

FCC Appendix RF Test Data

FCC ID : 2BOVV-YX-8201J

Company: : Jinhua Lantu Supply Chain Link Co., Ltd.

EUT : Drift car

Model Number : YX-8201J

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	0.939	2401.556	2402.495	---	---
		2441	0.954	2440.550	2441.504	---	---
		2480	0.948	2479.550	2480.498	---	---
2DH5	Ant1	2402	1.284	2401.379	2402.663	---	---
		2441	1.317	2440.355	2441.672	---	---
		2480	1.326	2479.346	2480.672	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



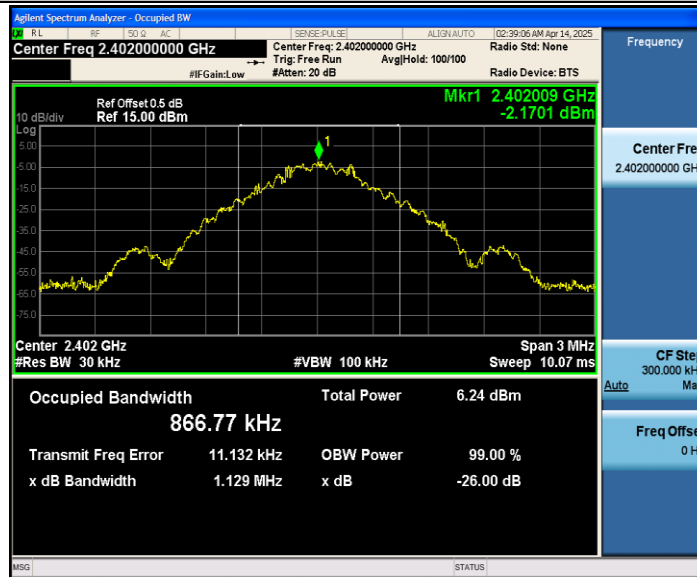
Appendix B: Occupied Channel Bandwidth

Test Result

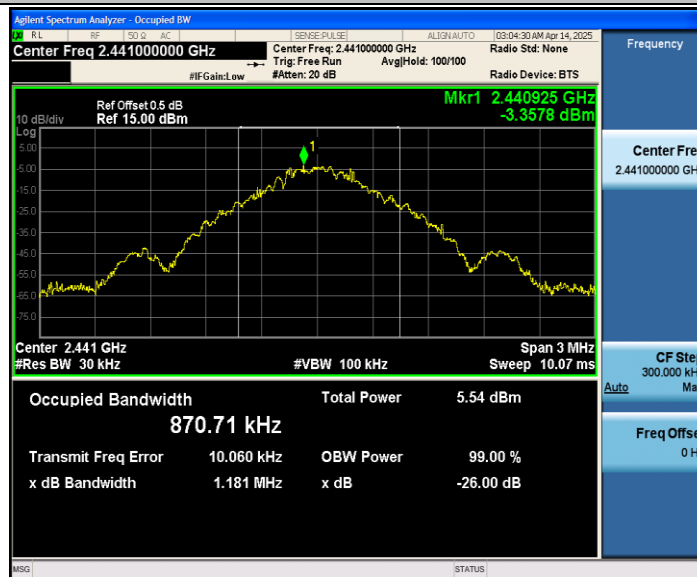
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86677	2401.5777	2402.4445	---	---
		2441	0.87071	2440.5747	2441.4454	---	---
		2480	0.87422	2479.5733	2480.4475	---	---
2DH5	Ant1	2402	1.1838	2401.4199	2402.6037	---	---
		2441	1.1893	2440.4171	2441.6064	---	---
		2480	1.1890	2479.4168	2480.6058	---	---

Test Graphs

DH5_Ant1_2402



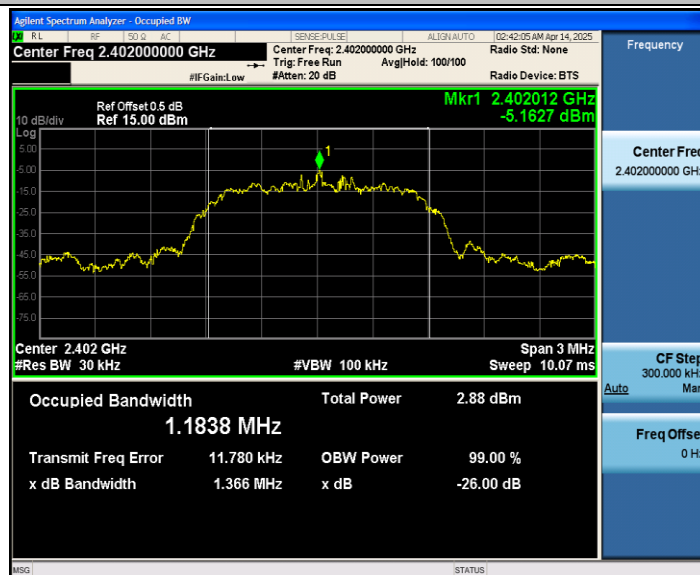
DH5_Ant1_2441



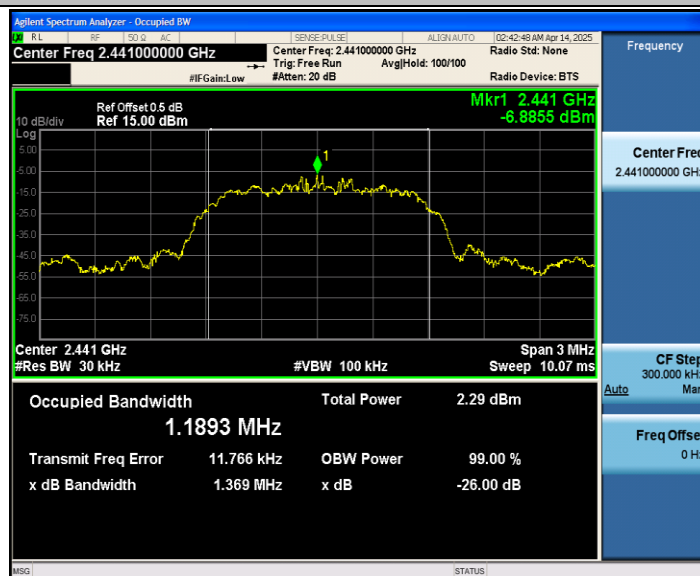
DH5_Ant1_2480



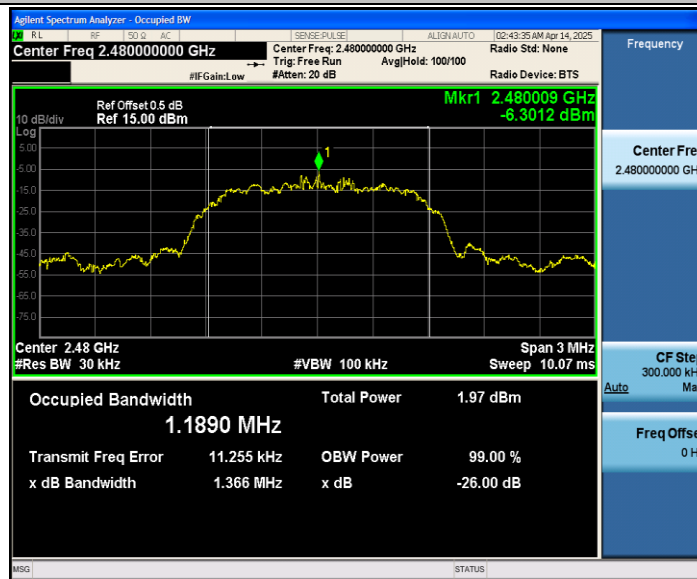
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

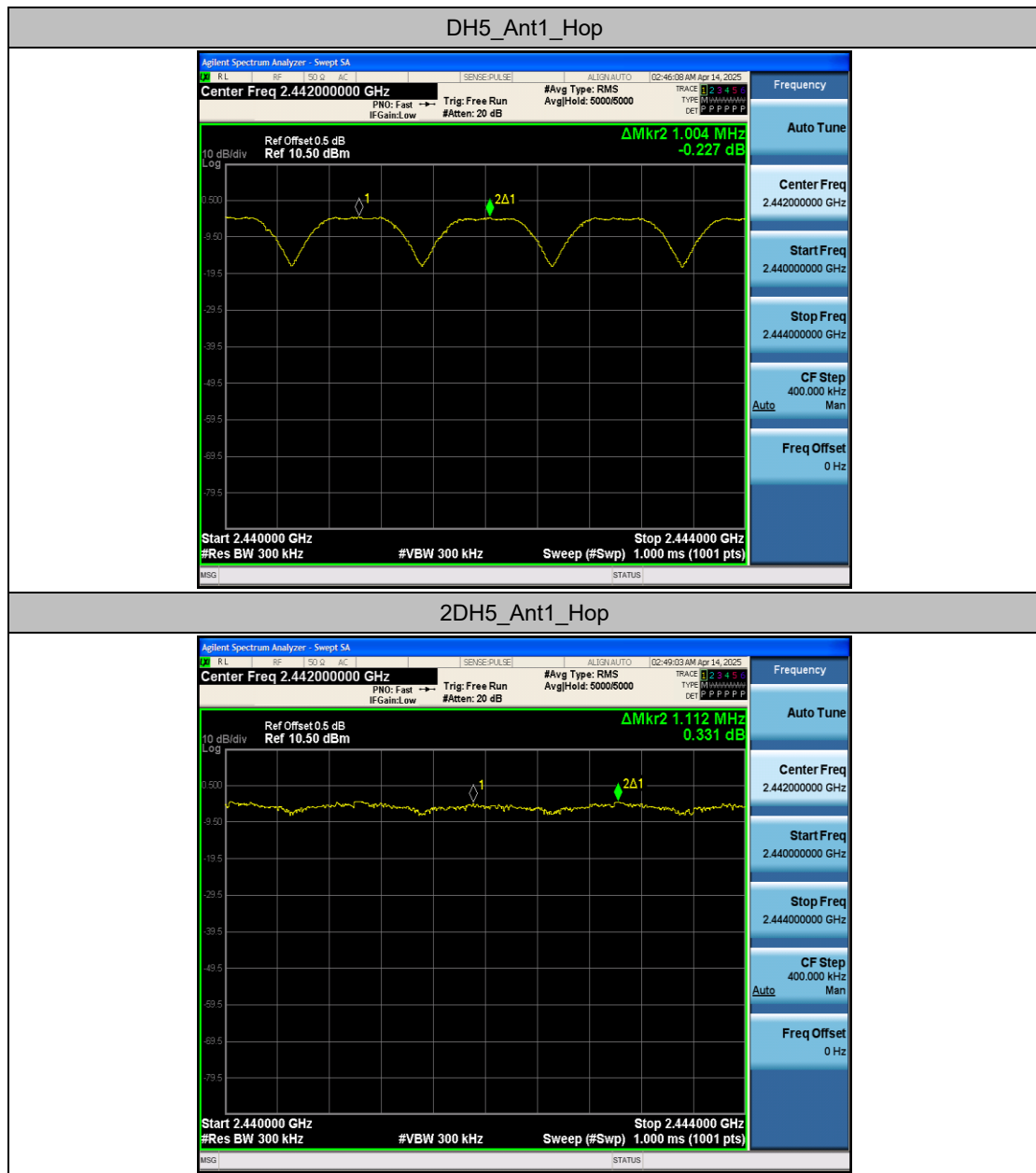
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.15	≤20.97	PASS
		2441	-0.34	≤20.97	PASS
		2480	-0.63	≤20.97	PASS
2DH5	Ant1	2402	-0.64	≤20.97	PASS
		2441	-1.12	≤20.97	PASS
		2480	-1.39	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.954	PASS
2DH5	Ant1	Hop	1.112	≥ 0.884	PASS

Test Graphs

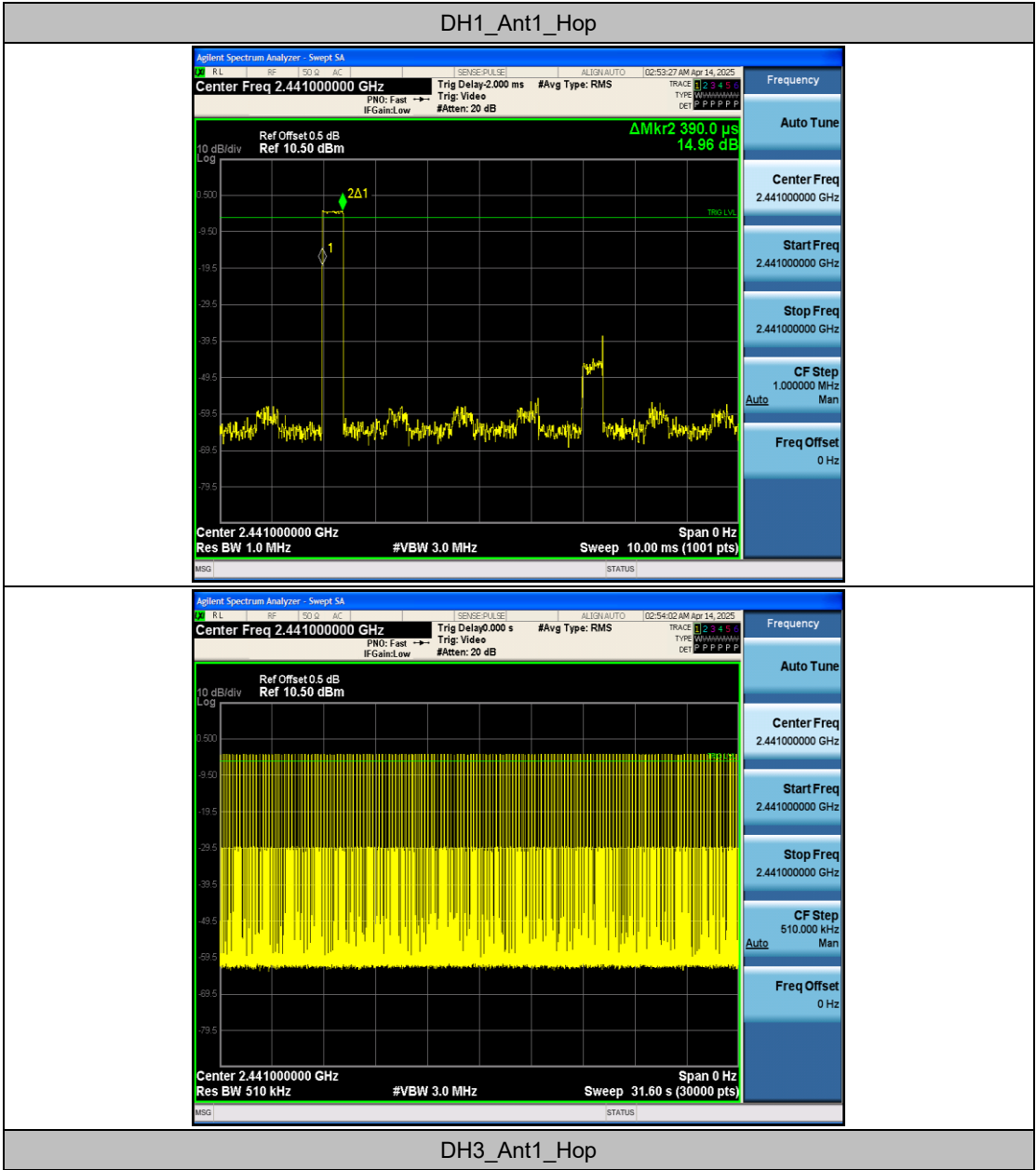


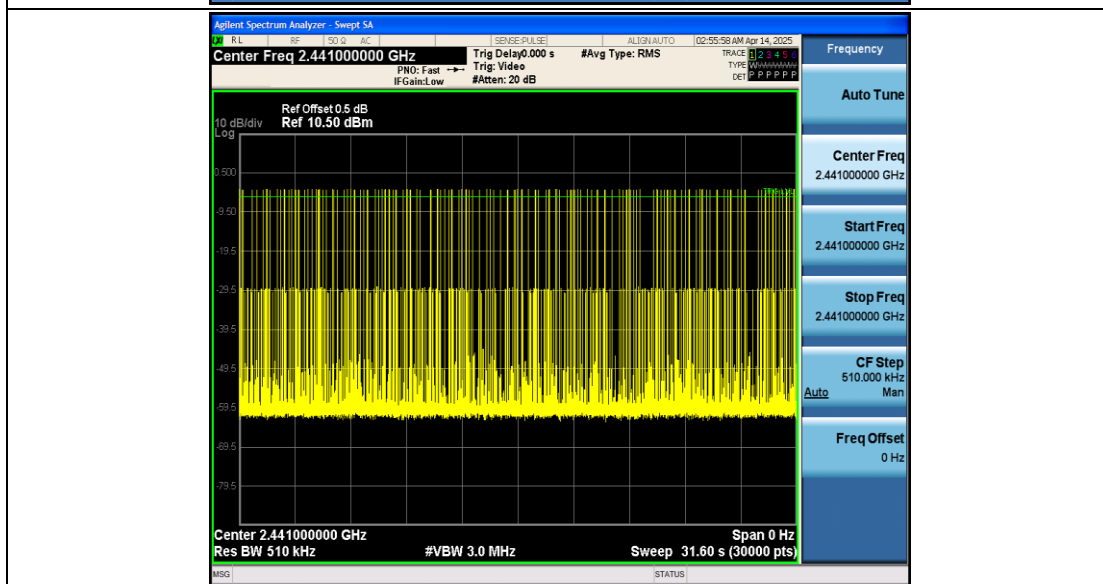
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.890	110	0.318	≤0.4	PASS
2DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.640	152	0.249	≤0.4	PASS
2DH5	Ant1	Hop	2.890	90	0.26	≤0.4	PASS

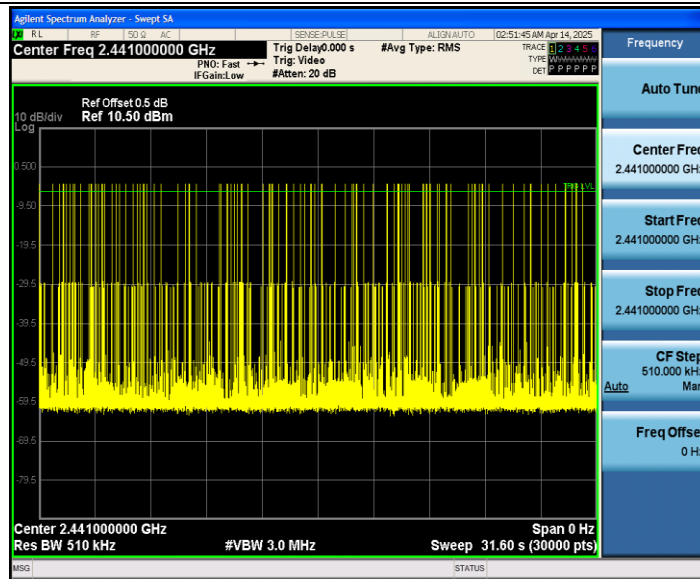
Test Graphs



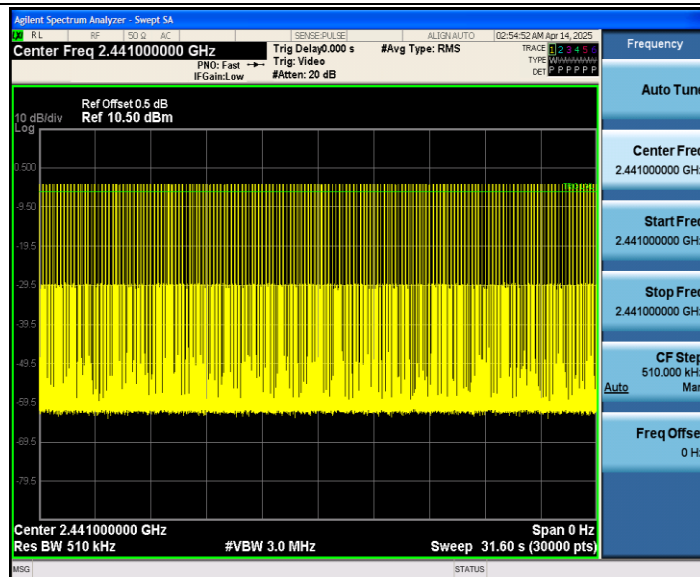
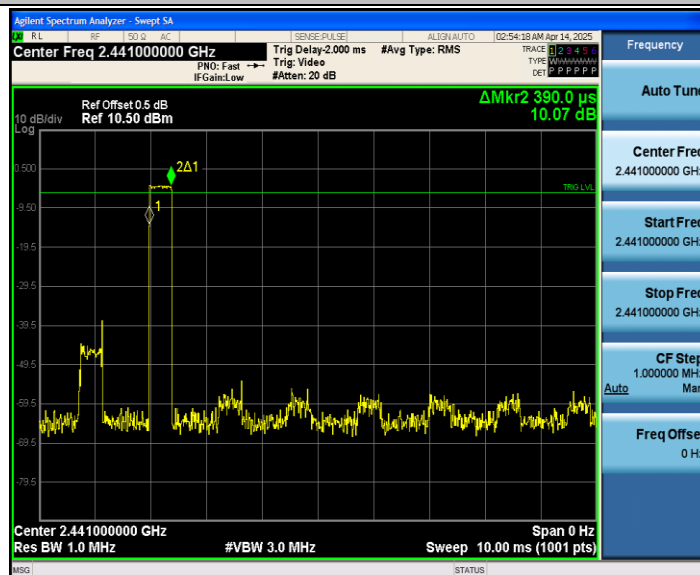


DH5_Ant1_Hop

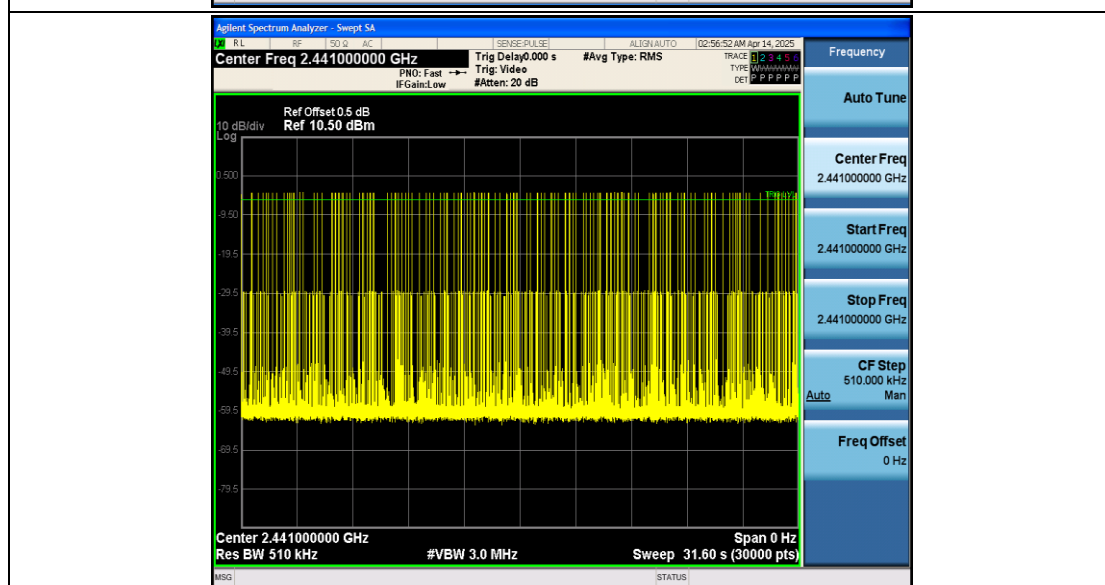




2DH1_Ant1_Hop

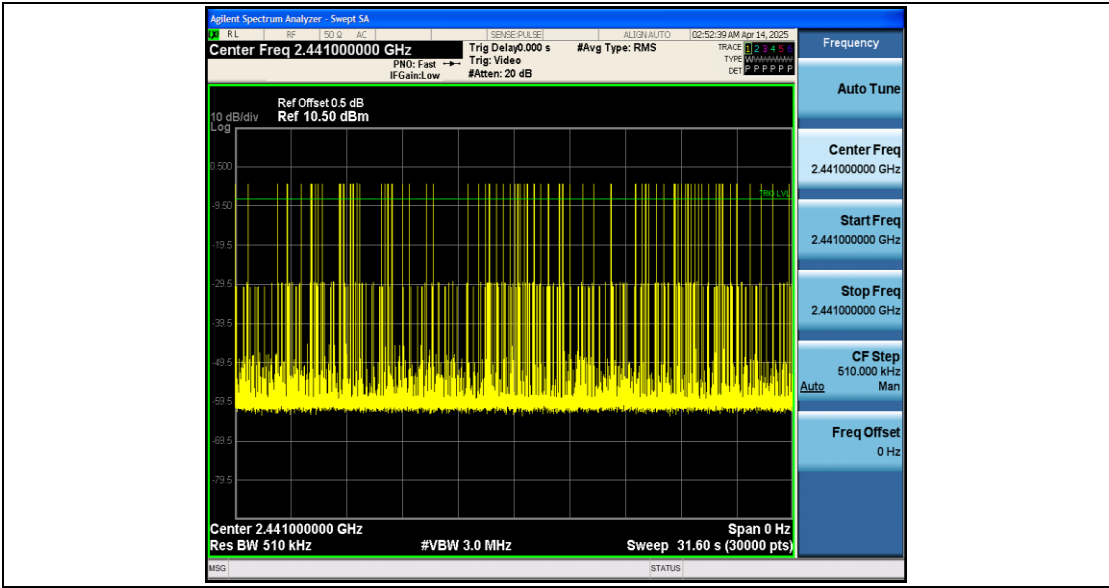


2DH3_Ant1_Hop



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

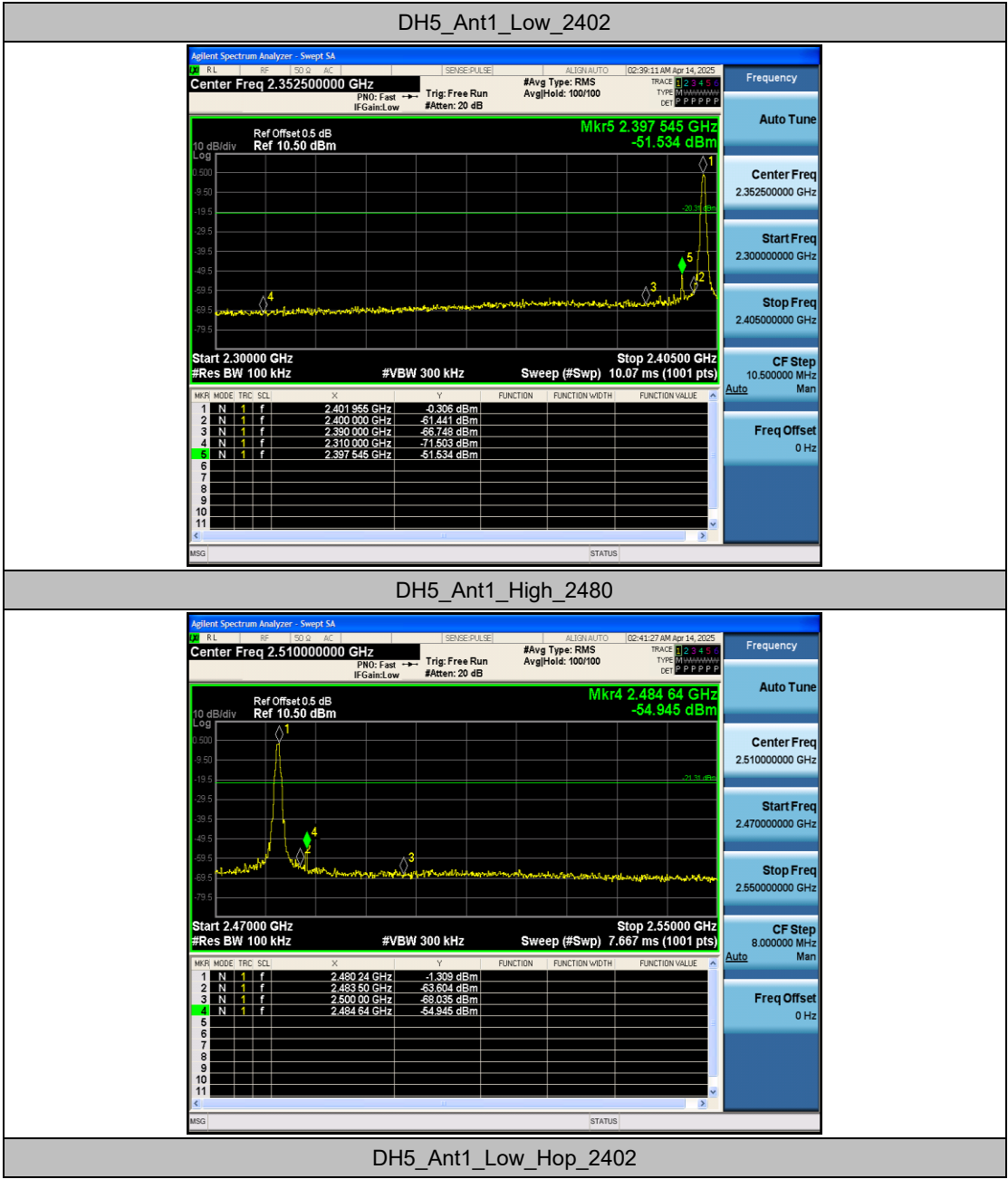


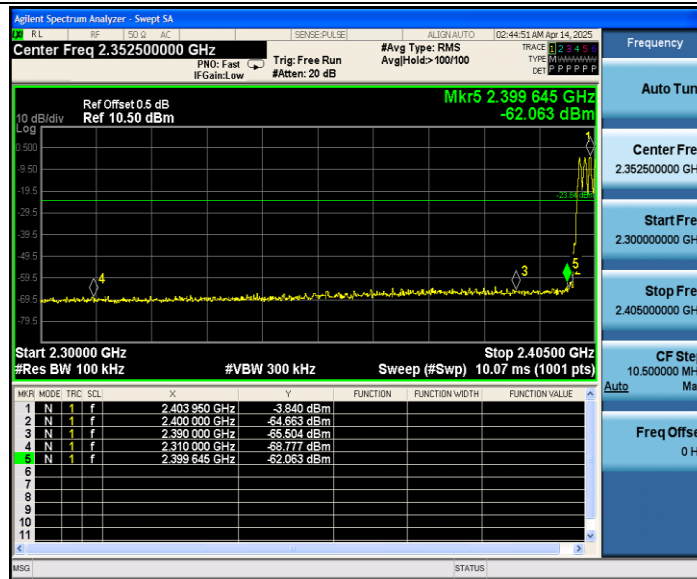
Appendix G: Band edge measurements

Test Result

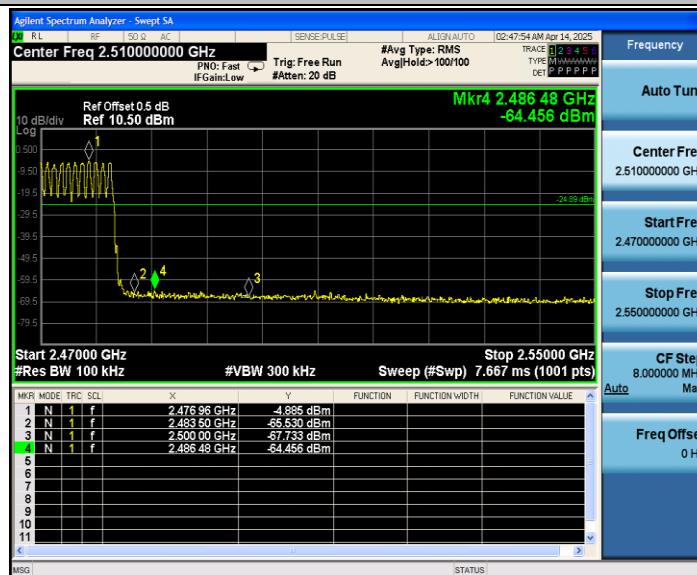
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.31	-51.53	≤-20.31	PASS
		High	2480	-1.31	-54.95	≤-21.31	PASS
		Low	Hop_2402	-3.84	-62.06	≤-23.84	PASS
		High	Hop_2480	-4.89	-64.46	≤-24.89	PASS
2DH5	Ant1	Low	2402	-3.26	-54.38	≤-23.26	PASS
		High	2480	-5.16	-64.22	≤-25.16	PASS
		Low	Hop_2402	-3.75	-63	≤-23.75	PASS
		High	Hop_2480	-4.77	-64.75	≤-24.77	PASS

Test Graphs

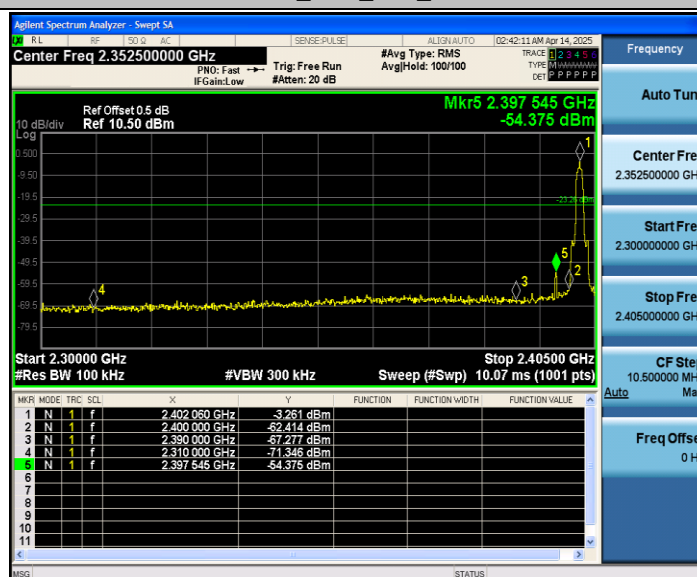




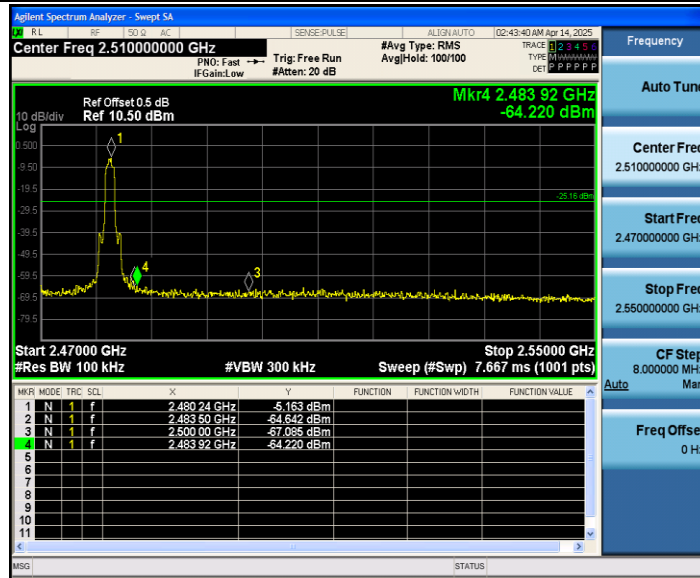
DH5_Ant1_High_Hop_2480



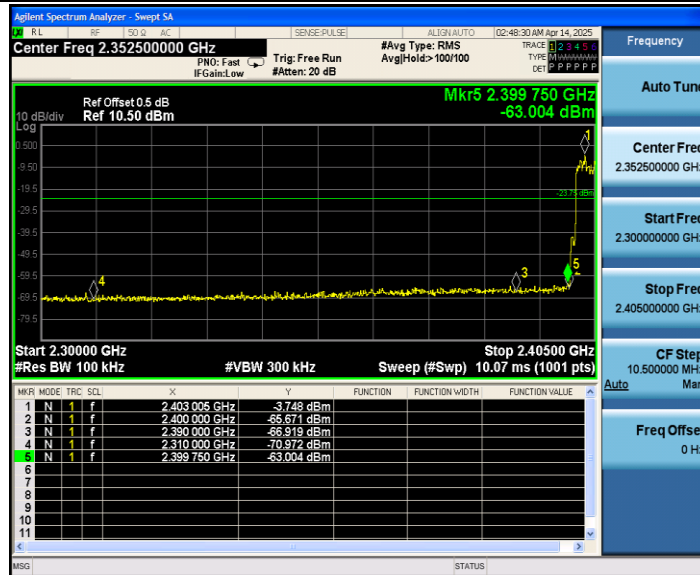
2DH5_Ant1_Low_2402



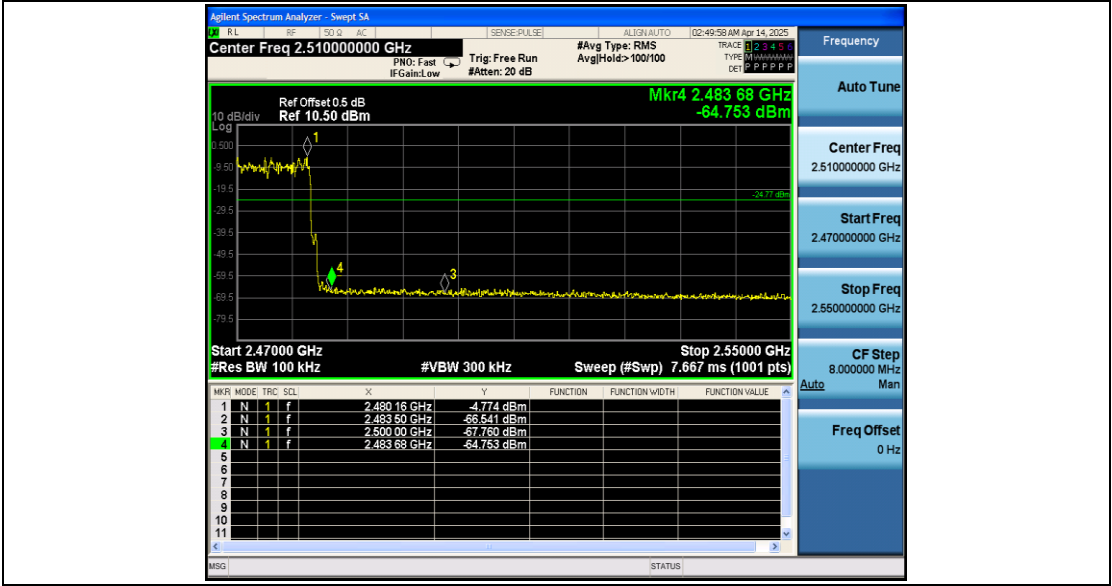
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

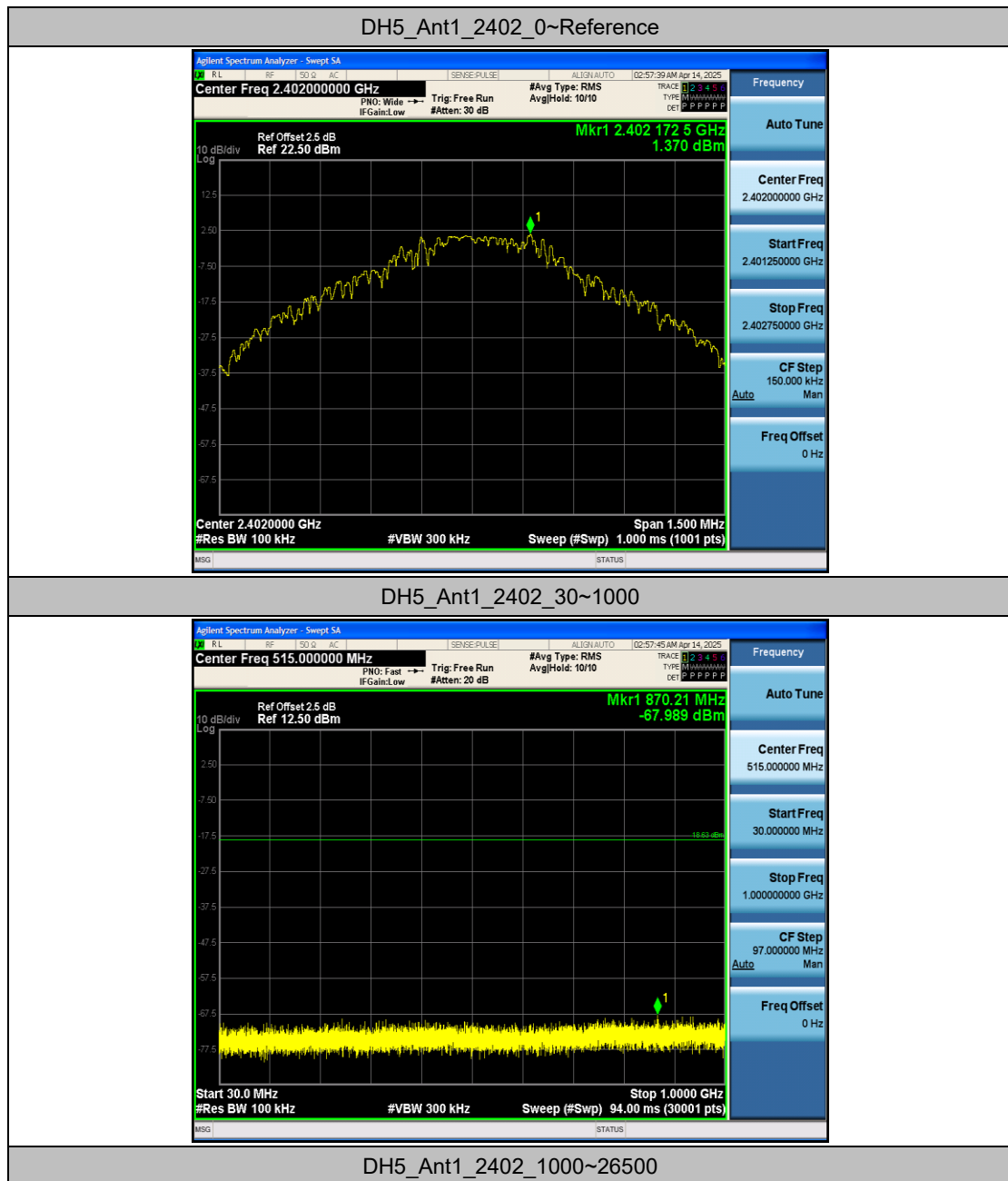


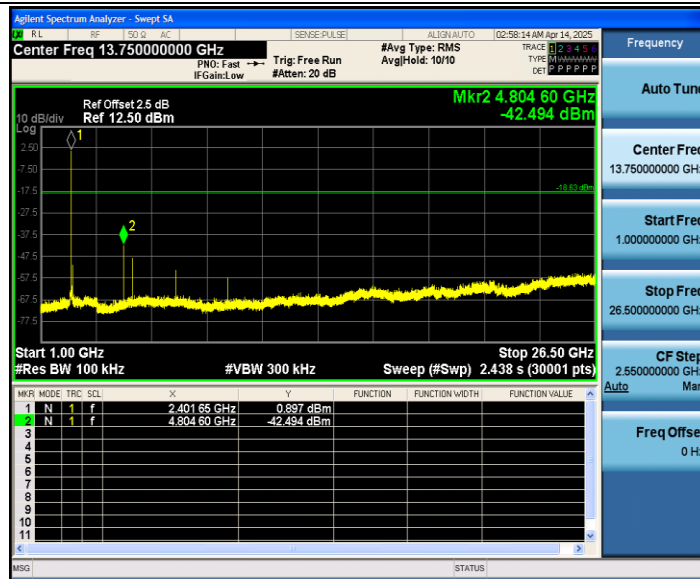
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-67.99	≤-18.63	PASS
			1000~26500	1.37	-42.49	≤-18.63	PASS
		2441	Reference	0.64	0.64	---	PASS
			30~1000	0.64	-67.48	≤-19.36	PASS
			1000~26500	0.64	-41.98	≤-19.36	PASS
		2480	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-66.56	≤-19.48	PASS
			1000~26500	0.52	-43.99	≤-19.48	PASS
2DH5	Ant1	2402	Reference	-4.66	-4.66	---	PASS
			30~1000	-4.66	-67.09	≤-24.66	PASS
			1000~26500	-4.66	-47.62	≤-24.66	PASS
		2441	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-64.56	≤-25.38	PASS
			1000~26500	-5.38	-50.39	≤-25.38	PASS
		2480	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-68.05	≤-23.66	PASS
			1000~26500	-3.66	-49.77	≤-23.66	PASS

Test Graphs

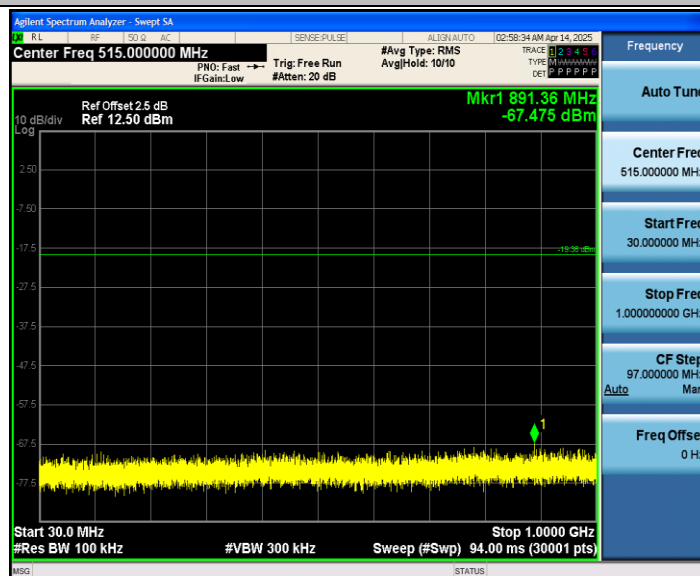




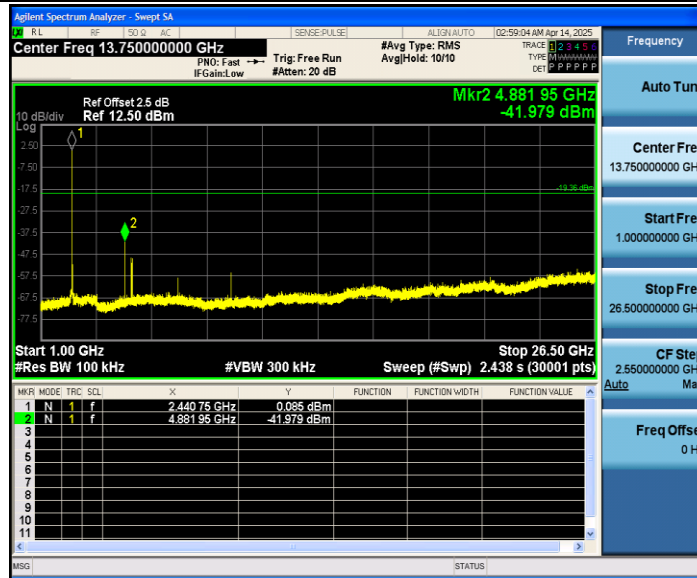
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



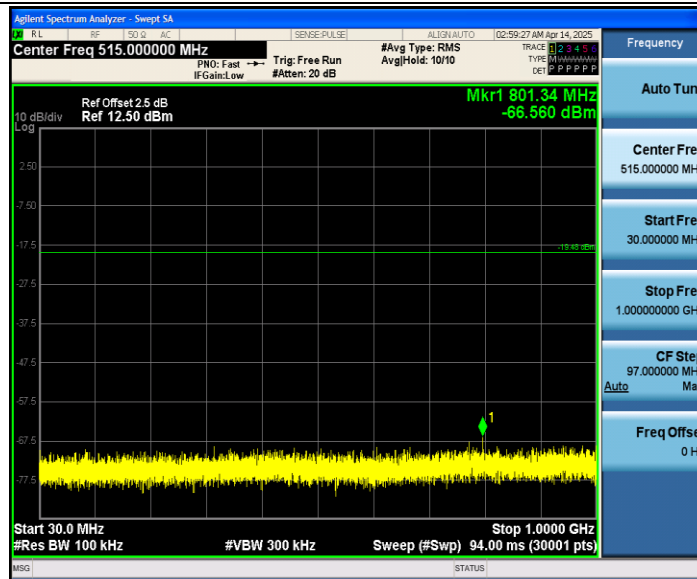
DH5_Ant1_2441_1000~26500



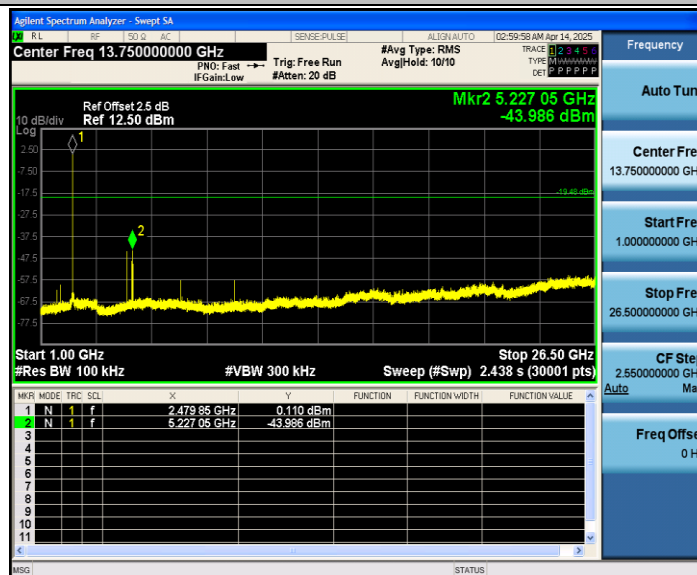
DH5_Ant1_2480_0~Reference



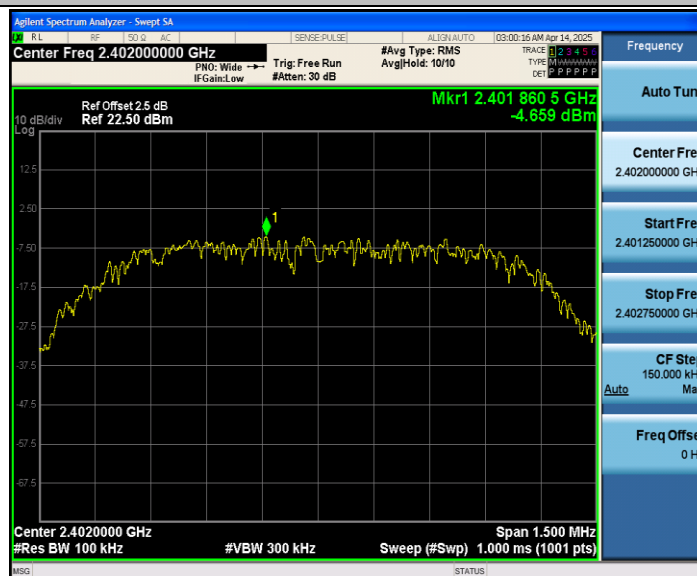
DH5_Ant1_2480_30~1000



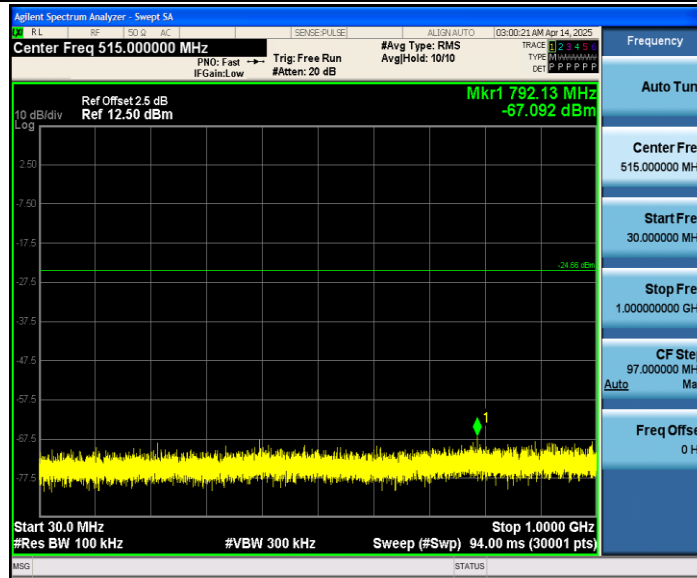
DH5_Ant1_2480_1000~26500



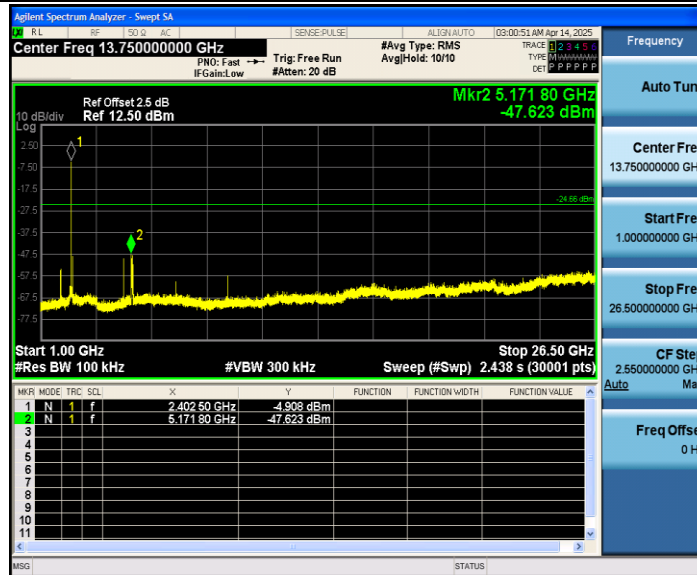
2DH5_Ant1_2402_0~Reference



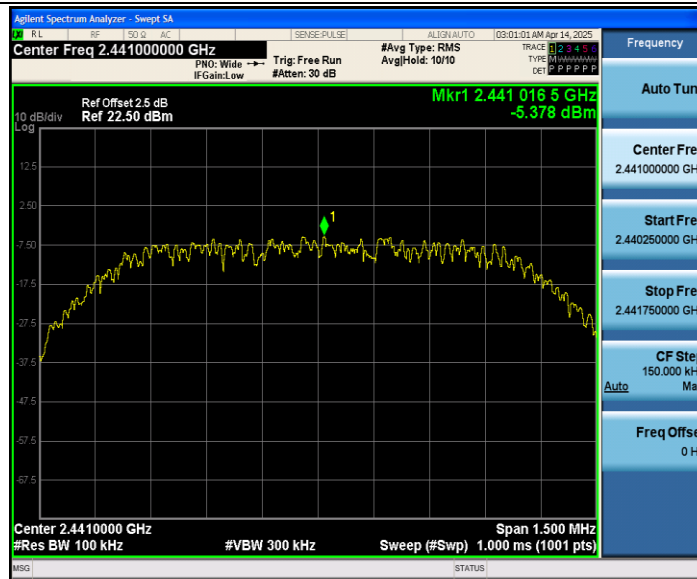
2DH5_Ant1_2402_30~1000



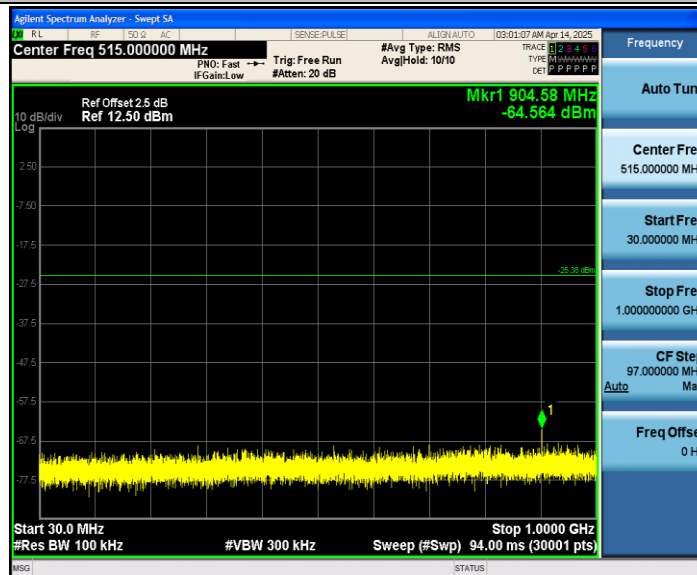
2DH5_Ant1_2402_1000~26500



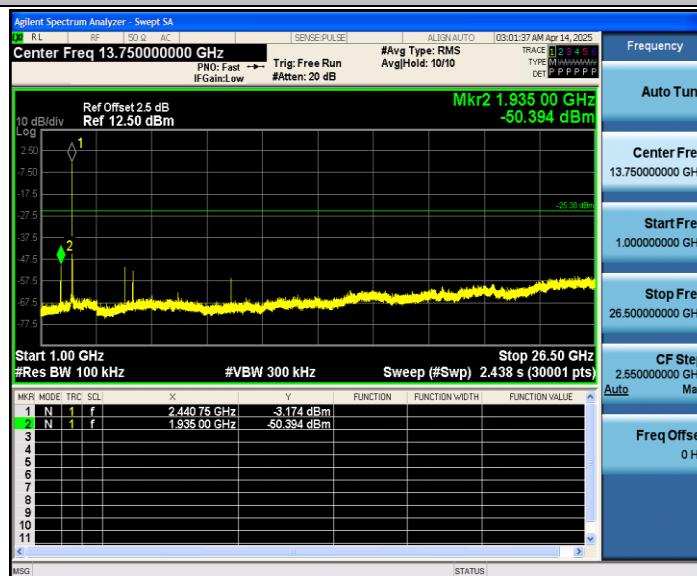
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



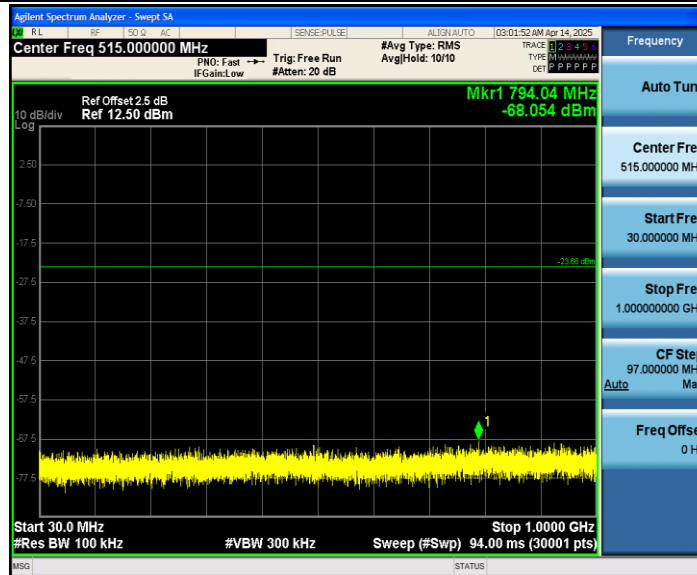
2DH5_Ant1_2441_1000~26500



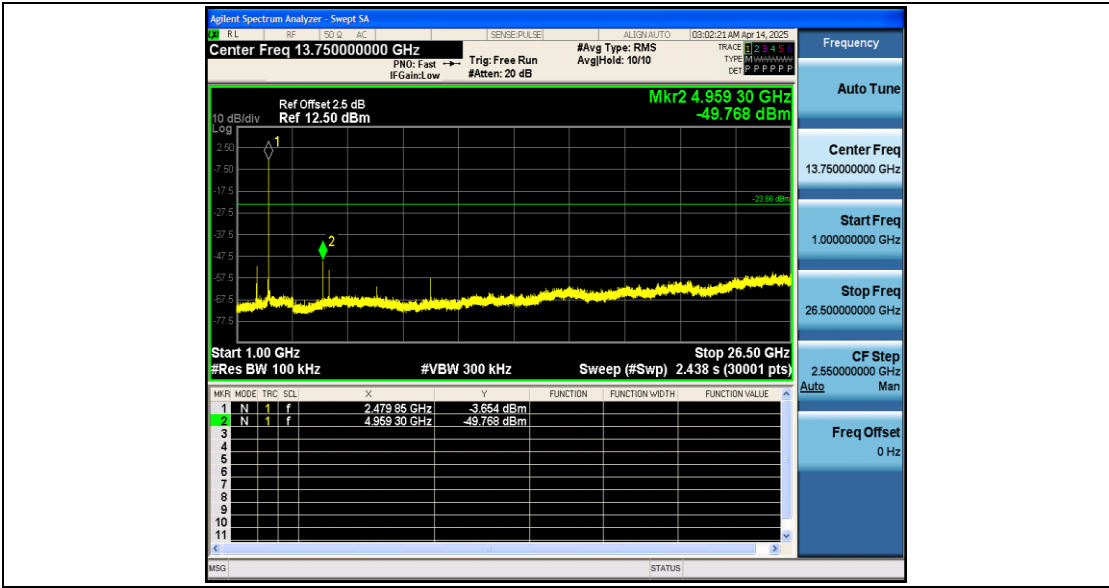
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

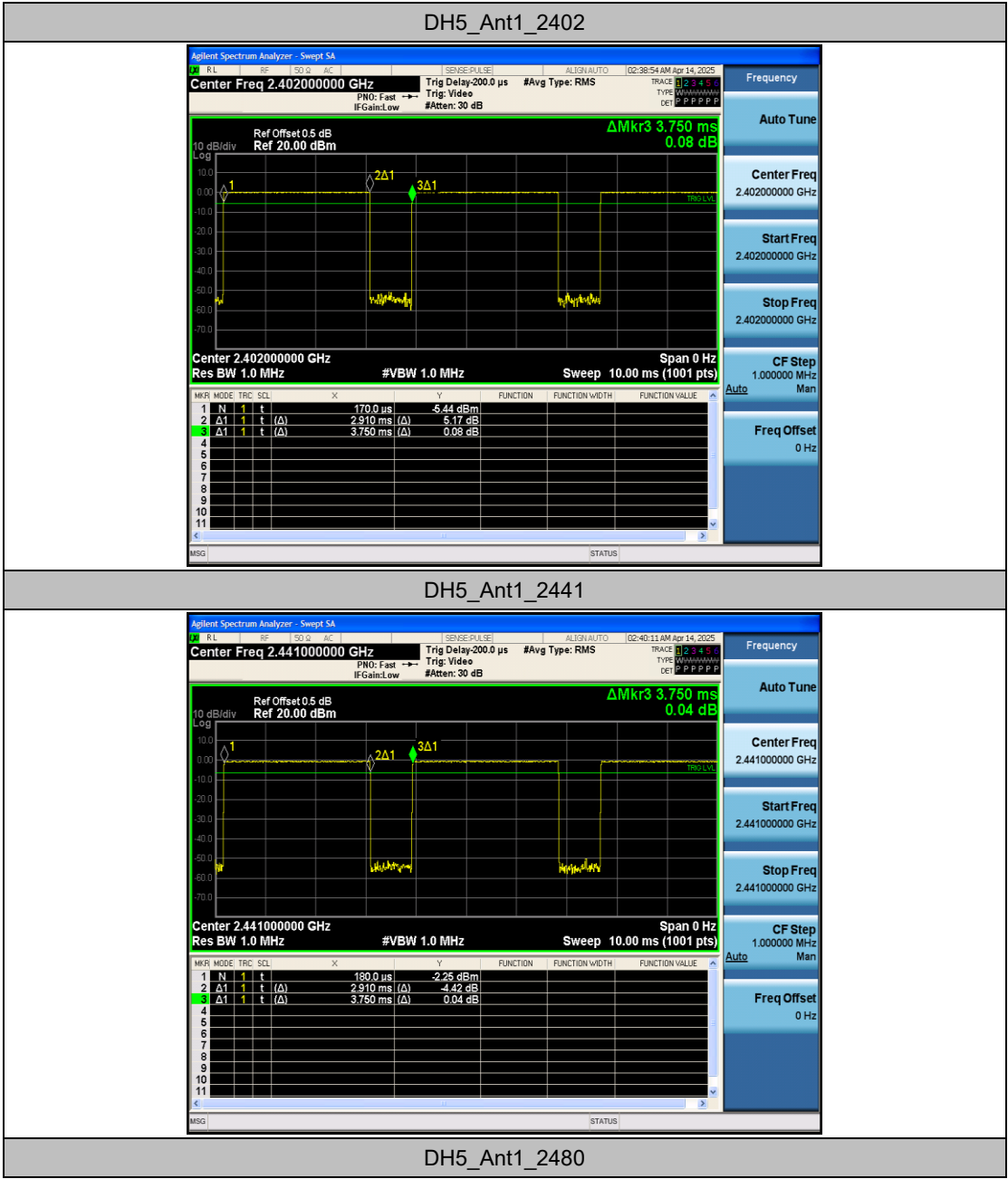


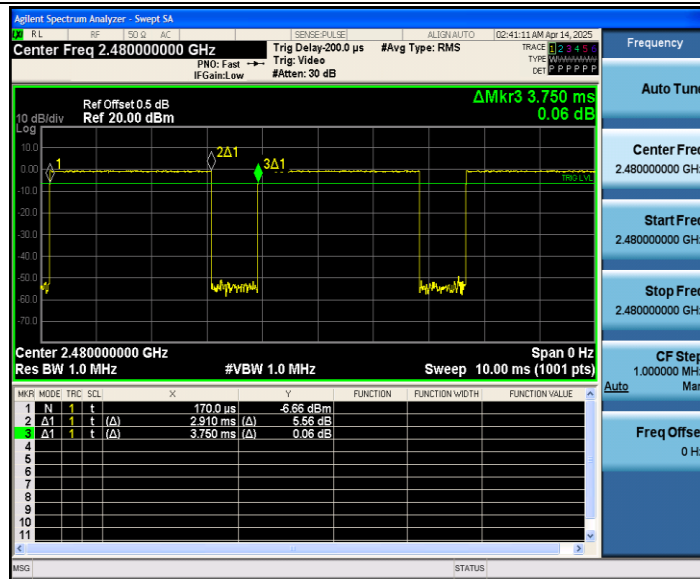
Appendix I: Duty Cycle

Test Result

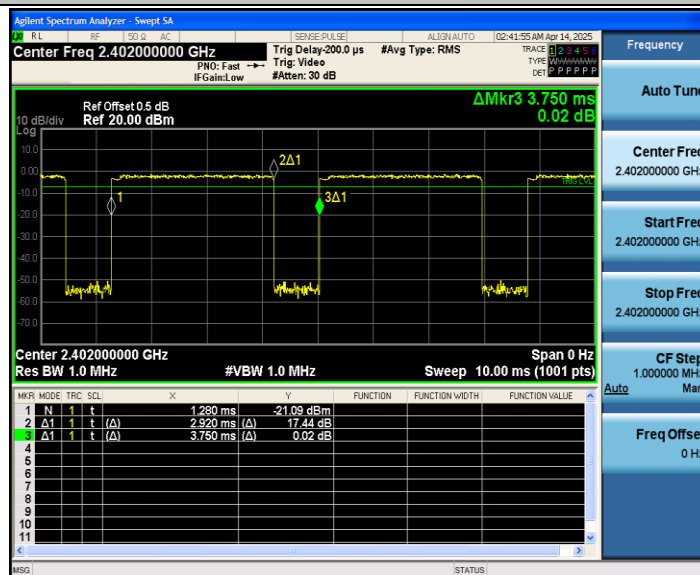
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09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

Test Graphs

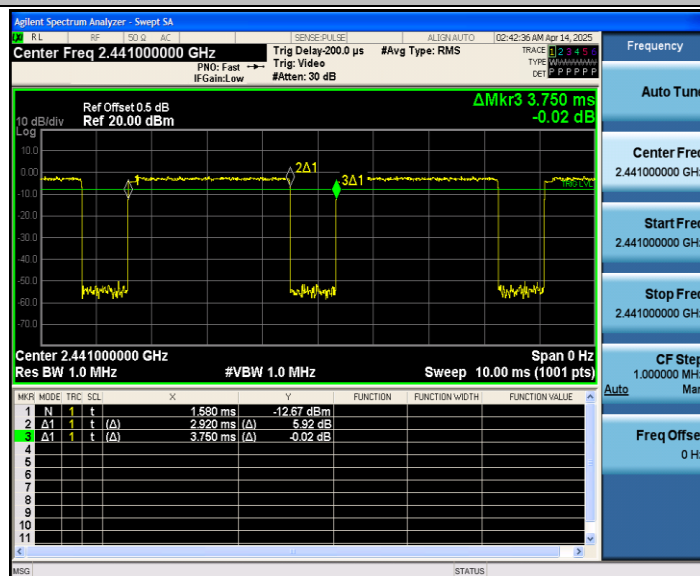




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

