

FCC Appendix RF Test Data

FCC ID : 2AWUL-J16PRO

Company : Shenzhen Pengxinfu Electronics Co., Ltd.

EUT : Wireless Headset

Model Number : J16PRO

Report No. : CTA25070800901

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	2401.553	2402.492	---	---
		2441	0.948	2440.550	2441.498	---	---
		2480	0.939	2479.556	2480.495	---	---
2DH5	Ant1	2402	1.320	2401.346	2402.666	---	---
		2441	1.323	2440.346	2441.669	---	---
		2480	1.290	2479.376	2480.666	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2D H5_Ant1_2402



2D H5_Ant1_2441



2DH5_Ant1_2480

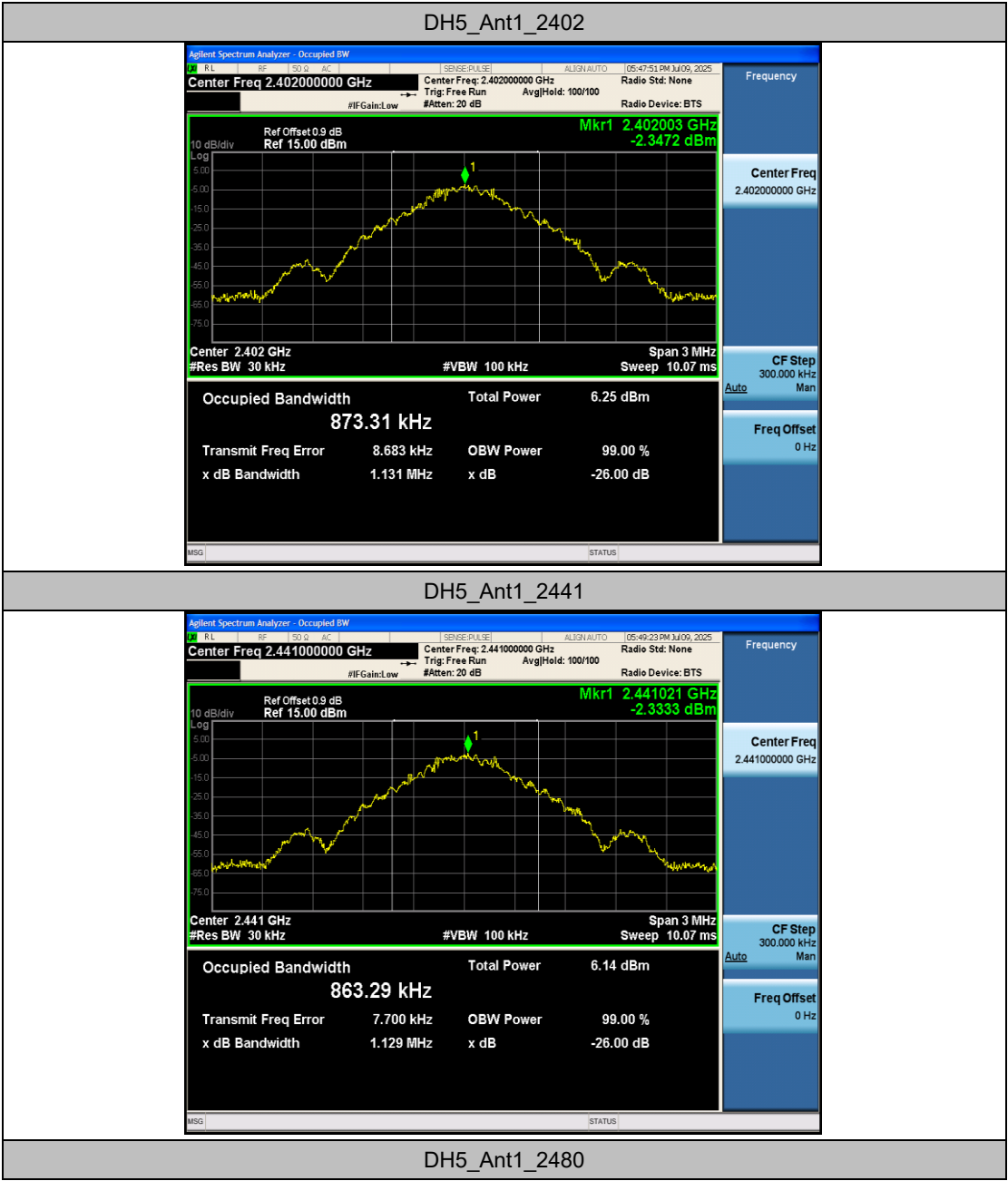


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87331	2401.5720	2402.4453	---	---
		2441	0.86329	2440.5761	2441.4393	---	---
		2480	0.87209	2479.5729	2480.4450	---	---
2DH5	Ant1	2402	1.1915	2401.4143	2402.6058	---	---
		2441	1.1892	2440.4147	2441.6039	---	---
		2480	1.1821	2479.4184	2480.6005	---	---

Test Graphs

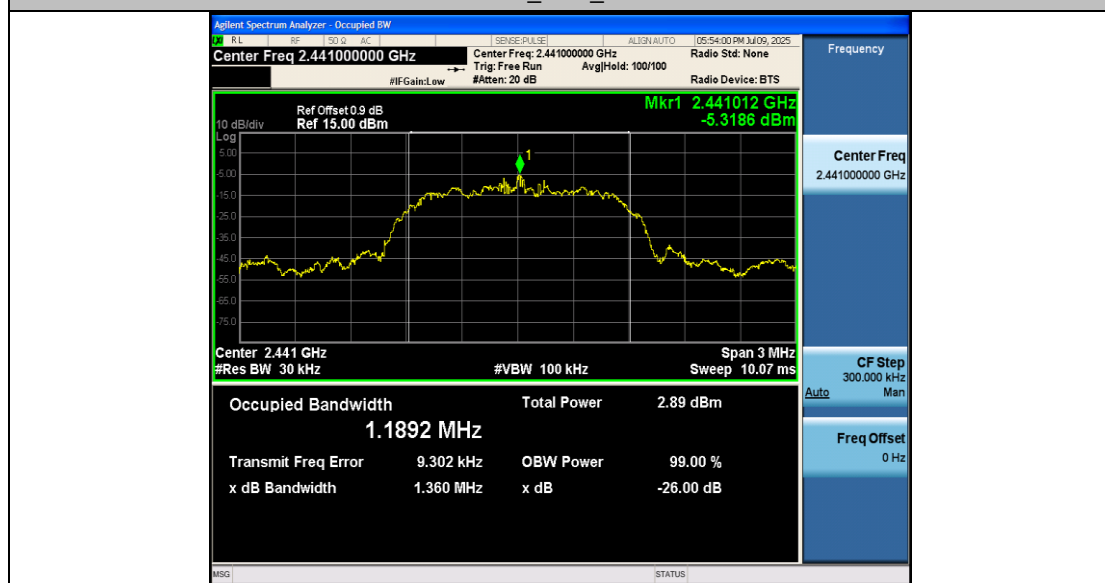




2DH5_Ant1_2402



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	0.41	≤20.97	PASS
		2441	0.16	≤20.97	PASS
		2480	0.09	≤20.97	PASS
2DH5	Ant1	2402	-0.43	≤20.97	PASS
		2441	-0.63	≤20.97	PASS
		2480	-0.73	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.948	PASS
2DH5	Ant1	Hop	1.112	≥ 0.882	PASS

Test Graphs

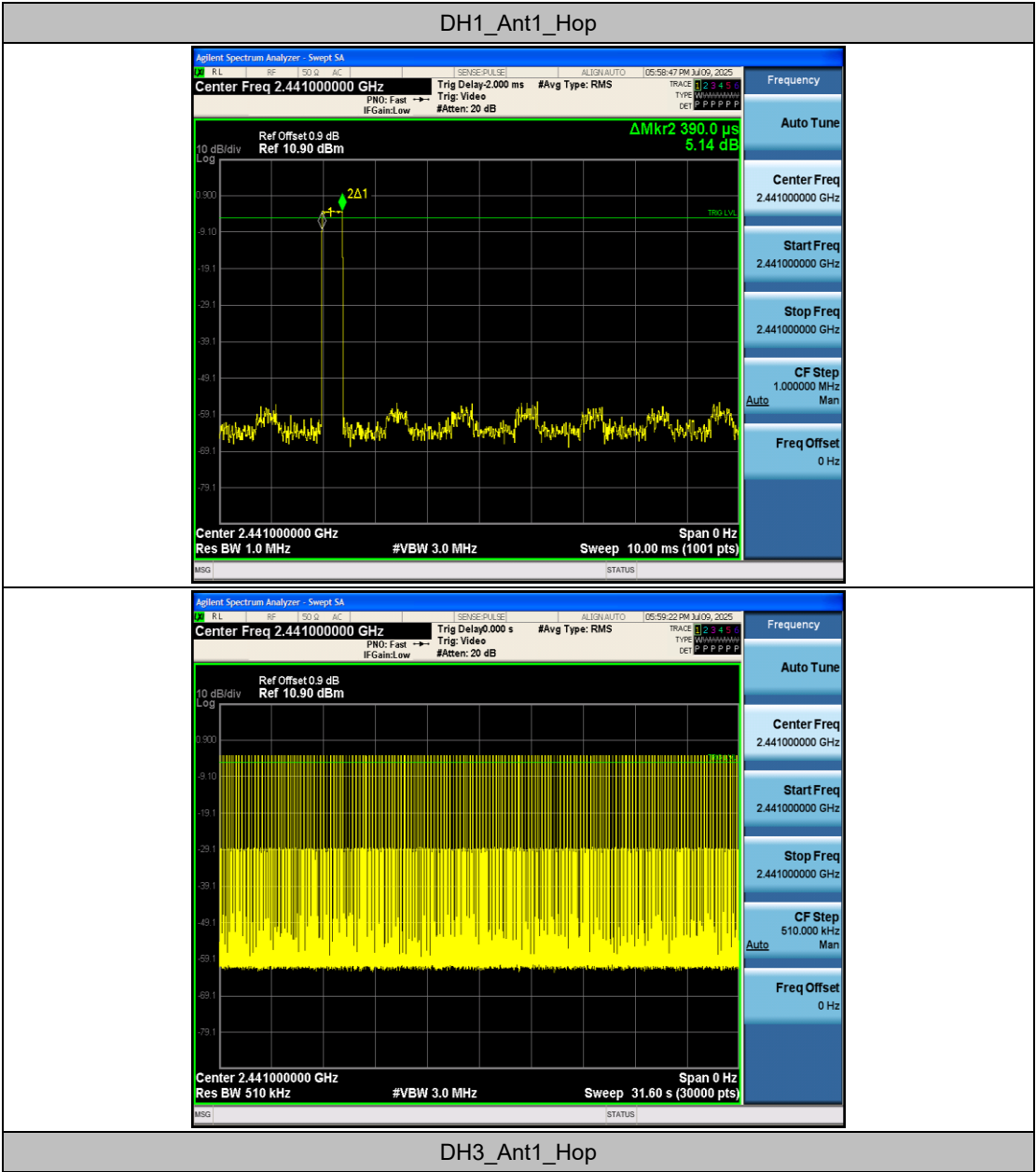


Appendix E: Time of occupancy

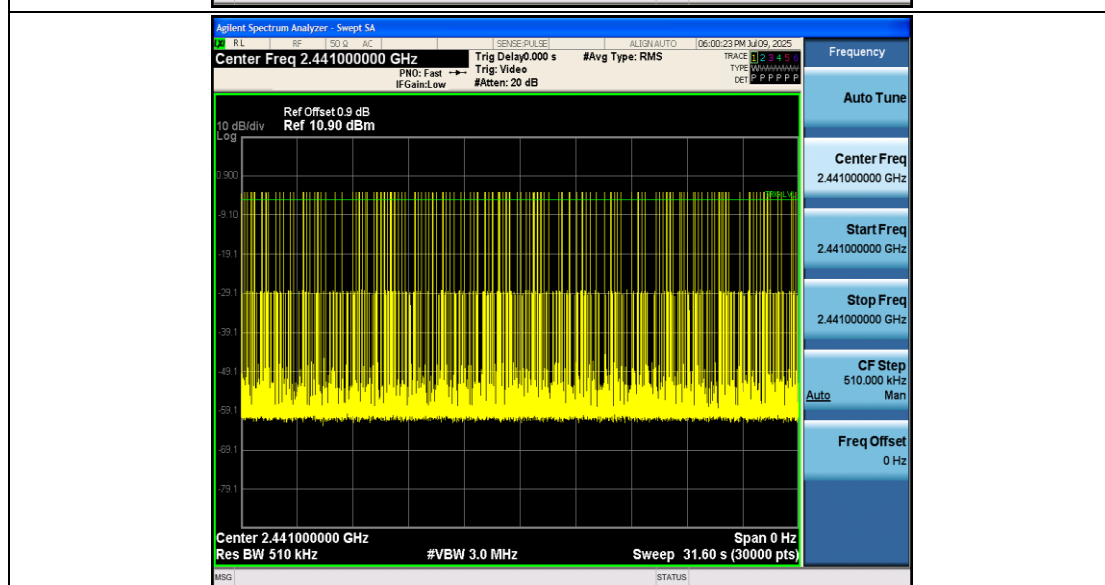
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	152	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.890	111	0.321	≤0.4	PASS
2DH1	Ant1	Hop	0.400	318	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	116	0.336	≤0.4	PASS

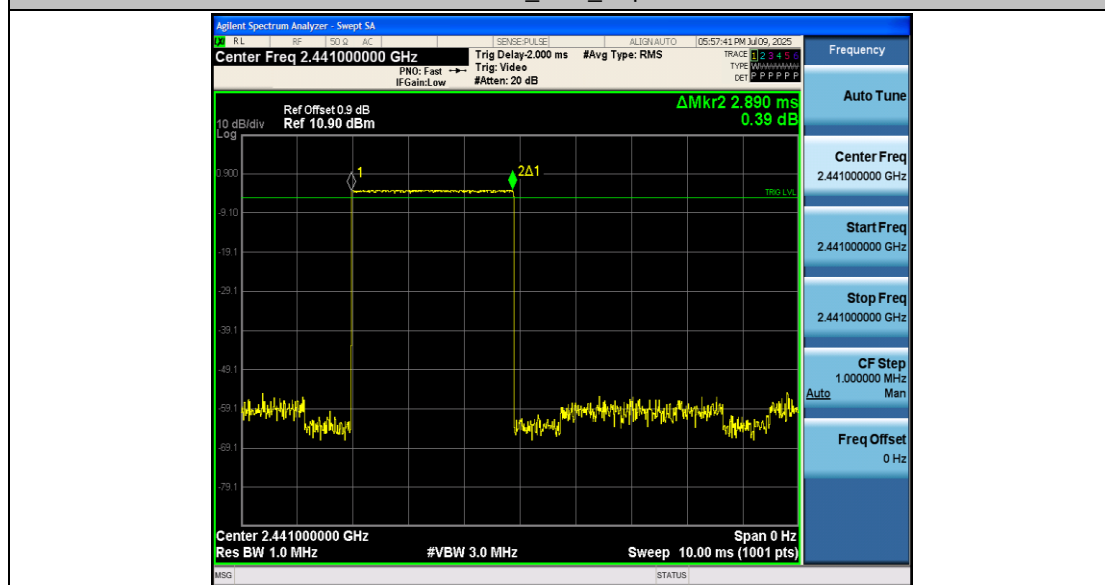
Test Graphs

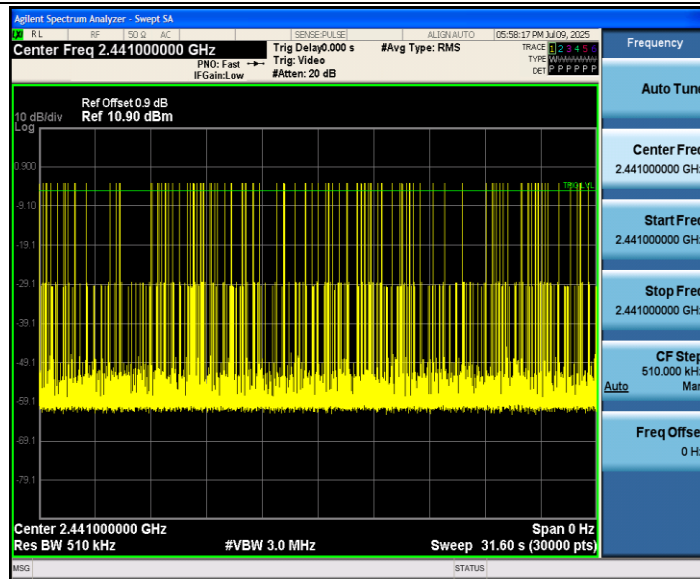


DH3_Ant1_Hop

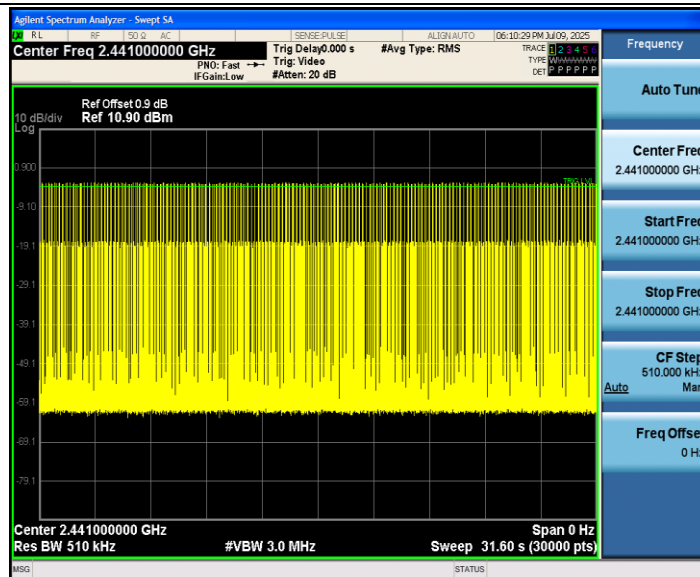
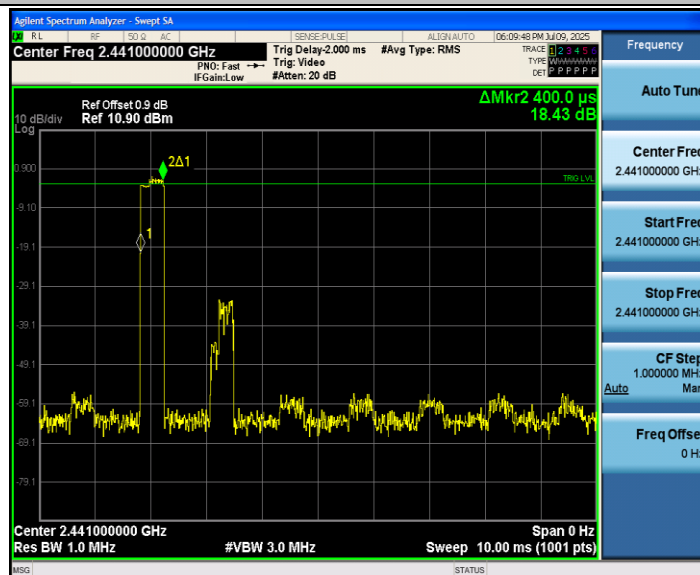


DH5_Ant1_Hop

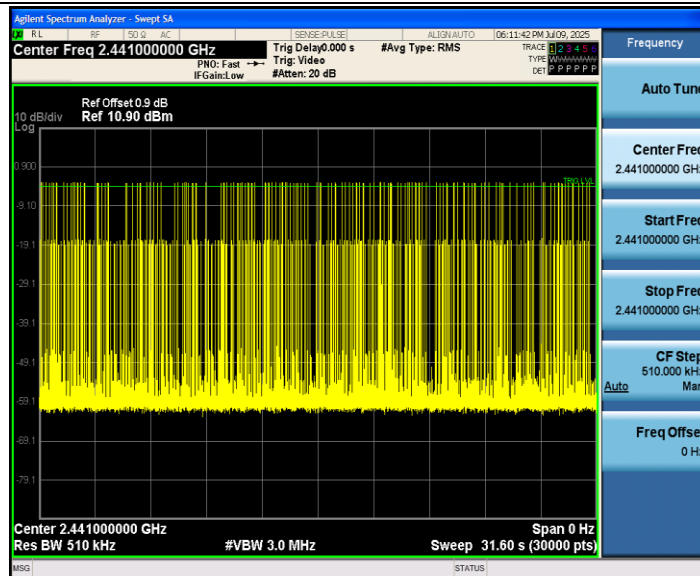




2DH1_Ant1_Hop

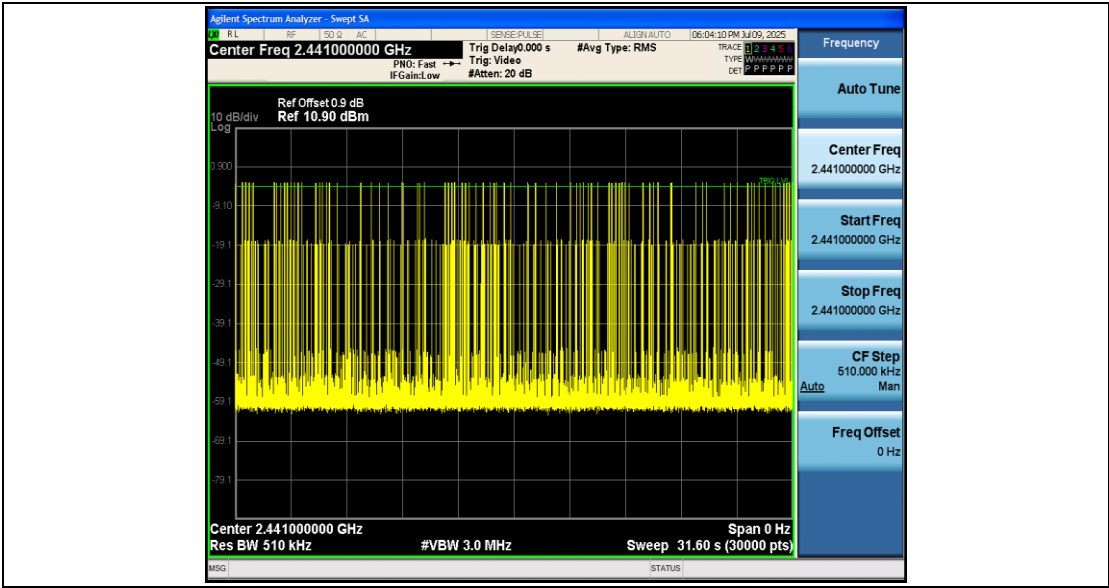


2DH3_Ant1_Hop



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

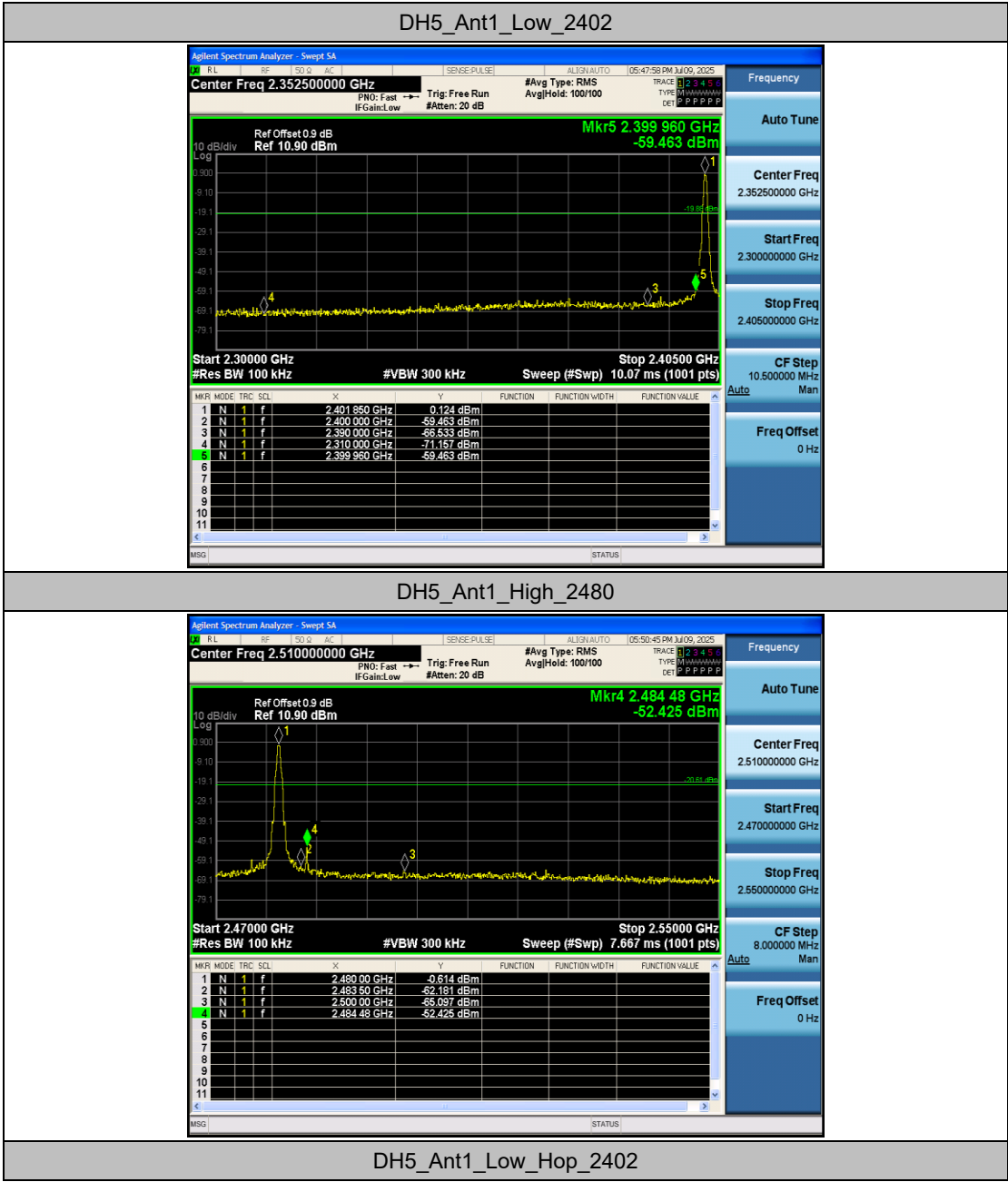


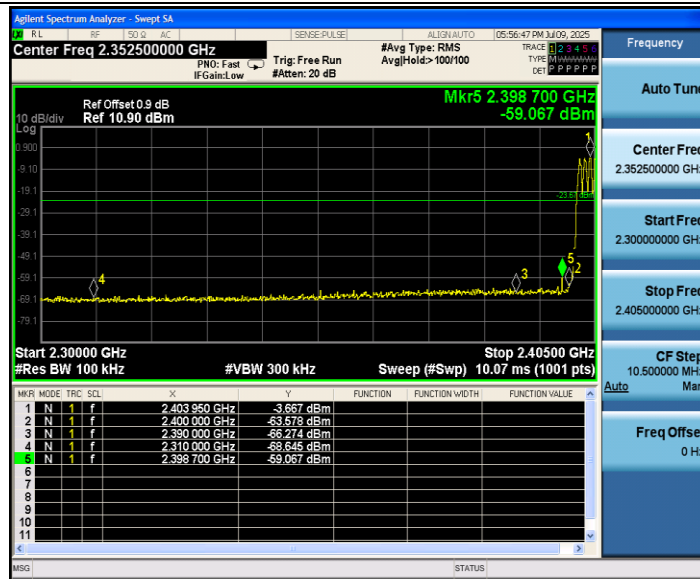
Appendix G: Band edge measurements

Test Result

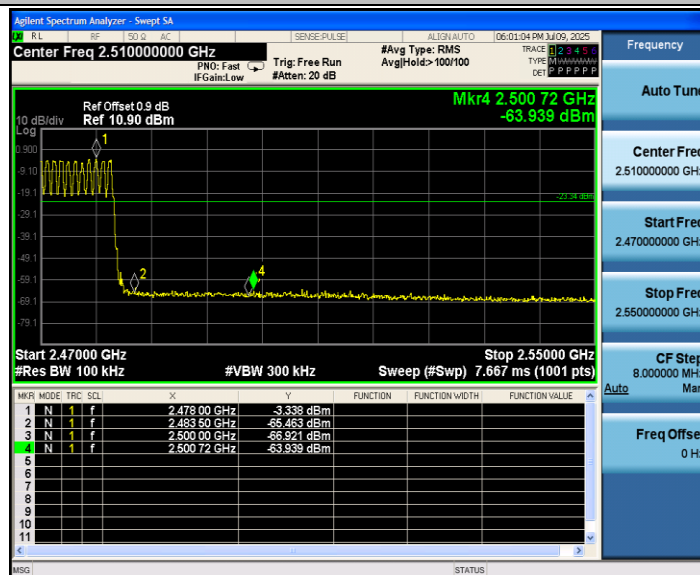
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.12	-59.46	≤-19.88	PASS
		High	2480	-0.61	-52.43	≤-20.61	PASS
		Low	Hop_2402	-3.67	-59.07	≤-23.67	PASS
		High	Hop_2480	-3.34	-63.94	≤-23.34	PASS
2DH5	Ant1	Low	2402	-4.56	-56.46	≤-24.56	PASS
		High	2480	-3.43	-63.93	≤-23.43	PASS
		Low	Hop_2402	-2.99	-60.04	≤-22.99	PASS
		High	Hop_2480	-3.40	-63.39	≤-23.4	PASS

Test Graphs

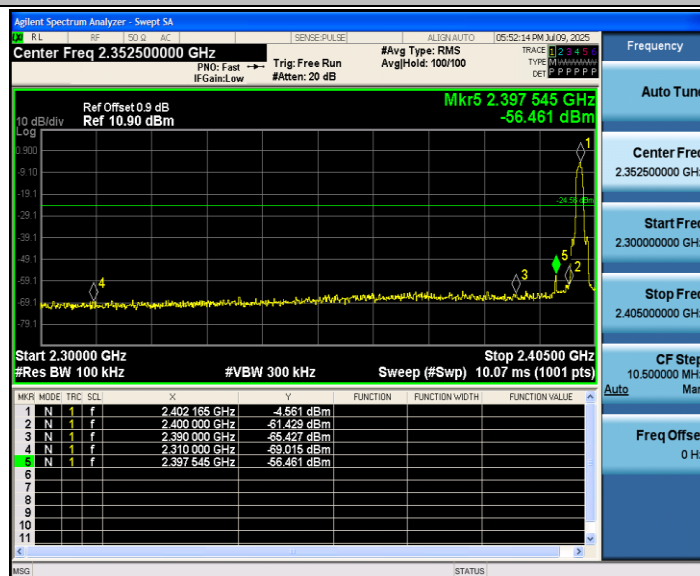




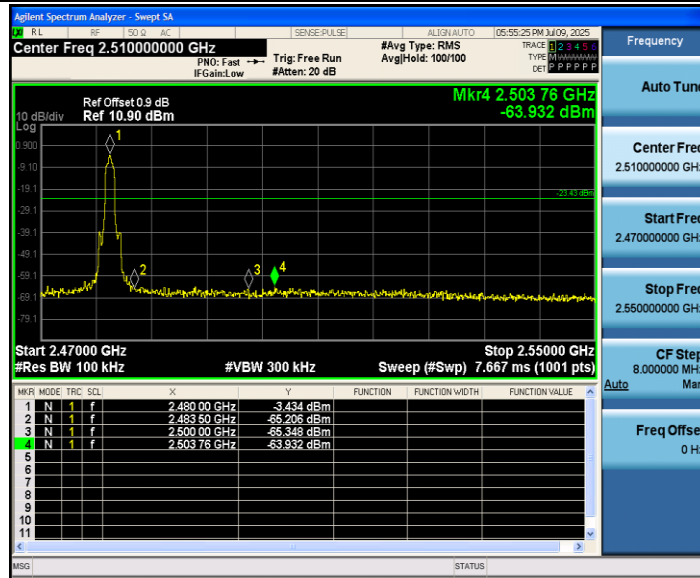
DH5_Ant1_High_Hop_2480



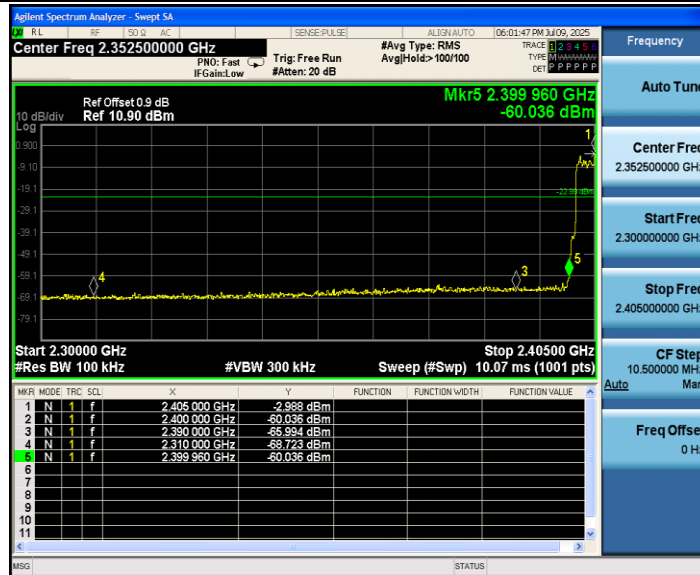
2DH5_Ant1_Low_2402



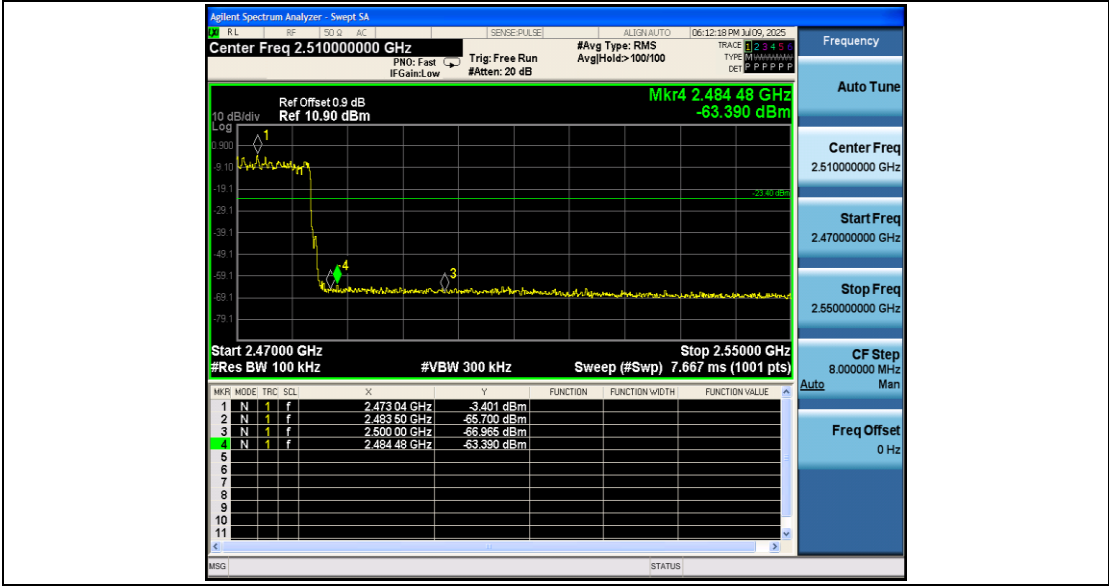
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

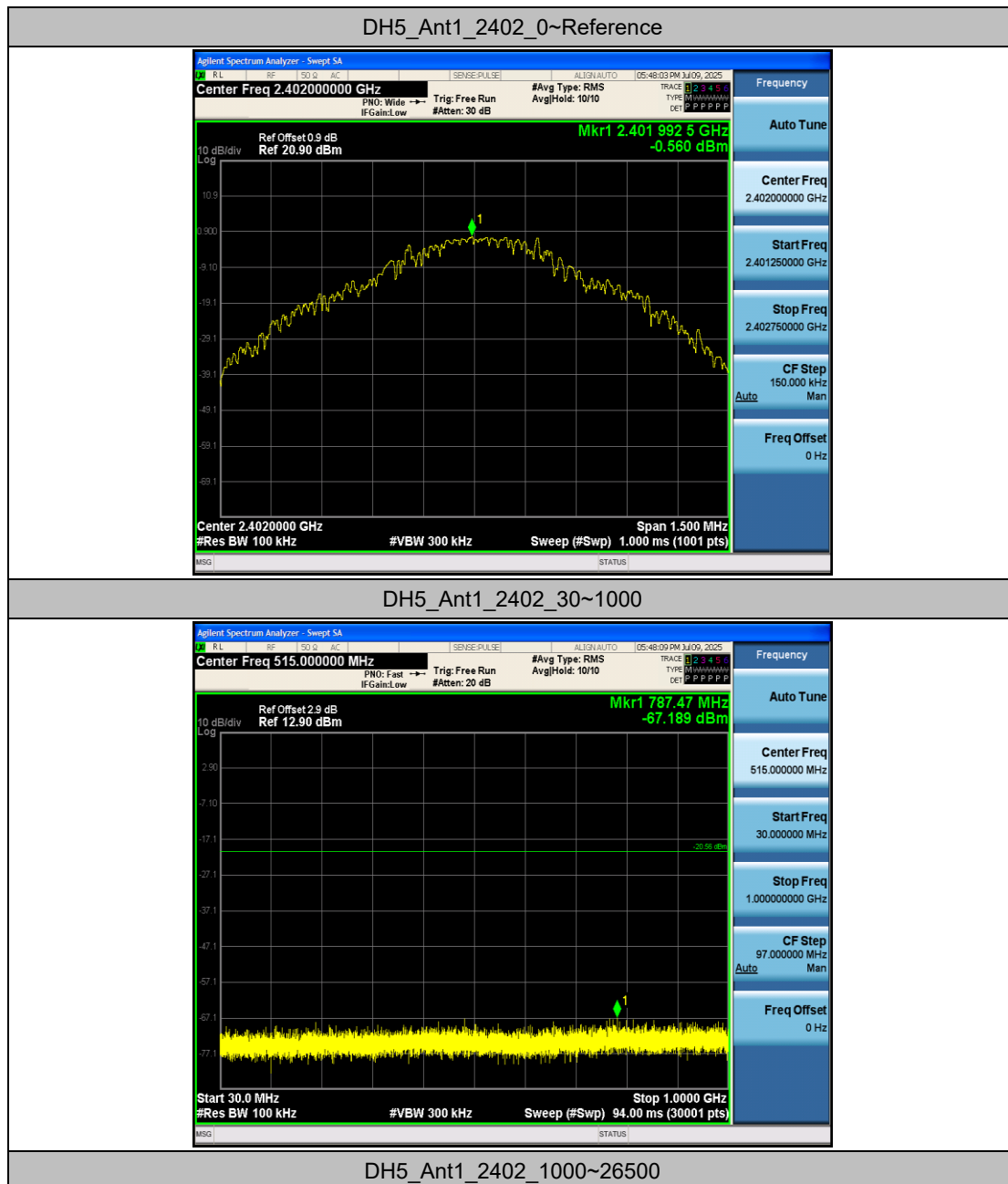


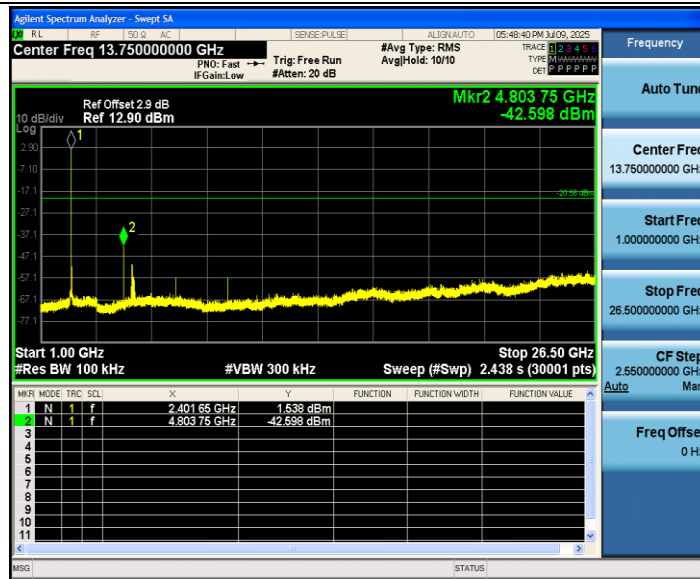
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-67.19	≤-20.56	PASS
			1000~26500	-0.56	-42.6	≤-20.56	PASS
		2441	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-67.6	≤-20.73	PASS
			1000~26500	-0.73	-41.76	≤-20.73	PASS
		2480	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-67.16	≤-19.94	PASS
			1000~26500	0.06	-43.18	≤-19.94	PASS
2DH5	Ant1	2402	Reference	-4.43	-4.43	---	PASS
			30~1000	-4.43	-67.7	≤-24.43	PASS
			1000~26500	-4.43	-46.18	≤-24.43	PASS
		2441	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-67.34	≤-24.86	PASS
			1000~26500	-4.86	-49.22	≤-24.86	PASS
		2480	Reference	-4.93	-4.93	---	PASS
			30~1000	-4.93	-67.36	≤-24.93	PASS
			1000~26500	-4.93	-46.16	≤-24.93	PASS

Test Graphs

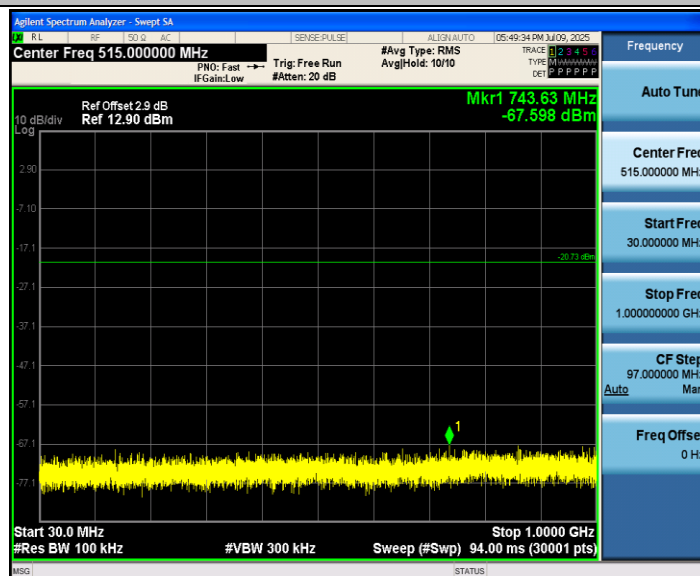




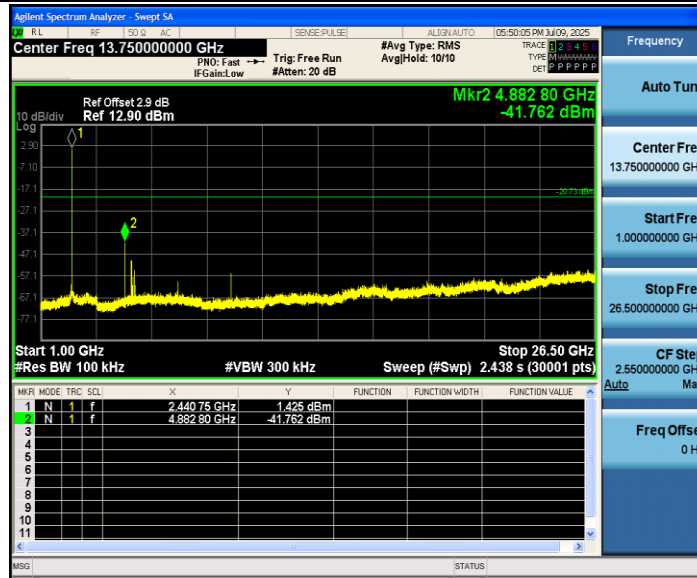
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



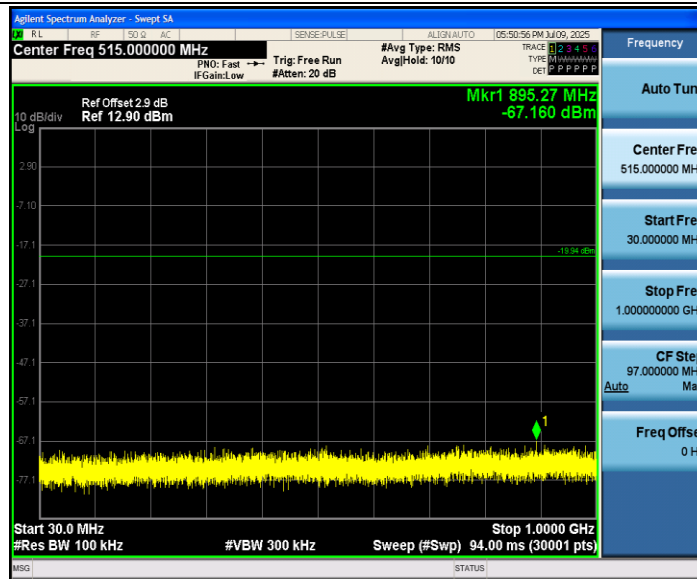
DH5_Ant1_2441_1000~26500



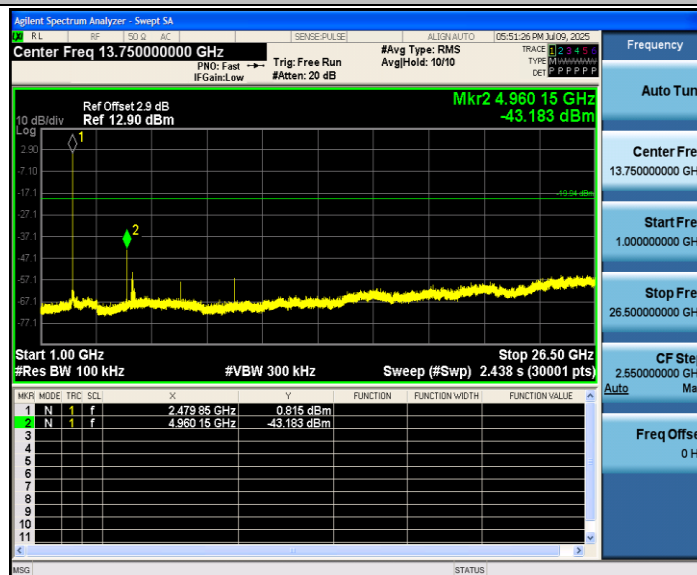
DH5_Ant1_2480_0~Reference



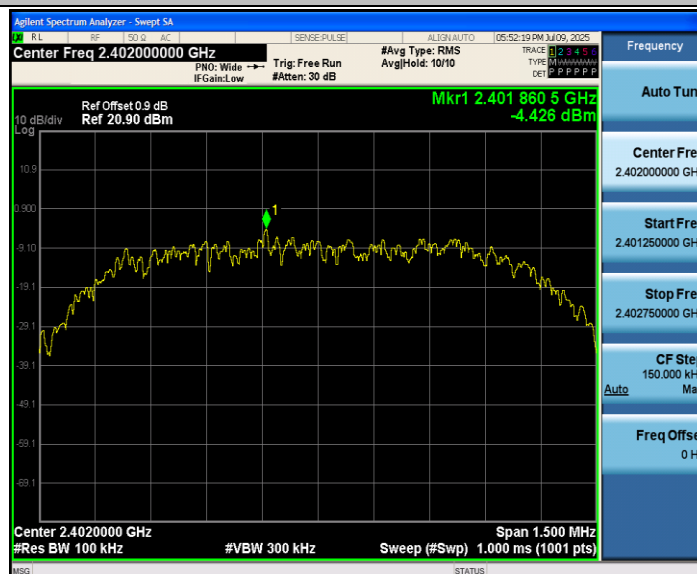
DH5_Ant1_2480_30~1000



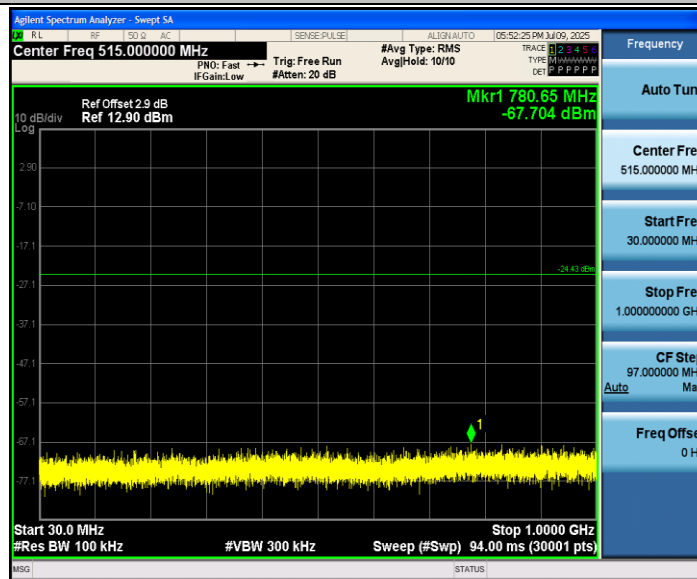
DH5_Ant1_2480_1000~26500



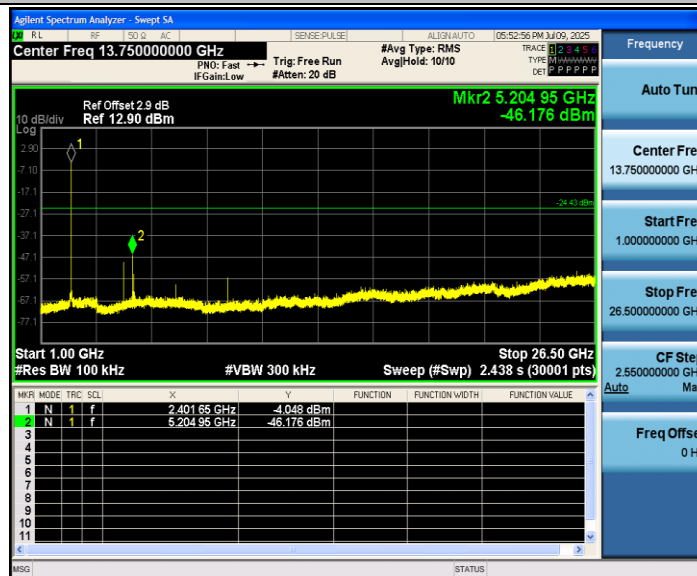
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



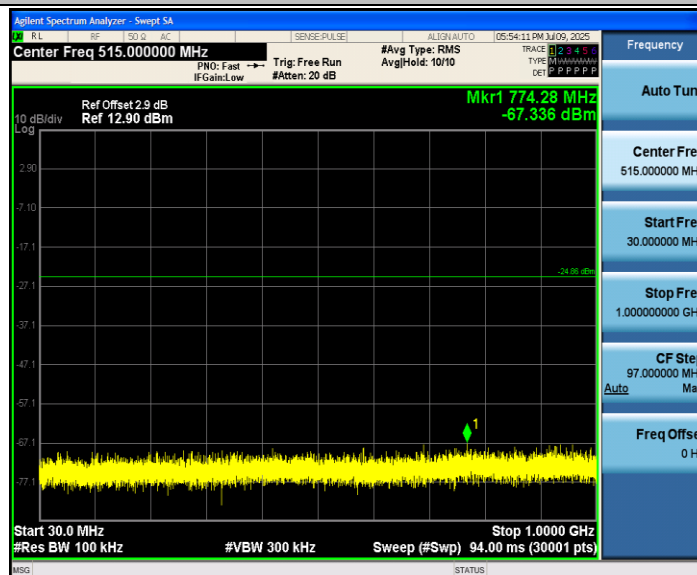
2DH5_Ant1_2402_1000~26500



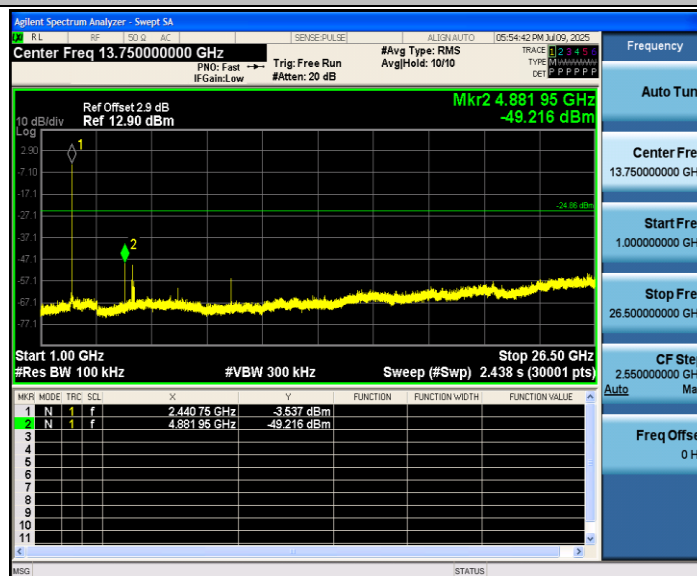
2DH5_Ant1_2441_0~Reference



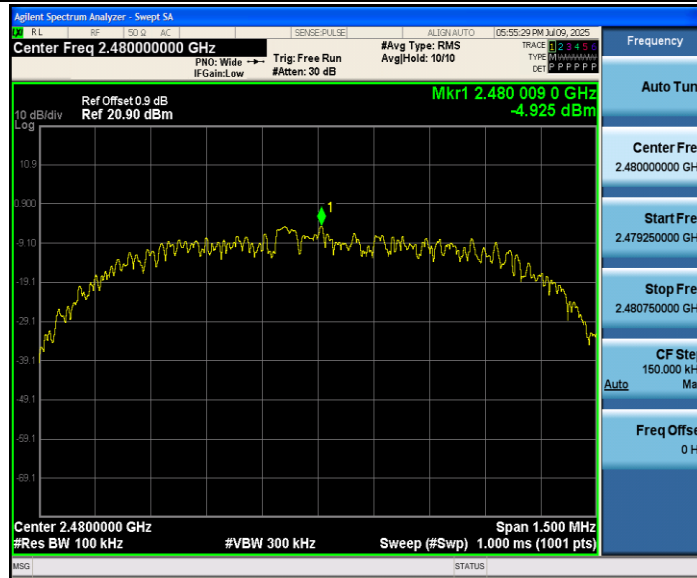
2DH5_Ant1_2441_30~1000



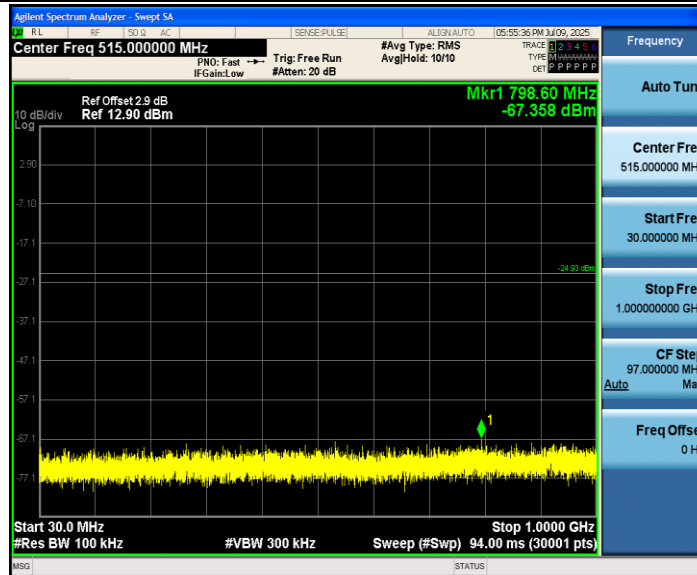
2DH5_Ant1_2441_1000~26500



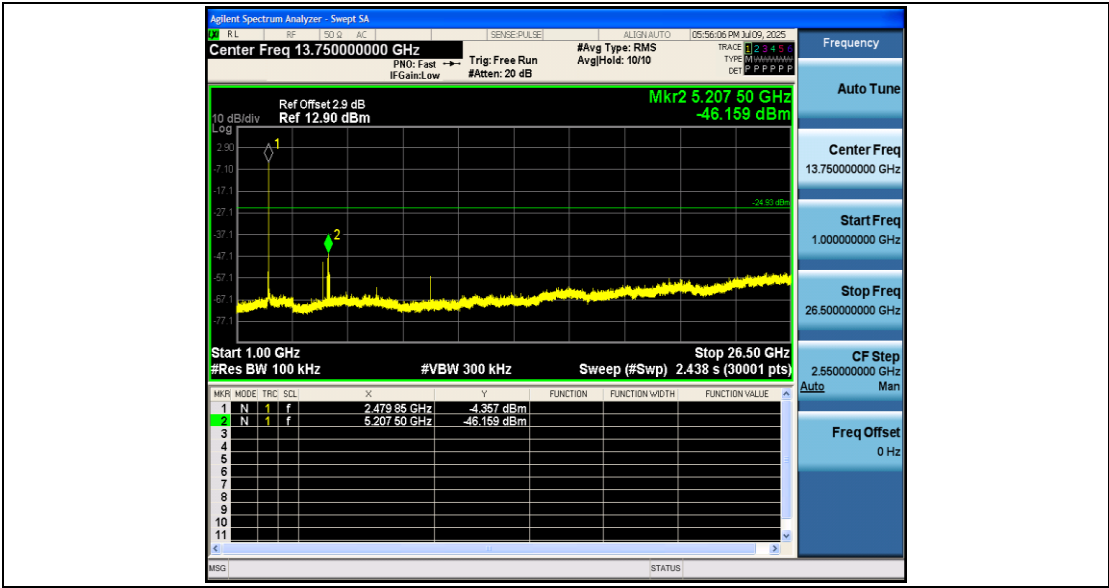
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

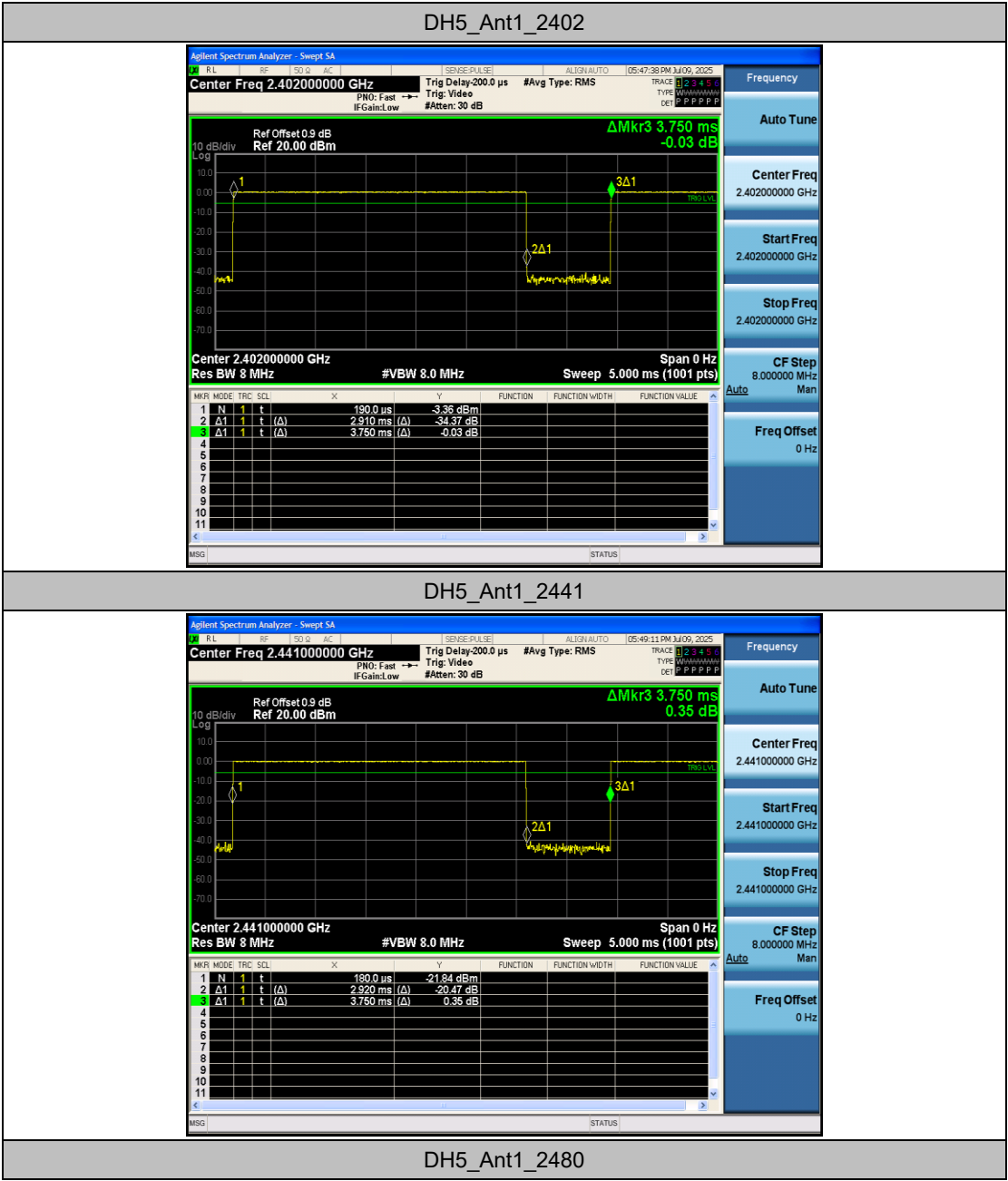


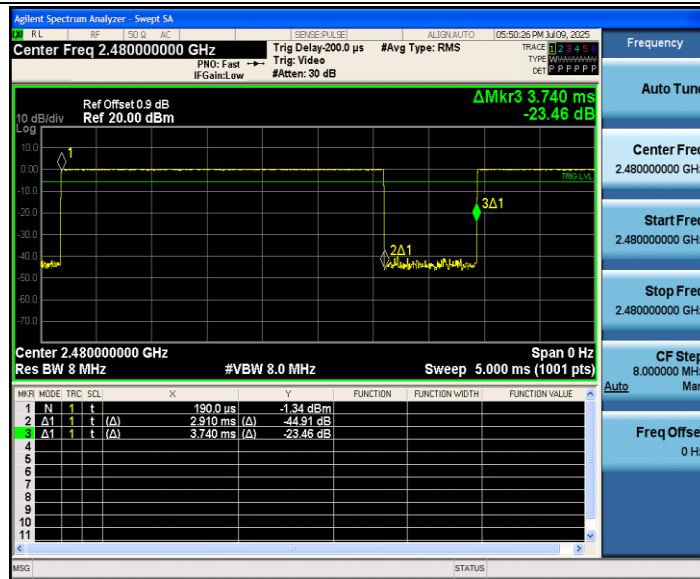
Appendix I: Duty Cycle

Test Result

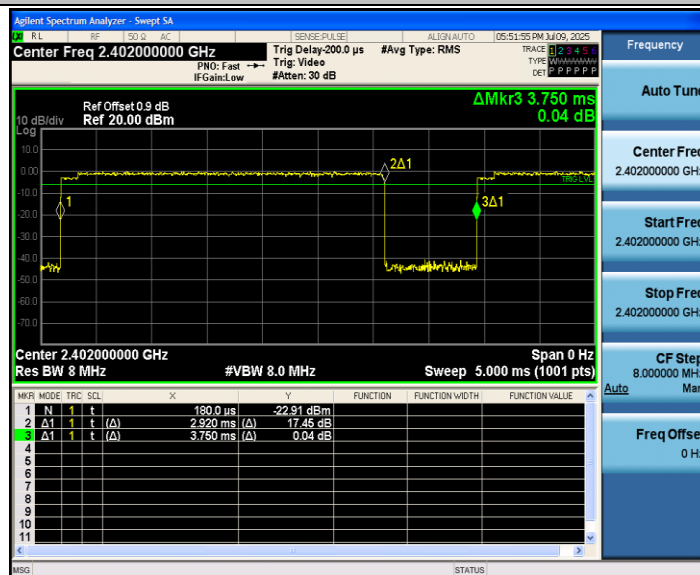
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.91	3.74	77.81	1.09	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.92	3.75	77.87	1.09	---	---

Test Graphs

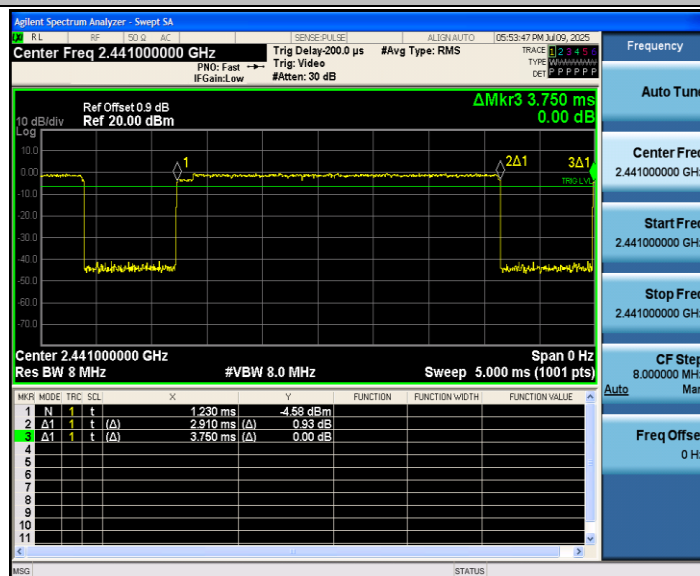




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

