

FCC Appendix RF Test Data for BT

FCC ID : 2BTAC-K264

Company : Xiamen Sitousen Trading Co., LTD

EUT : Bluetooth sports glasses

Model Number : K264

Report No. : CTA25092501901

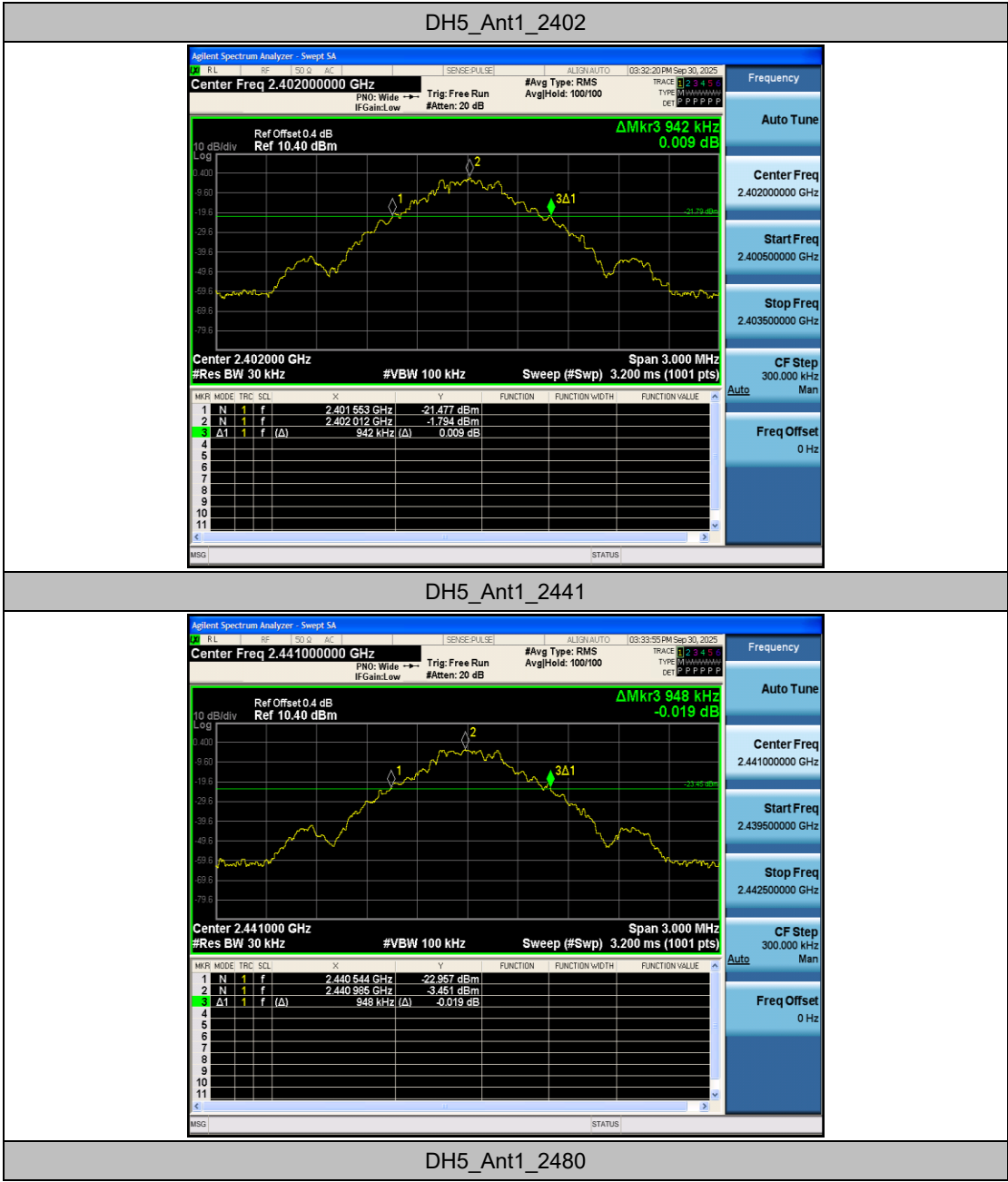
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.553	2402.495	---	---
		2441	0.948	2440.544	2441.492	---	---
		2480	0.954	2479.547	2480.501	---	---
2DH5	Ant1	2402	1.305	2401.361	2402.666	---	---
		2441	1.281	2440.382	2441.663	---	---
		2480	1.284	2479.379	2480.663	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

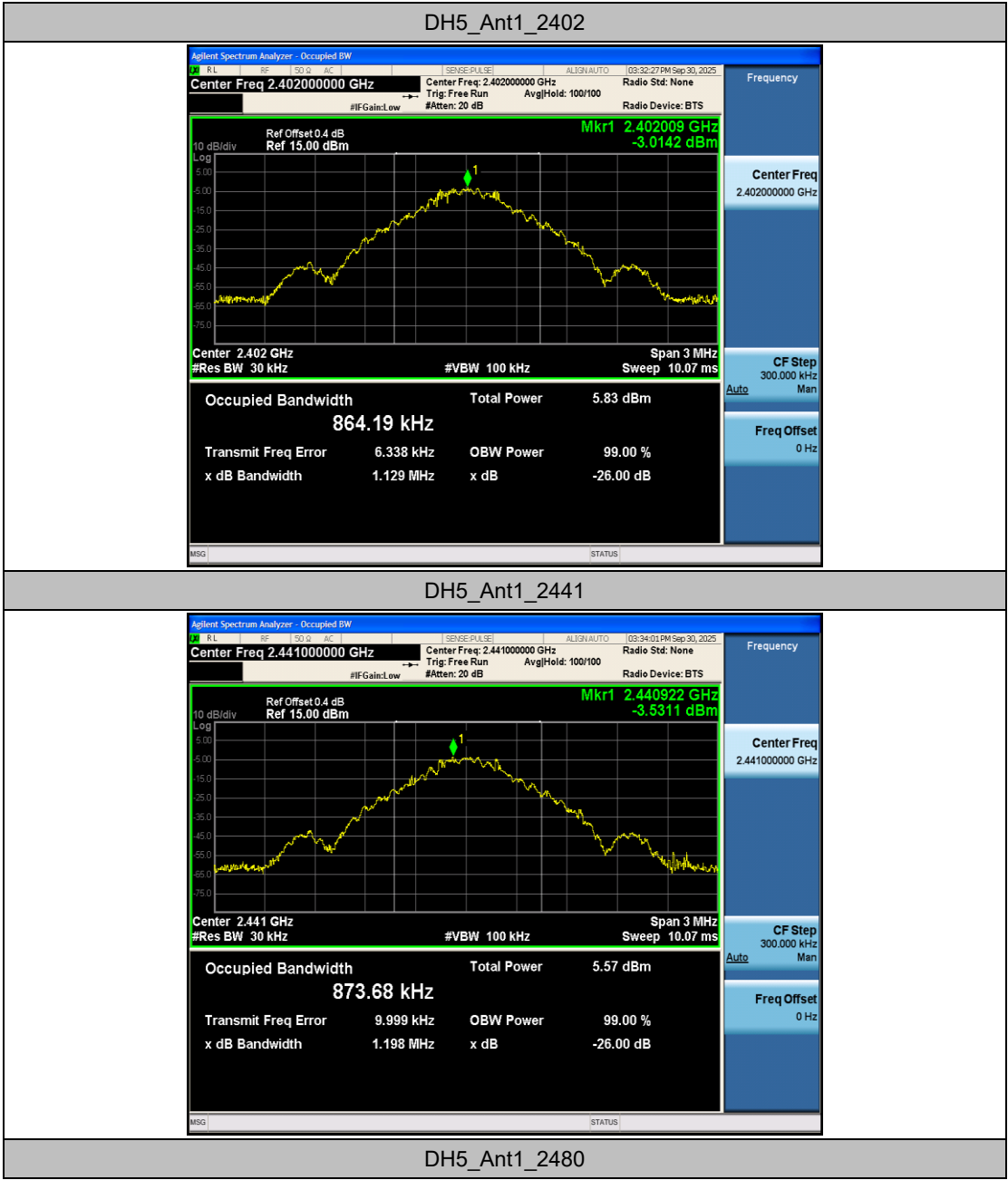


Appendix B: Occupied Channel Bandwidth

Test Result

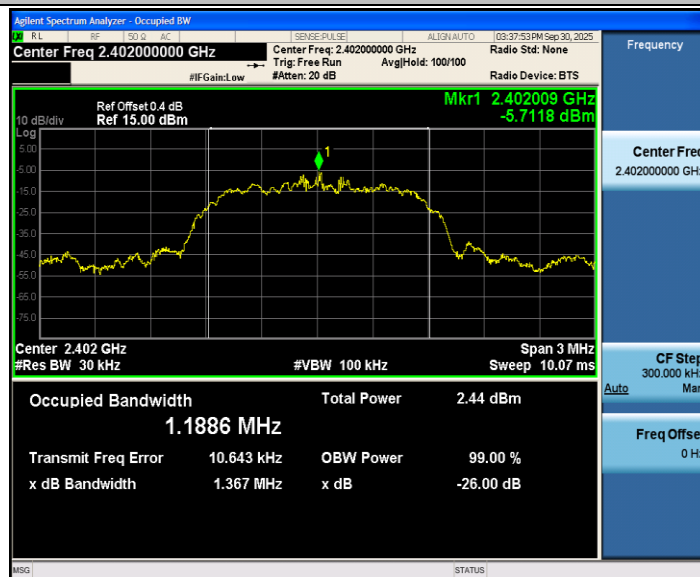
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86419	2401.5742	2402.4384	---	---
		2441	0.87368	2440.5732	2441.4468	---	---
		2480	0.86805	2479.5741	2480.4421	---	---
2DH5	Ant1	2402	1.1886	2401.4163	2402.6049	---	---
		2441	1.1846	2440.4175	2441.6021	---	---
		2480	1.1884	2479.4182	2480.6066	---	---

Test Graphs





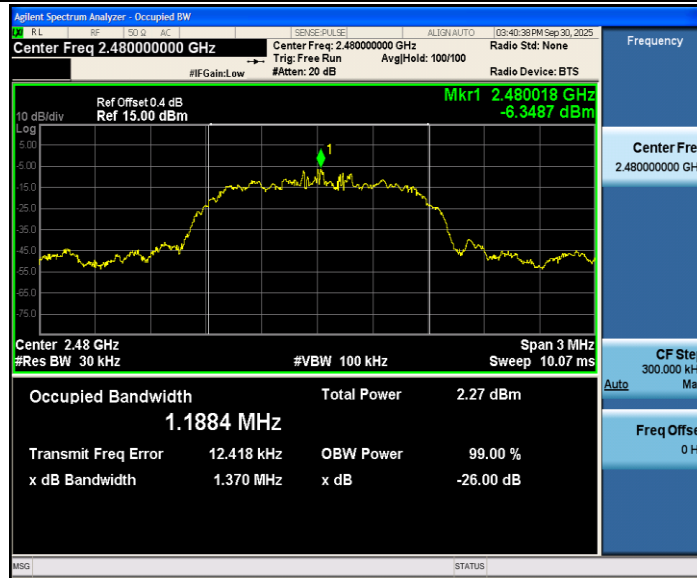
2DH5_Ant1_2402



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	-0.17	≤20.97	PASS
		2441	-0.32	≤20.97	PASS
		2480	-0.41	≤20.97	PASS
2DH5	Ant1	2402	-0.96	≤20.97	PASS
		2441	-1.13	≤20.97	PASS
		2480	-1.21	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.954	PASS
2DH5	Ant1	Hop	1.204	≥ 0.870	PASS

Test Graphs

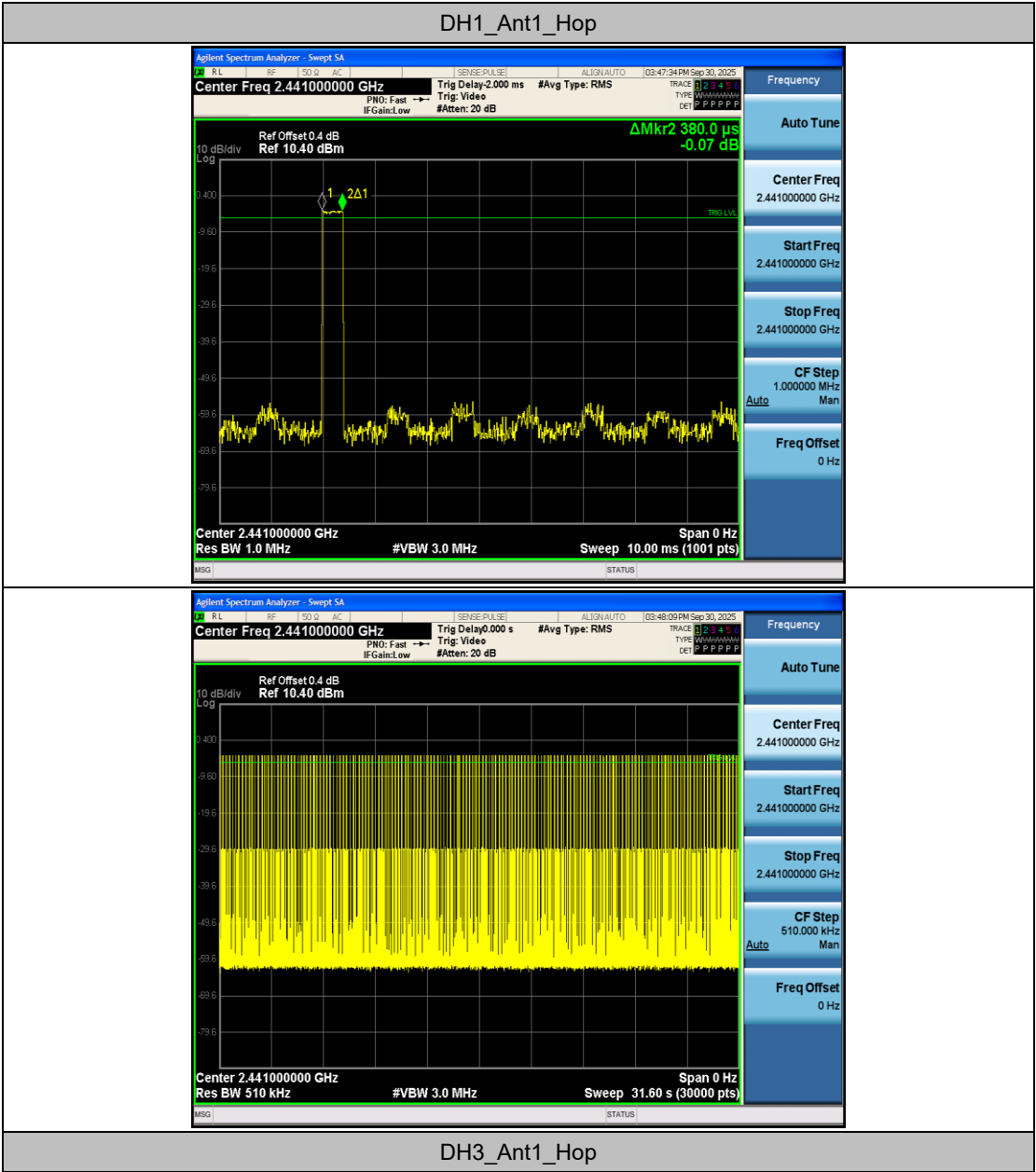


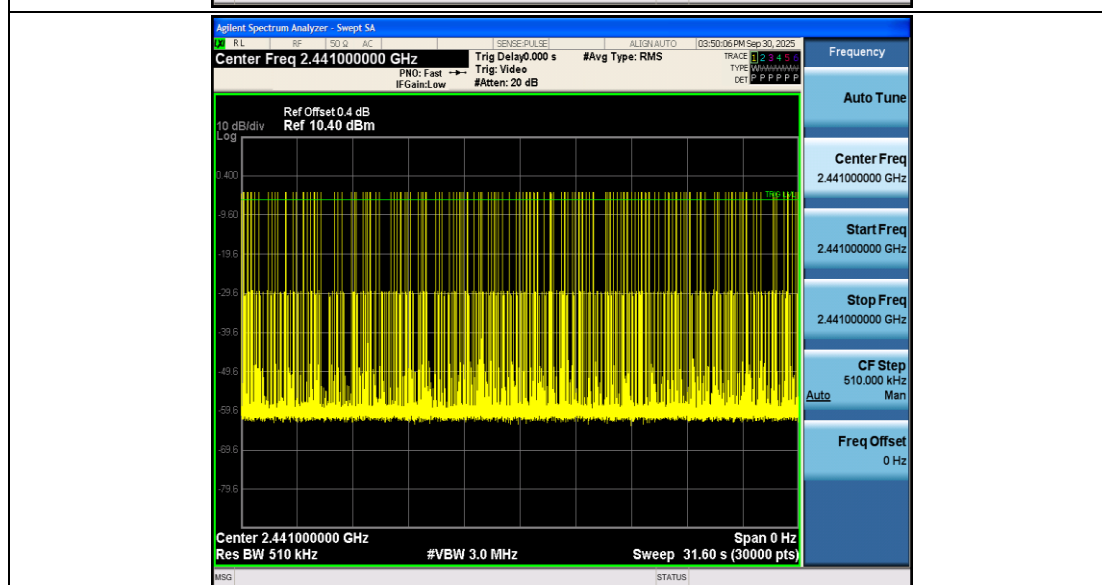
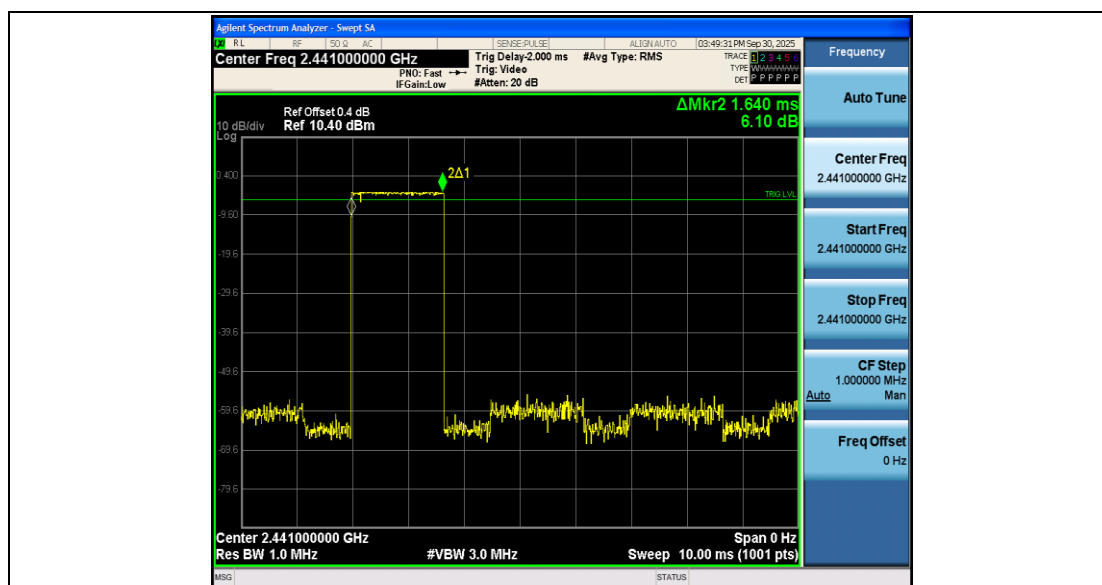
Appendix E: Time of occupancy

Test Result

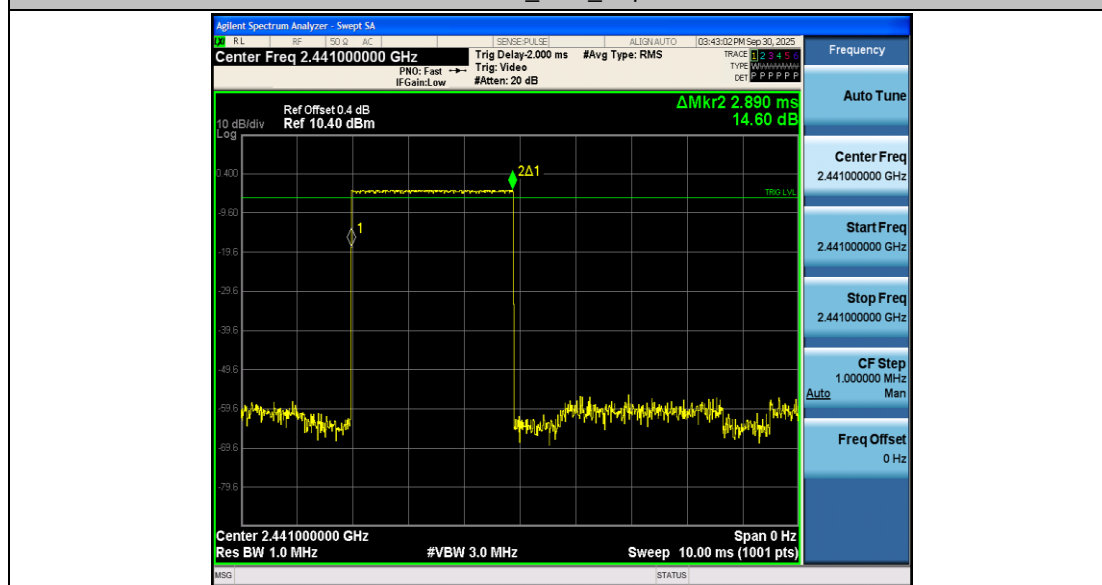
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.890	103	0.298	≤0.4	PASS
2DH1	Ant1	Hop	0.390	312	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.640	158	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.900	111	0.322	≤0.4	PASS

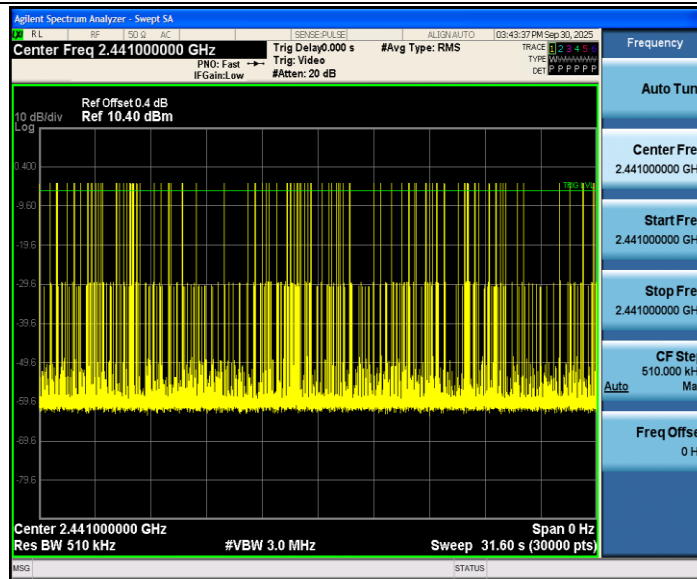
Test Graphs



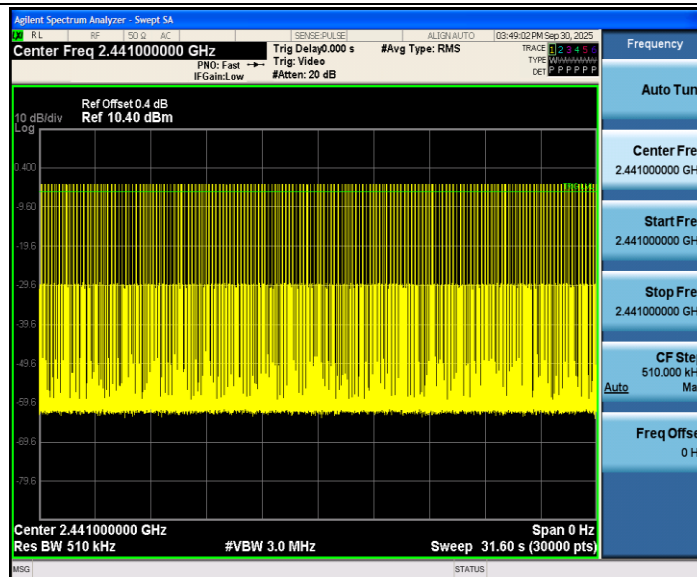
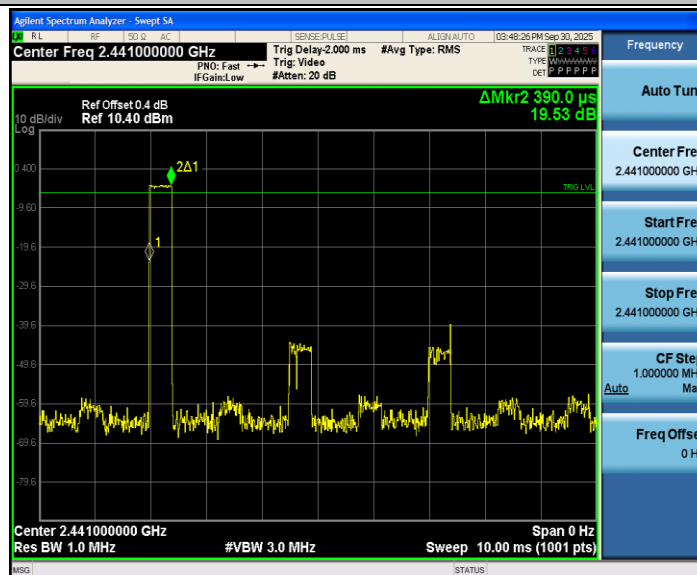


DH5_Ant1_Hop

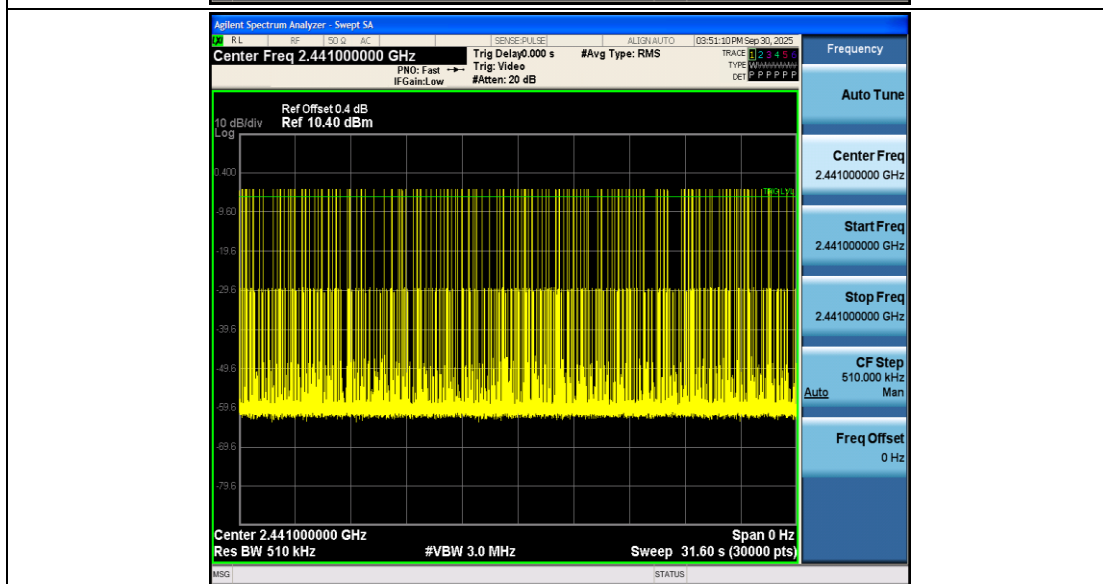




2DH1_Ant1_Hop

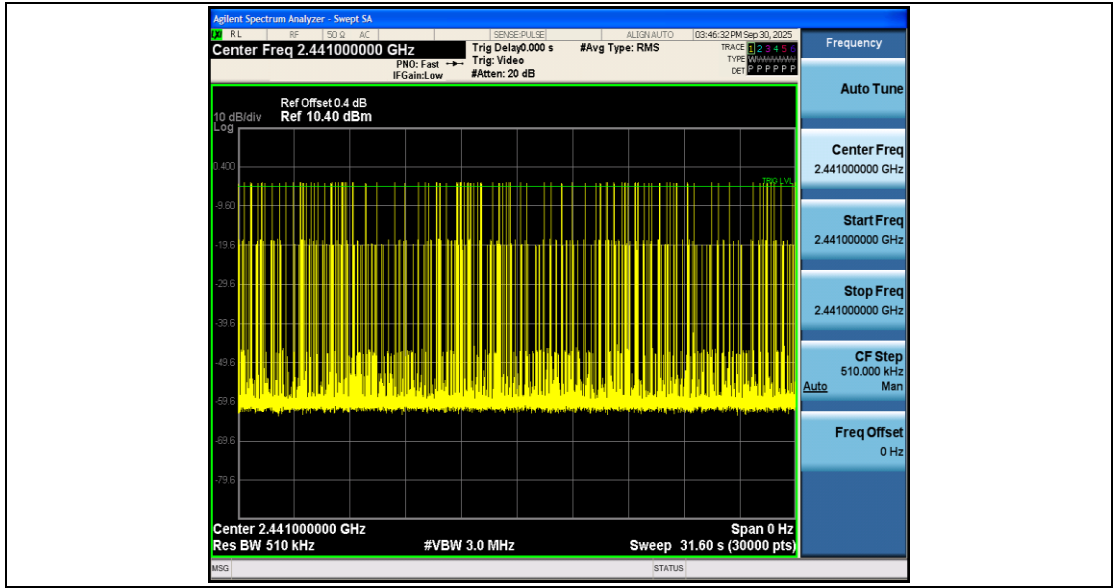


2DH3_Ant1_Hop



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

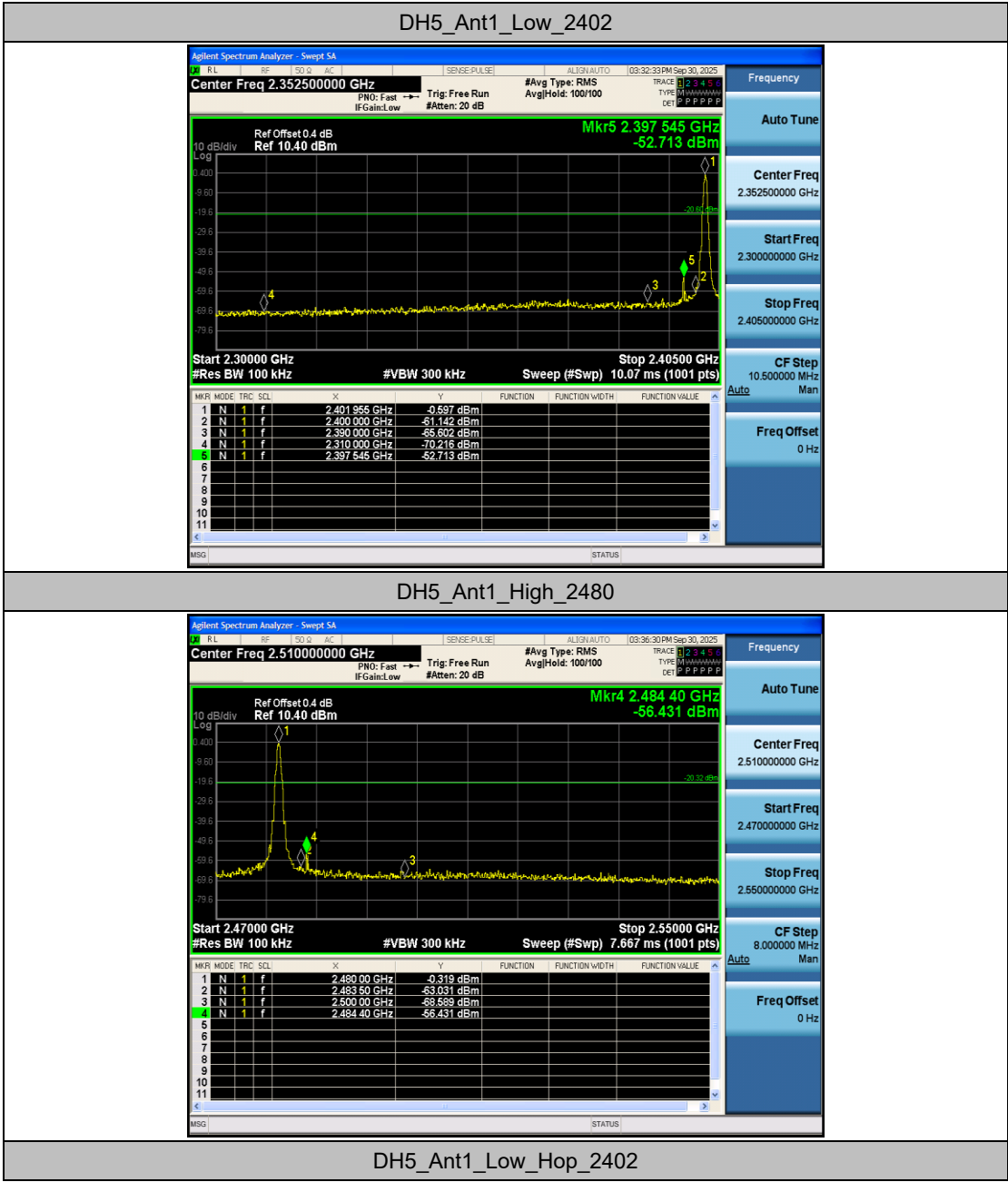


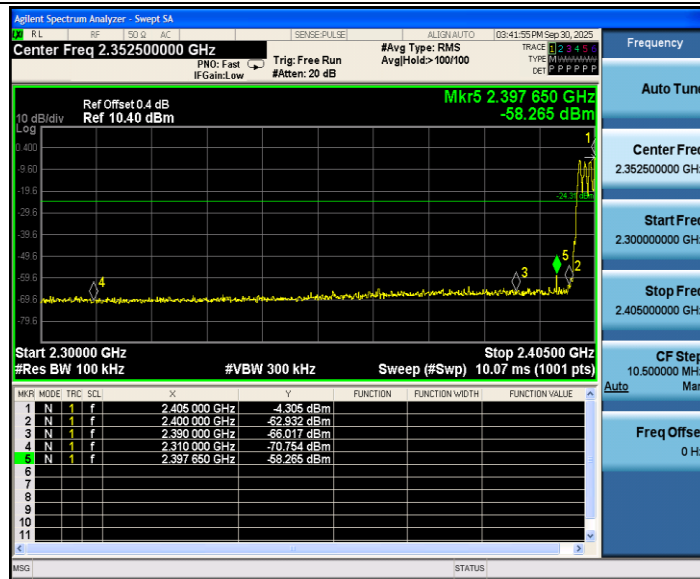
Appendix G: Band edge measurements

Test Result

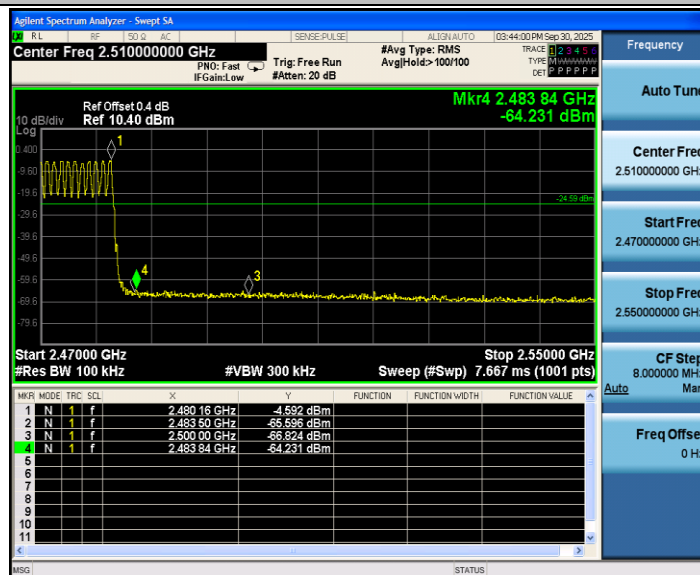
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.60	-52.71	≤-20.6	PASS
		High	2480	-0.32	-56.43	≤-20.32	PASS
		Low	Hop_2402	-4.31	-58.27	≤-24.31	PASS
		High	Hop_2480	-4.59	-64.23	≤-24.59	PASS
2DH5	Ant1	Low	2402	-4.33	-61.15	≤-24.33	PASS
		High	2480	-5.84	-63.11	≤-25.84	PASS
		Low	Hop_2402	-3.85	-60.23	≤-23.85	PASS
		High	Hop_2480	-6.82	-62.88	≤-26.82	PASS

Test Graphs

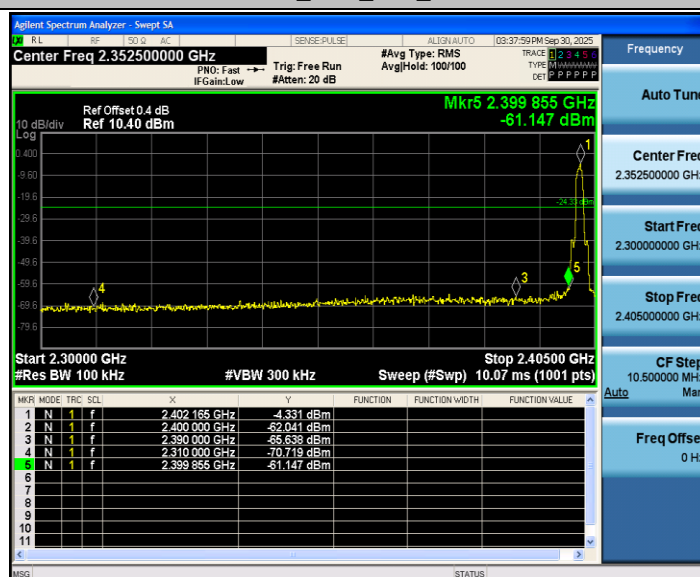




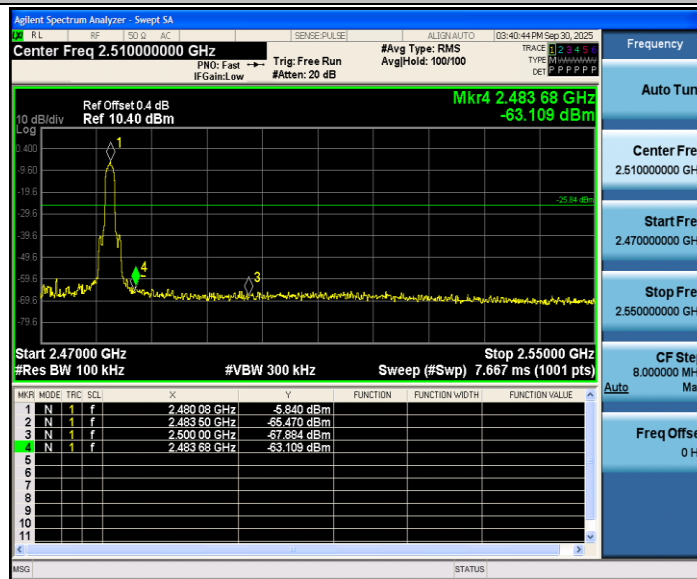
DH5_Ant1_High_Hop_2480



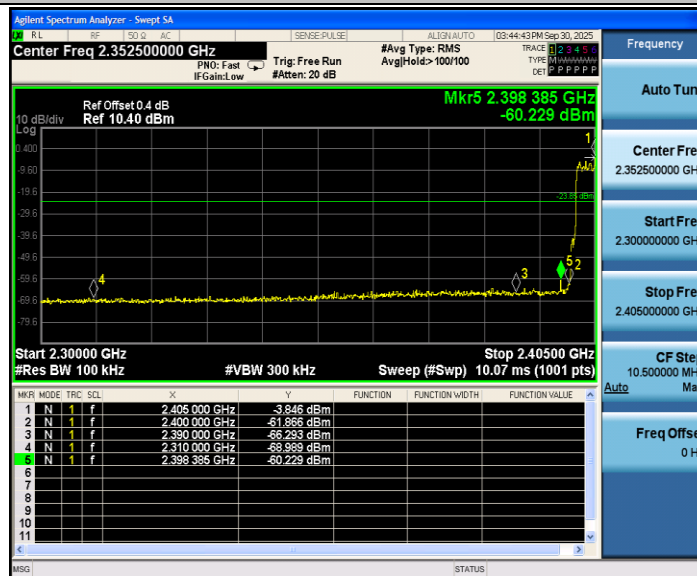
2DH5_Ant1_Low_2402



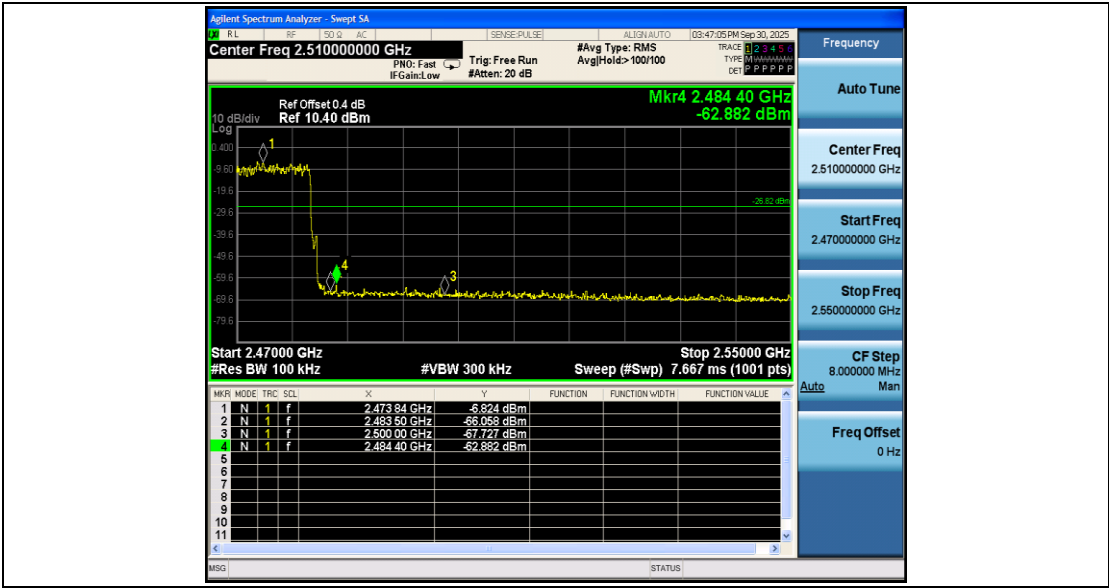
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

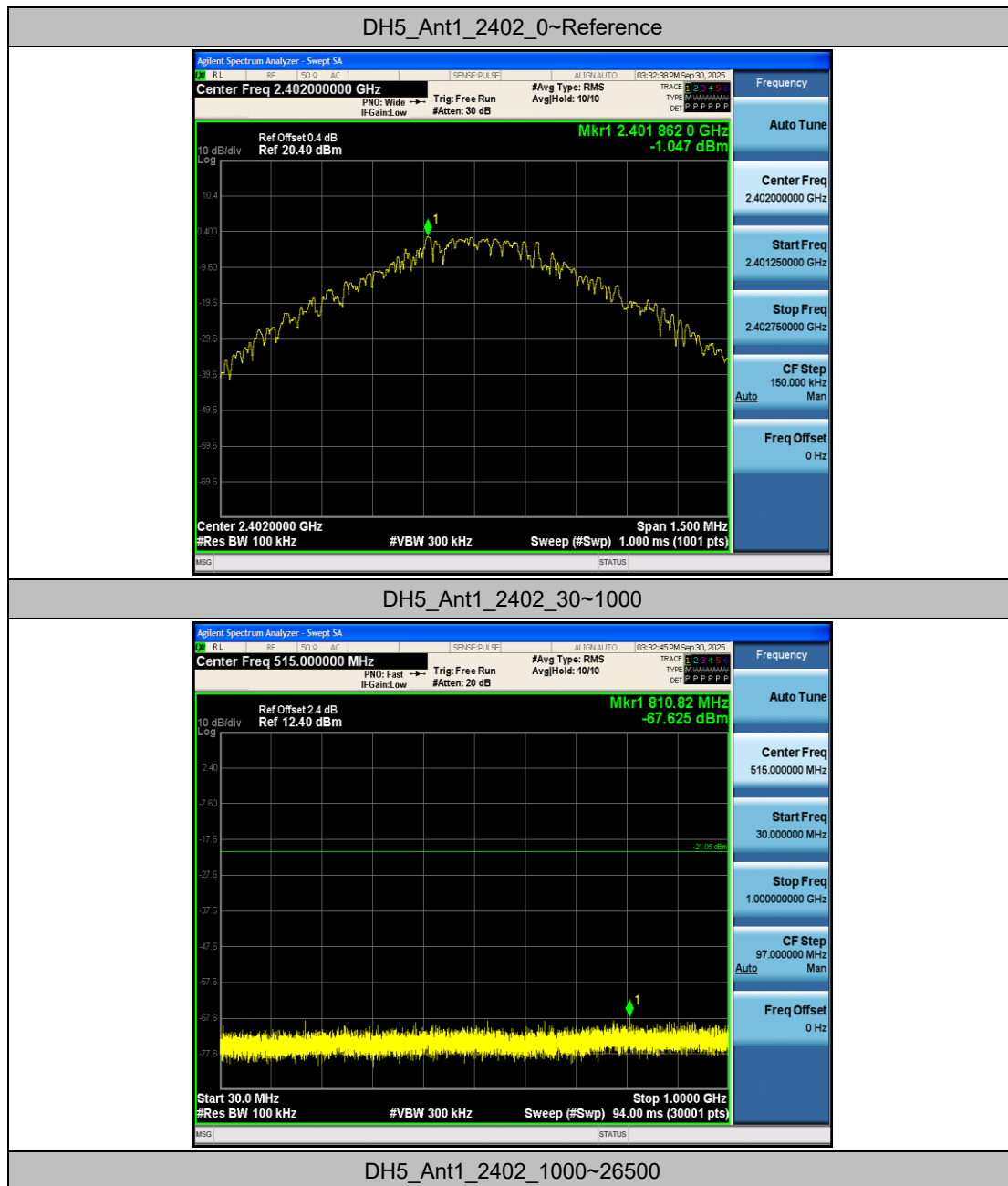


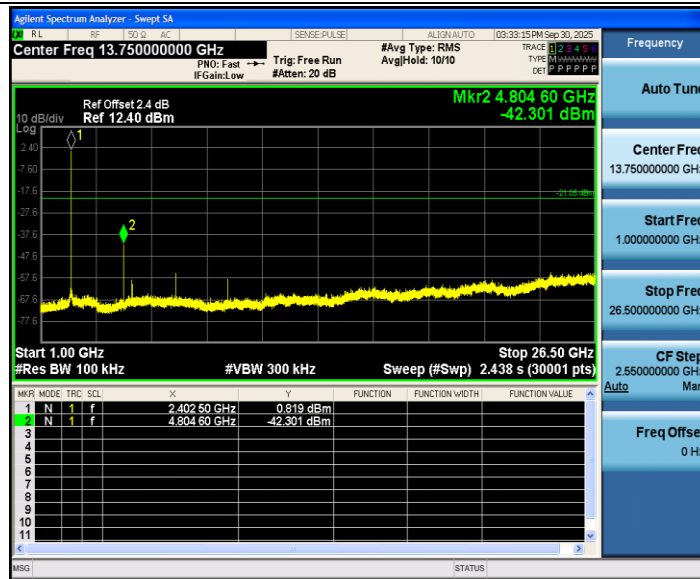
Appendix H: Conducted Spurious Emission

Test Result

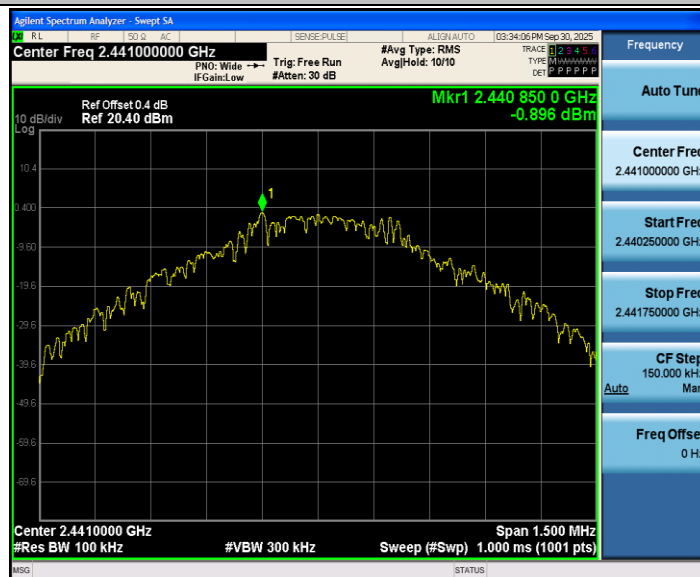
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-67.63	≤-21.05	PASS
			1000~26500	-1.05	-42.3	≤-21.05	PASS
		2441	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-67.82	≤-20.9	PASS
			1000~26500	-0.90	-43.72	≤-20.9	PASS
		2480	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-67.75	≤-21.57	PASS
			1000~26500	-1.57	-44.69	≤-21.57	PASS
2DH5	Ant1	2402	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-67.92	≤-23.7	PASS
			1000~26500	-3.70	-49.51	≤-23.7	PASS
		2441	Reference	-6.19	-6.19	---	PASS
			30~1000	-6.19	-68.29	≤-26.19	PASS
			1000~26500	-6.19	-50.9	≤-26.19	PASS
		2480	Reference	-6.63	-6.63	---	PASS
			30~1000	-6.63	-50.31	≤-26.63	PASS
			1000~26500	-6.63	-48.97	≤-26.63	PASS

Test Graphs

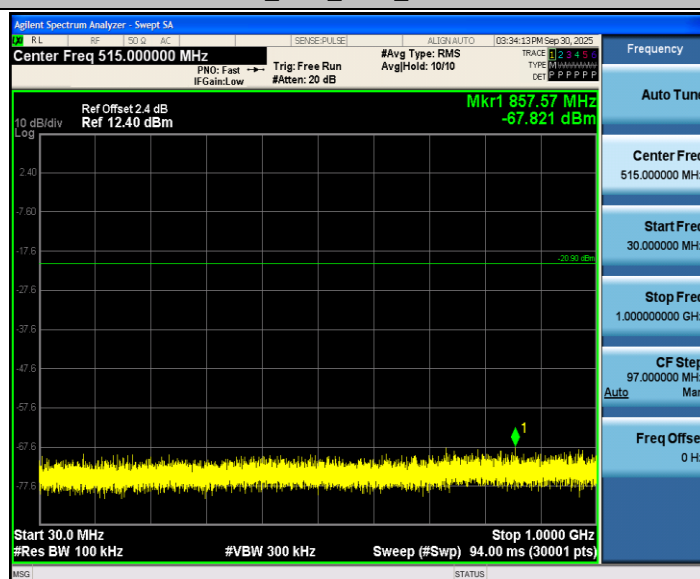




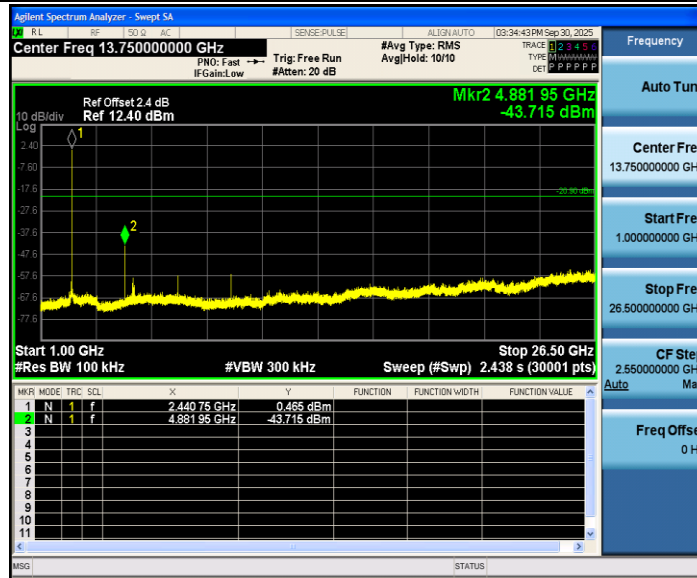
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



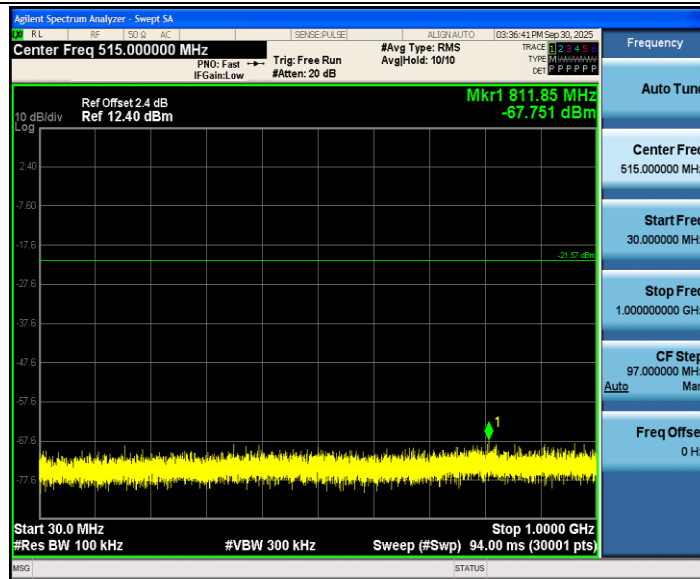
DH5_Ant1_2441_1000~26500



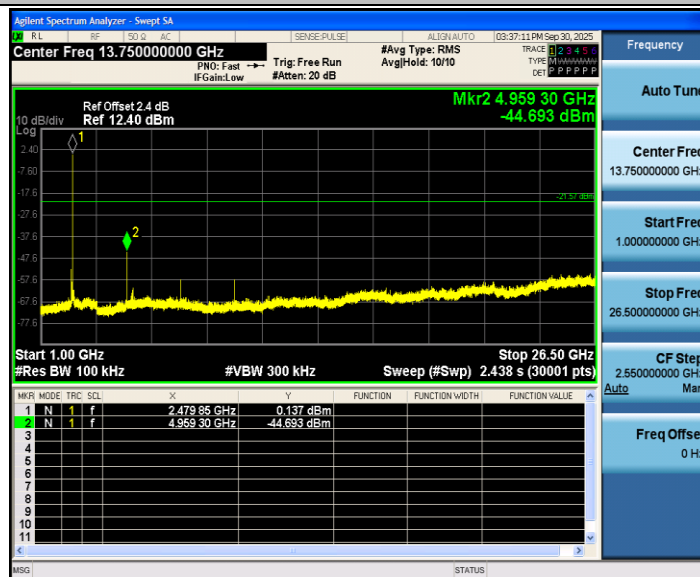
DH5_Ant1_2480_0~Reference



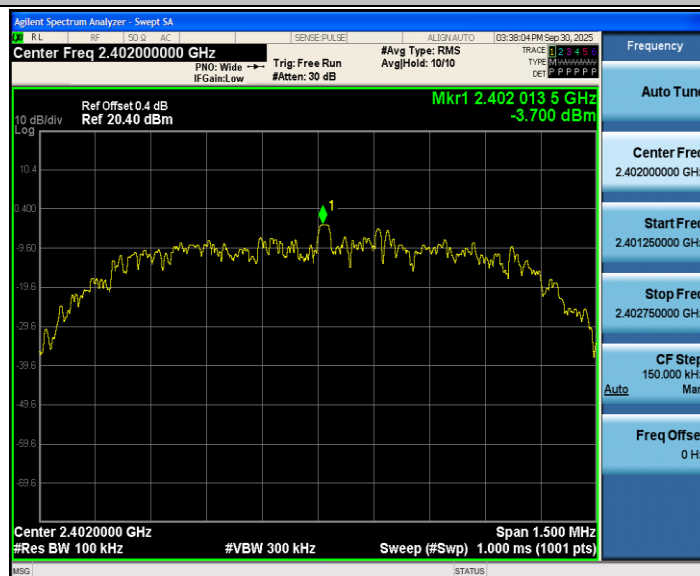
DH5_Ant1_2480_30~1000



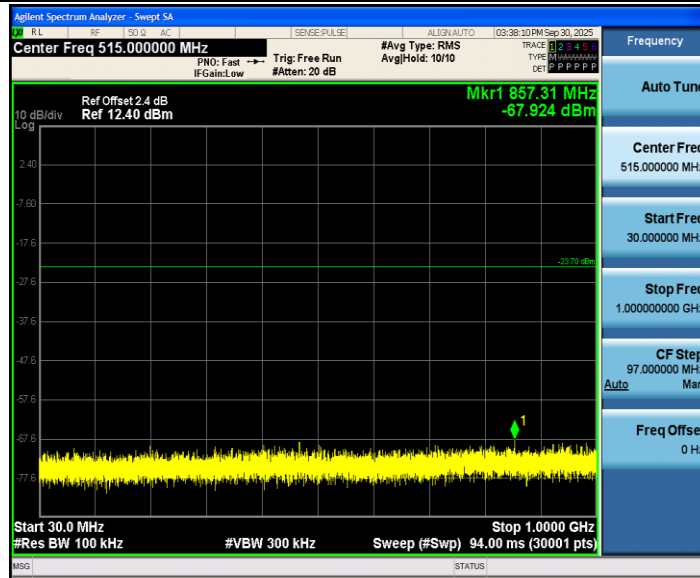
DH5_Ant1_2480_1000~26500



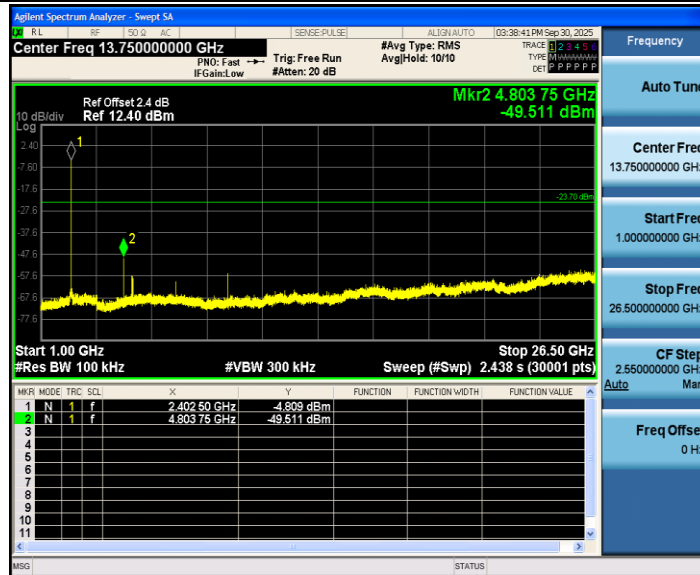
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



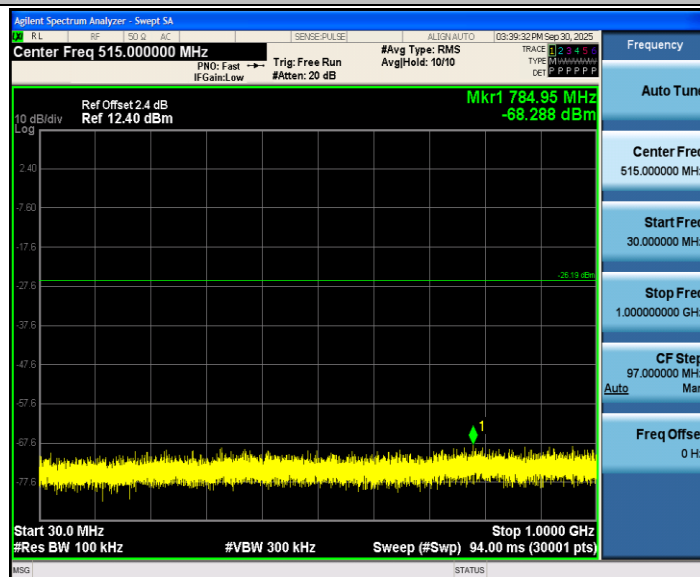
2DH5_Ant1_2402_1000~26500



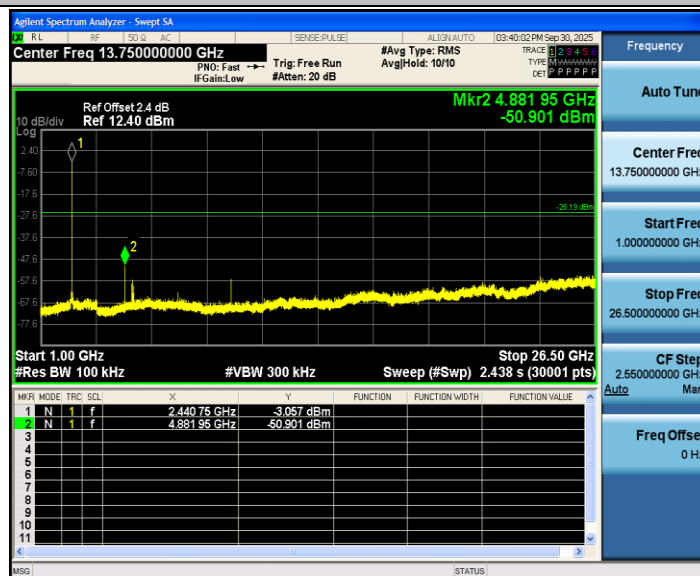
2DH5_Ant1_2441_0~Reference



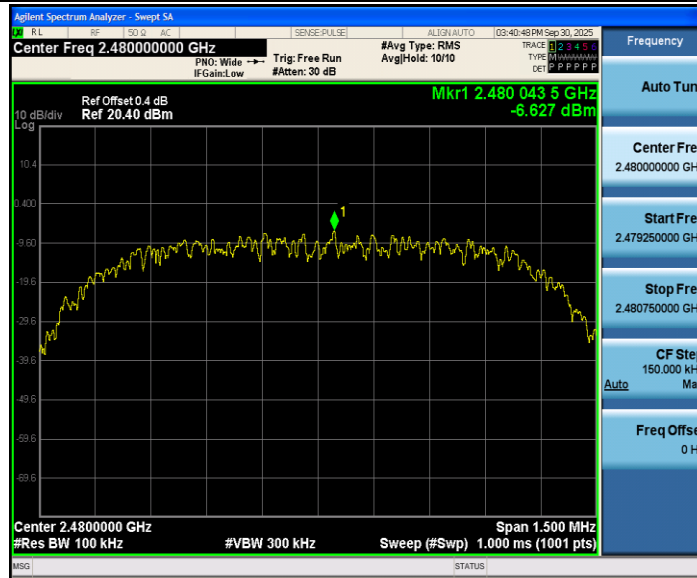
2DH5_Ant1_2441_30~1000



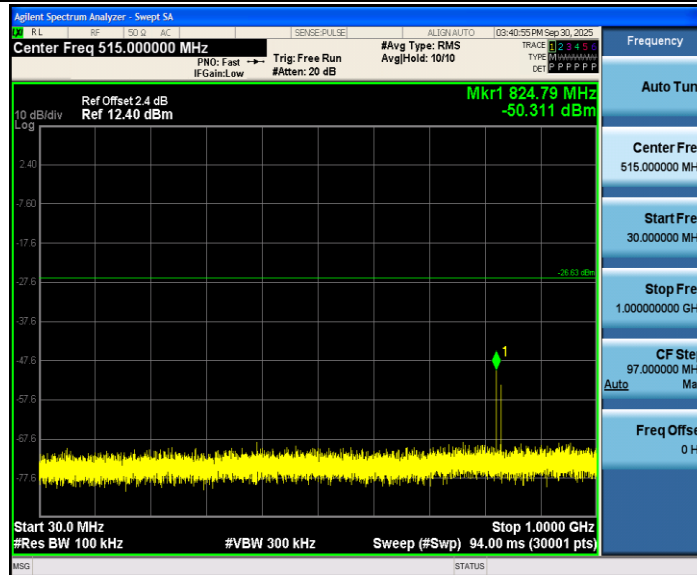
2DH5_Ant1_2441_1000~26500



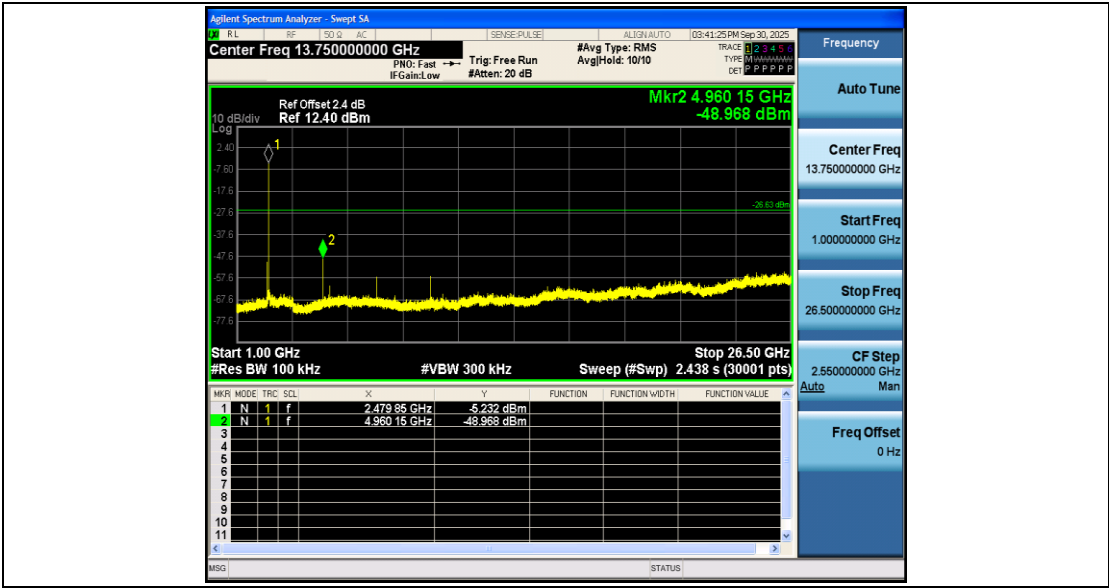
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

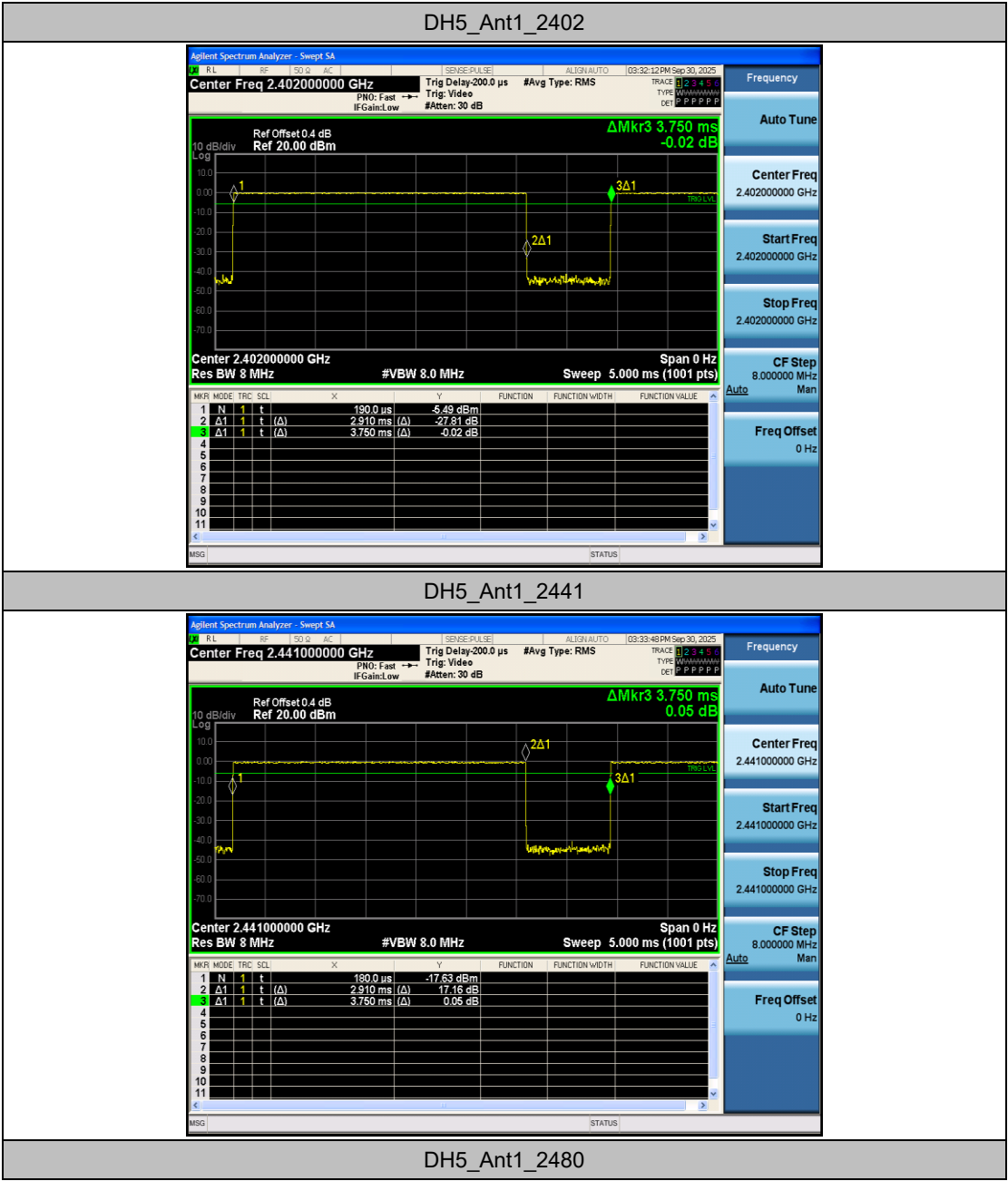


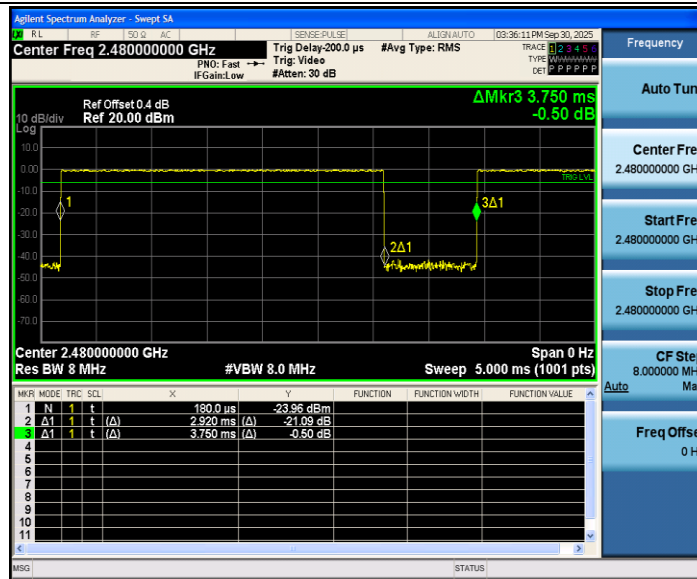
Appendix I: Duty Cycle

Test Result

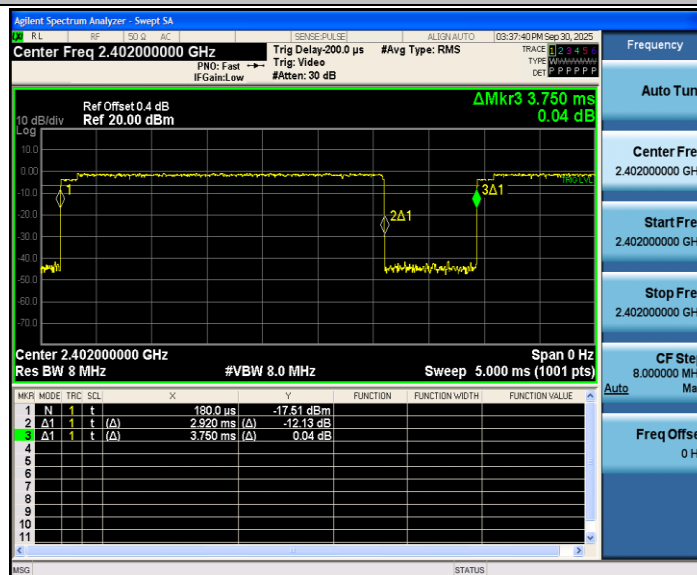
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.92	3.75	77.87	1.09	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09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

Test Graphs

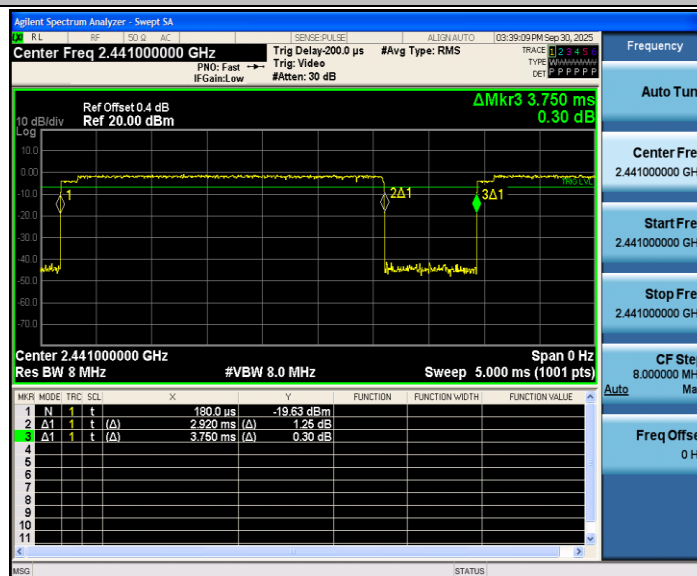




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

