

FCC Appendix RF Test Data

FCC ID : 2A48I-P20

Company: : Ningbo Jiufeng Electrical Appliance Co., Ltd.

EUT : Electrice Pedal Exerciser

Model Number : P20

Report No. : CTA25041401101

Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.933	2401.556	2402.489	---	---
		2441	0.951	2440.550	2441.501	---	---
		2480	0.936	2479.553	2480.489	---	---
2DH5	Ant1	2402	1.341	2401.337	2402.678	---	---
		2441	1.341	2440.337	2441.678	---	---
		2480	1.281	2479.379	2480.660	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

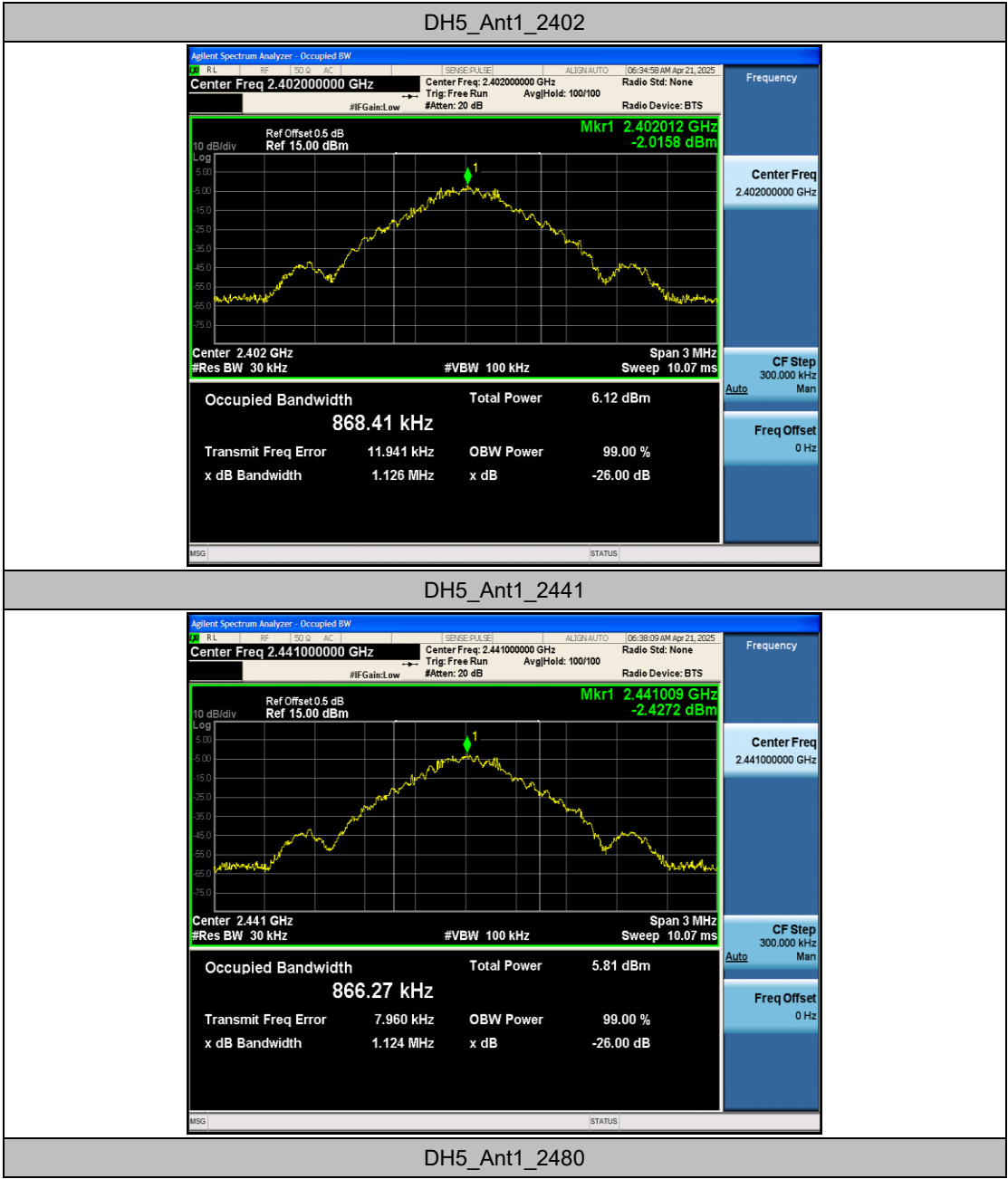


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86841	2401.5777	2402.4461	---	---
		2441	0.86627	2440.5748	2441.4411	---	---
		2480	0.87029	2479.5748	2480.4451	---	---
2DH5	Ant1	2402	1.1896	2401.4159	2402.6055	---	---
		2441	1.1880	2440.4158	2441.6038	---	---
		2480	1.1878	2479.4164	2480.6042	---	---

Test Graphs

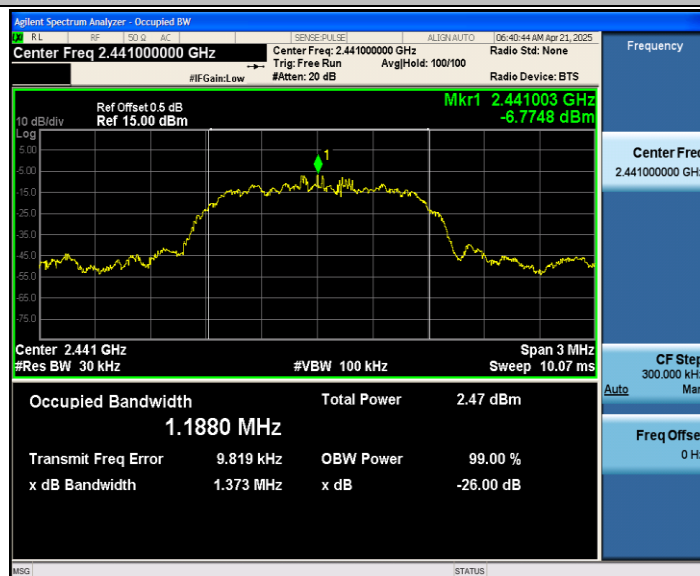




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

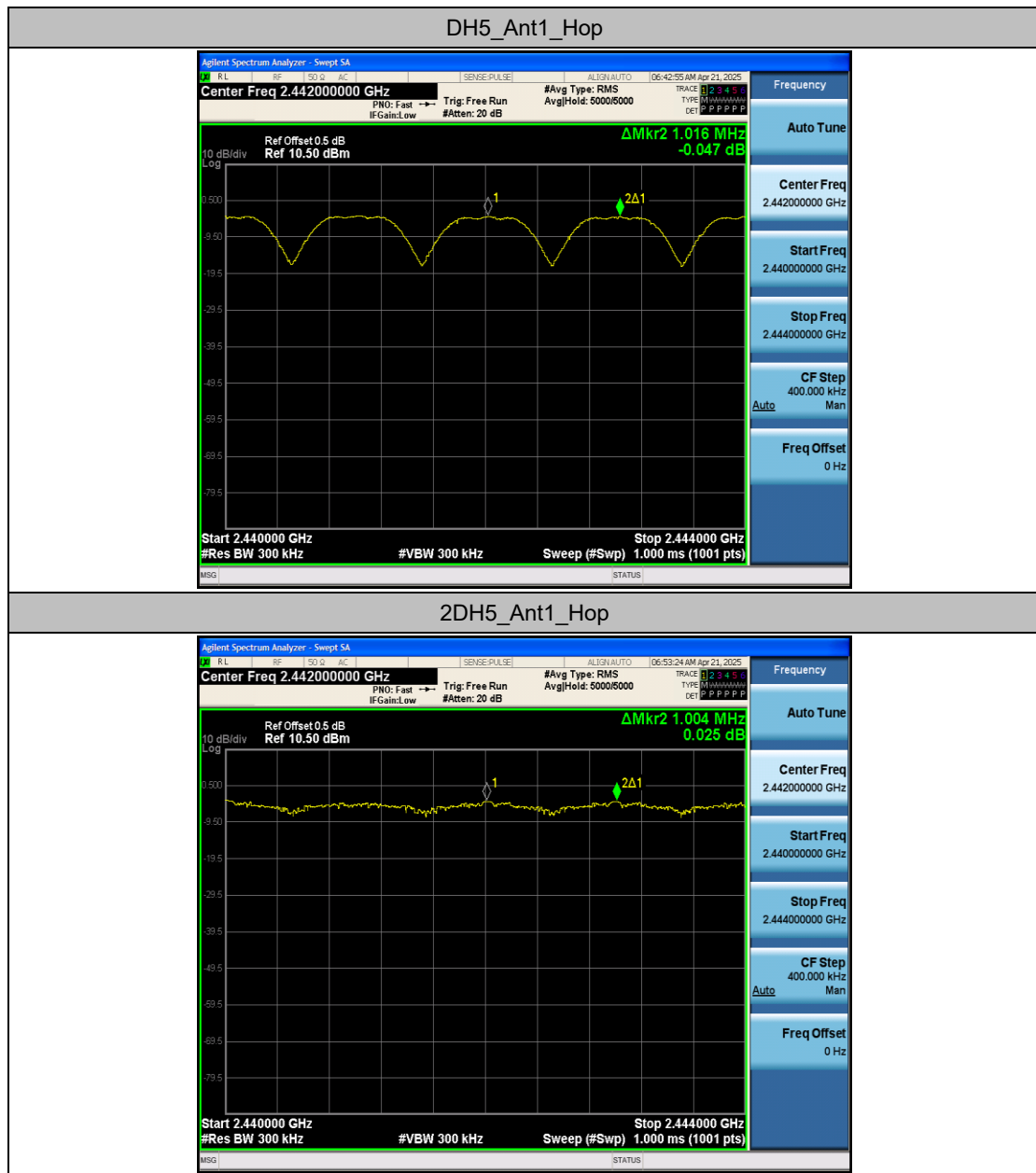
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.15	≤20.97	PASS
		2441	-0.12	≤20.97	PASS
		2480	-0.20	≤20.97	PASS
2DH5	Ant1	2402	-0.73	≤20.97	PASS
		2441	-0.92	≤20.97	PASS
		2480	-1.01	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.016	≥ 0.634	PASS
2DH5	Ant1	Hop	1.004	≥ 0.894	PASS

Test Graphs

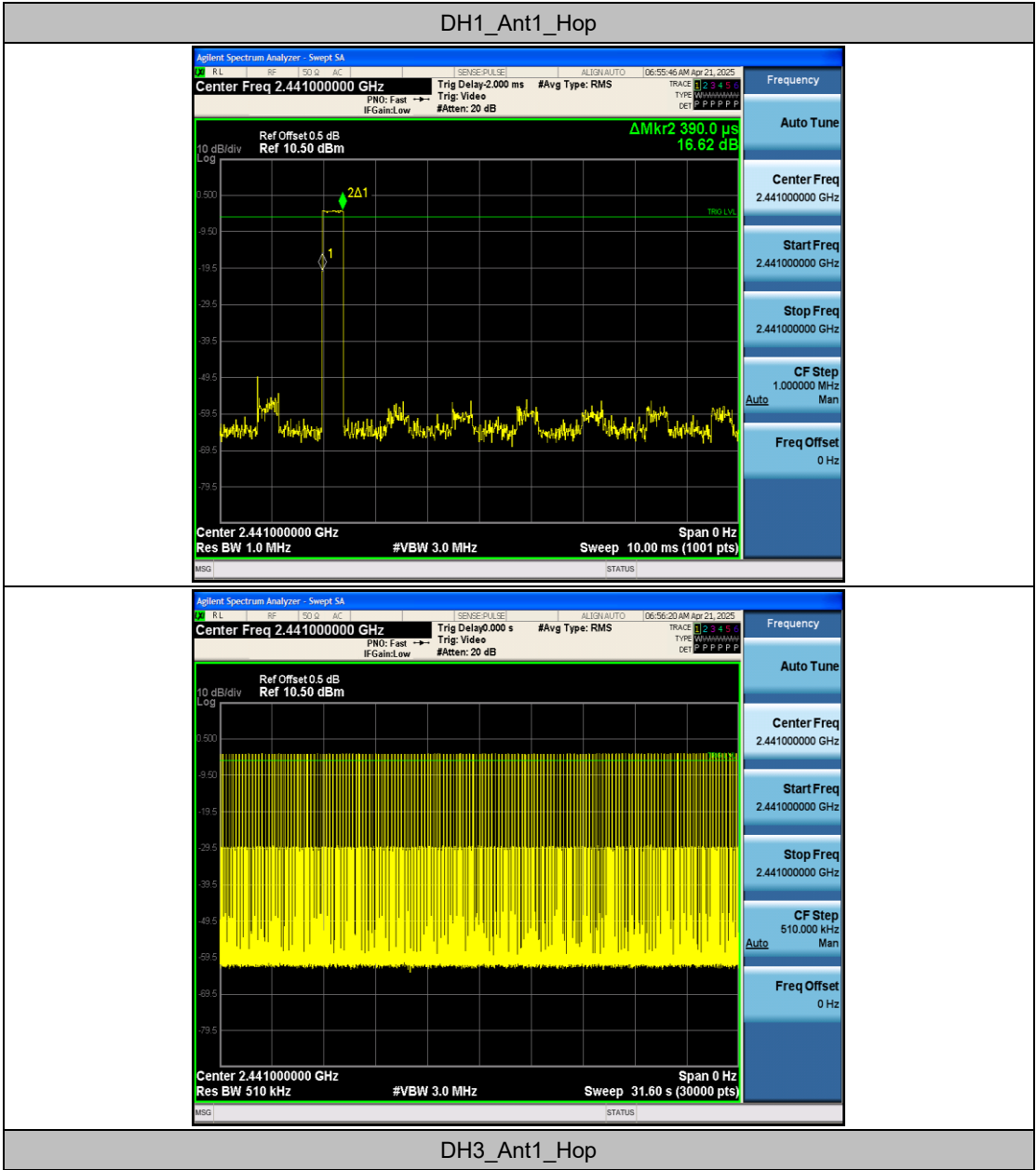


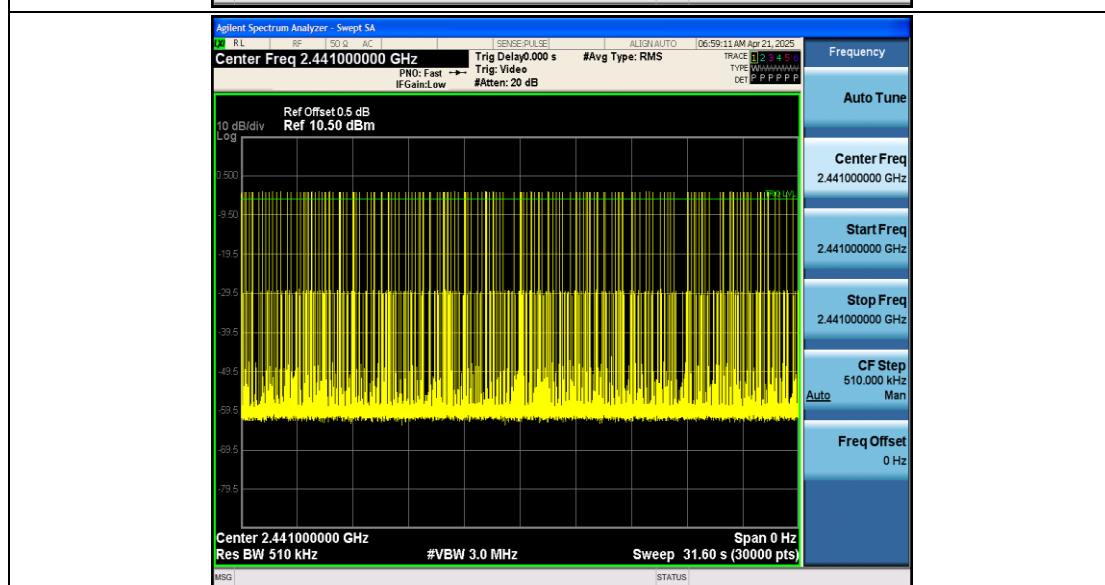
Appendix E: Time of occupancy

Test Result

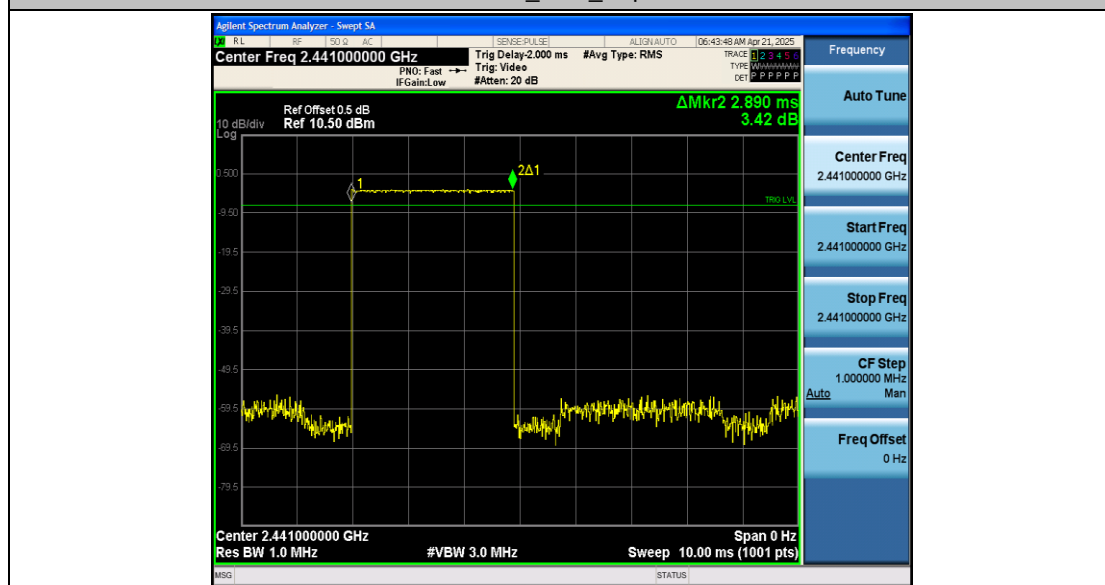
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	168	0.277	≤0.4	PASS
DH5	Ant1	Hop	2.890	105	0.303	≤0.4	PASS
2DH1	Ant1	Hop	0.380	316	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.640	151	0.248	≤0.4	PASS
2DH5	Ant1	Hop	2.900	104	0.302	≤0.4	PASS

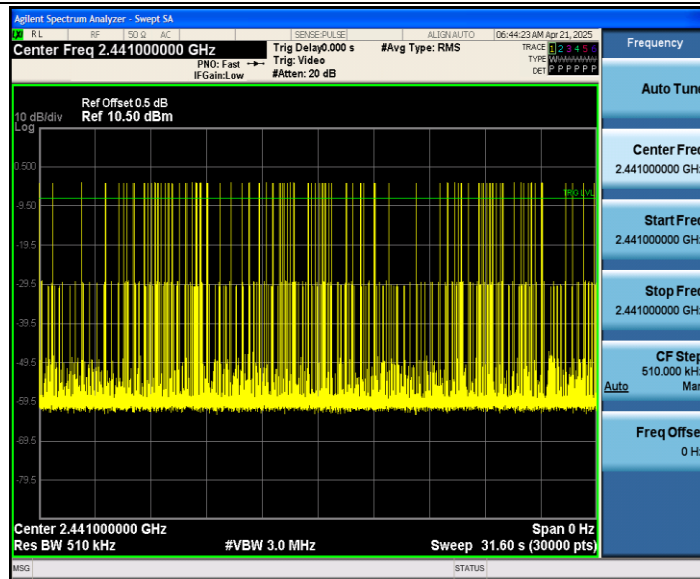
Test Graphs



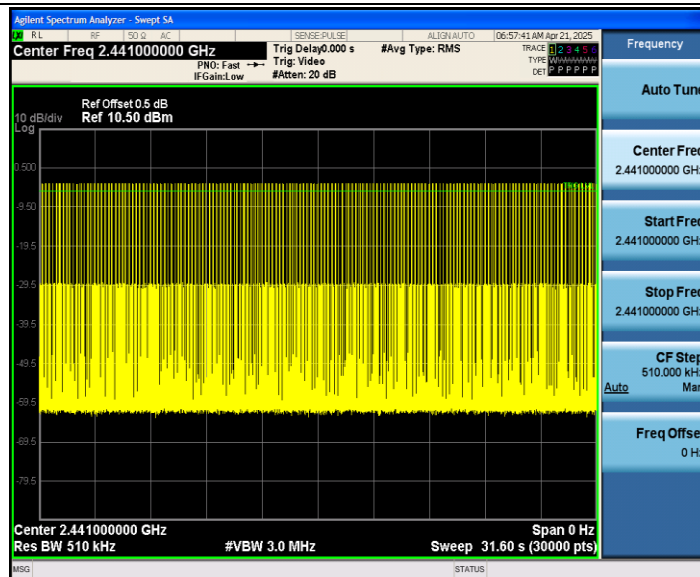
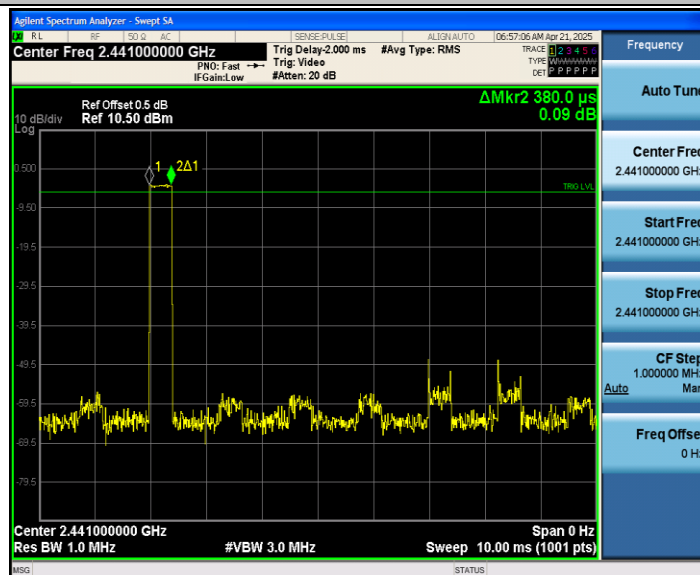


DH5_Ant1_Hop

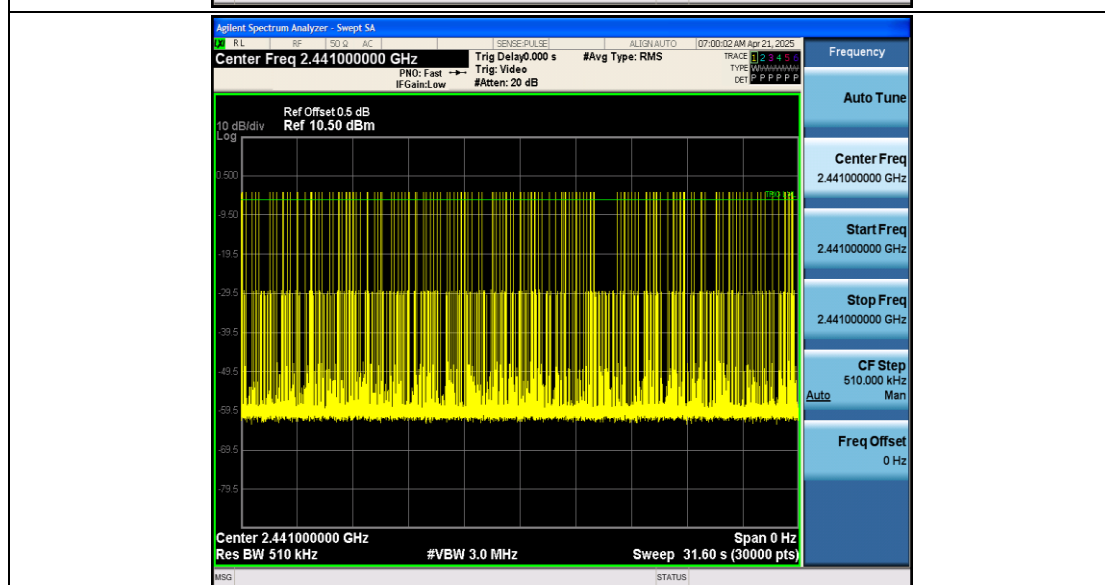




2DH1_Ant1_Hop

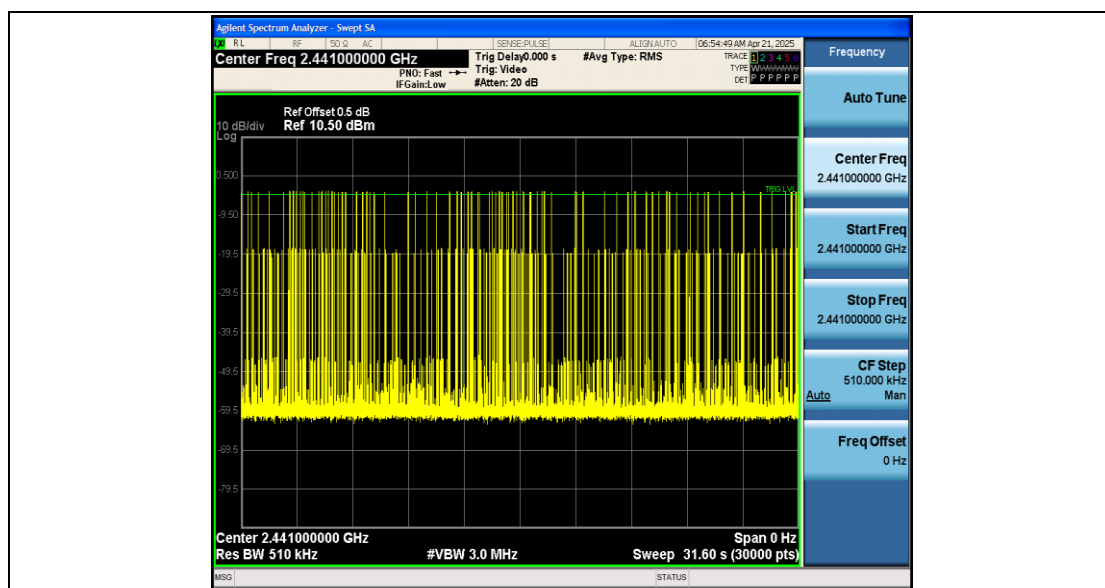


2DH3_Ant1_Hop



2DH5_Ant1_Hop





Appendix F: 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

Test Graphs



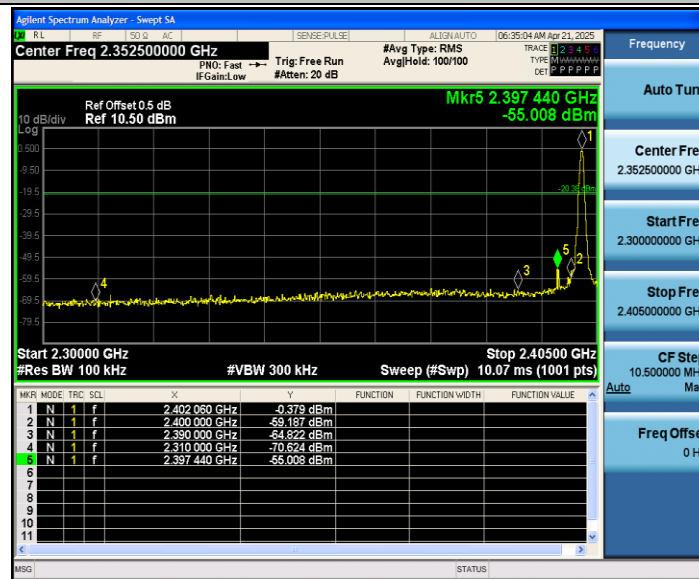
Appendix G: Band edge measurements

Test Result

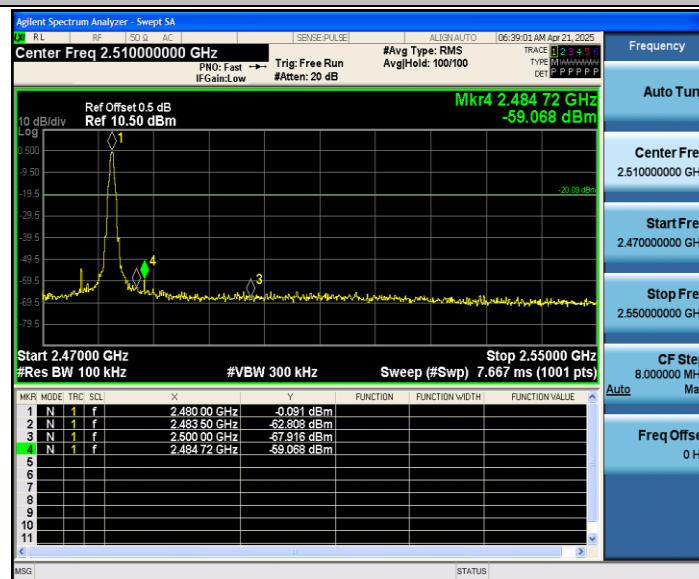
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.38	-55.01	≤-20.38	PASS
		High	2480	-0.09	-59.07	≤-20.09	PASS
		Low	Hop_2402	-4.57	-63.2	≤-24.57	PASS
		High	Hop_2480	-4.03	-62.85	≤-24.03	PASS
2DH5	Ant1	Low	2402	-5.25	-61.52	≤-25.25	PASS
		High	2480	-4.56	-58.16	≤-24.56	PASS
		Low	Hop_2402	-6.59	-61.39	≤-26.59	PASS
		High	Hop_2480	-4.31	-56.14	≤-24.31	PASS

Test Graphs

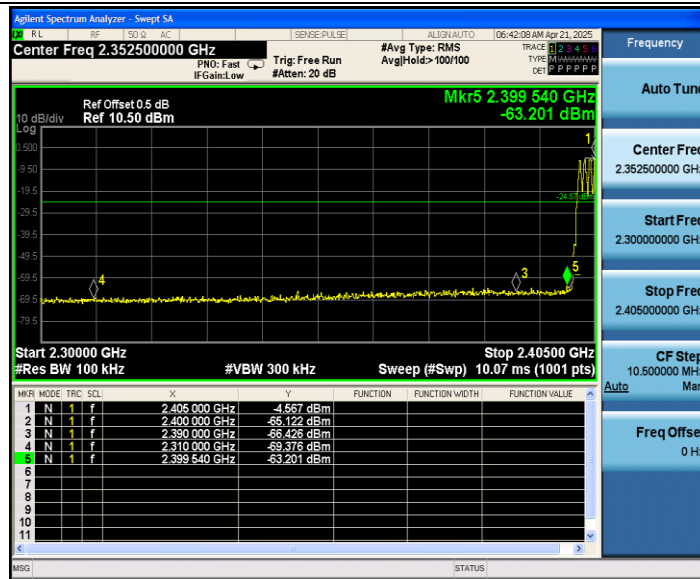
DH5_Ant1_Low_2402



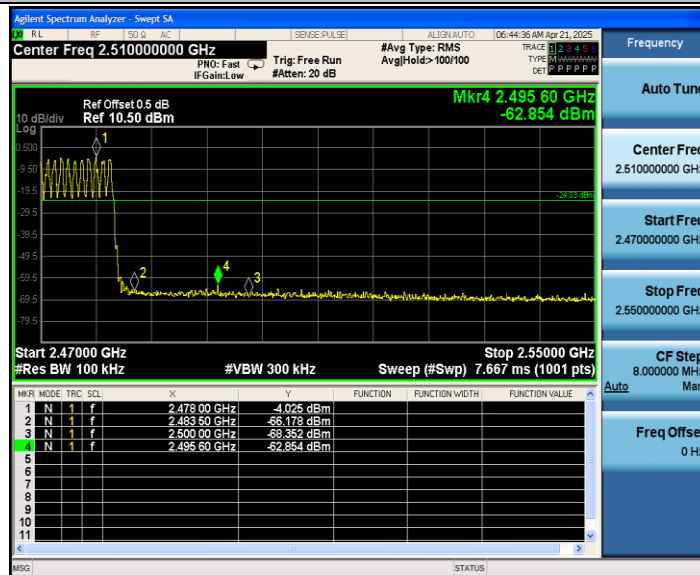
DH5_Ant1_High_2480



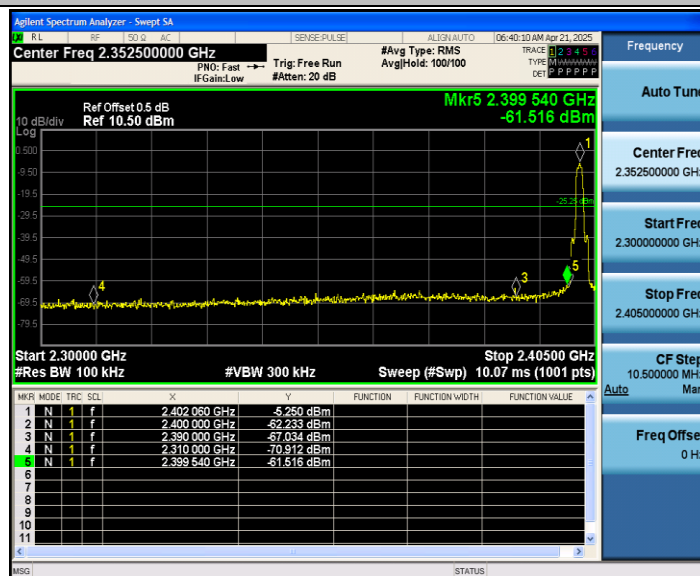
DH5_Ant1_Low_Hop_2402



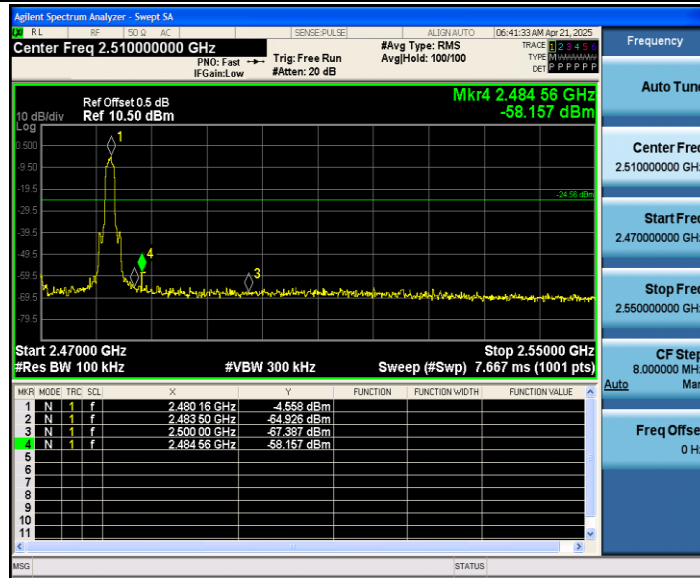
DH5_Ant1_High_Hop_2480



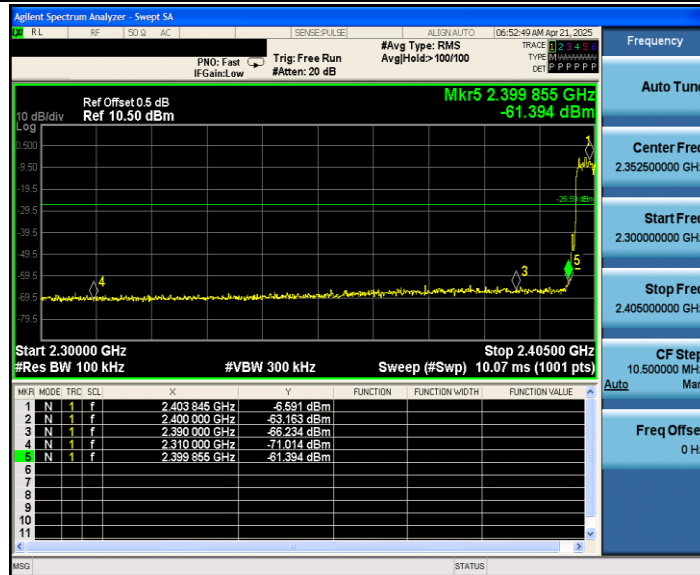
2DH5_Ant1_Low_2402



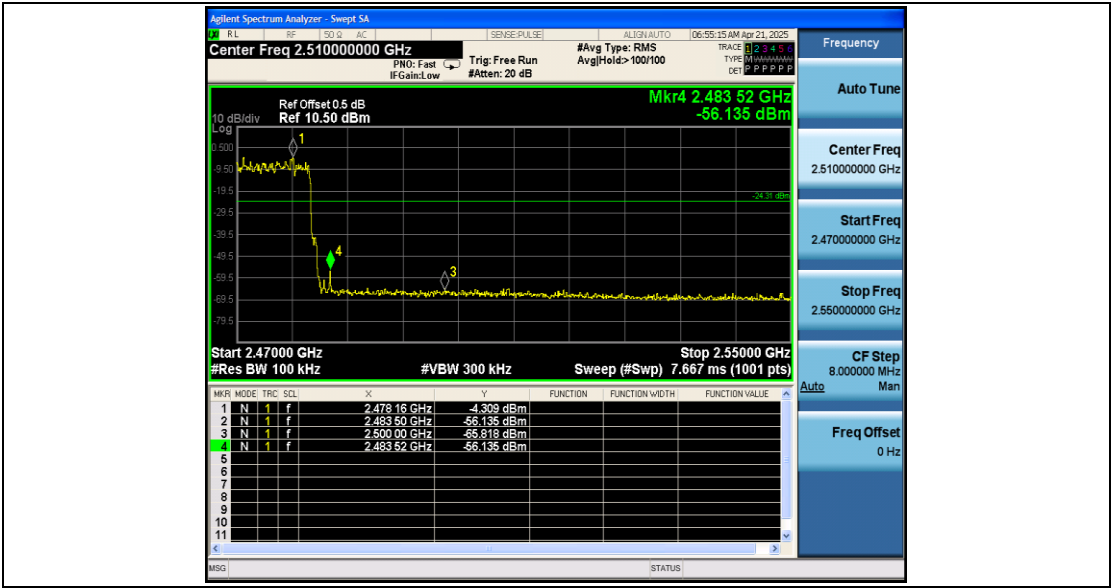
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

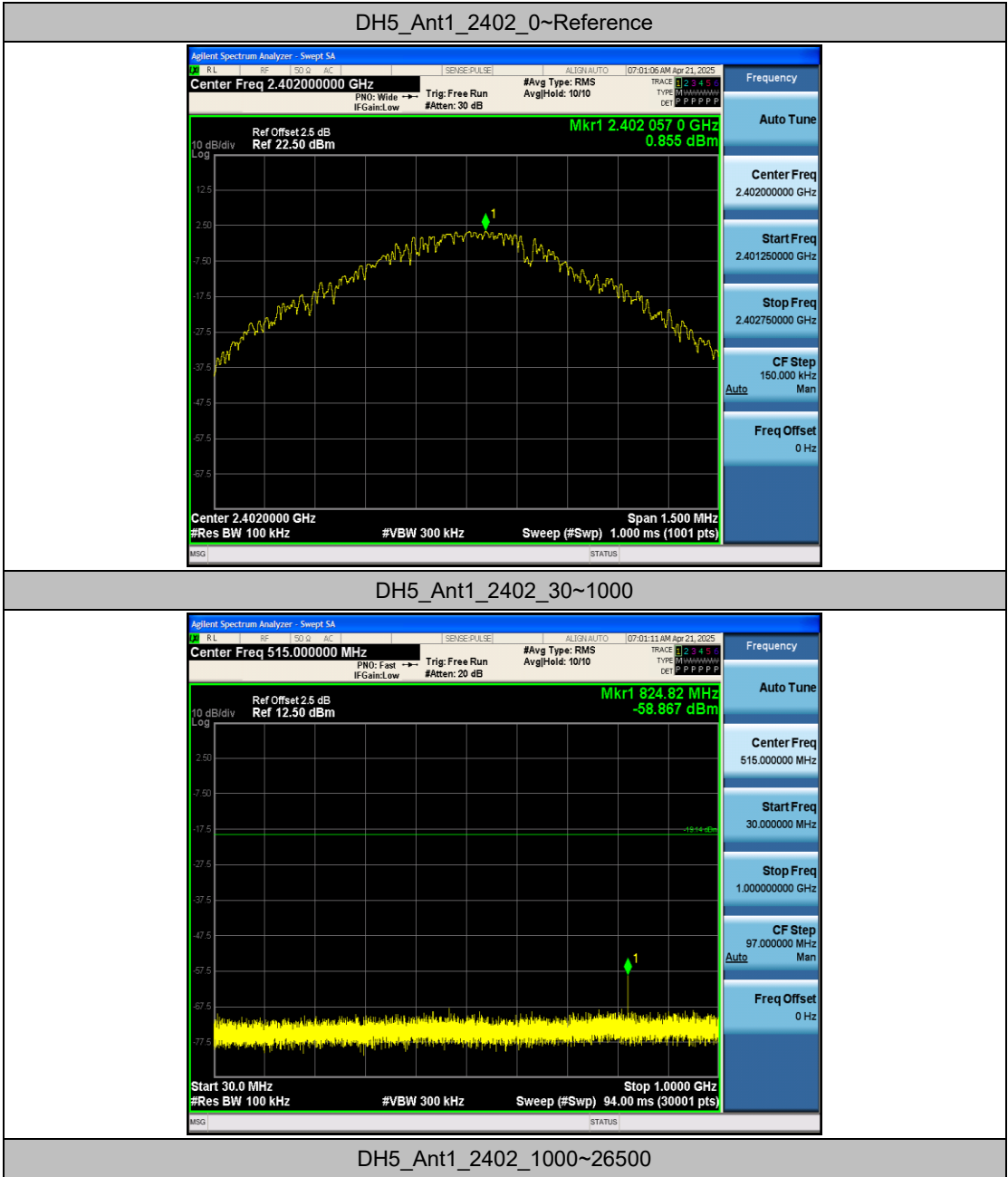


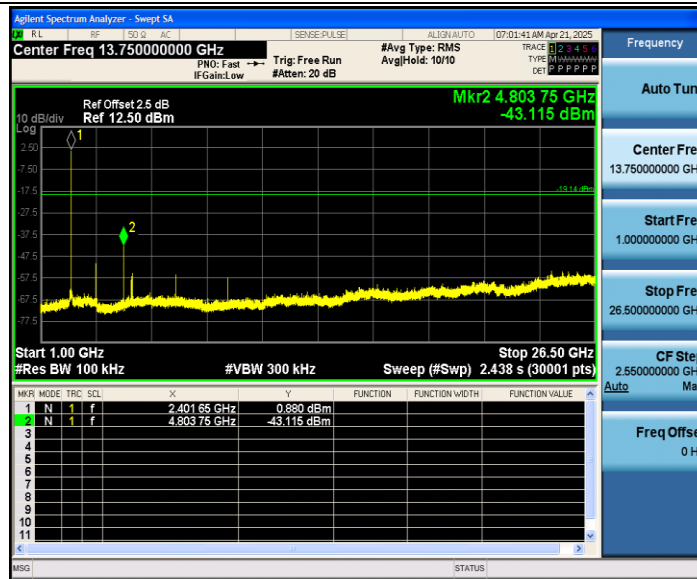
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-58.87	≤-19.14	PASS
			1000~26500	0.86	-43.12	≤-19.14	PASS
		2441	Reference	1.20	1.20	---	PASS
			30~1000	1.20	-42.01	≤-18.8	PASS
			1000~26500	1.20	-42.74	≤-18.8	PASS
		2480	Reference	0.90	0.90	---	PASS
			30~1000	0.90	-67.61	≤-19.1	PASS
			1000~26500	0.90	-42.48	≤-19.1	PASS
2DH5	Ant1	2402	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-67.83	≤-21.99	PASS
			1000~26500	-1.99	-51.31	≤-21.99	PASS
		2441	Reference	-5.18	-5.18	---	PASS
			30~1000	-5.18	-67.93	≤-25.18	PASS
			1000~26500	-5.18	-48.97	≤-25.18	PASS
		2480	Reference	-3.14	-3.14	---	PASS
			30~1000	-3.14	-67.49	≤-23.14	PASS
			1000~26500	-3.14	-49.67	≤-23.14	PASS

Test Graphs

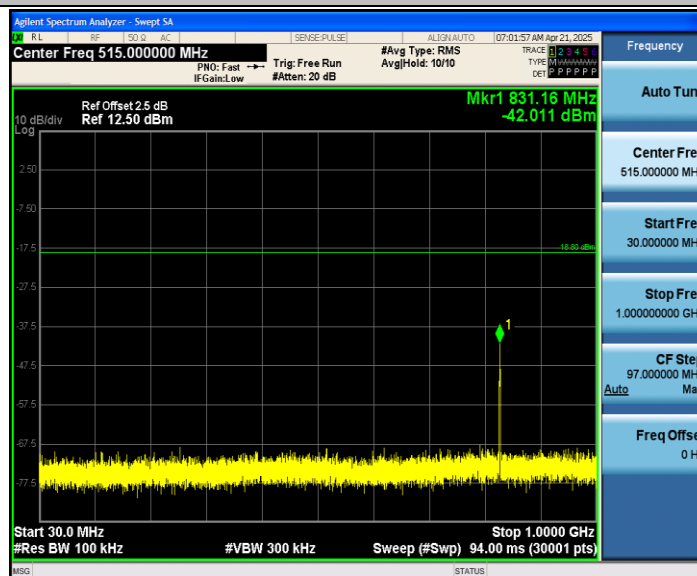




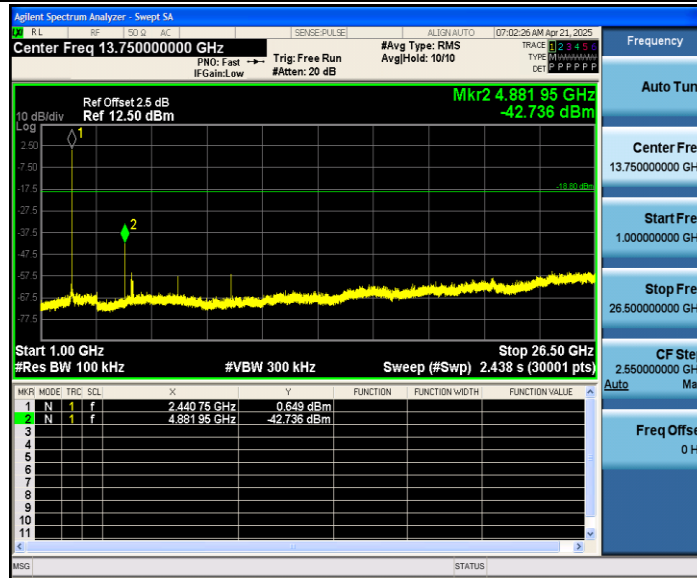
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



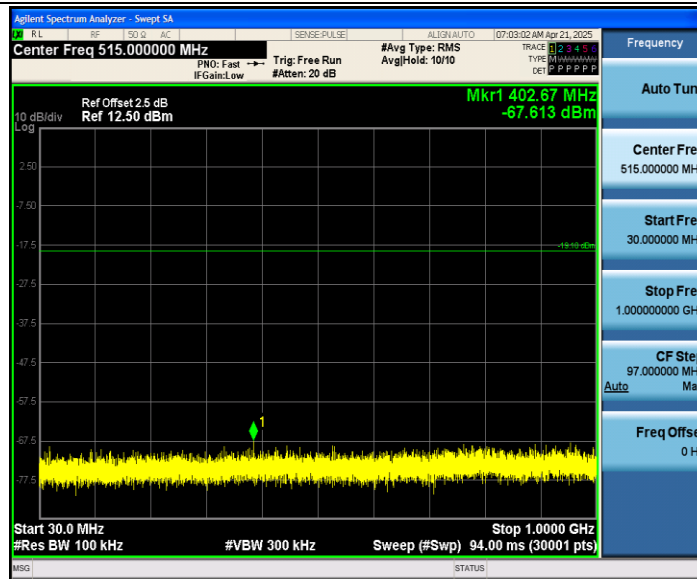
DH5_Ant1_2441_1000~26500



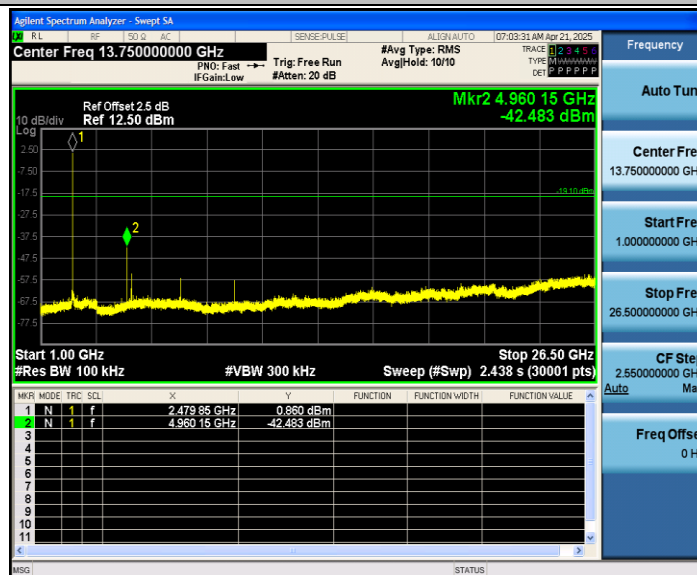
DH5_Ant1_2480_0~Reference



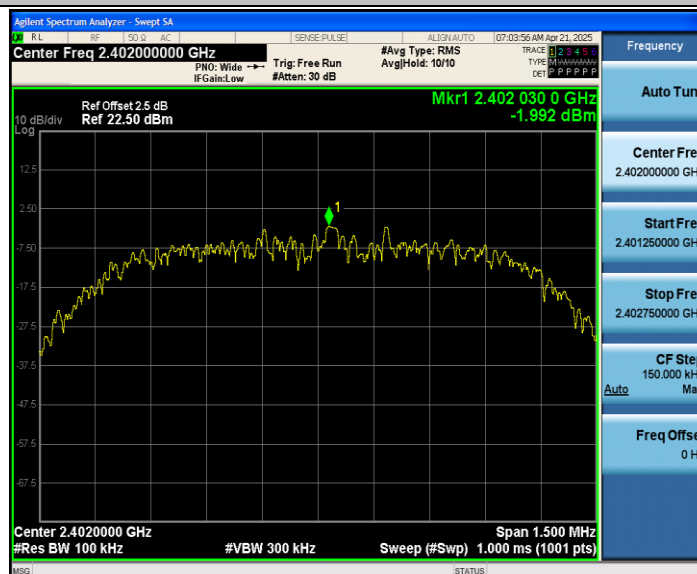
DH5_Ant1_2480_30~1000



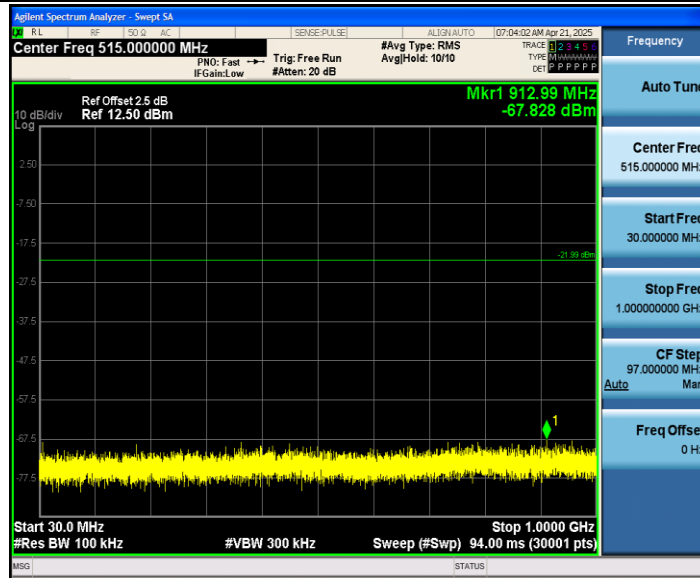
DH5_Ant1_2480_1000~26500



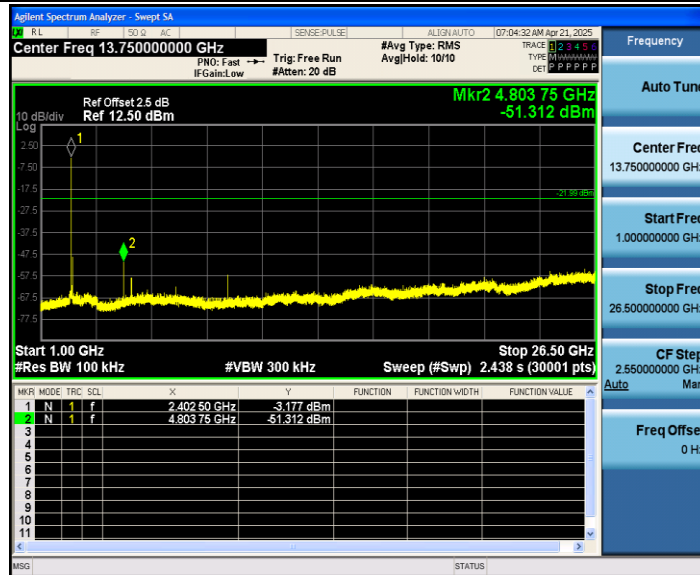
2DH5_Ant1_2402_0~Reference



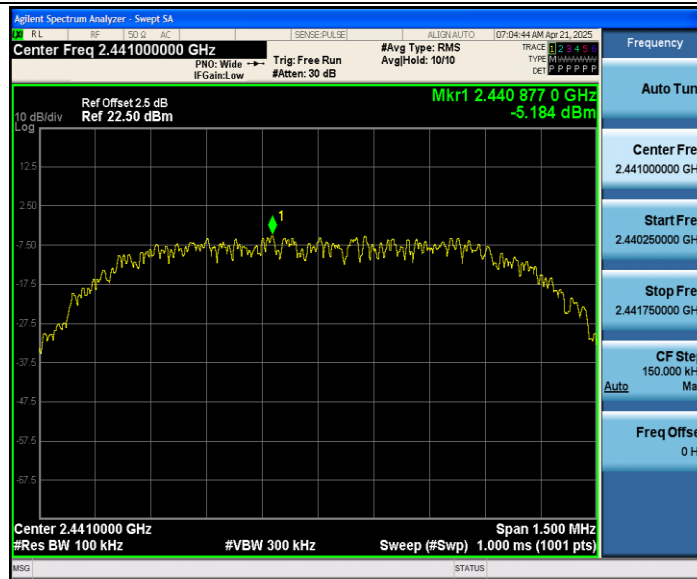
2DH5_Ant1_2402_30~1000



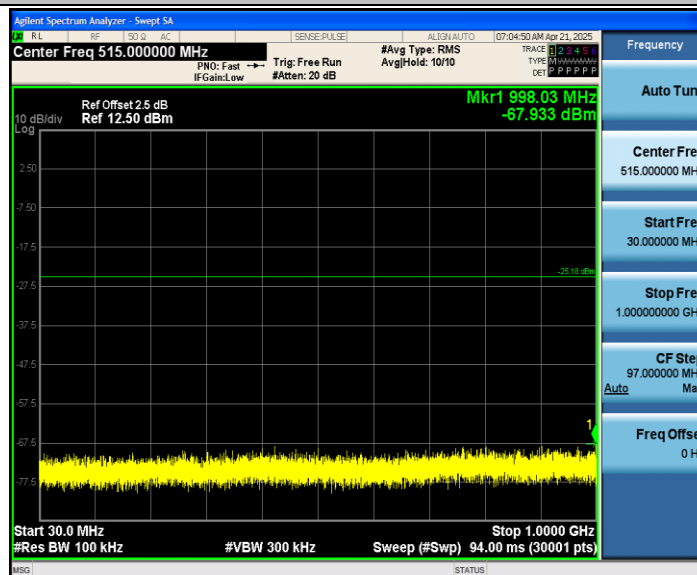
2DH5_Ant1_2402_1000~26500



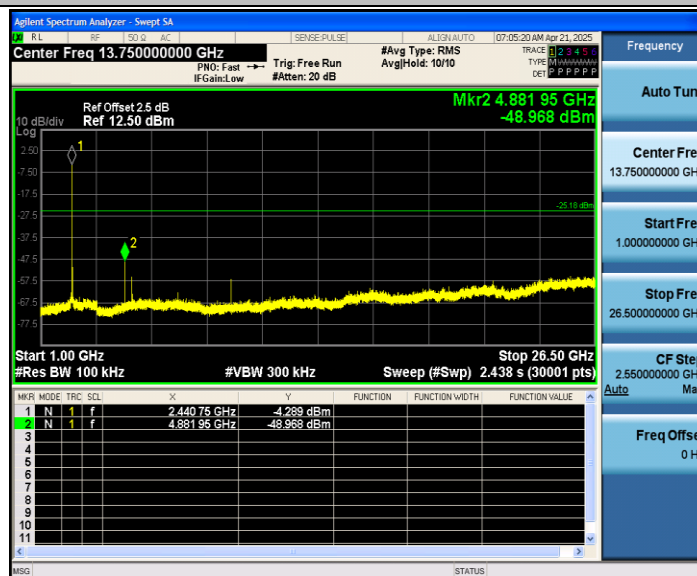
2DH5_Ant1_2441_0~Reference



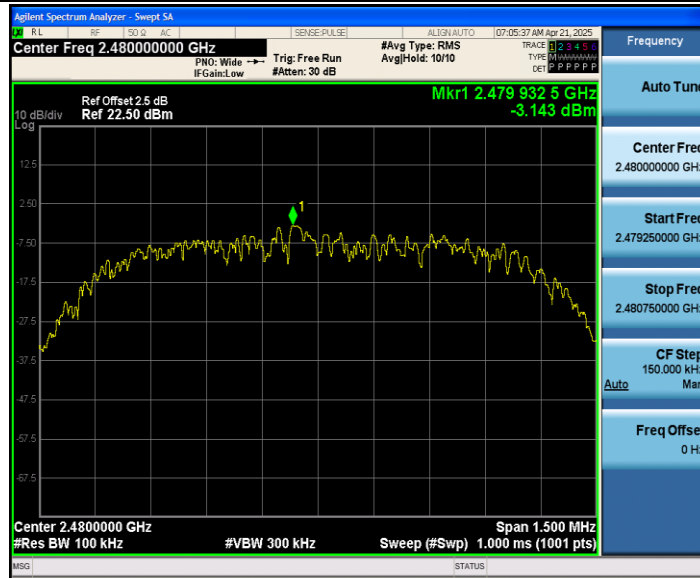
2DH5_Ant1_2441_30~1000



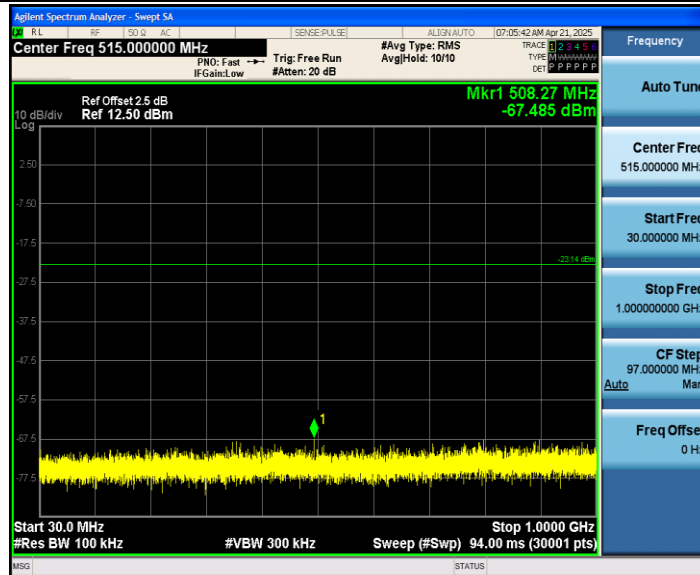
2DH5_Ant1_2441_1000~26500



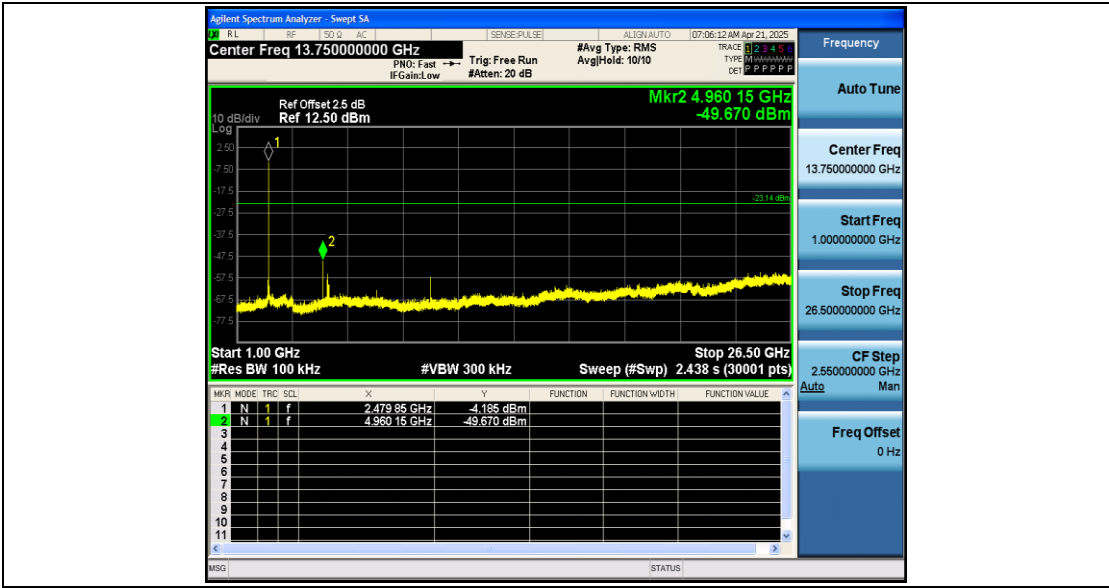
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

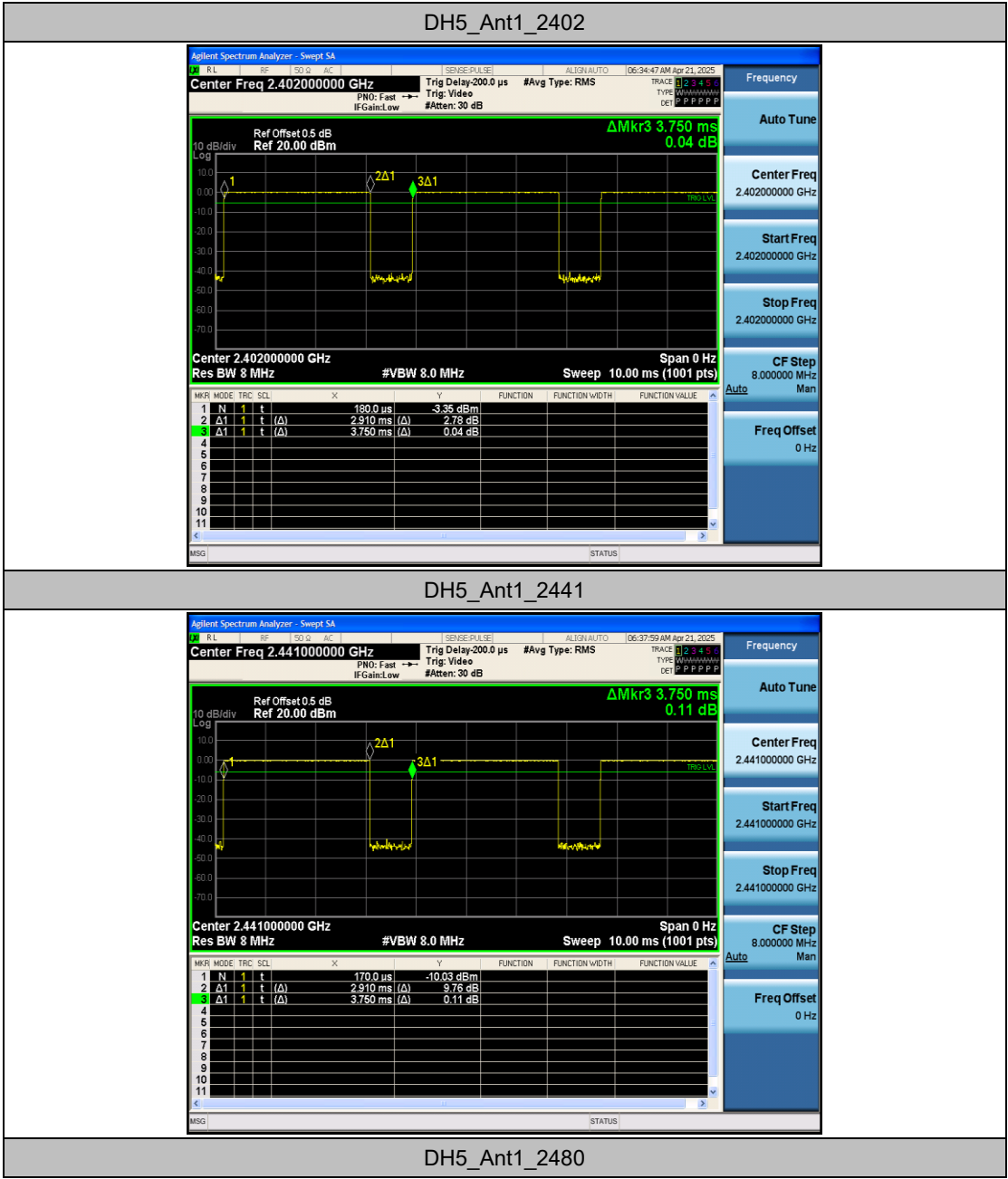


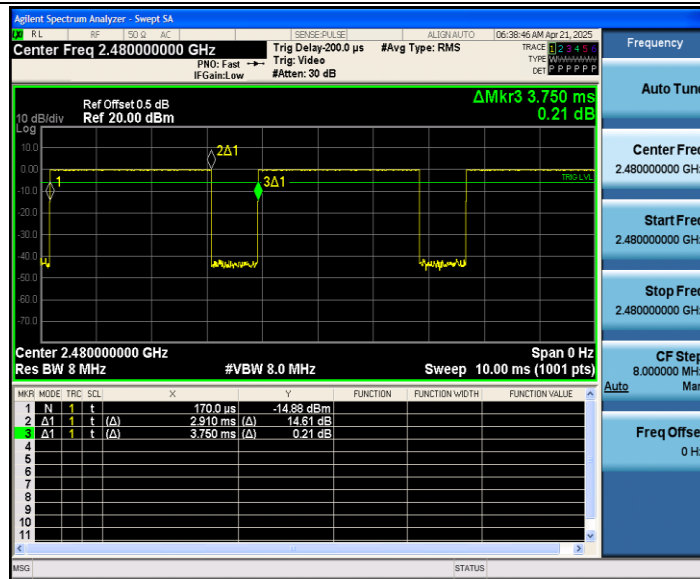
Appendix I: Duty Cycle

Test Result

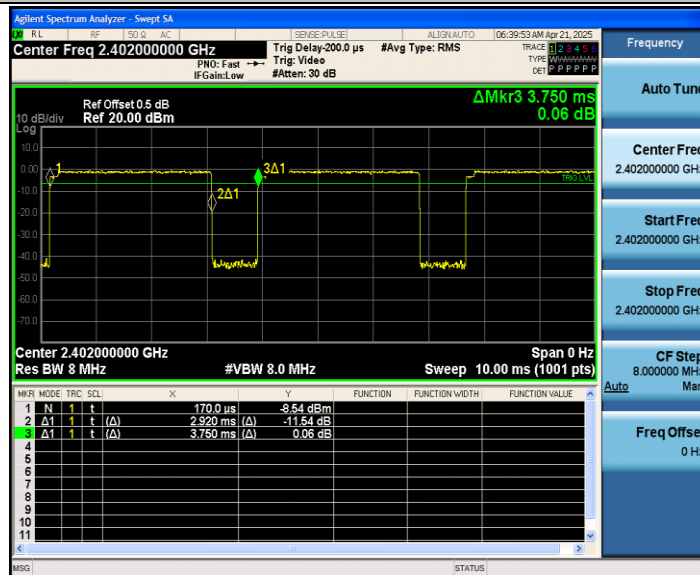
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.91	3.75	77.60	1.10	---	---

Test Graphs

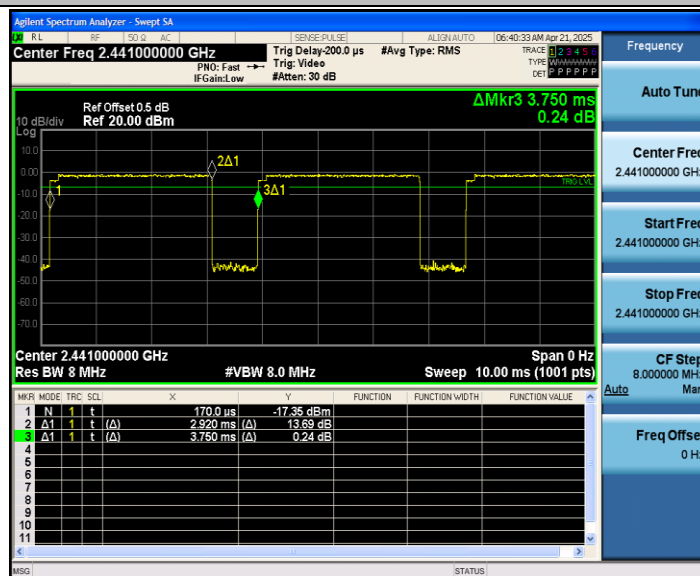




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

