

FCC Appendix RF Test Data for BT

FCC ID : 2BTTW-EDA80BT

Company : Shandong Baijinnuo Electronic Technology Co.,
Ltd

EUT : Electronic drum amplifier

Model Number : EDA80BT

Report No. : CTA25111900502

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	2401.541	2402.486	---	---
		2441	0.936	2440.544	2441.480	---	---
		2480	0.948	2479.541	2480.489	---	---
2DH5	Ant1	2402	1.485	2401.238	2402.723	---	---
		2441	1.482	2440.241	2441.723	---	---
		2480	1.398	2479.295	2480.693	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

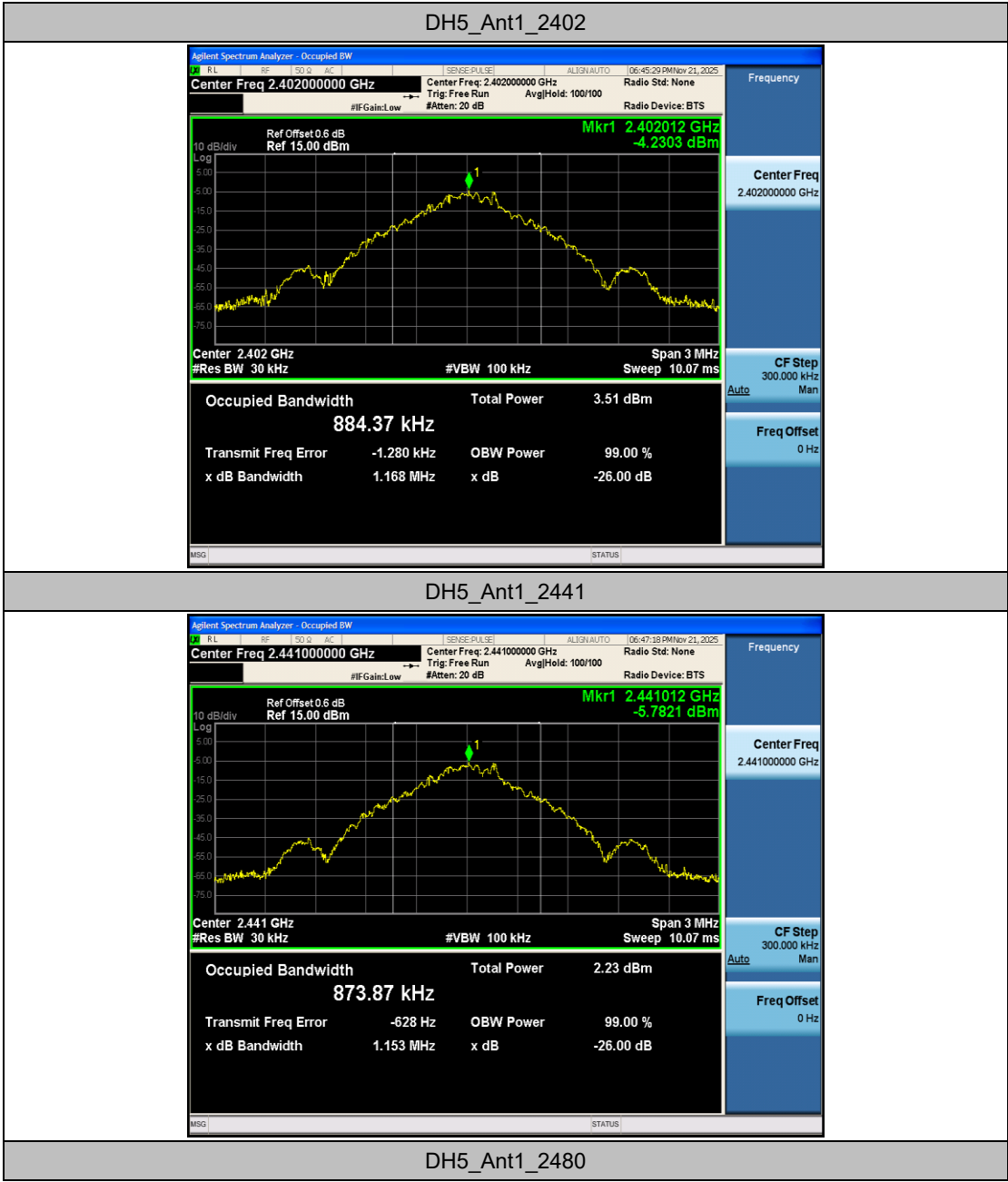


Appendix B: Occupied Channel Bandwidth

Test Result

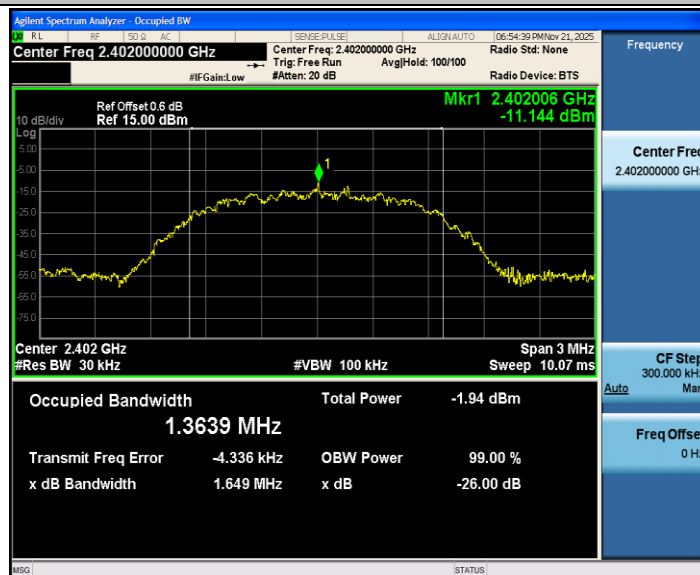
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88437	2401.5565	2402.4409	---	---
		2441	0.87387	2440.5624	2441.4363	---	---
		2480	0.88595	2479.5540	2480.4400	---	---
2DH5	Ant1	2402	1.3639	2401.3137	2402.6776	---	---
		2441	1.3986	2440.3050	2441.7036	---	---
		2480	1.4110	2479.3013	2480.7123	---	---

Test Graphs

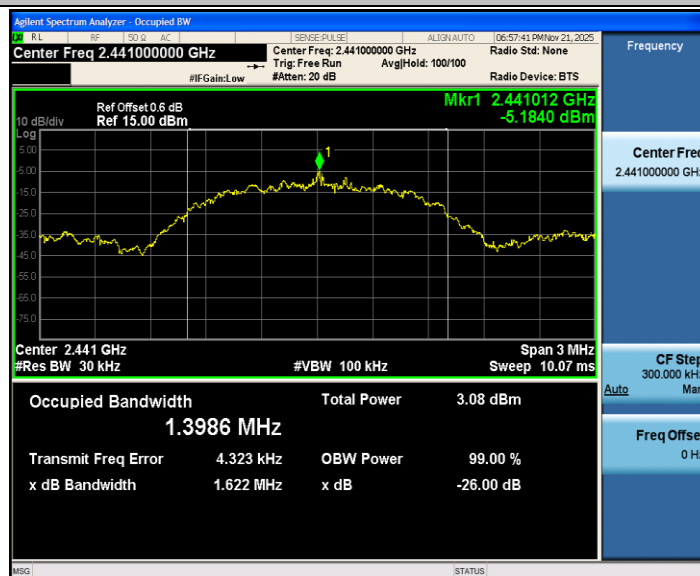




2DH5_Ant1_2402



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	-2.60	≤20.97	PASS
		2441	-4.02	≤20.97	PASS
		2480	-0.16	≤20.97	PASS
2DH5	Ant1	2402	-3.12	≤20.97	PASS
		2441	-2.27	≤20.97	PASS
		2480	-0.72	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.32	≥ 0.948	PASS
2DH5	Ant1	Hop	1.02	≥ 0.990	PASS

Test Graphs

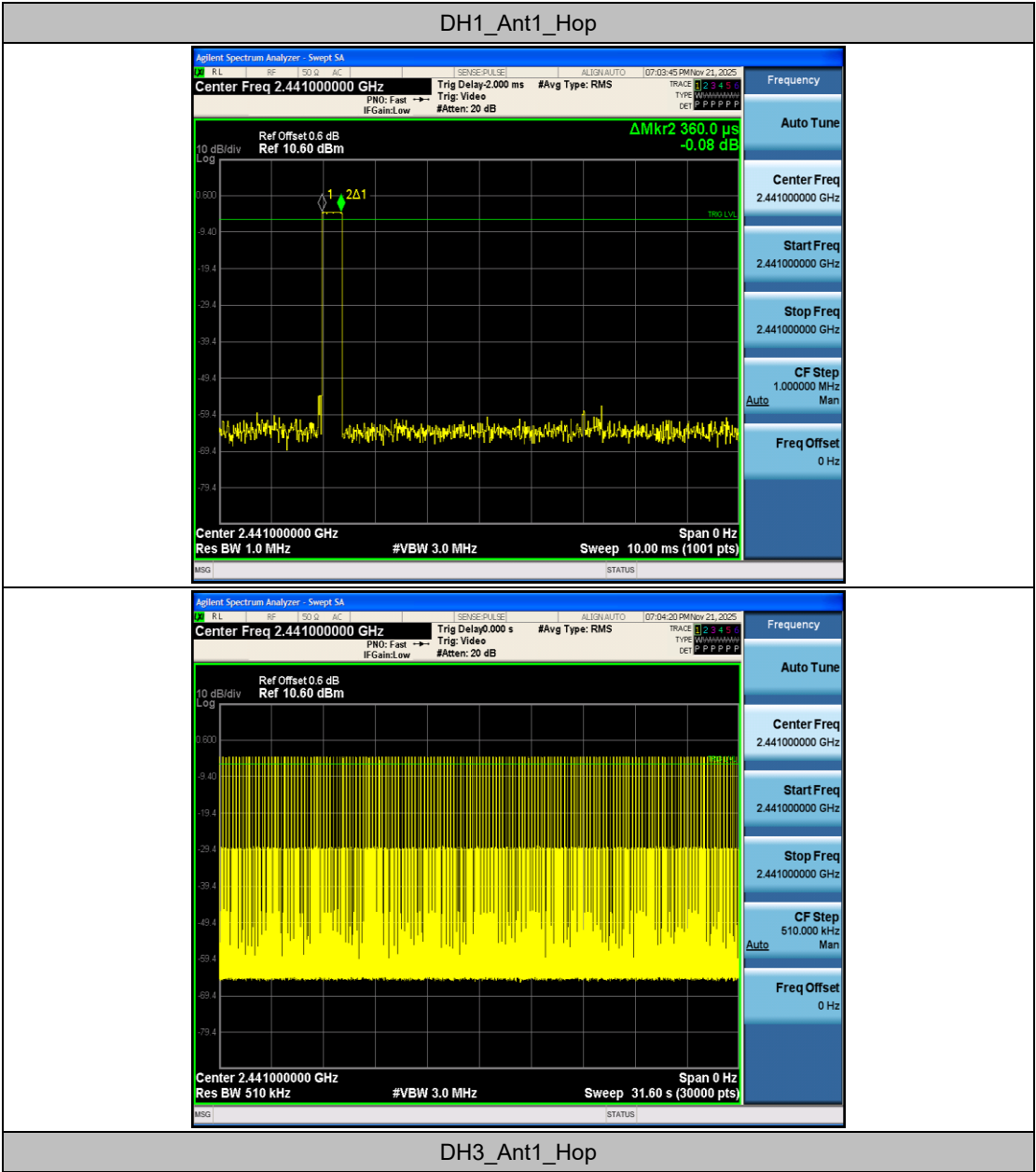


Appendix E: Time of occupancy

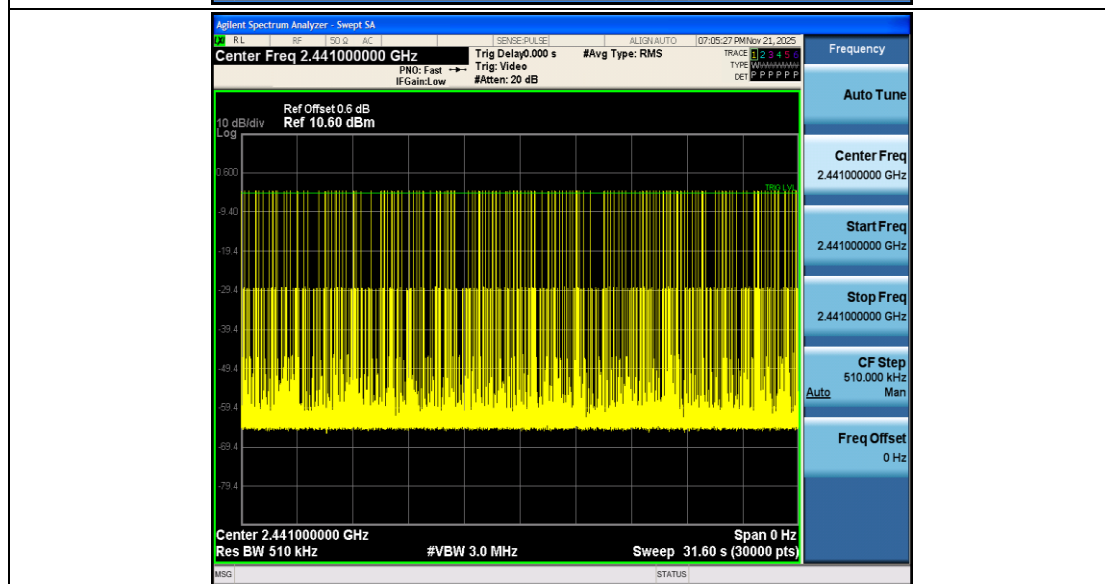
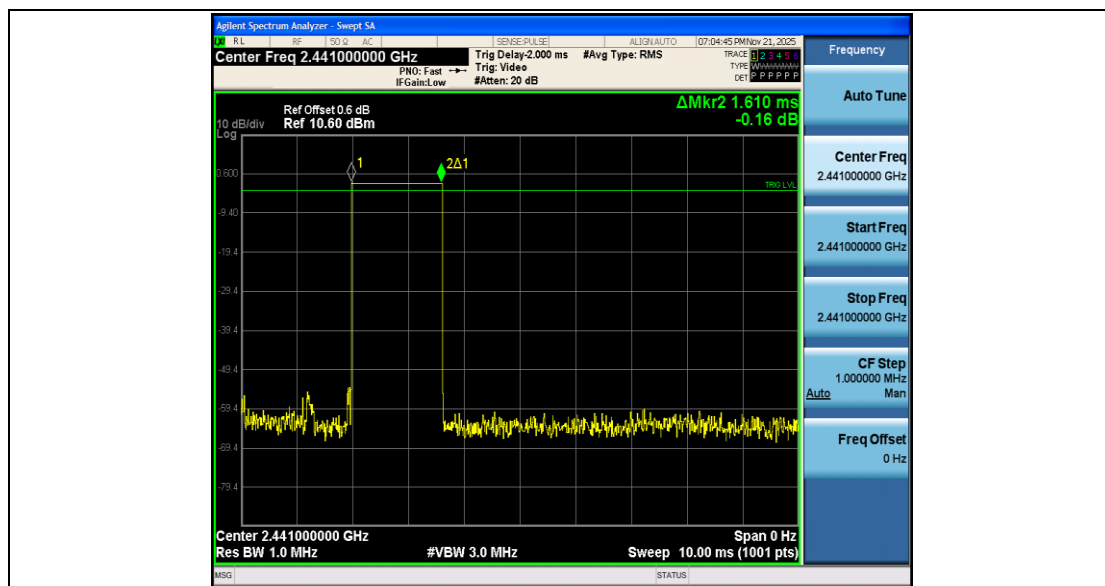
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	313	0.113	≤0.4	PASS
DH3	Ant1	Hop	1.610	175	0.282	≤0.4	PASS
DH5	Ant1	Hop	2.870	108	0.31	≤0.4	PASS
2DH1	Ant1	Hop	0.370	312	0.115	≤0.4	PASS
2DH3	Ant1	Hop	1.620	142	0.23	≤0.4	PASS
2DH5	Ant1	Hop	2.870	105	0.301	≤0.4	PASS

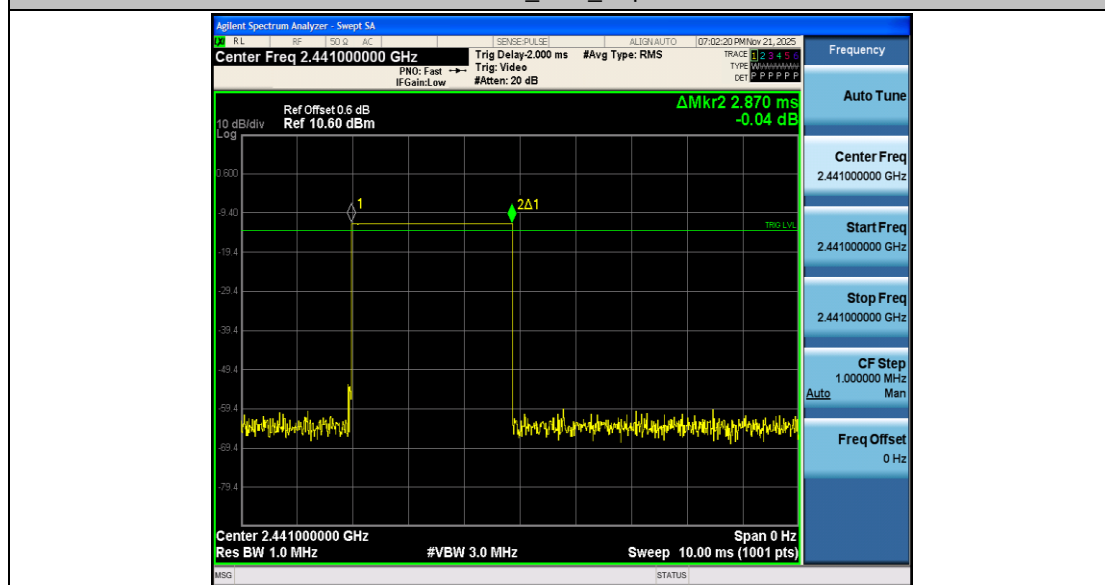
Test Graphs

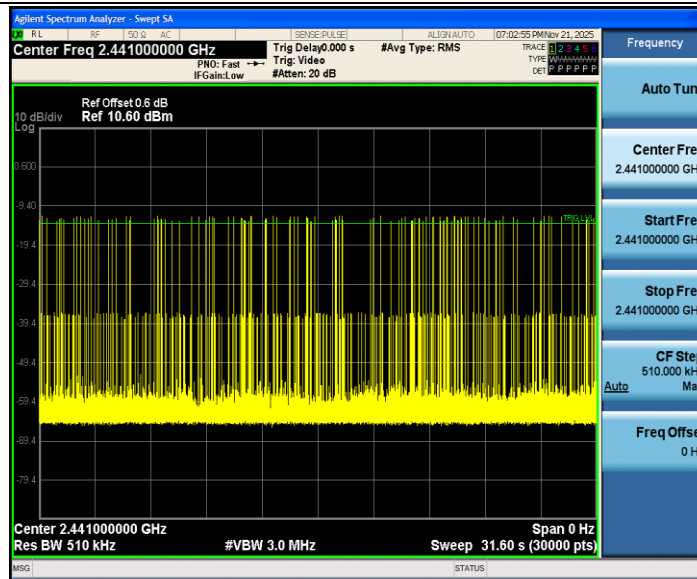


DH3_Ant1_Hop

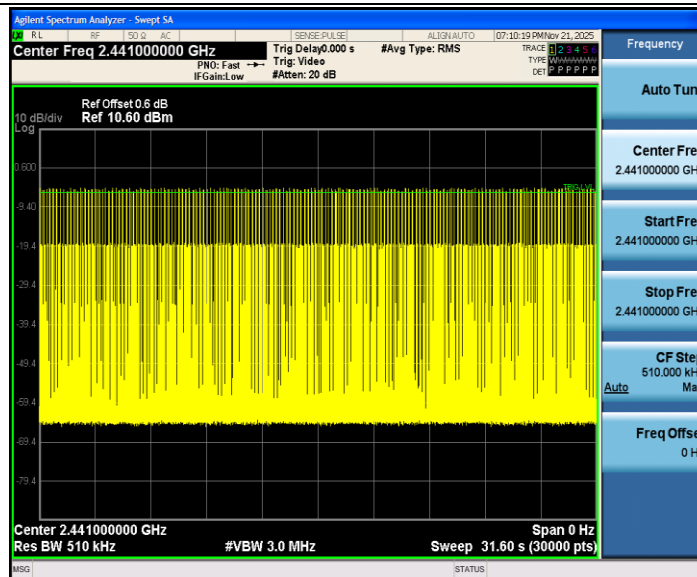
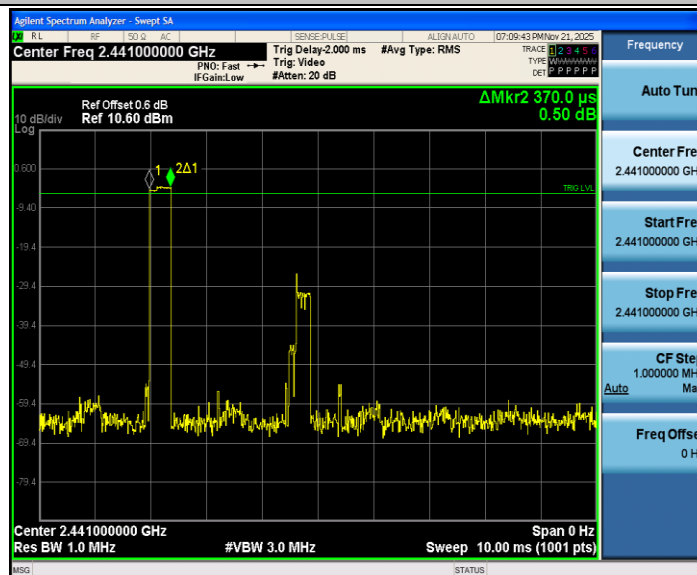


DH5_Ant1_Hop

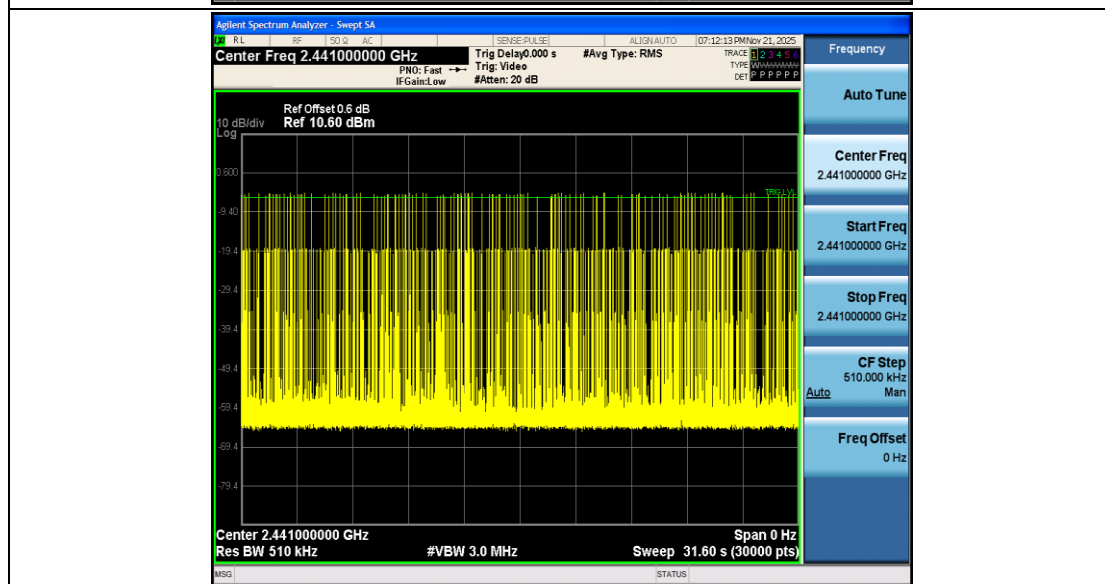
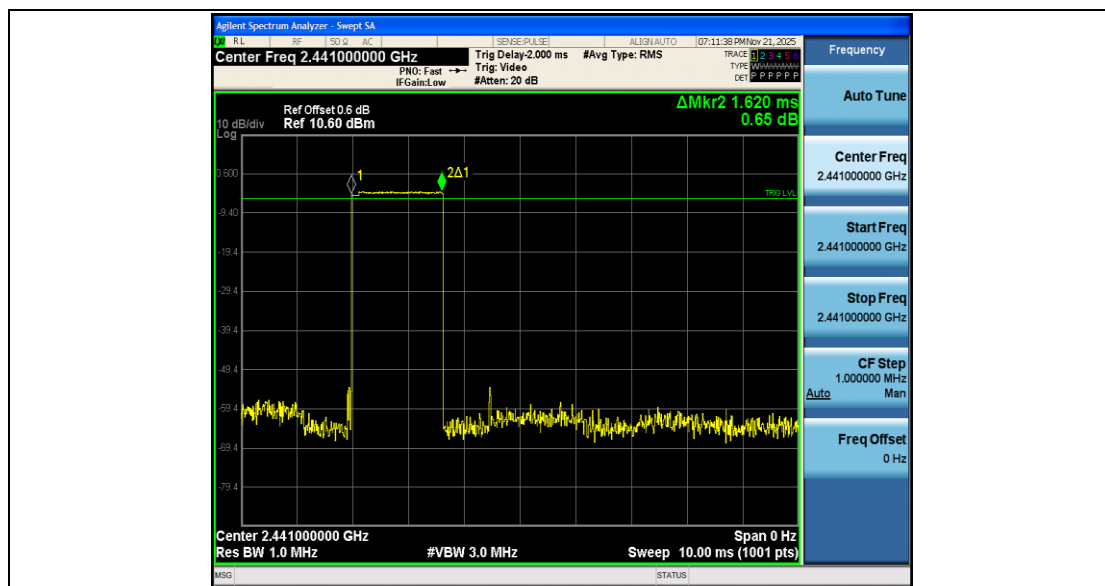




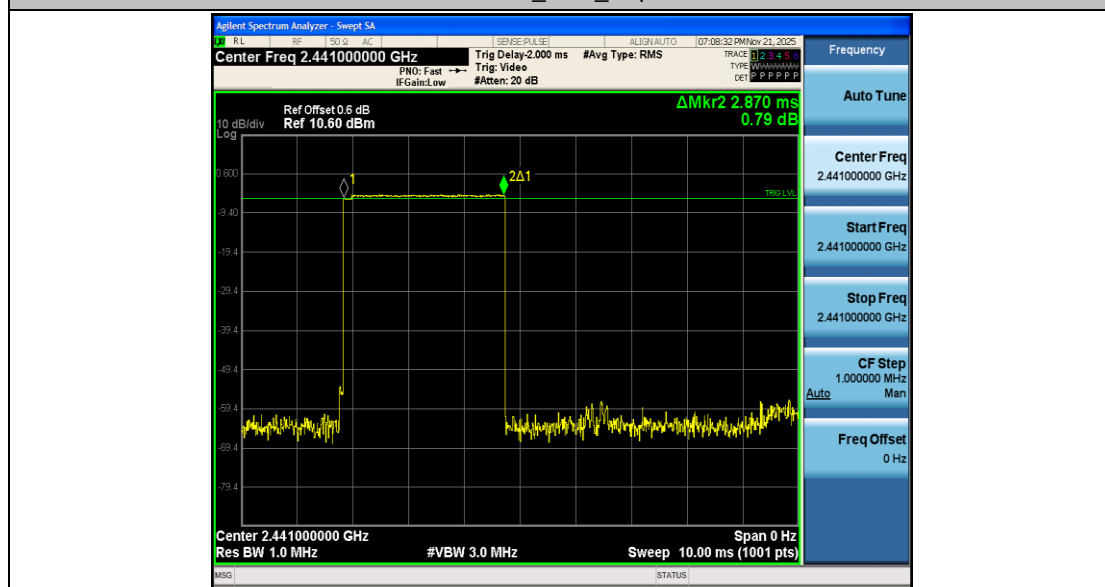
2DH1_Ant1_Hop

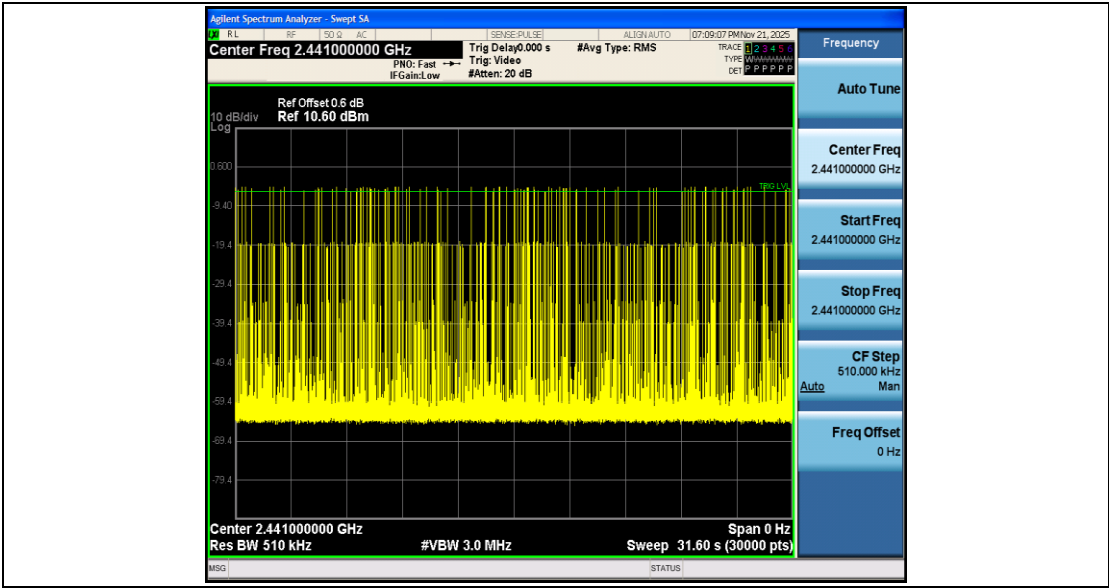


2DH3_Ant1_Hop



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

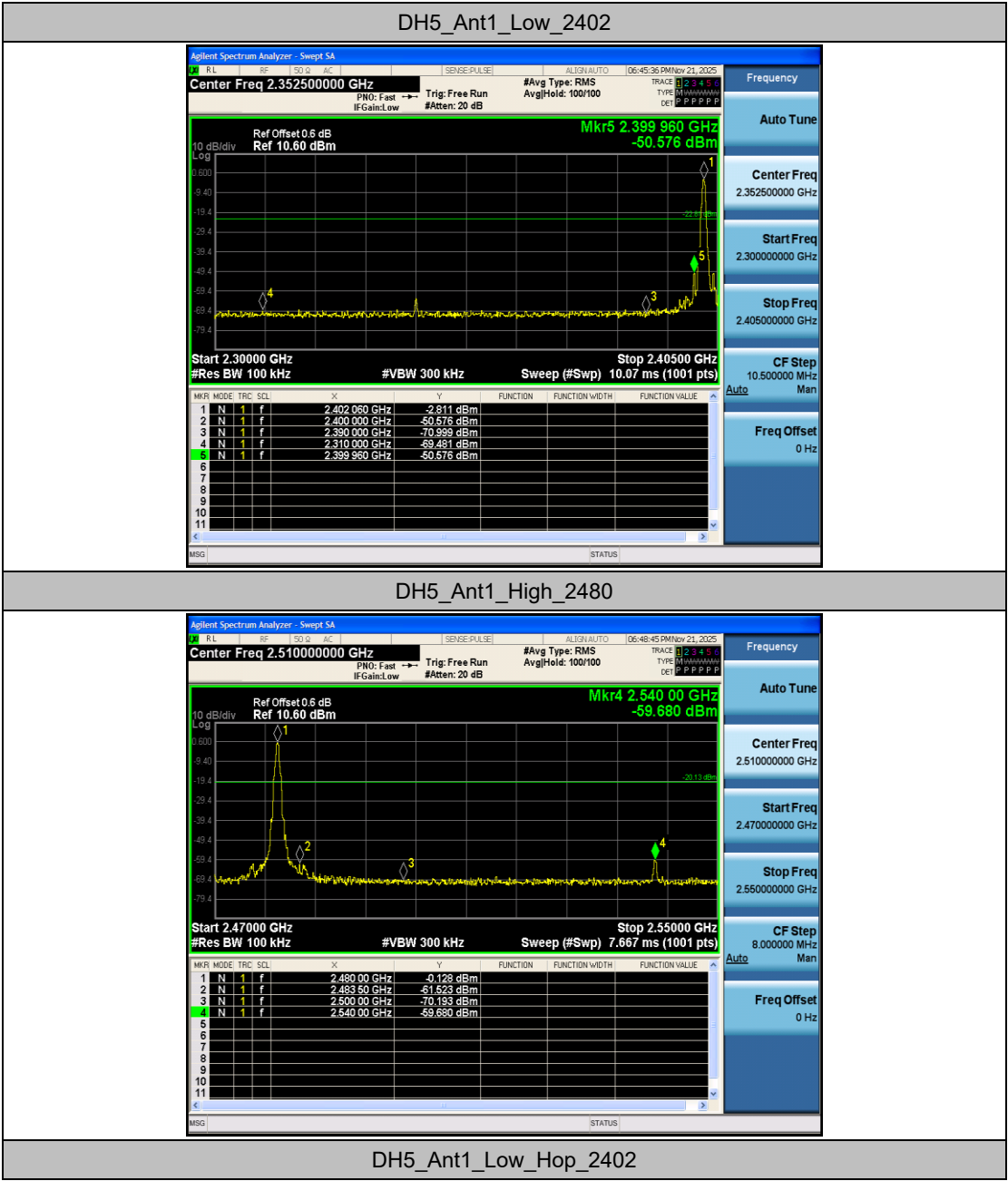


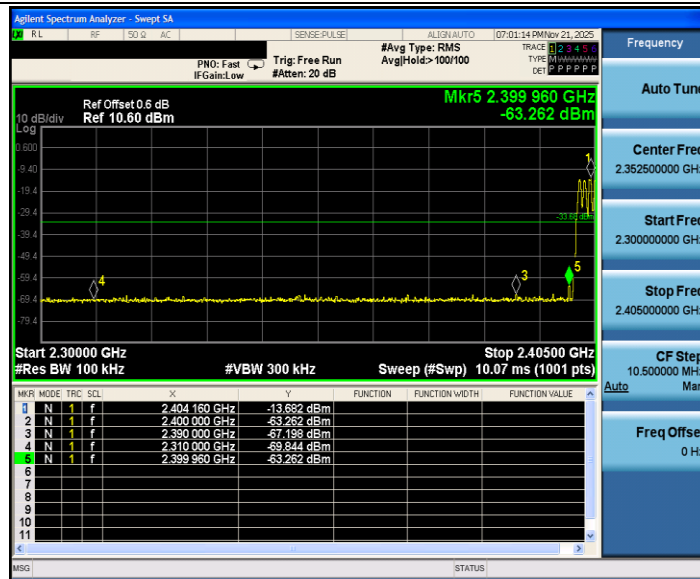
Appendix G: Band edge measurements

Test Result

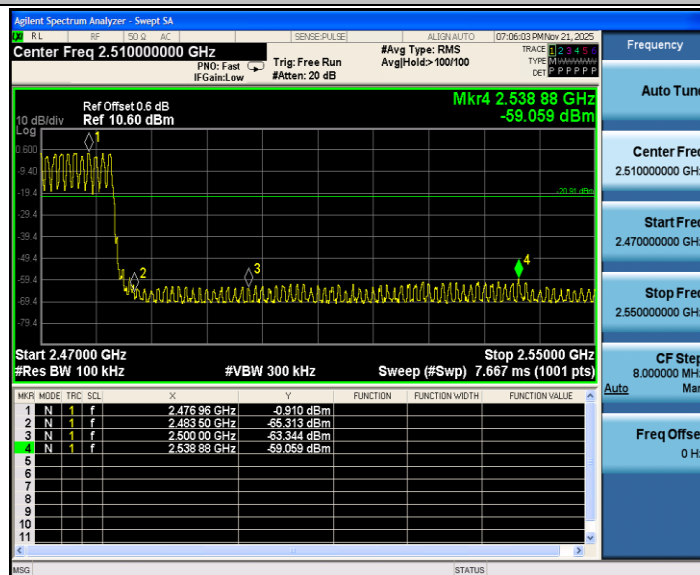
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.81	-50.58	≤-22.81	PASS
		High	2480	-0.13	-59.68	≤-20.13	PASS
		Low	Hop_2402	-13.68	-63.26	≤-33.68	PASS
		High	Hop_2480	-0.91	-59.06	≤-20.91	PASS
2DH5	Ant1	Low	2402	-10.70	-58.1	≤-30.7	PASS
		High	2480	-3.24	-47.9	≤-23.24	PASS
		Low	Hop_2402	-8.33	-51.48	≤-28.33	PASS
		High	Hop_2480	-2.81	-58.43	≤-22.81	PASS

Test Graphs

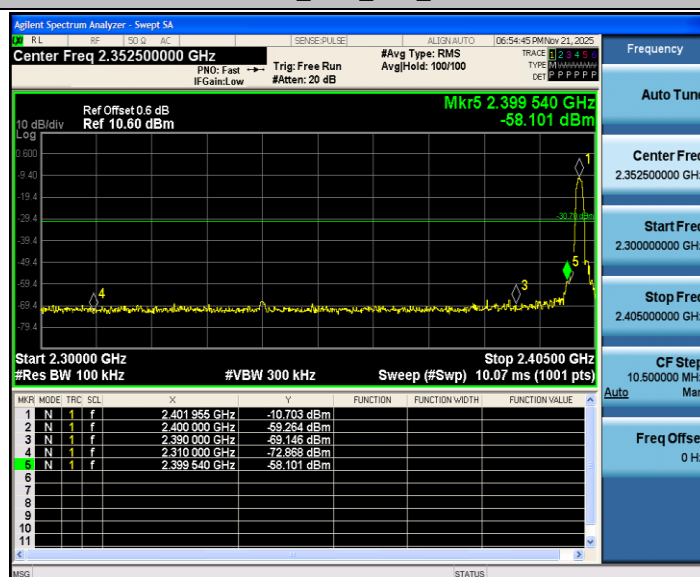




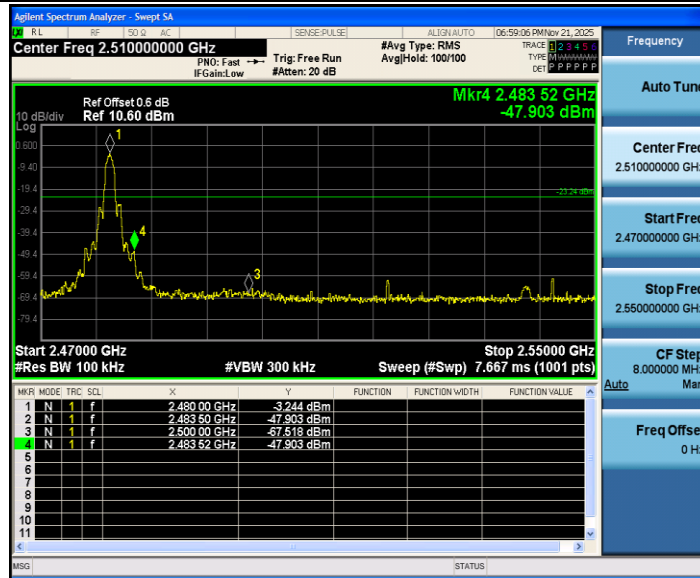
DH5_Ant1_High_Hop_2480



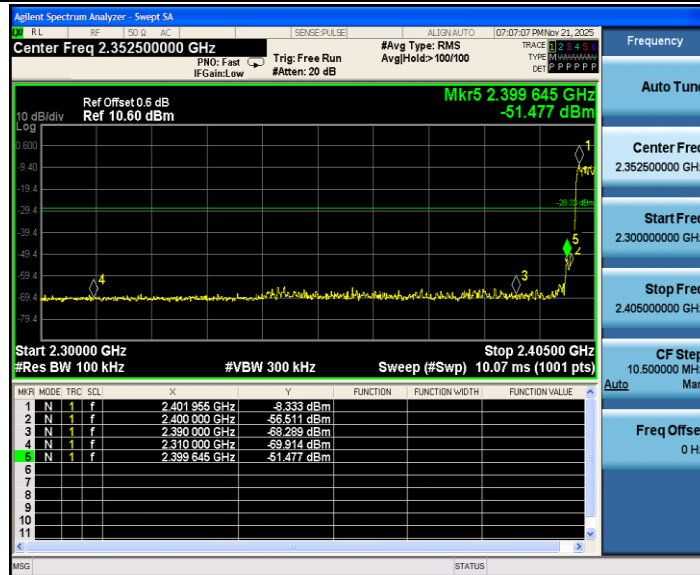
2DH5_Ant1_Low_2402



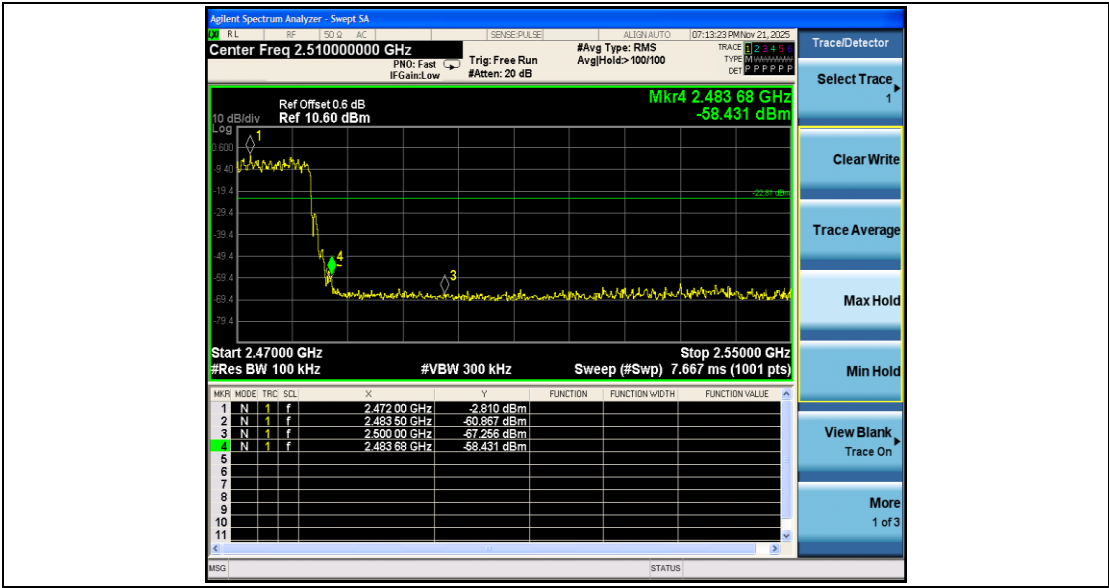
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

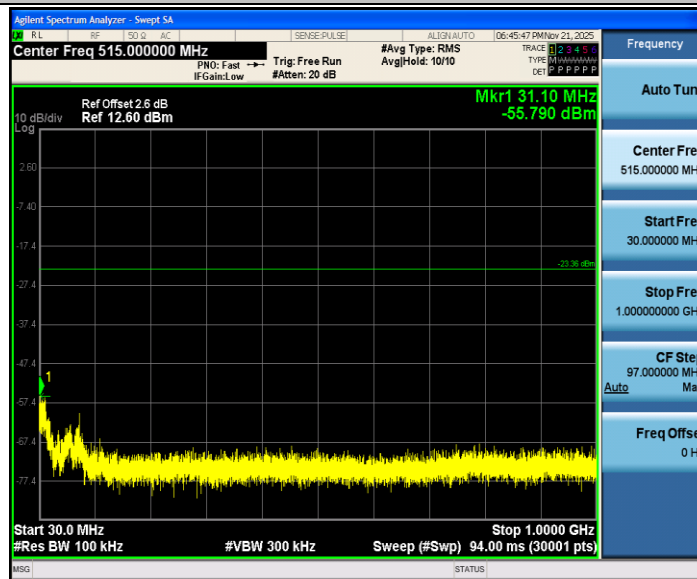
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.36	-3.36	---	PASS
			30~1000	-3.36	-55.79	≤-23.36	PASS
			1000~26500	-3.36	-54.69	≤-23.36	PASS
		2441	Reference	-4.88	-4.88	---	PASS
			30~1000	-4.88	-52.83	≤-24.88	PASS
			1000~26500	-4.88	-54.98	≤-24.88	PASS
		2480	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-53.65	≤-20.89	PASS
			1000~26500	-0.89	-55	≤-20.89	PASS
2DH5	Ant1	2402	Reference	-10.20	-10.20	---	PASS
			30~1000	-10.20	-54.66	≤-30.2	PASS
			1000~26500	-10.20	-54.06	≤-30.2	PASS
		2441	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-55.54	≤-24.1	PASS
			1000~26500	-4.10	-55.44	≤-24.1	PASS
		2480	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-57.3	≤-24.86	PASS
			1000~26500	-4.86	-54.08	≤-24.86	PASS

Test Graphs

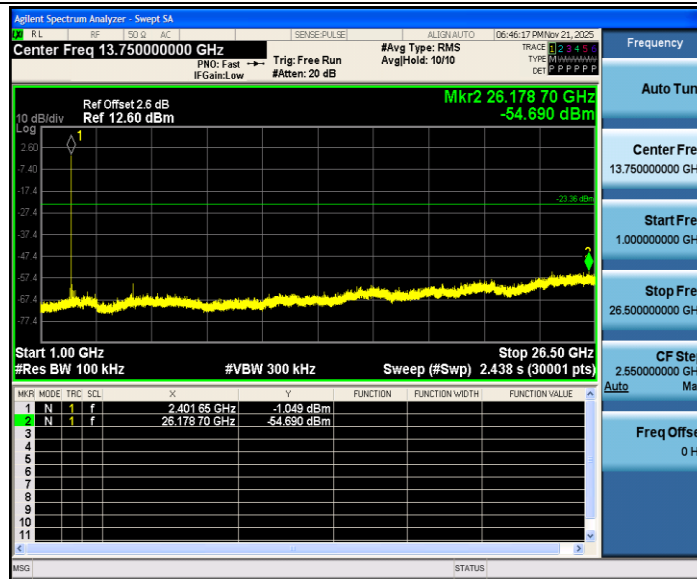
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



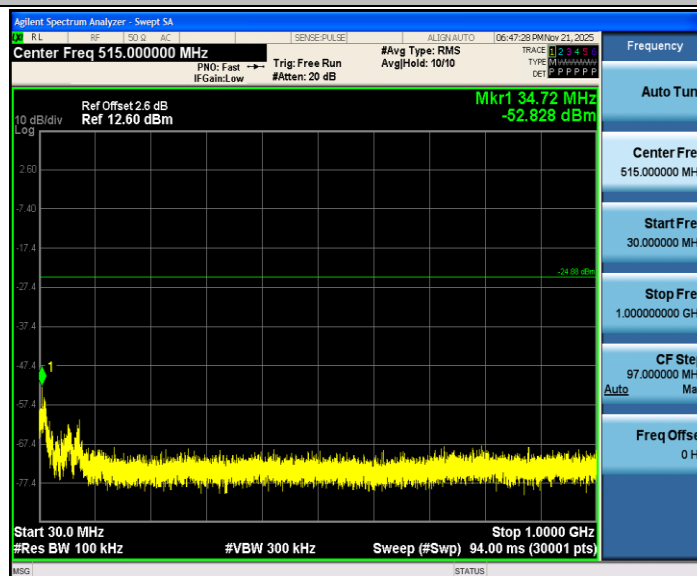
DH5_Ant1_2402_1000~26500



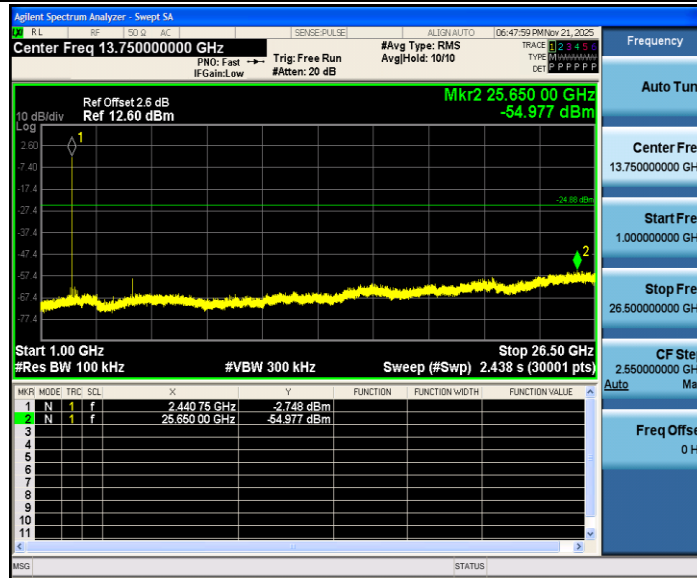
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



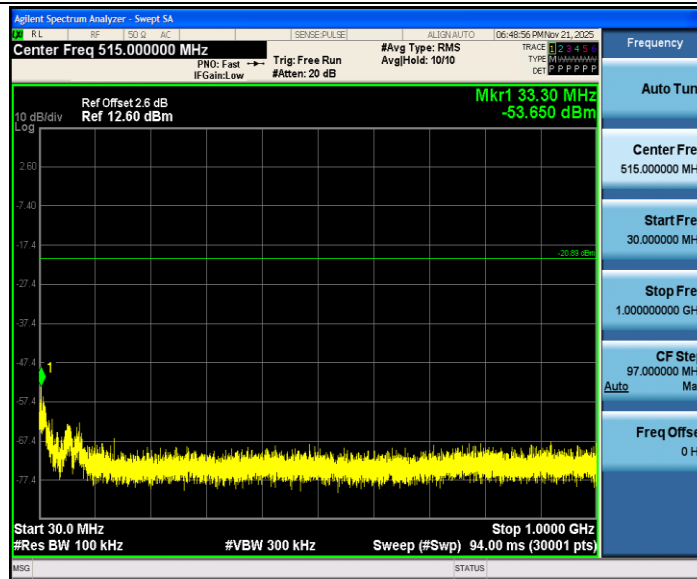
DH5_Ant1_2441_1000~26500



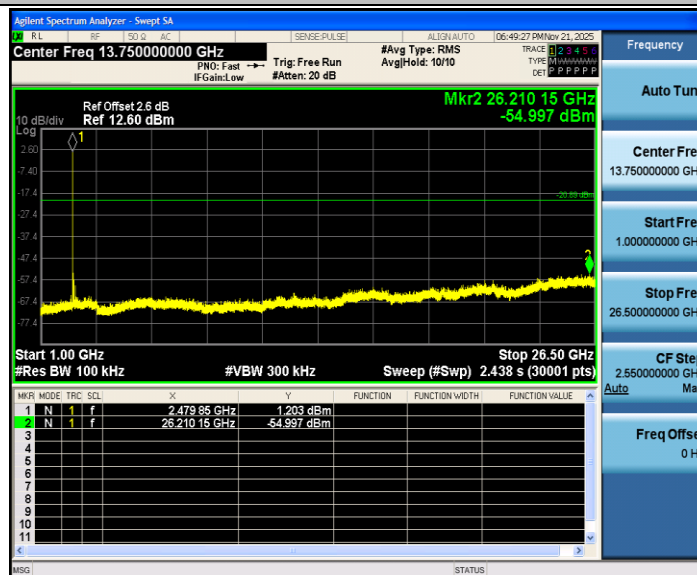
DH5_Ant1_2480_0~Reference



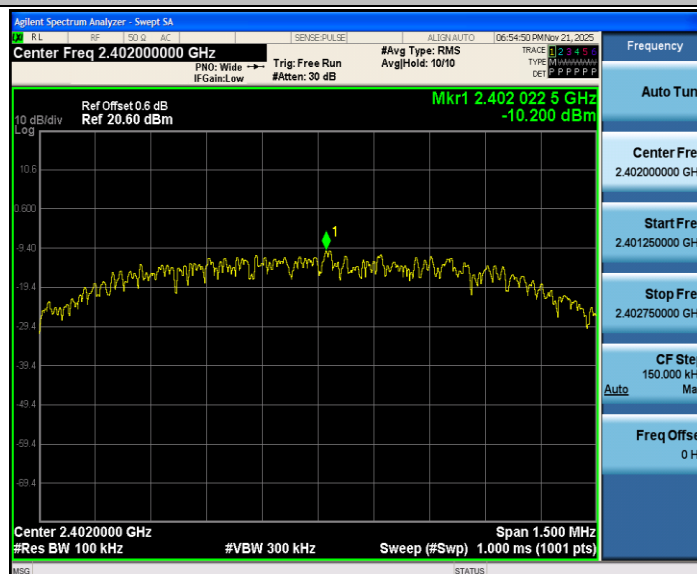
DH5_Ant1_2480_30~1000



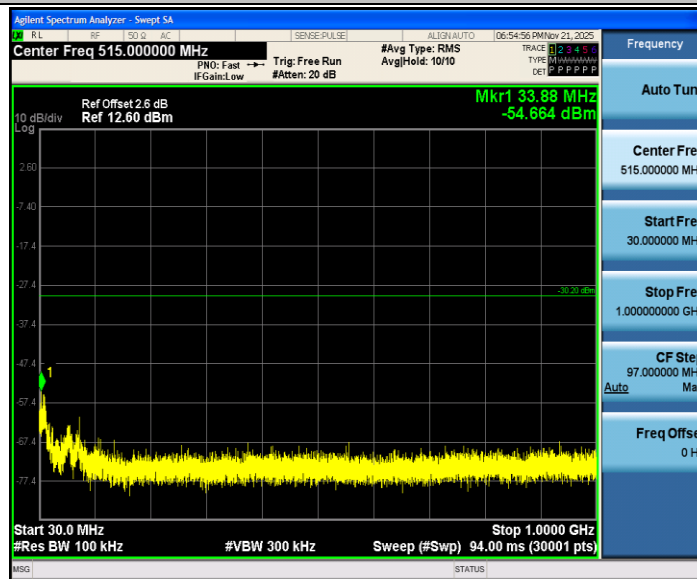
DH5_Ant1_2480_1000~26500



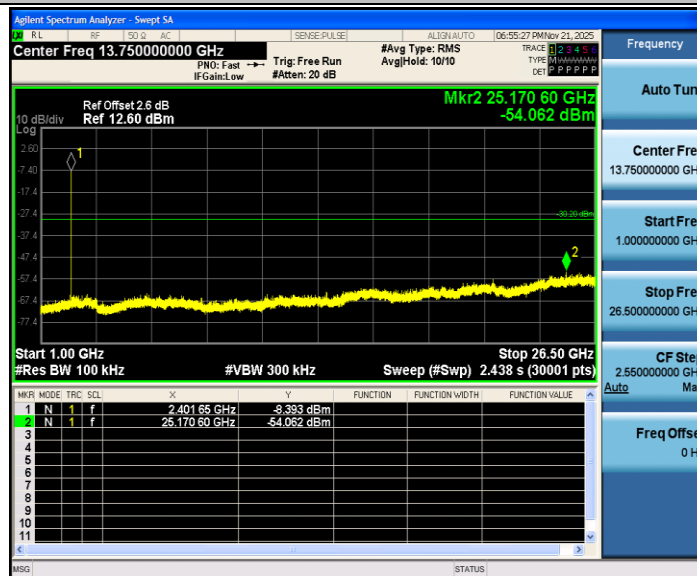
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



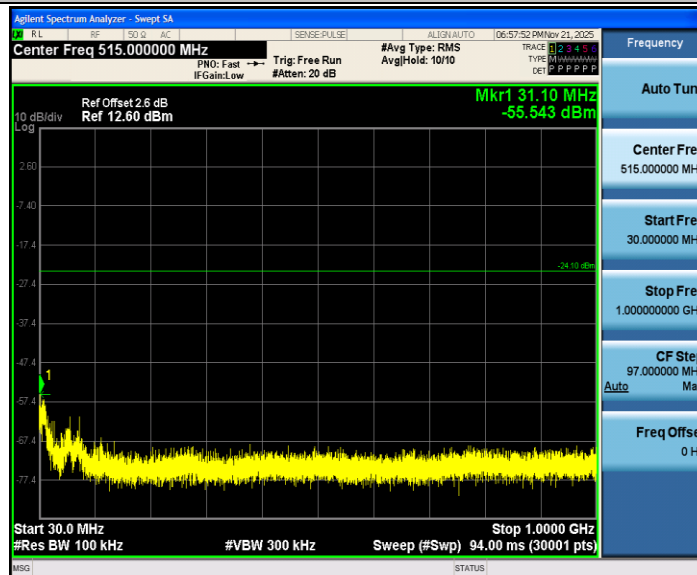
2DH5_Ant1_2402_1000~26500



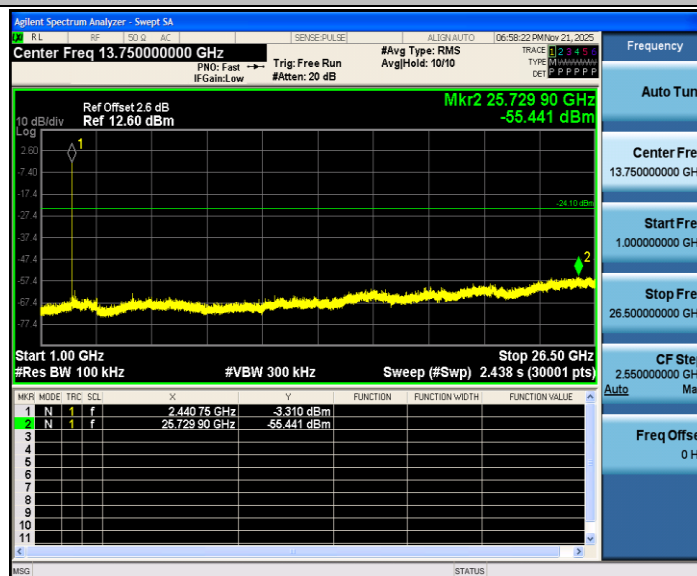
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



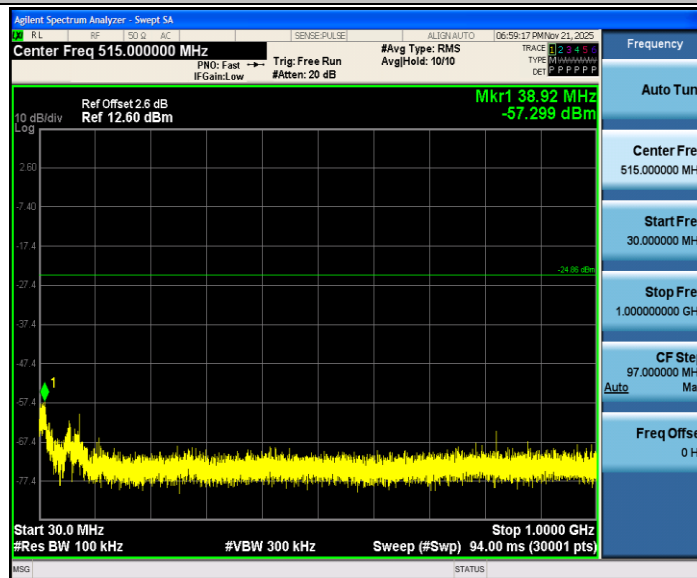
2DH5_Ant1_2441_1000~26500



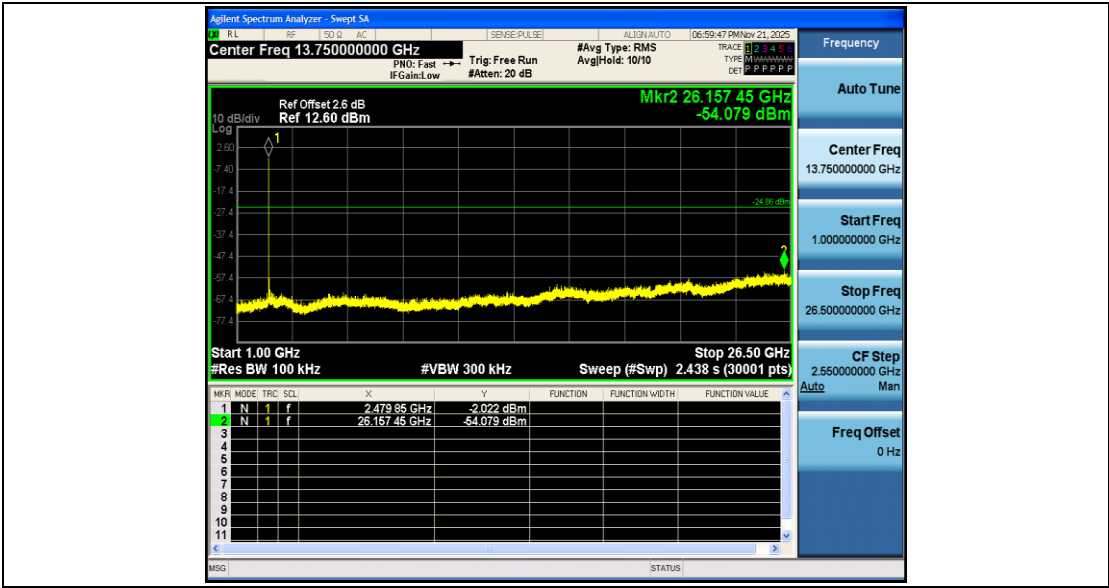
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

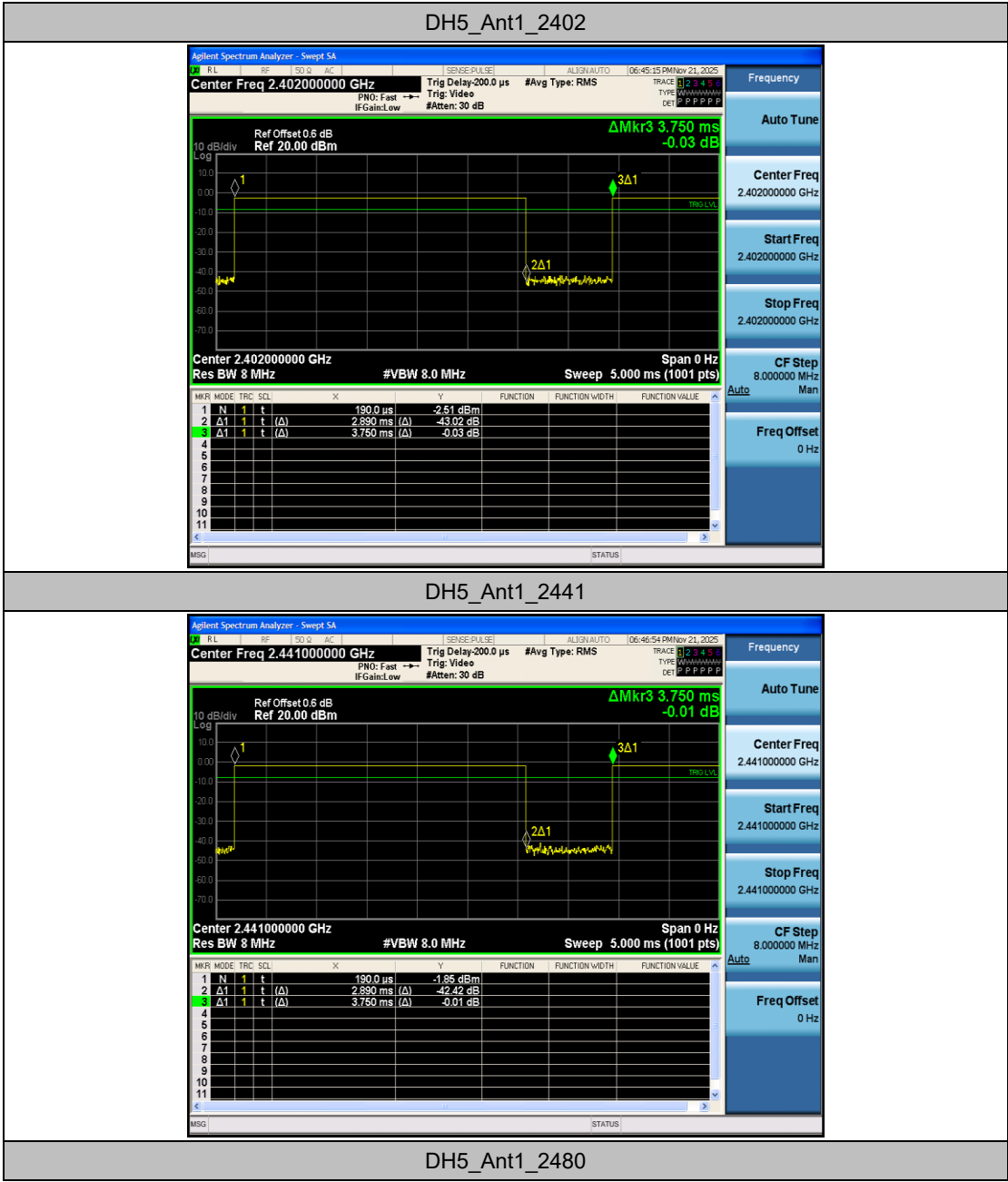


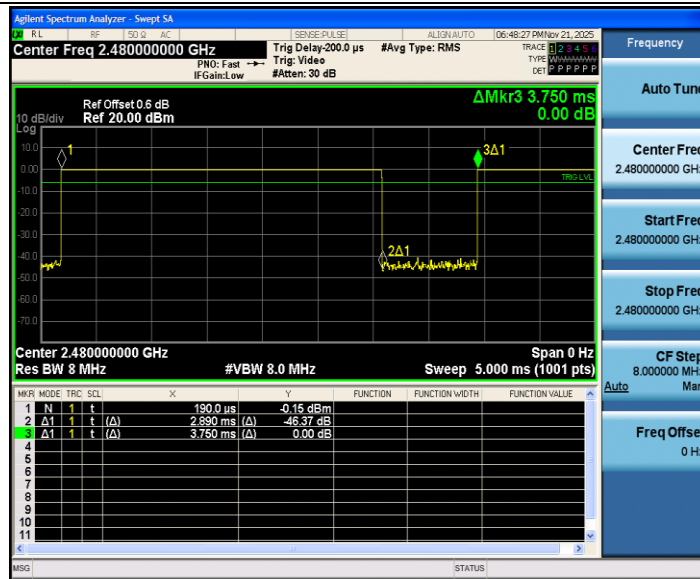
Appendix I: Duty Cycle

Test Result

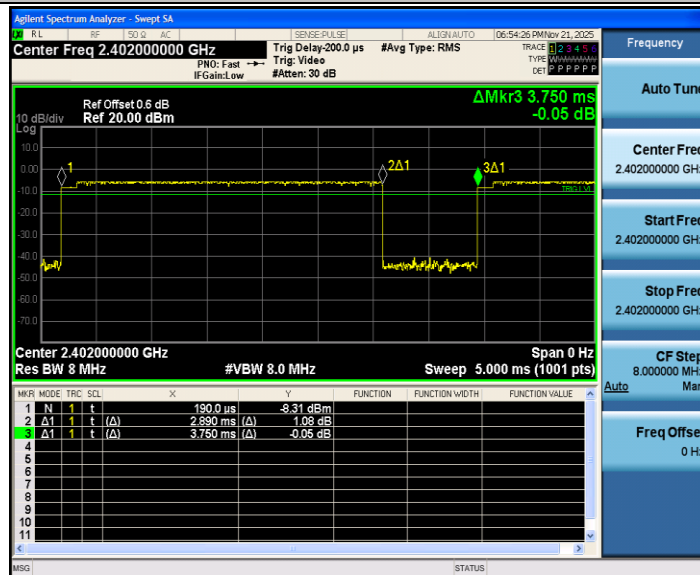
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.89	3.75	77.07	1.13	---	---
		2441	2.89	3.75	77.07	1.13	---	---
		2480	2.89	3.75	77.07	1.13	---	---
2DH5	Ant1	2402	2.89	3.75	77.07	1.13	---	---
		2441	2.89	3.75	77.07	1.13	---	---
		2480	2.89	3.75	77.07	1.13	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

