

FCC Appendix RF Test Data for BT

FCC ID : 2A48I-JF-H-38F

Company : Ningbo Jiufeng Electrical Appliance Co., Ltd.

EUT : TREADMILL

Model Number : JF-H-38F

Report No. : CTA25111700401

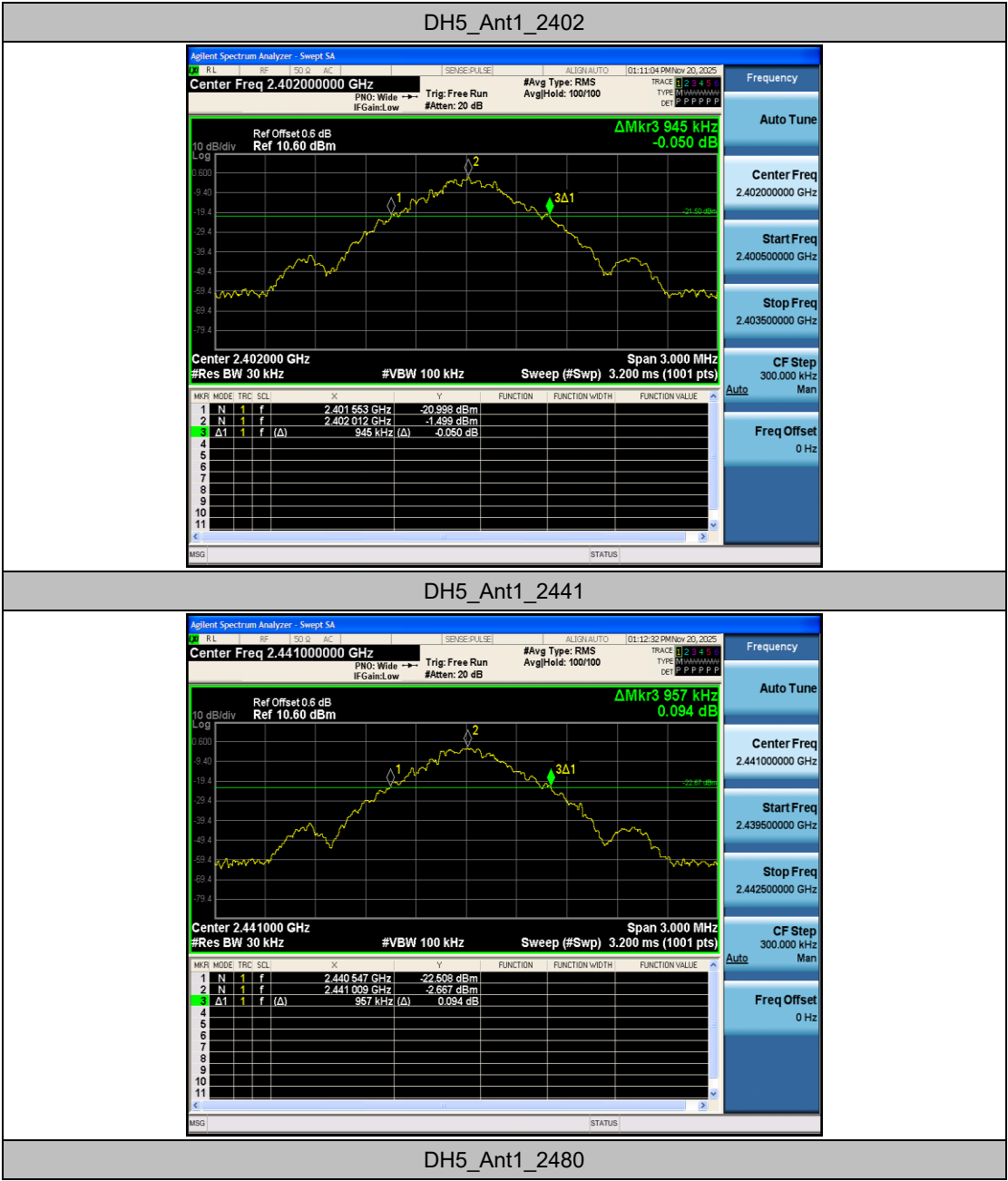
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.553	2402.498	---	---
		2441	0.957	2440.547	2441.504	---	---
		2480	0.954	2479.547	2480.501	---	---
2DH5	Ant1	2402	1.320	2401.349	2402.669	---	---
		2441	1.335	2440.343	2441.678	---	---
		2480	1.314	2479.355	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

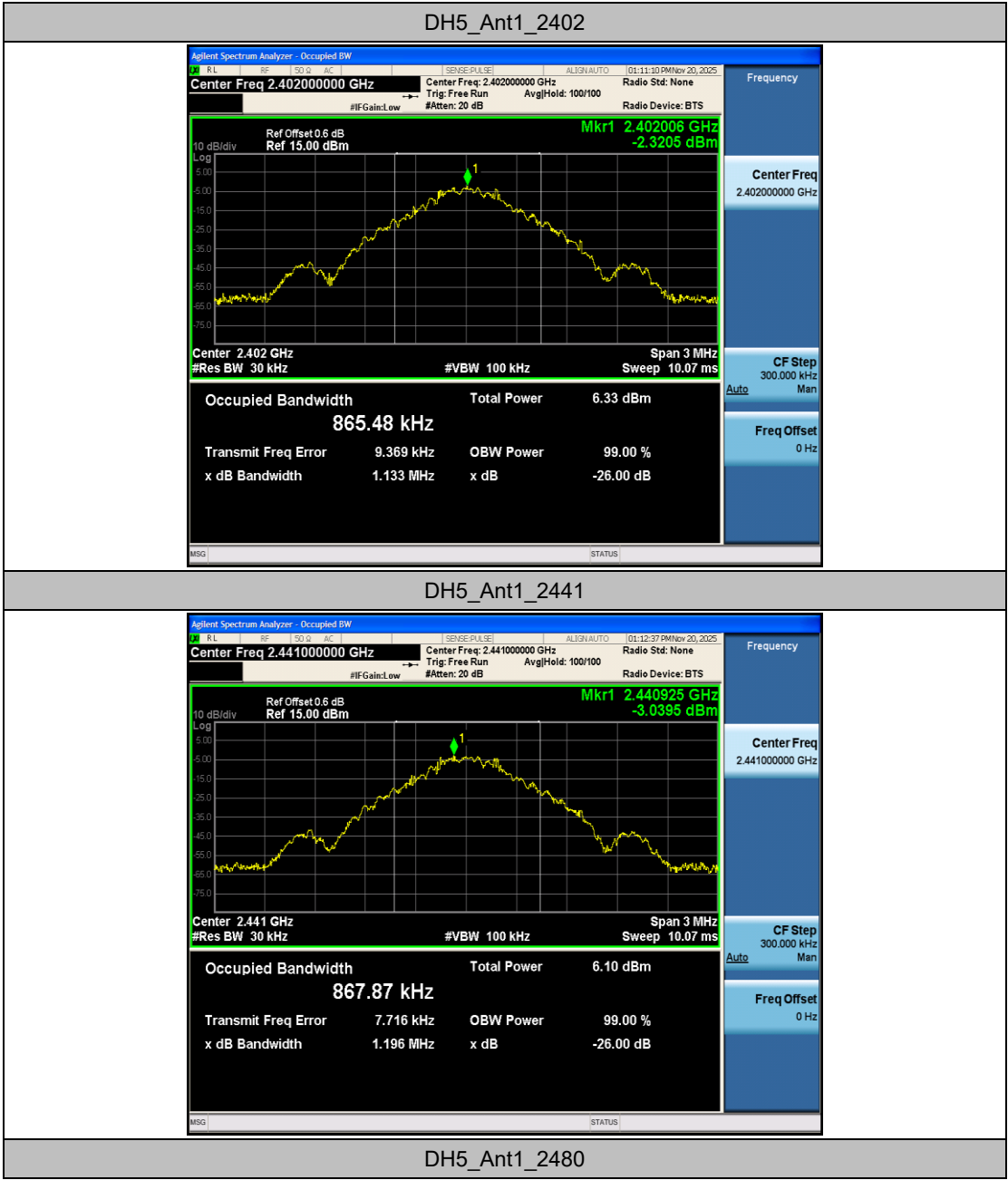


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86548	2401.5766	2402.4421	---	---
		2441	0.86787	2440.5738	2441.4417	---	---
		2480	0.87107	2479.5747	2480.4458	---	---
2DH5	Ant1	2402	1.1906	2401.4160	2402.6066	---	---
		2441	1.1935	2440.4166	2441.6101	---	---
		2480	1.1910	2479.4160	2480.6070	---	---

Test Graphs

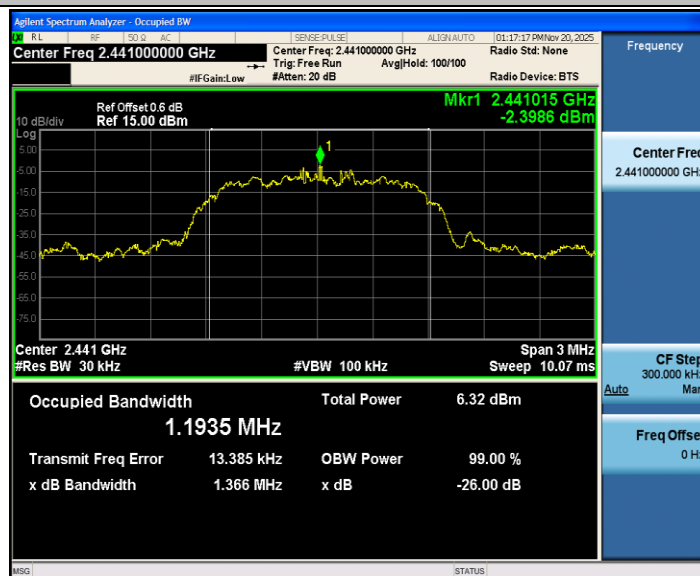




2DH5_Ant1_2402



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	0.29	≤20.97	PASS
		2441	0.10	≤20.97	PASS
		2480	0.04	≤20.97	PASS
2DH5	Ant1	2402	3.00	≤20.97	PASS
		2441	2.77	≤20.97	PASS
		2480	2.66	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.332	≥ 0.957	PASS
2DH5	Ant1	Hop	1.152	≥ 0.890	PASS

Test Graphs

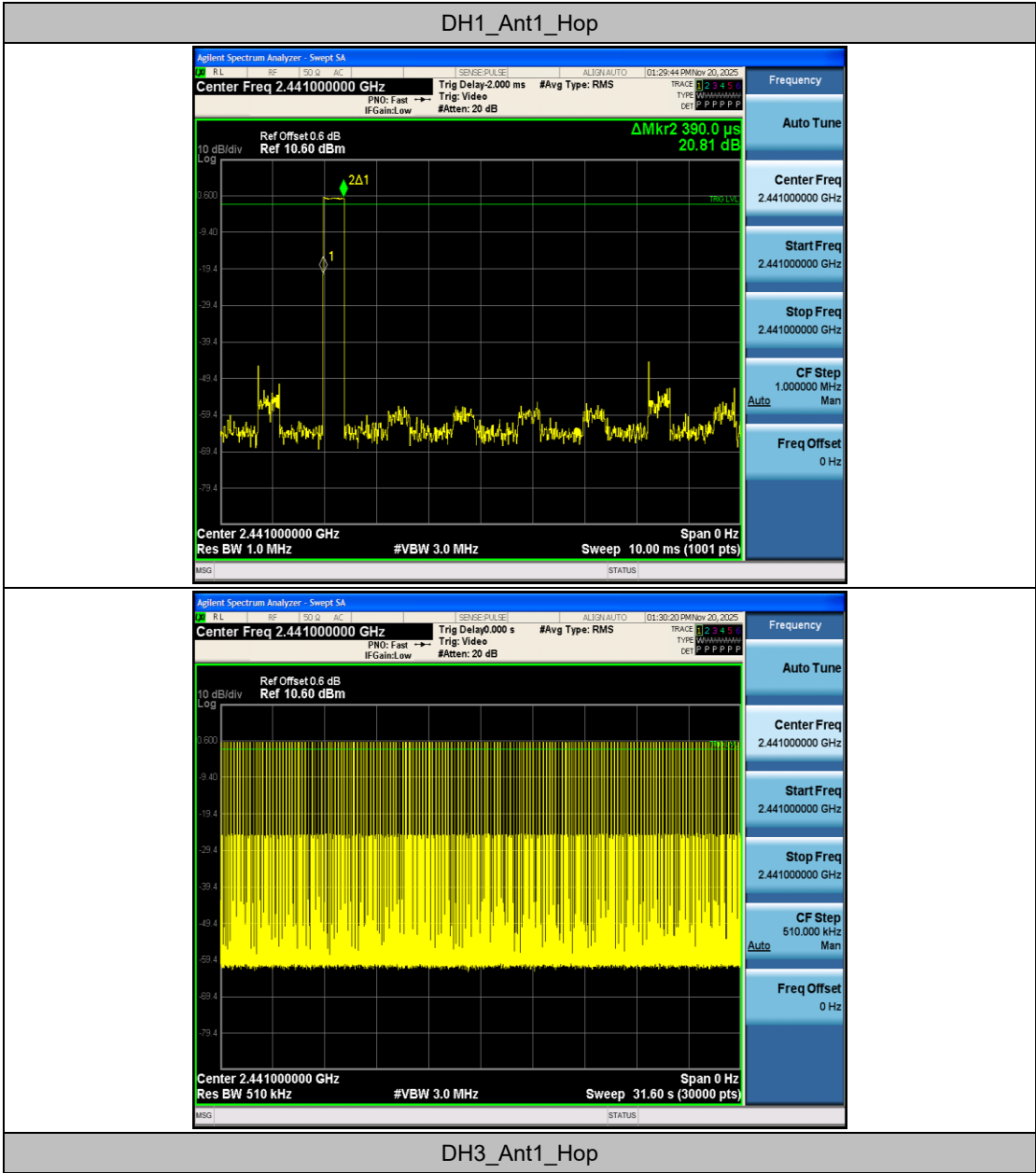


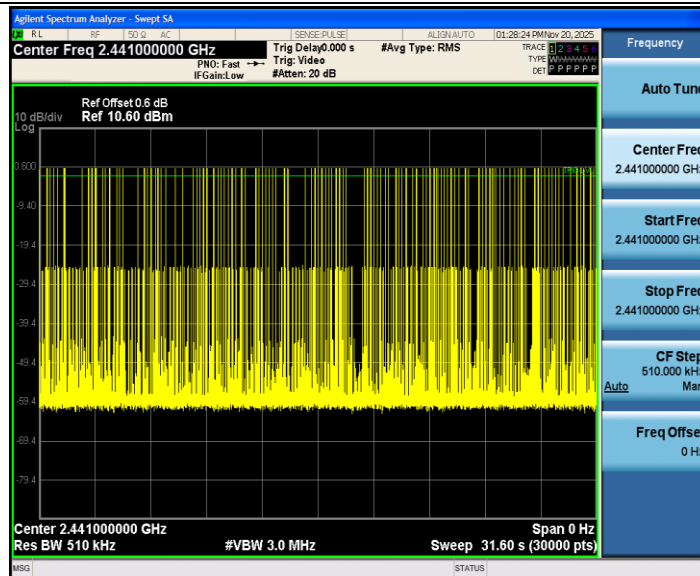
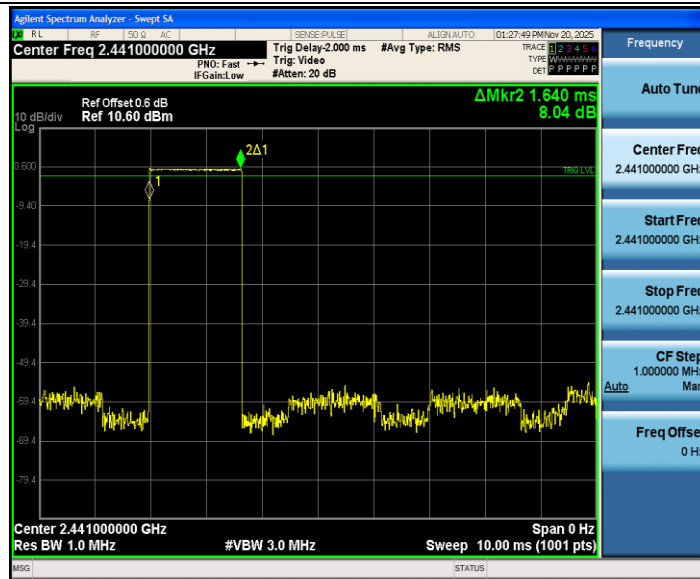
Appendix E: Time of occupancy

Test Result

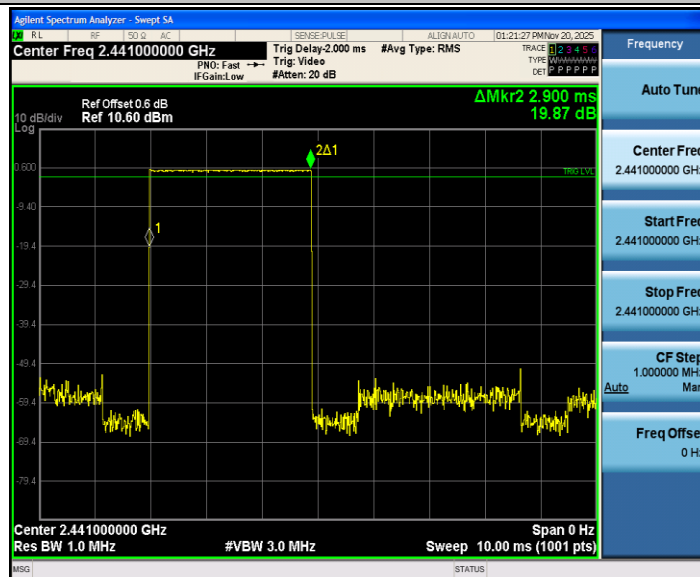
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	314	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.640	153	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.900	113	0.328	≤0.4	PASS
2DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.650	157	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS

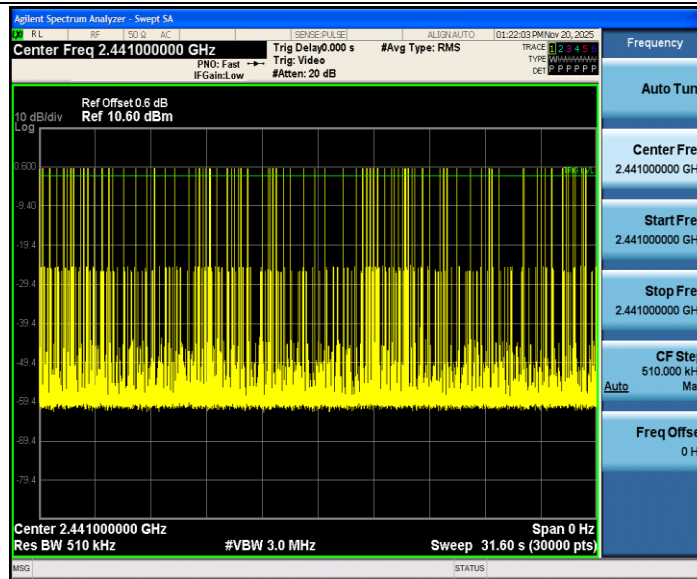
Test Graphs



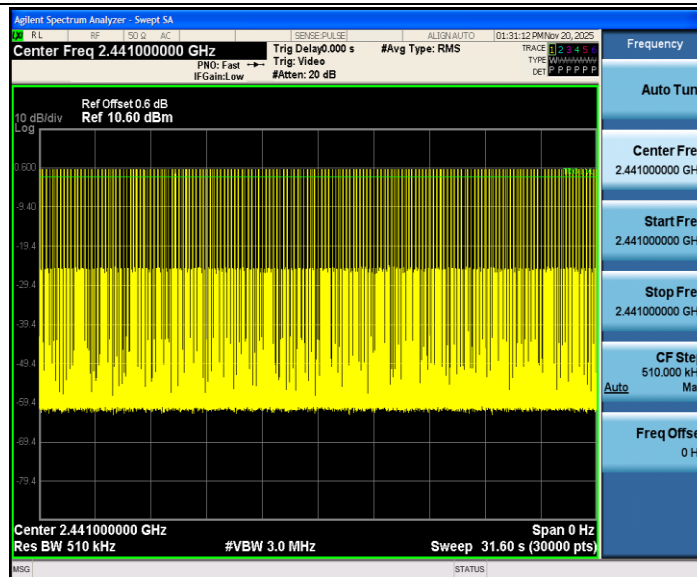
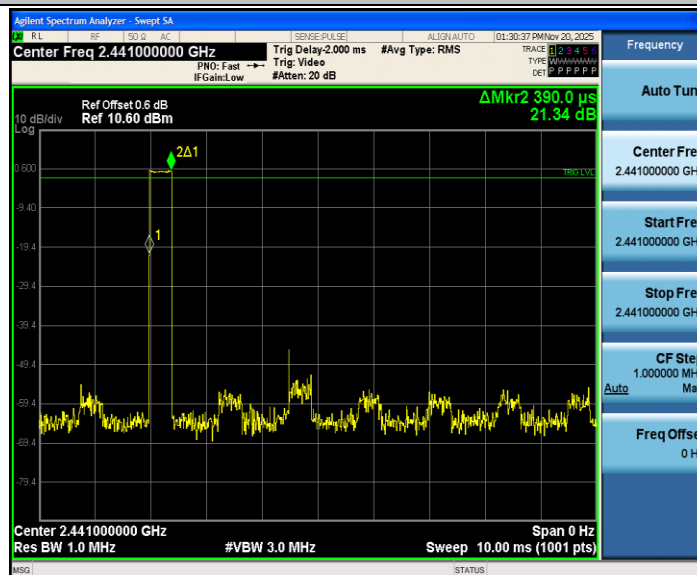


DH5_Ant1_Hop

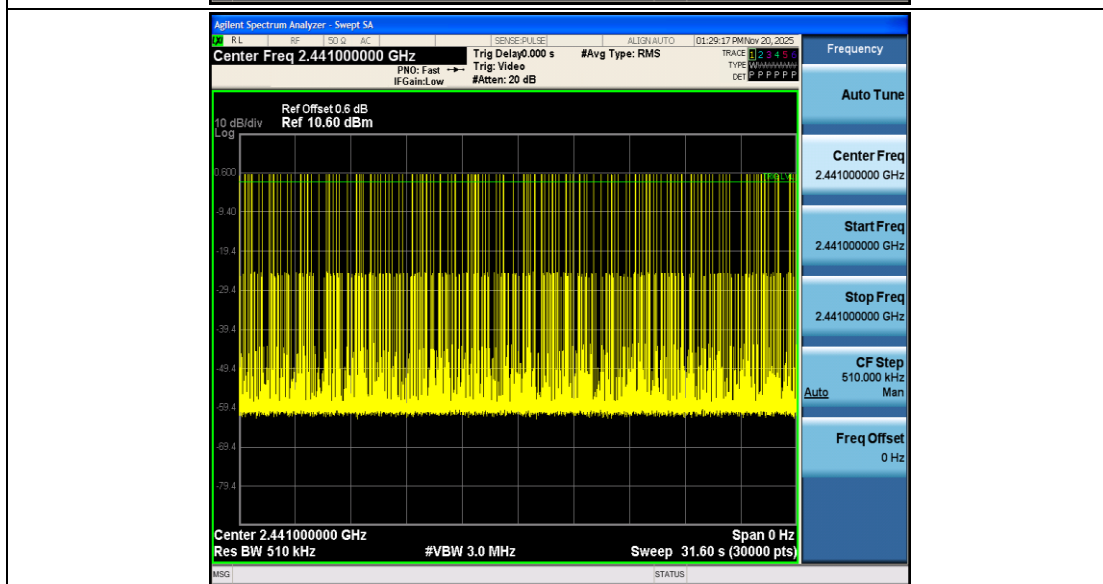
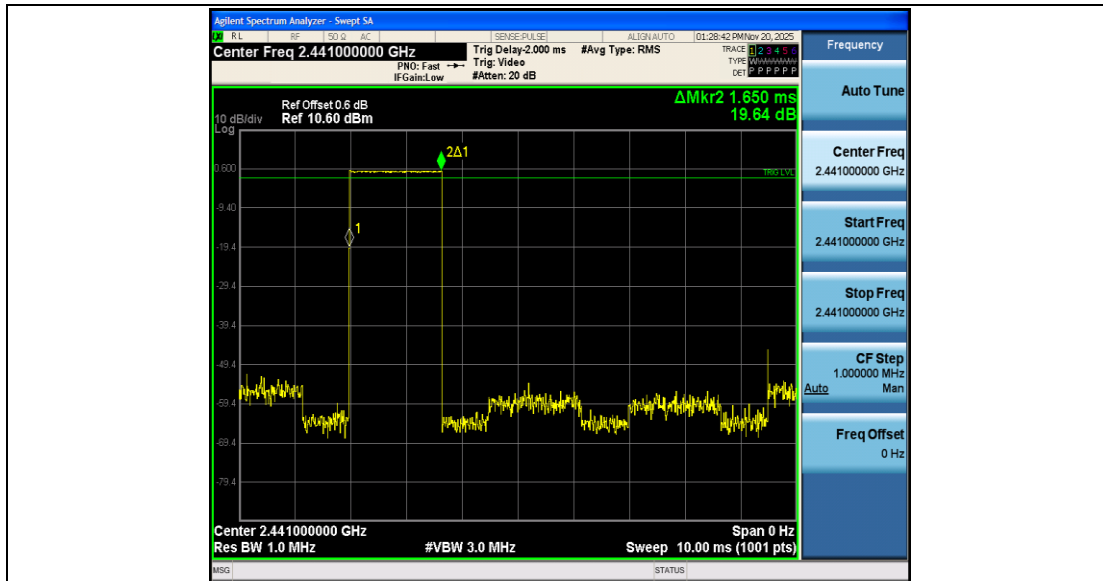




2DH1_Ant1_Hop

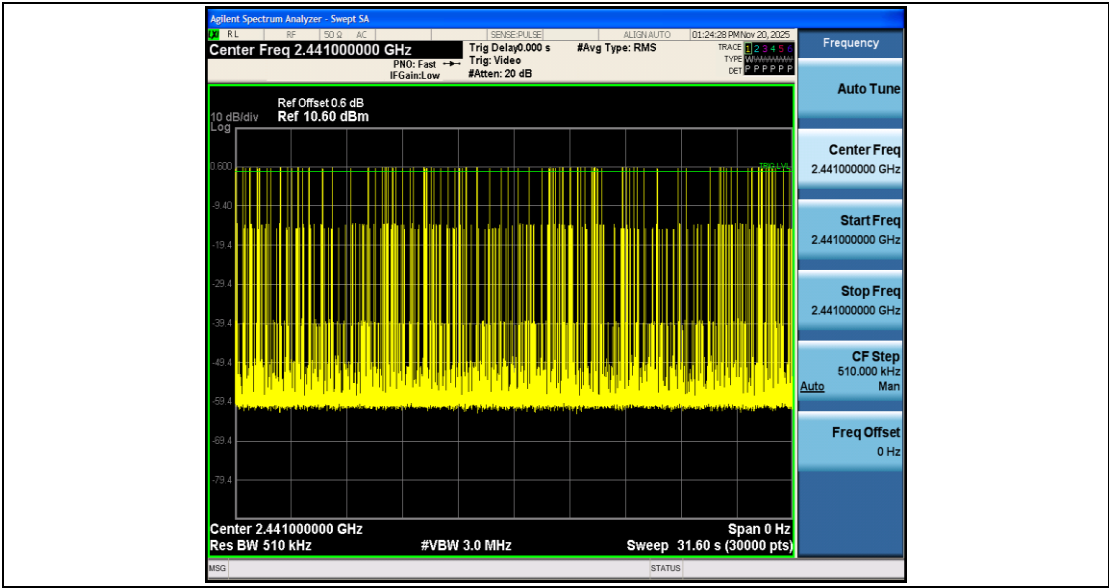


2DH3_Ant1_Hop



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

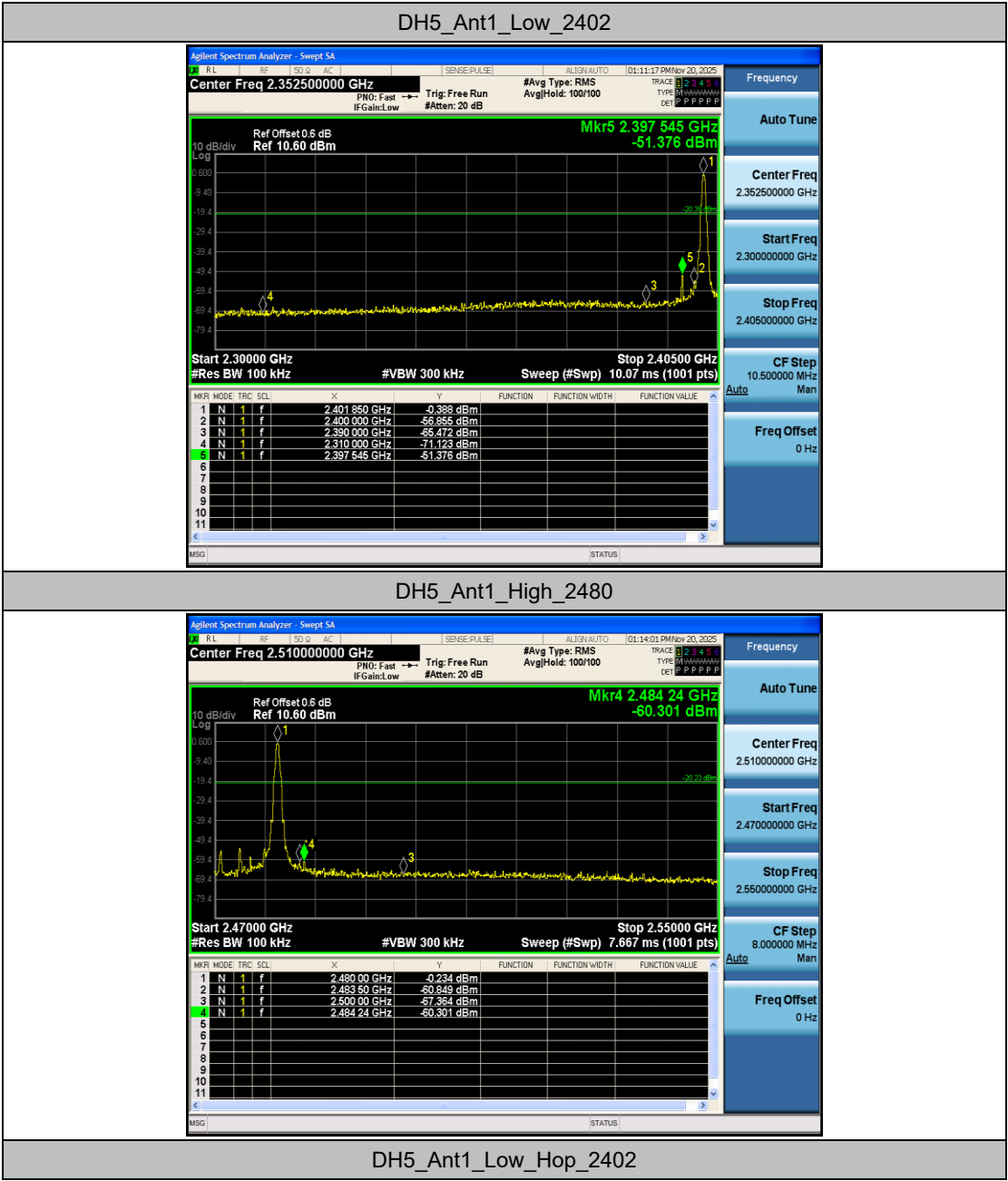


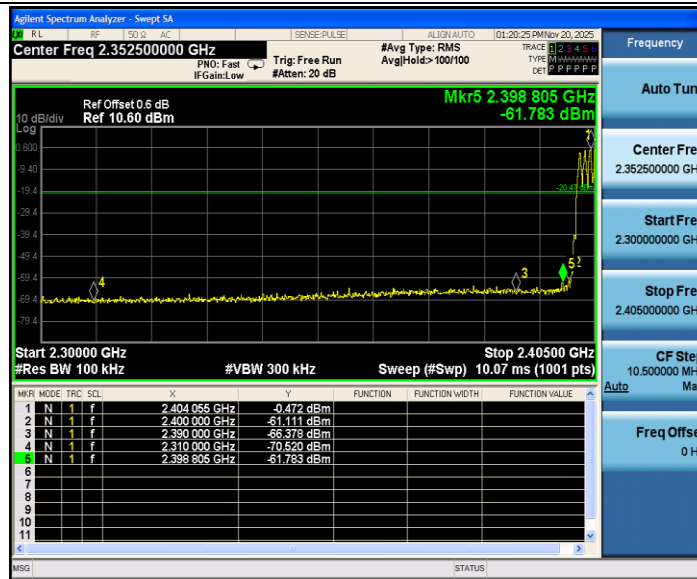
Appendix G: Band edge measurements

Test Result

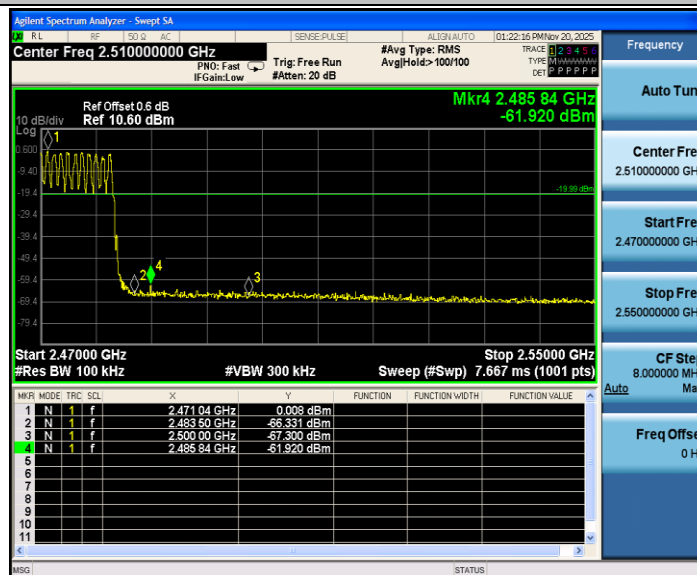
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.39	-51.38	≤-20.39	PASS
		High	2480	-0.23	-60.3	≤-20.23	PASS
		Low	Hop_2402	-0.47	-61.78	≤-20.47	PASS
		High	Hop_2480	0.01	-61.92	≤-19.99	PASS
2DH5	Ant1	Low	2402	0.23	-50.58	≤-19.77	PASS
		High	2480	-0.61	-60.54	≤-20.61	PASS
		Low	Hop_2402	-2.13	-51.28	≤-22.13	PASS
		High	Hop_2480	-0.21	-54.25	≤-20.21	PASS

Test Graphs

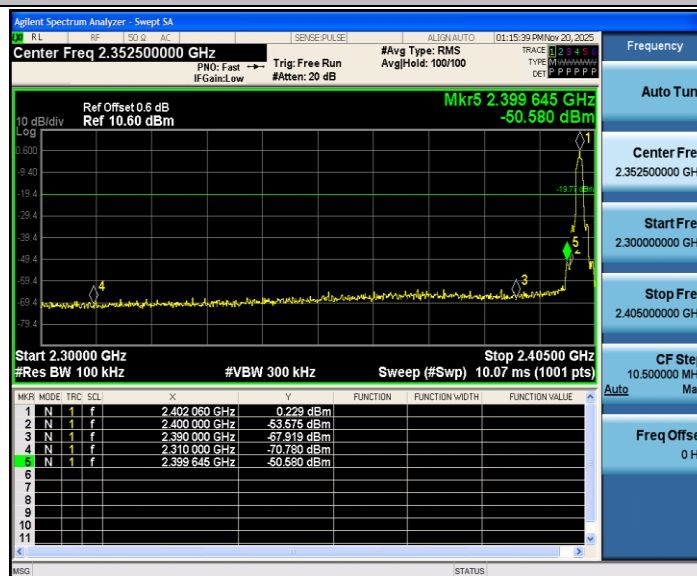




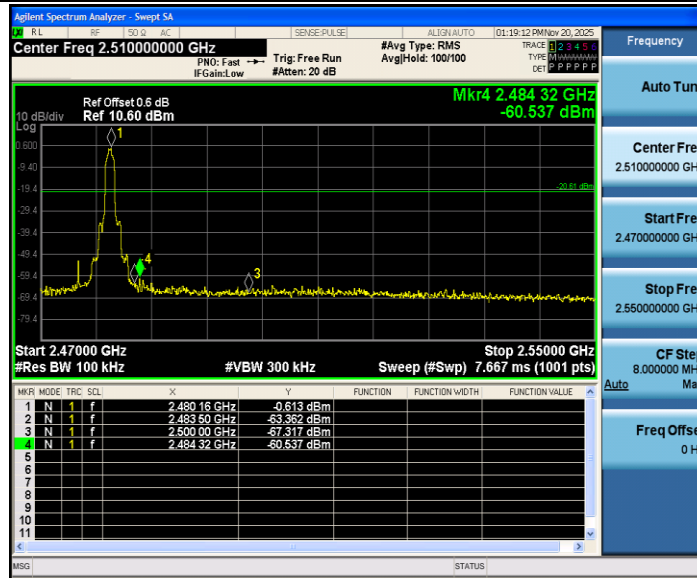
DH5_Ant1_High_Hop_2480



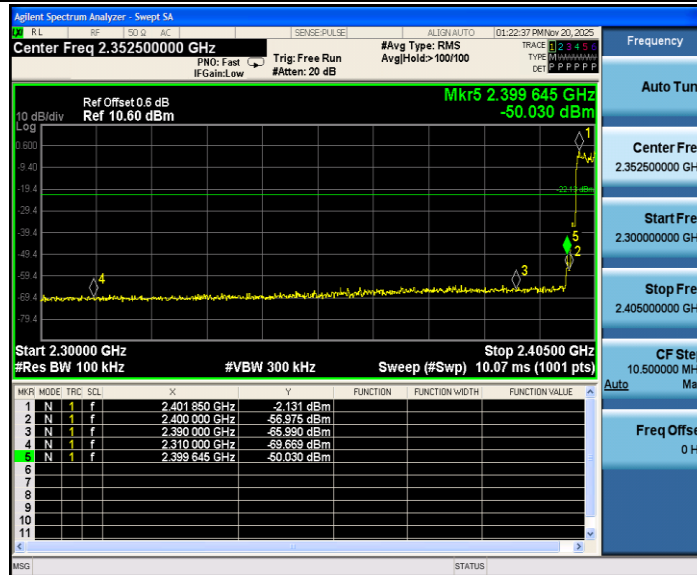
2DH5_Ant1_Low_2402



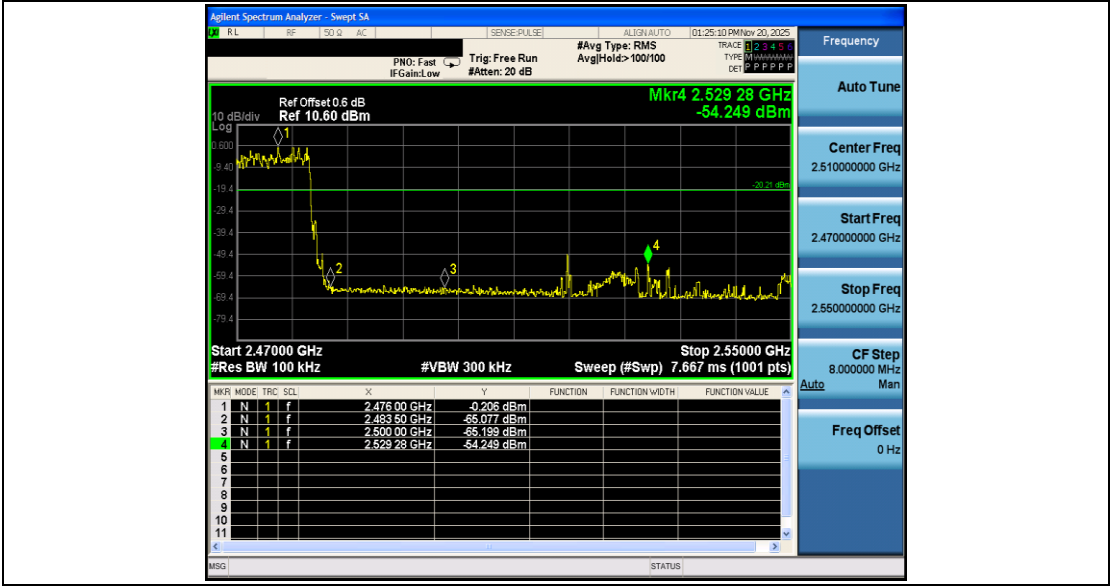
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

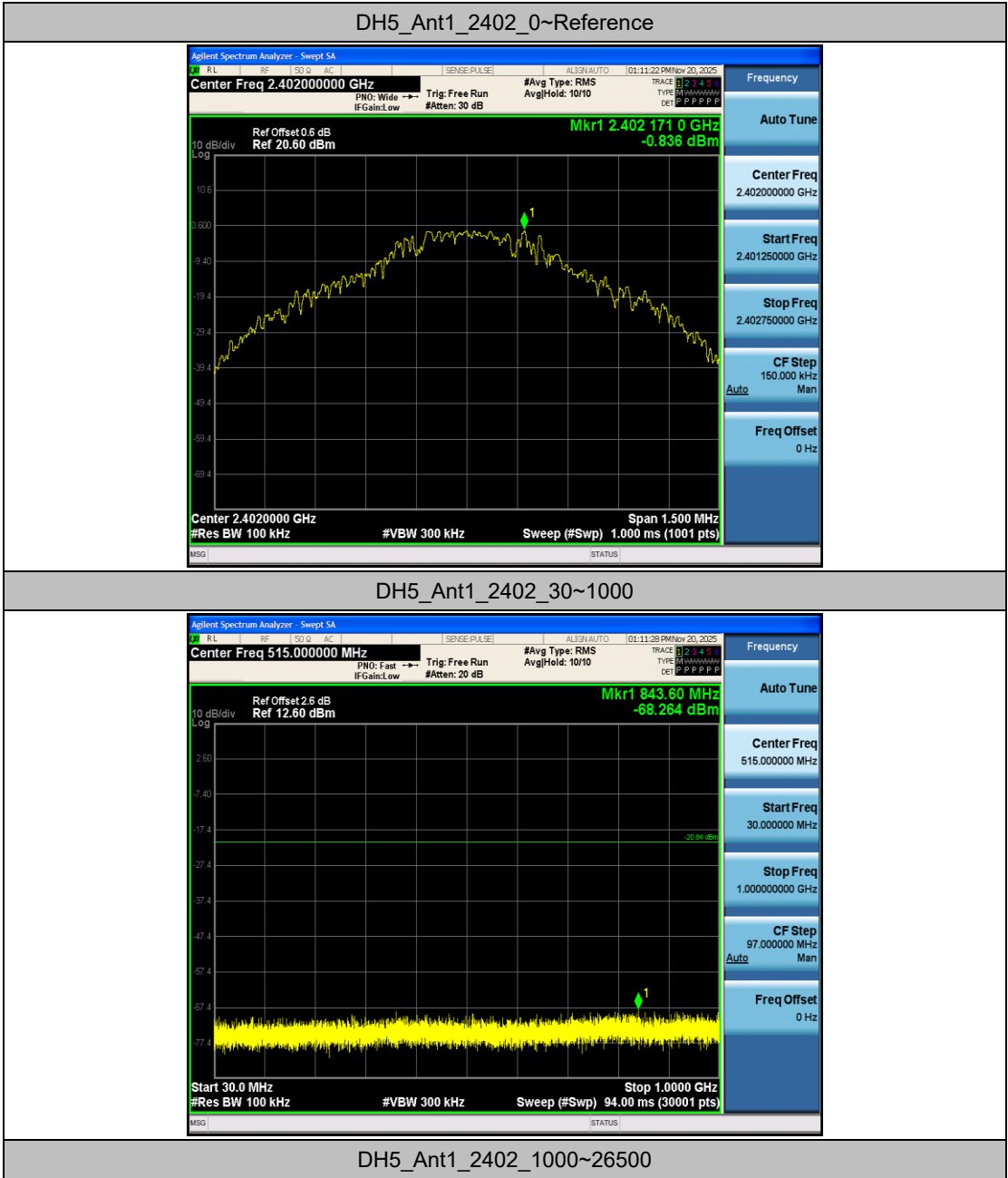


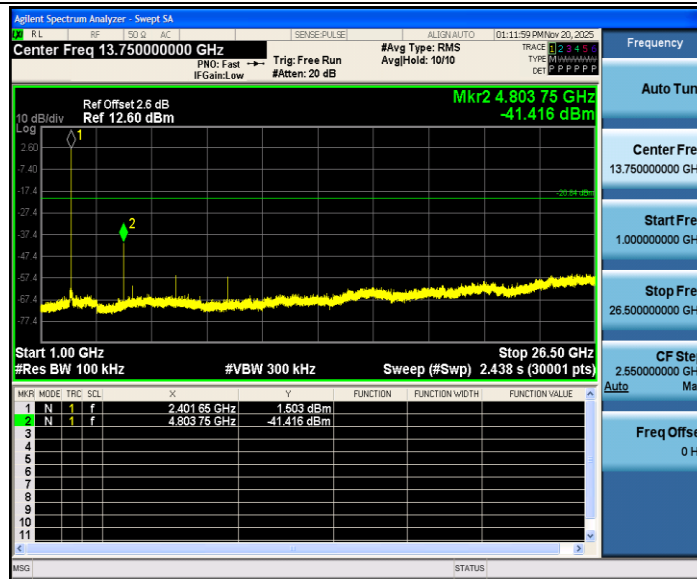
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.84	-0.84	---	PASS
			30~1000	-0.84	-68.26	≤-20.84	PASS
			1000~26500	-0.84	-41.42	≤-20.84	PASS
		2441	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-67.56	≤-20.48	PASS
			1000~26500	-0.48	-42.29	≤-20.48	PASS
		2480	Reference	-0.51	-0.51	---	PASS
			30~1000	-0.51	-67.78	≤-20.51	PASS
			1000~26500	-0.51	-43.97	≤-20.51	PASS
2DH5	Ant1	2402	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-68.34	≤-21.1	PASS
			1000~26500	-1.10	-44.58	≤-21.1	PASS
		2441	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-67.77	≤-21.59	PASS
			1000~26500	-1.59	-44.76	≤-21.59	PASS
		2480	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-68.12	≤-20.05	PASS
			1000~26500	-0.05	-43	≤-20.05	PASS

Test Graphs

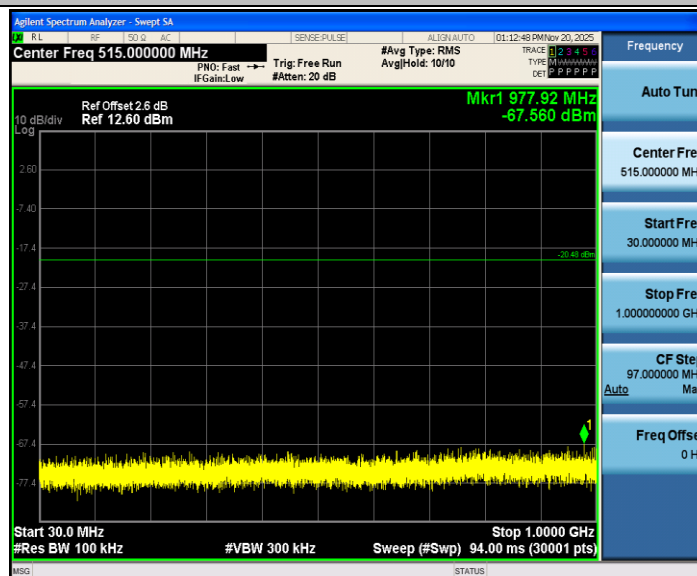




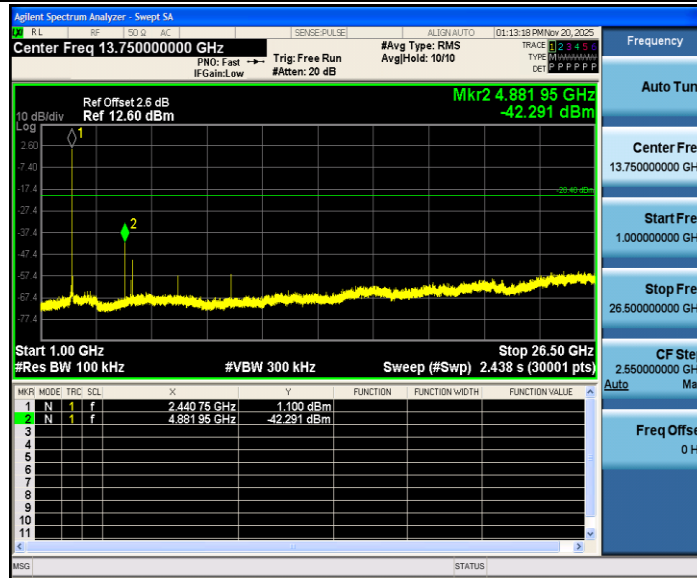
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



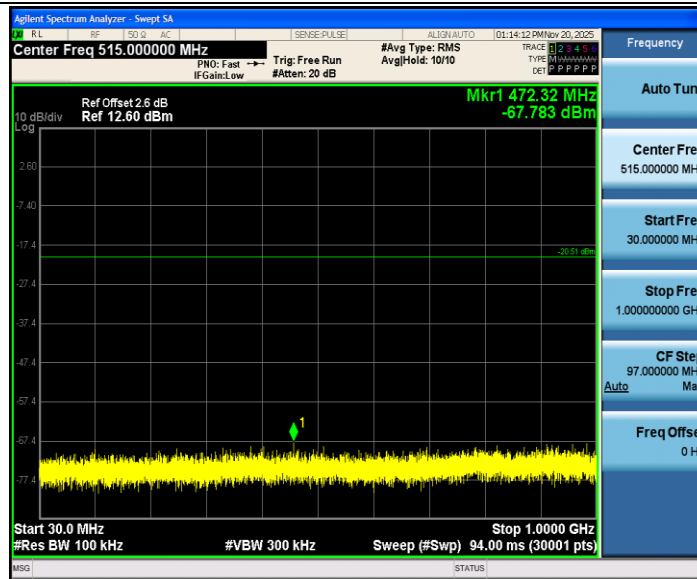
DH5_Ant1_2441_1000~26500



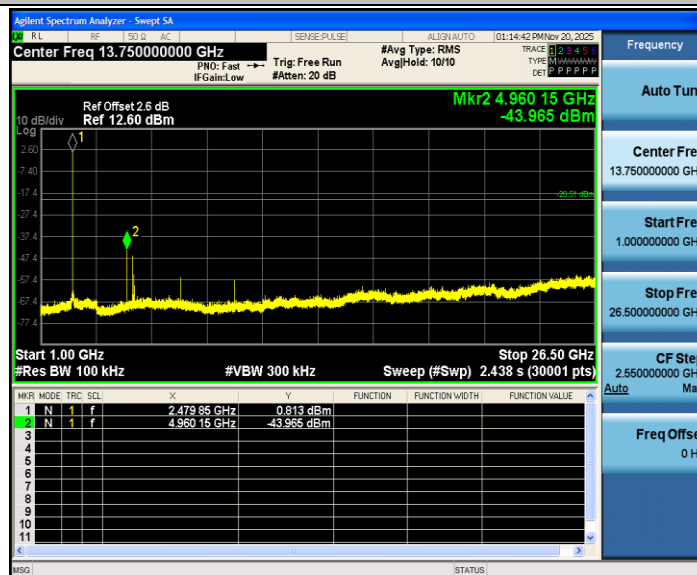
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



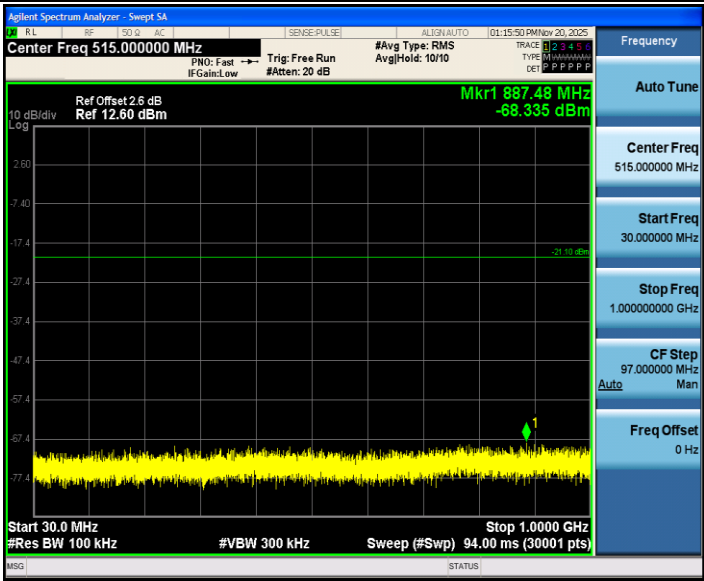
DH5_Ant1_2480_1000~26500



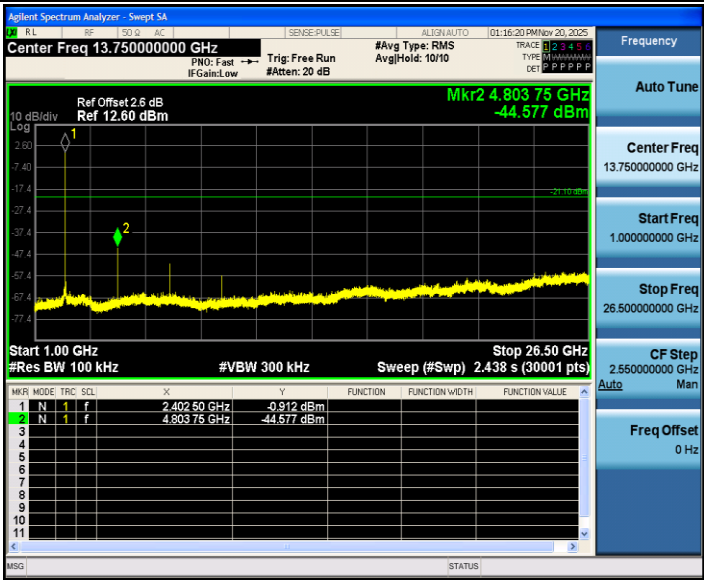
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



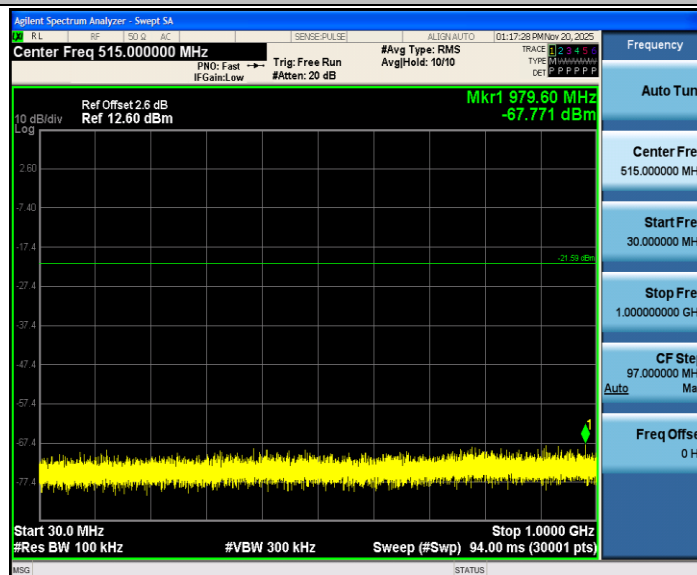
2DH5_Ant1_2402_1000~26500



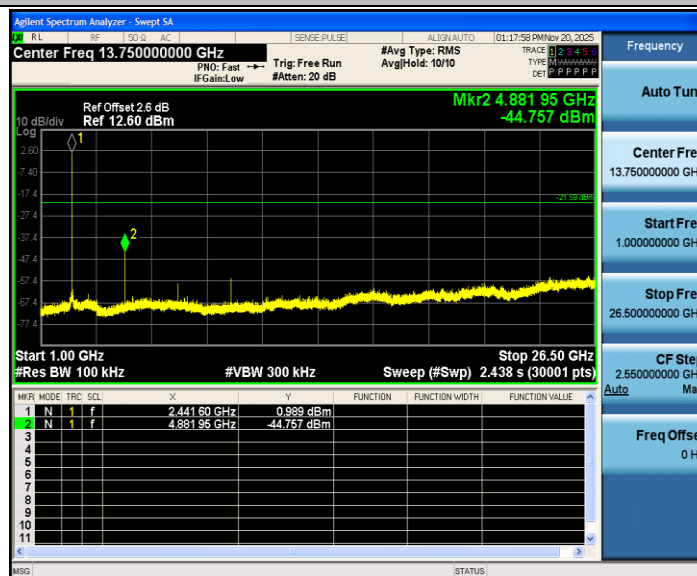
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



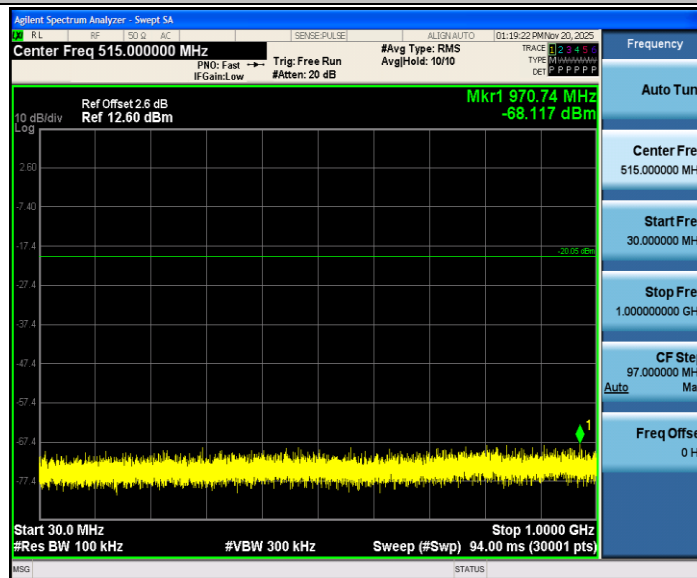
2DH5_Ant1_2441_1000~26500



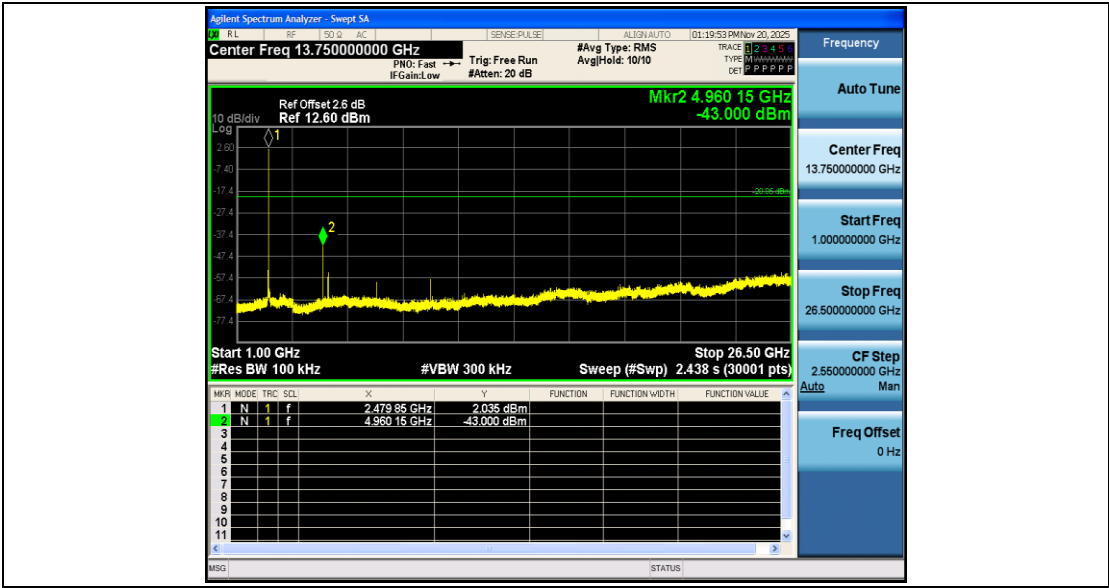
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

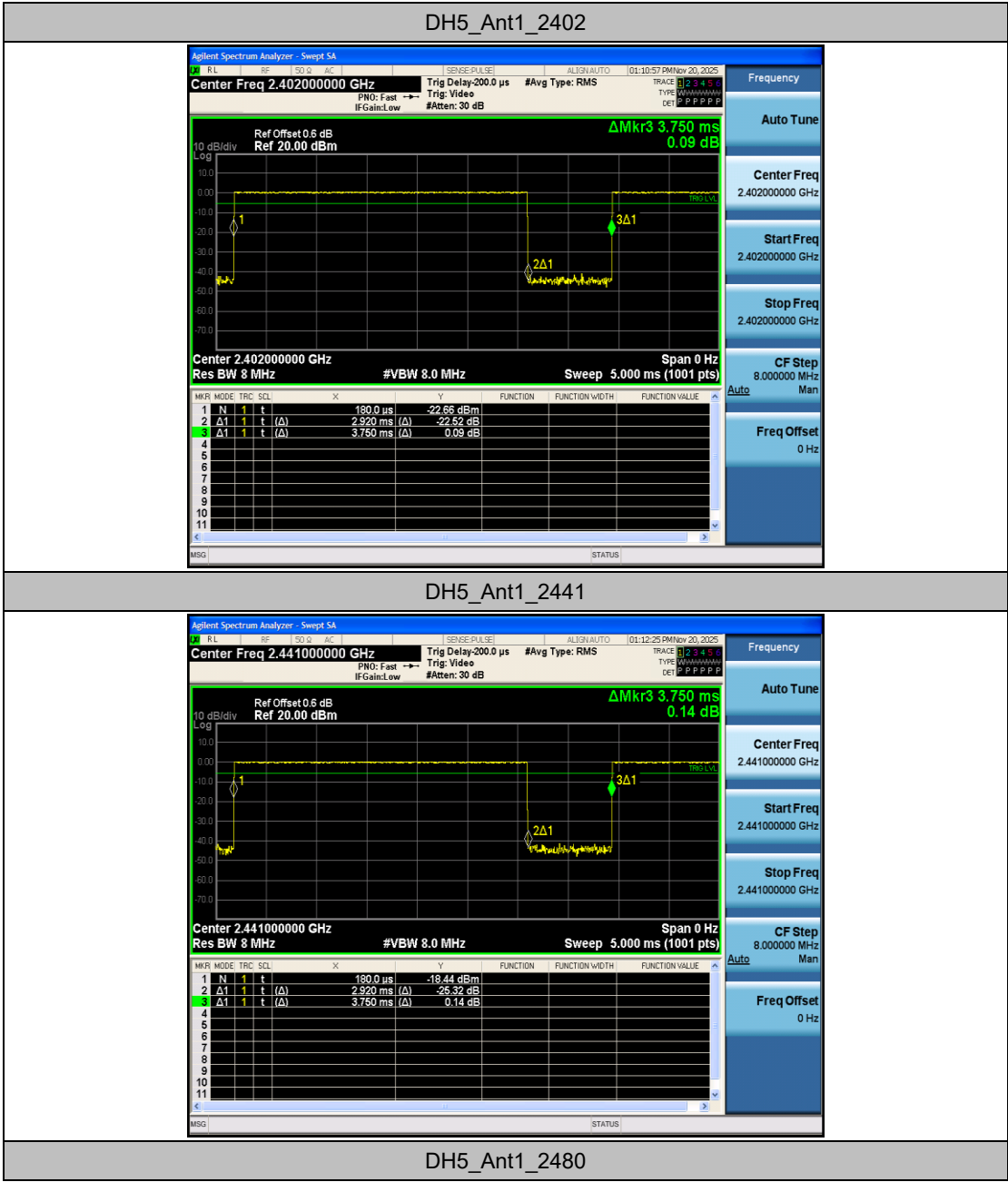


Appendix I: Duty Cycle

Test Result

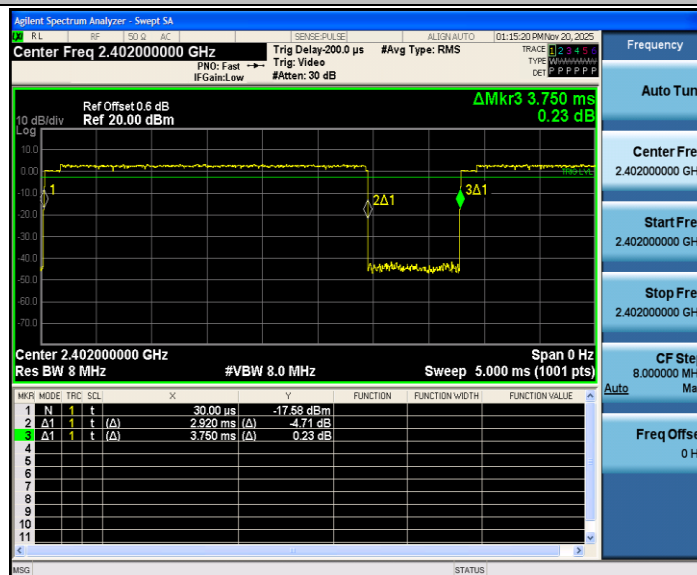
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10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

Test Graphs

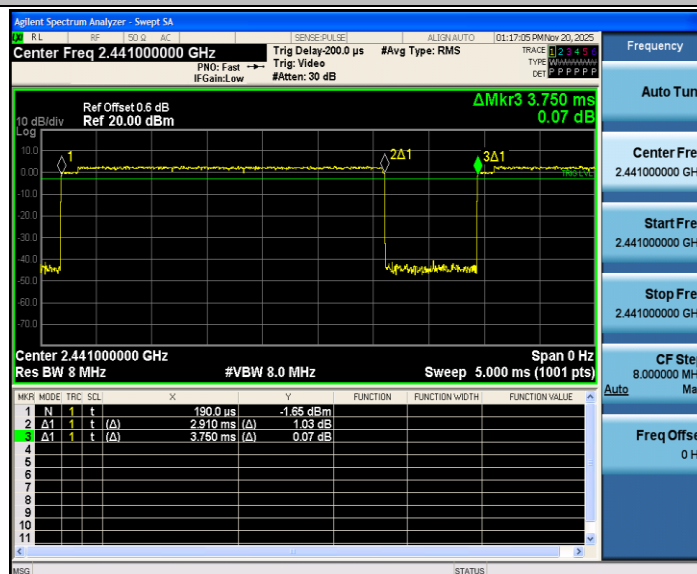




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

