

FCC Appendix RF Test Data

FCC ID : 2BEMR-C18

Company: : Shenzhen Baiyin Technology Co., LTD

EUT : Car Bluetooth Charger

Model Number : C18

Report No. : CTA25052400201

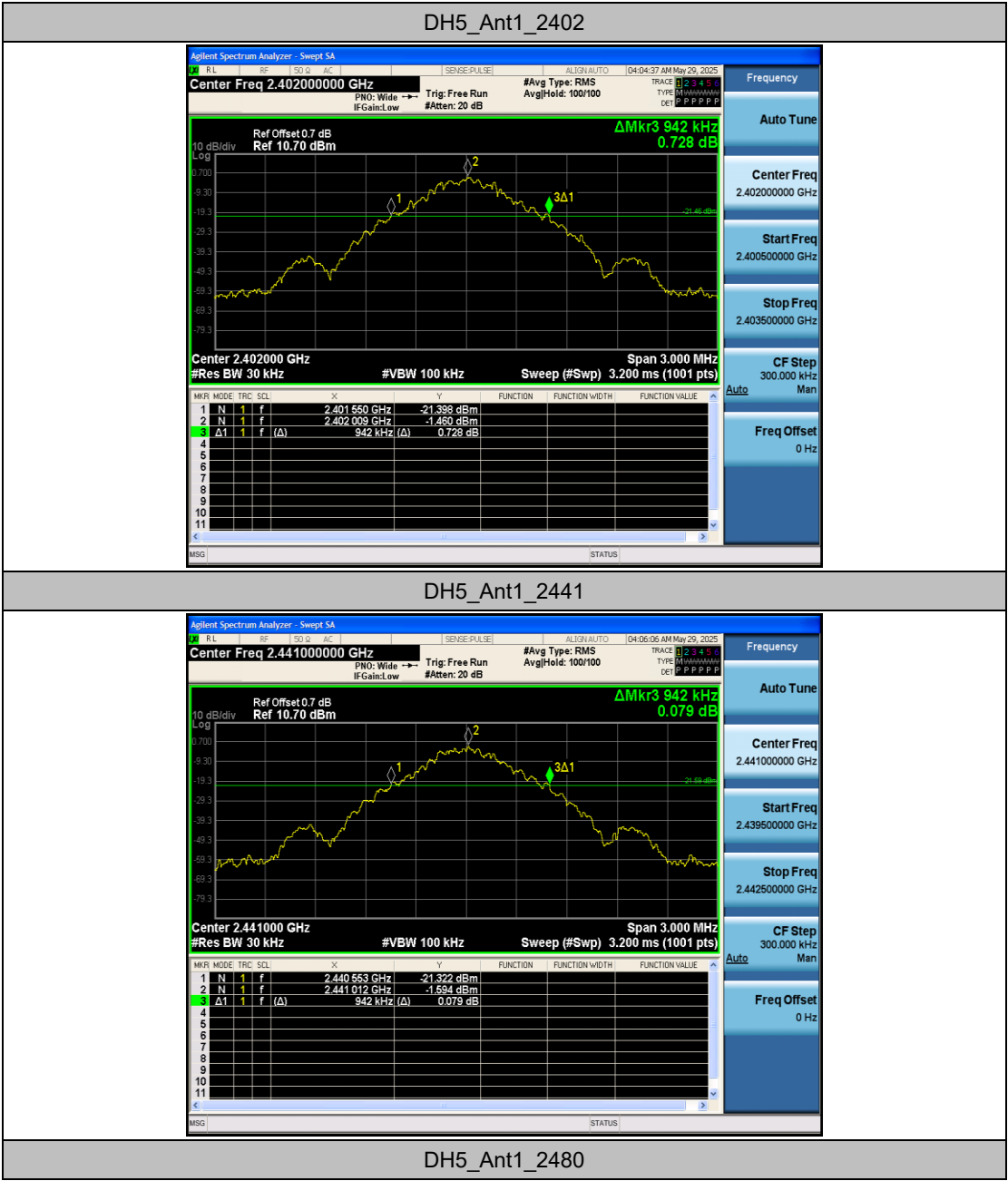
Reviewed By : Eric Wang

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	2401.550	2402.492	---	---
		2441	0.942	2440.553	2441.495	---	---
		2480	0.945	2479.550	2480.495	---	---
2DH5	Ant1	2402	1.350	2401.334	2402.684	---	---
		2441	1.281	2440.379	2441.660	---	---
		2480	1.278	2479.382	2480.660	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

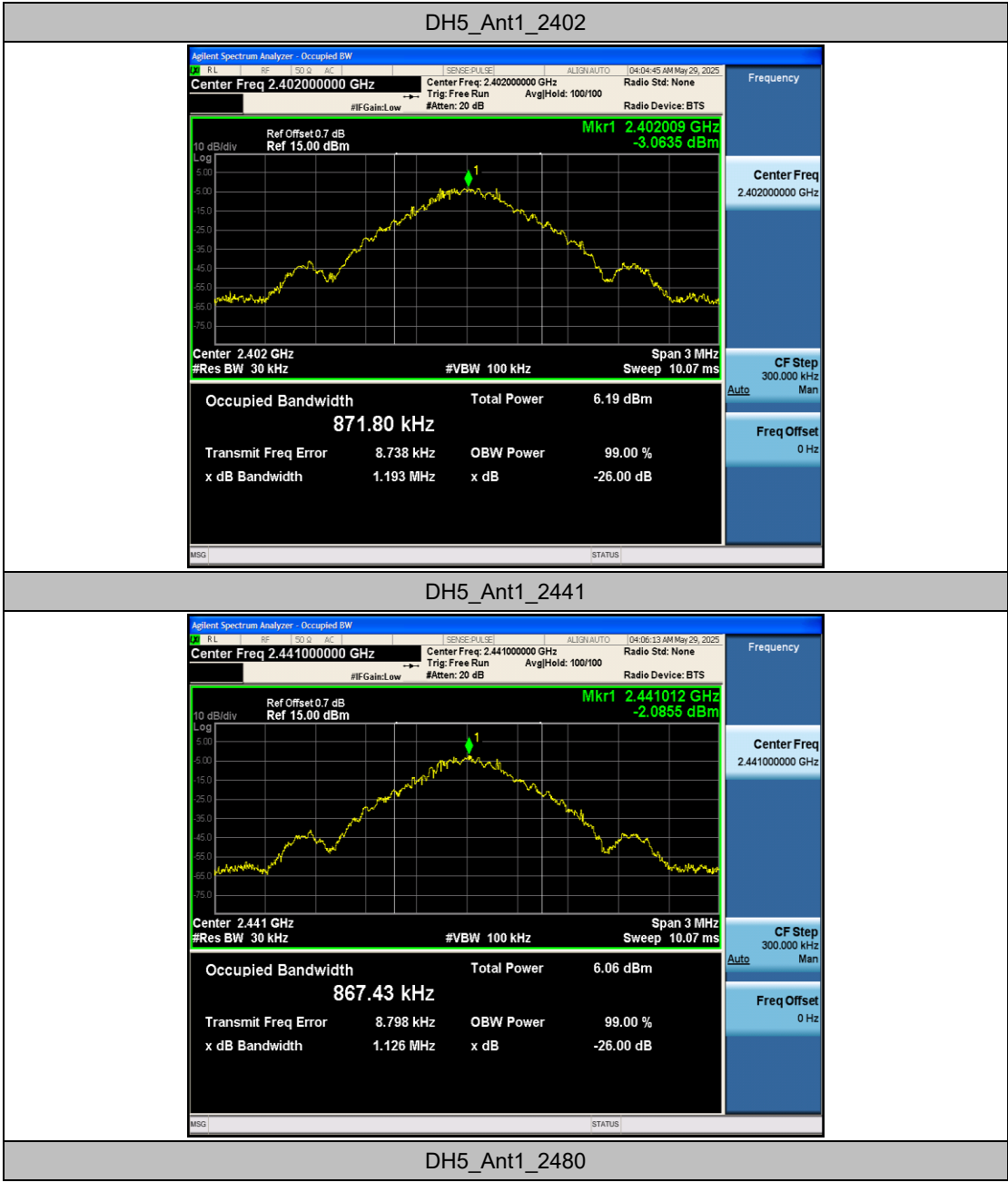


Appendix B: Occupied Channel Bandwidth

Test Result

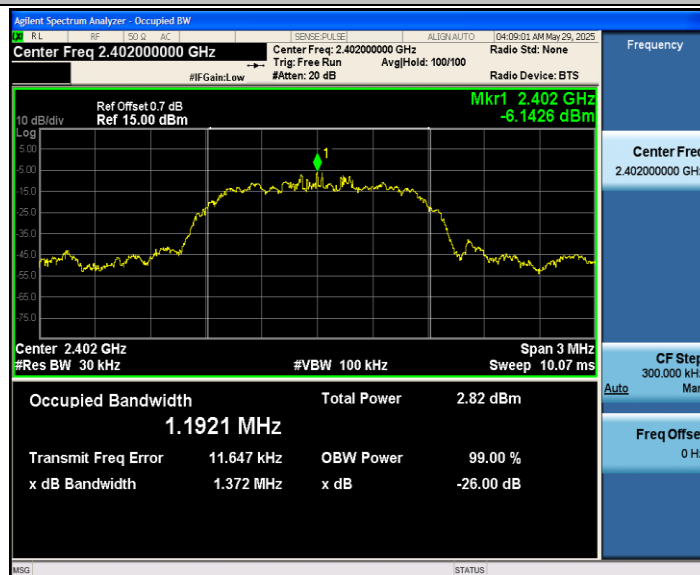
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87180	2401.5728	2402.4446	---	---
		2441	0.86743	2440.5751	2441.4425	---	---
		2480	0.87169	2479.5719	2480.4436	---	---
2DH5	Ant1	2402	1.1921	2401.4156	2402.6077	---	---
		2441	1.1861	2440.4179	2441.6040	---	---
		2480	1.1834	2479.4179	2480.6013	---	---

Test Graphs

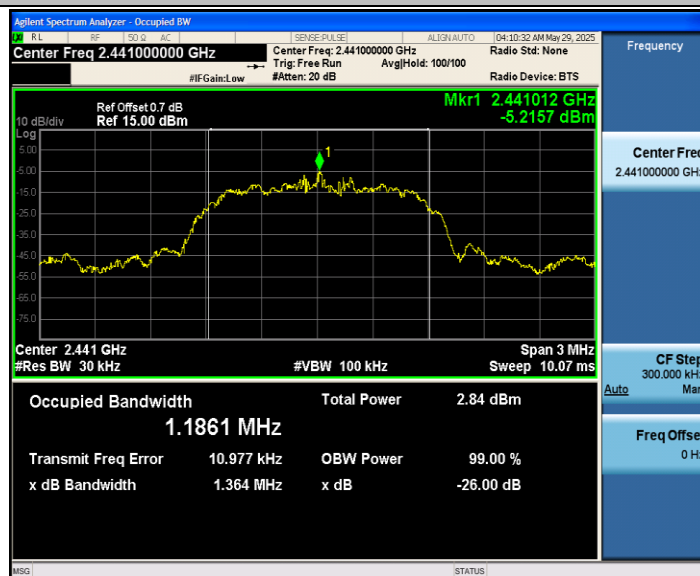




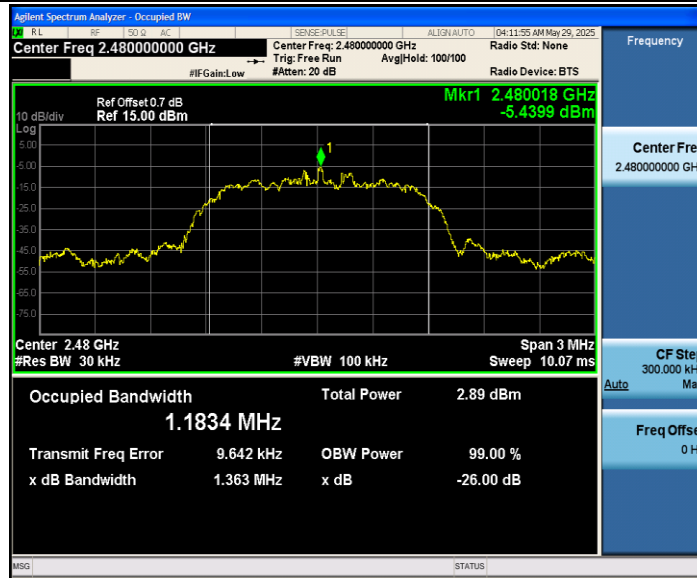
2DH5_Ant1_2402



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	0.33	≤20.97	PASS
		2441	0.10	≤20.97	PASS
		2480	0.03	≤20.97	PASS
2DH5	Ant1	2402	-0.47	≤20.97	PASS
		2441	-0.70	≤20.97	PASS
		2480	-0.77	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.945	PASS
2DH5	Ant1	Hop	0.988	≥ 0.900	PASS

Test Graphs

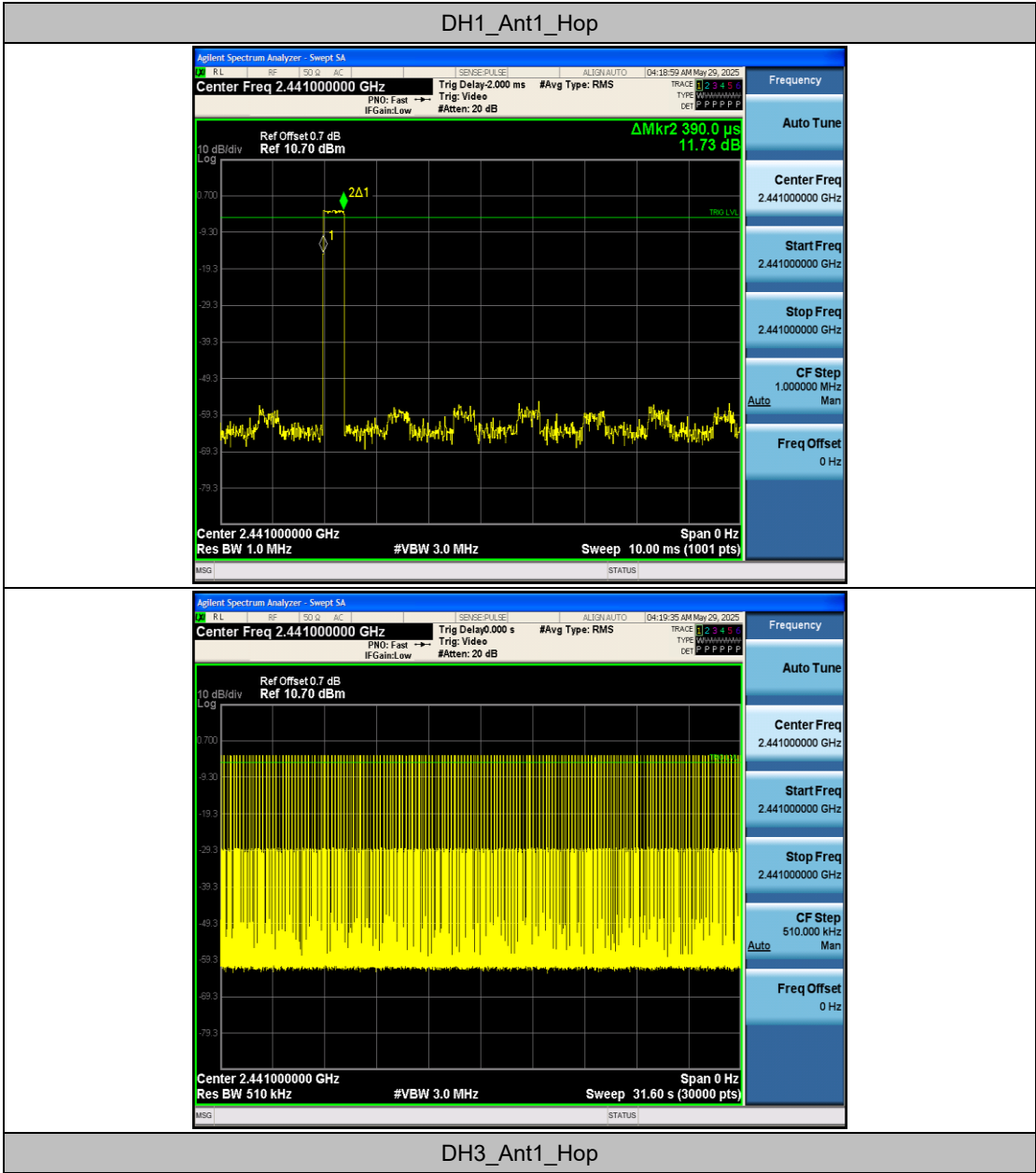


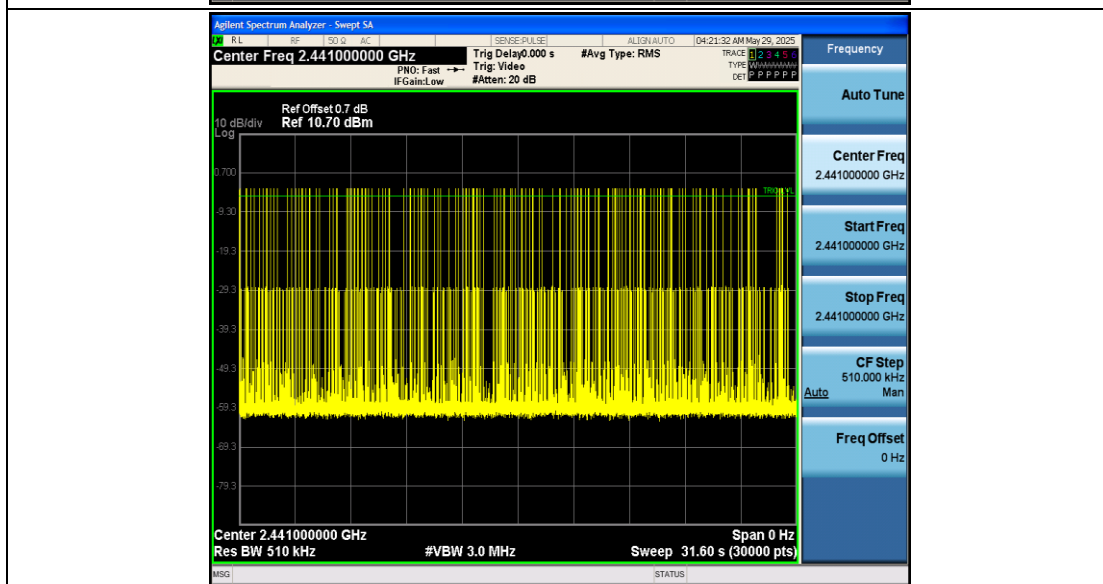
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.640	153	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.890	103	0.298	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS

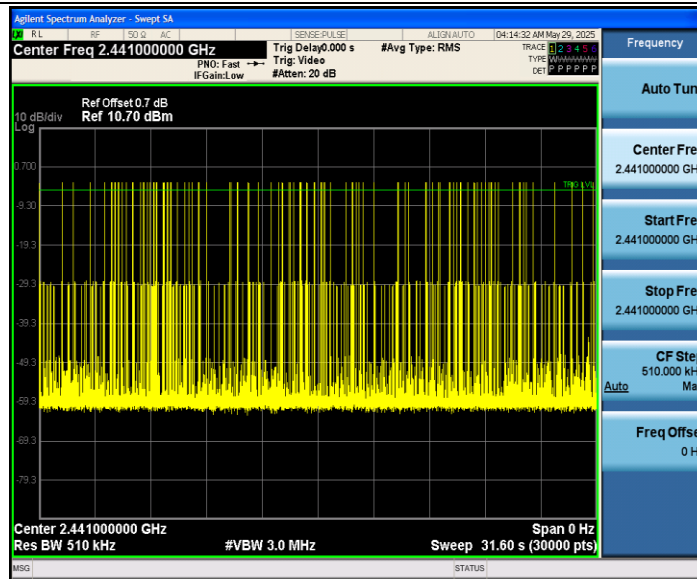
Test Graphs



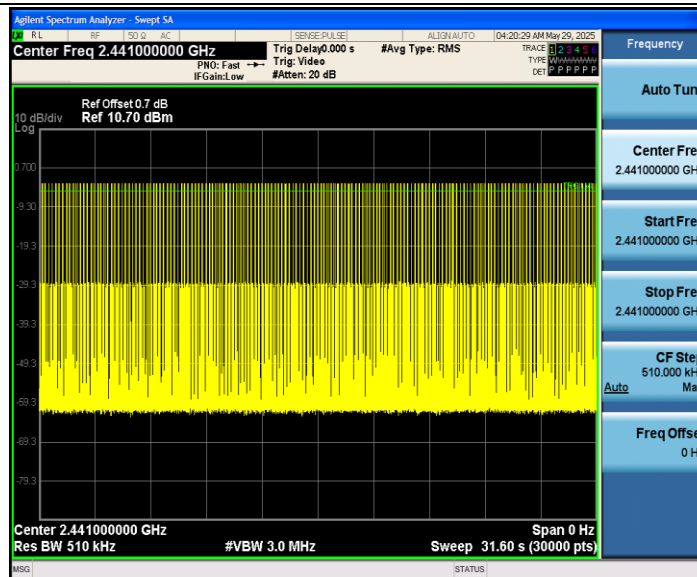
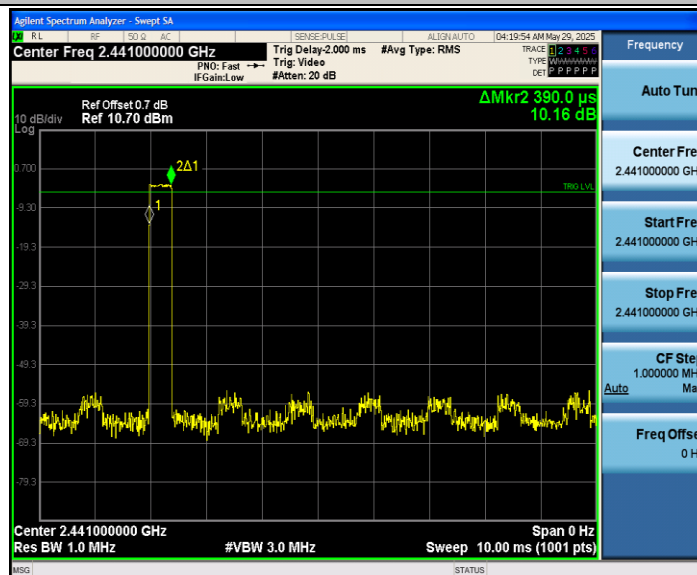


DH5_Ant1_Hop

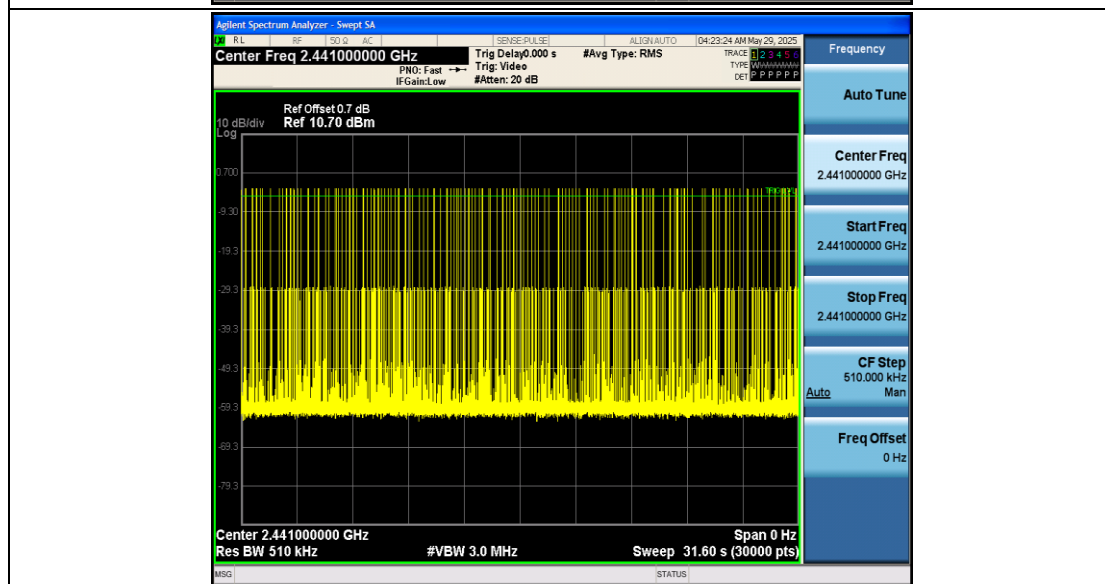




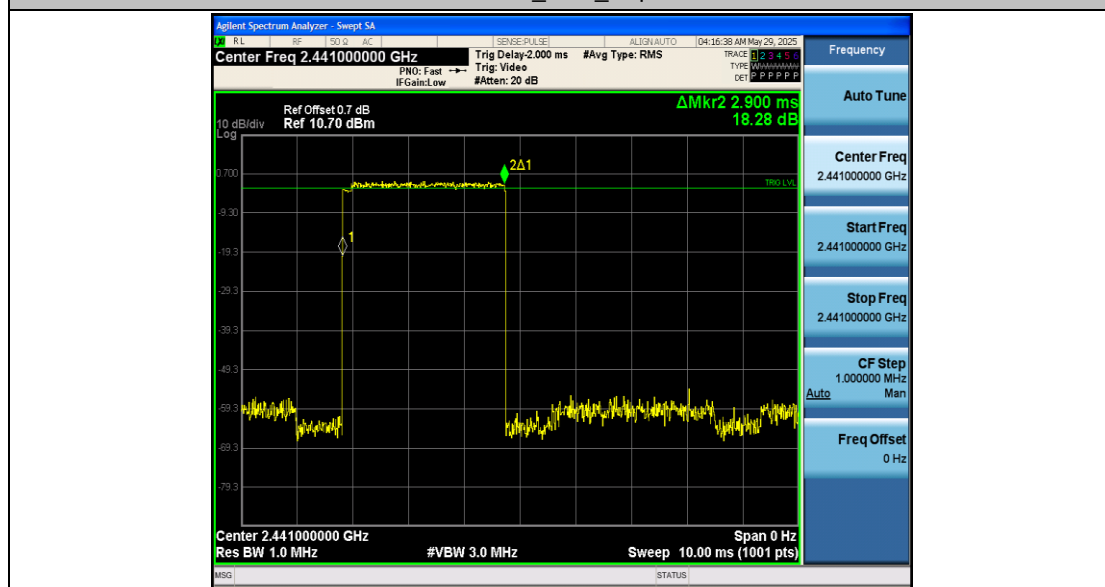
2DH1_Ant1_Hop

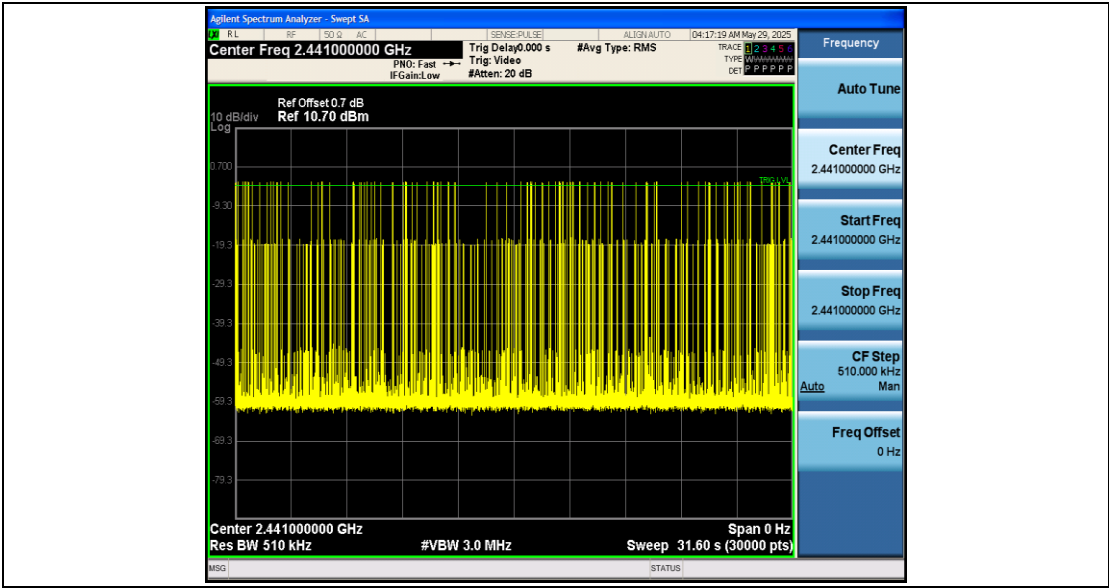


2DH3_Ant1_Hop



2DH5_Ant1_Hop



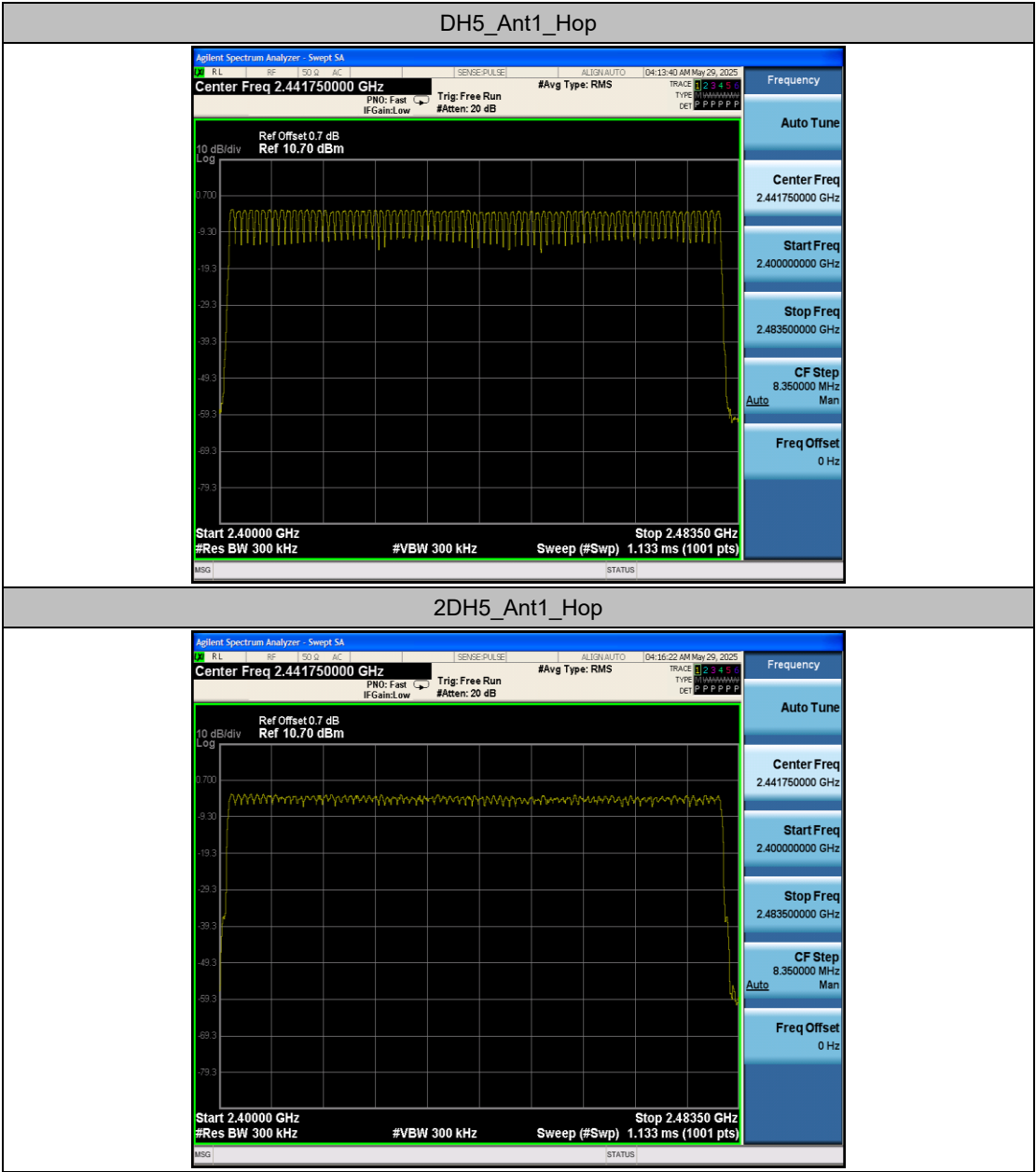


Appendix F: Number of hopping channels

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

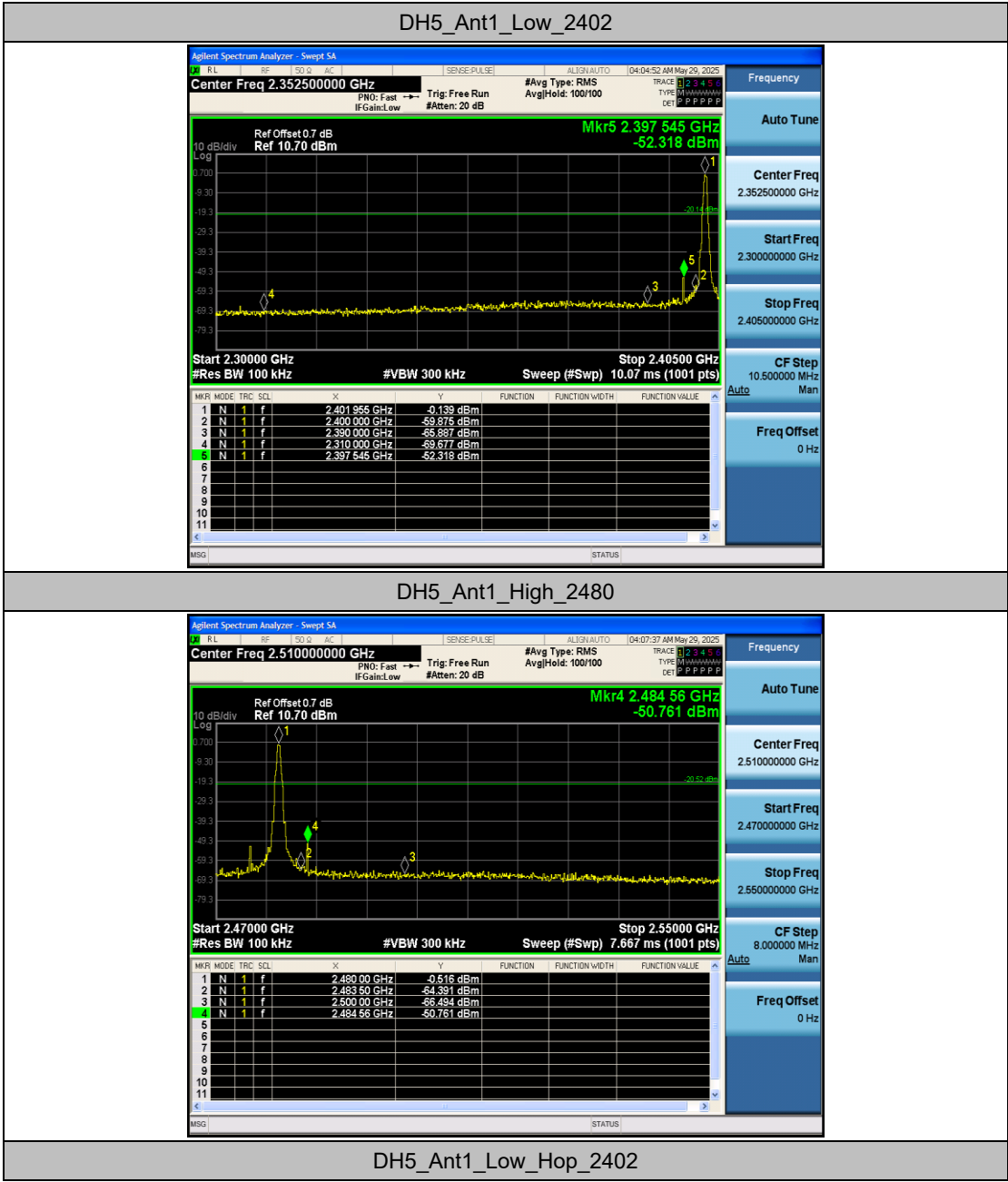


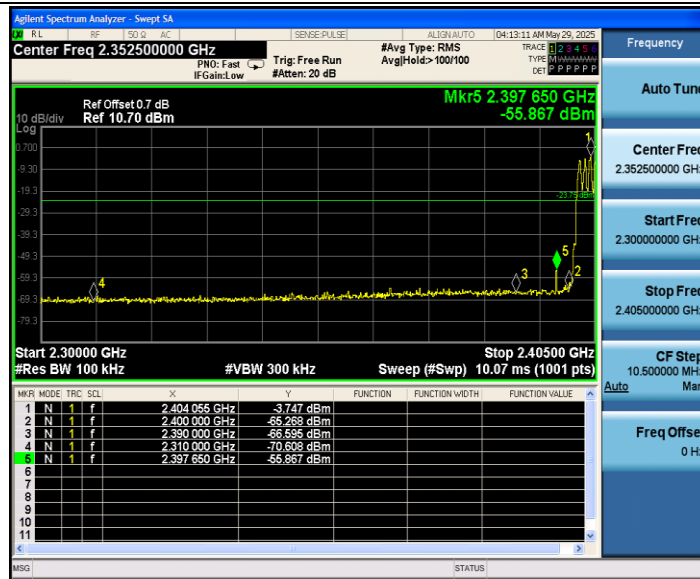
Appendix G: Band edge measurements

Test Result

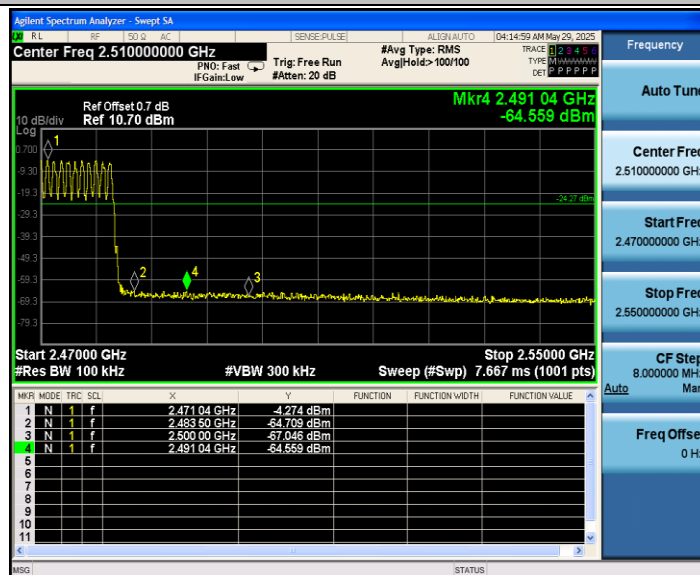
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.14	-52.32	≤-20.14	PASS
		High	2480	-0.52	-50.76	≤-20.52	PASS
		Low	Hop_2402	-3.75	-55.87	≤-23.75	PASS
		High	Hop_2480	-4.27	-64.56	≤-24.27	PASS
2DH5	Ant1	Low	2402	-3.97	-55.89	≤-23.97	PASS
		High	2480	-4.72	-63.69	≤-24.72	PASS
		Low	Hop_2402	-4.54	-62.21	≤-24.54	PASS
		High	Hop_2480	-3.42	-62.27	≤-23.42	PASS

Test Graphs

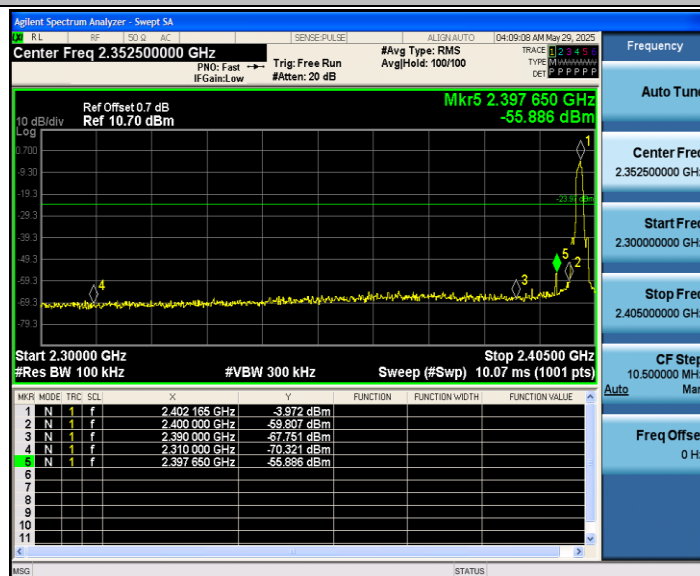




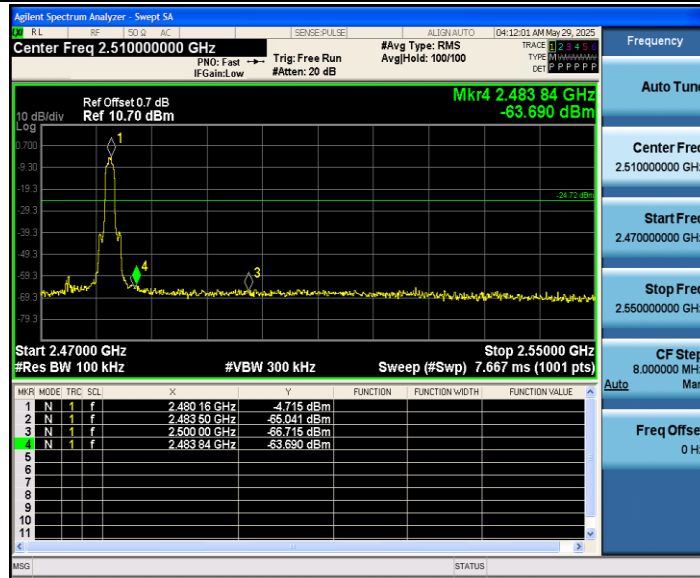
DH5_Ant1_High_Hop_2480



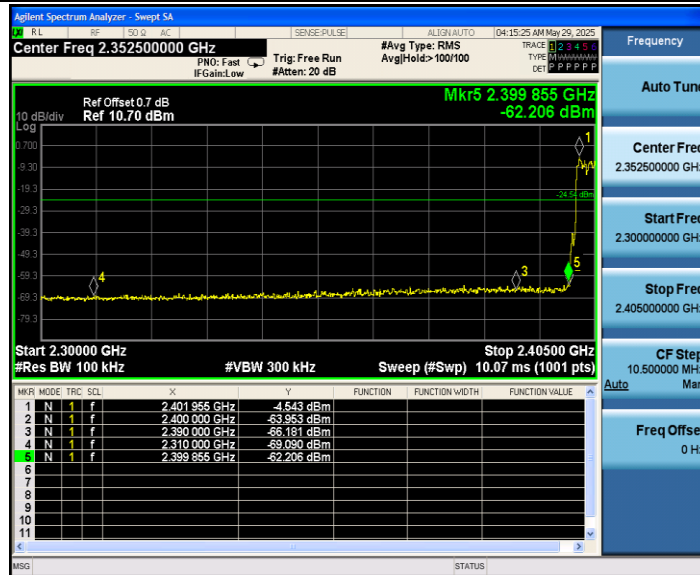
2DH5_Ant1_Low_2402



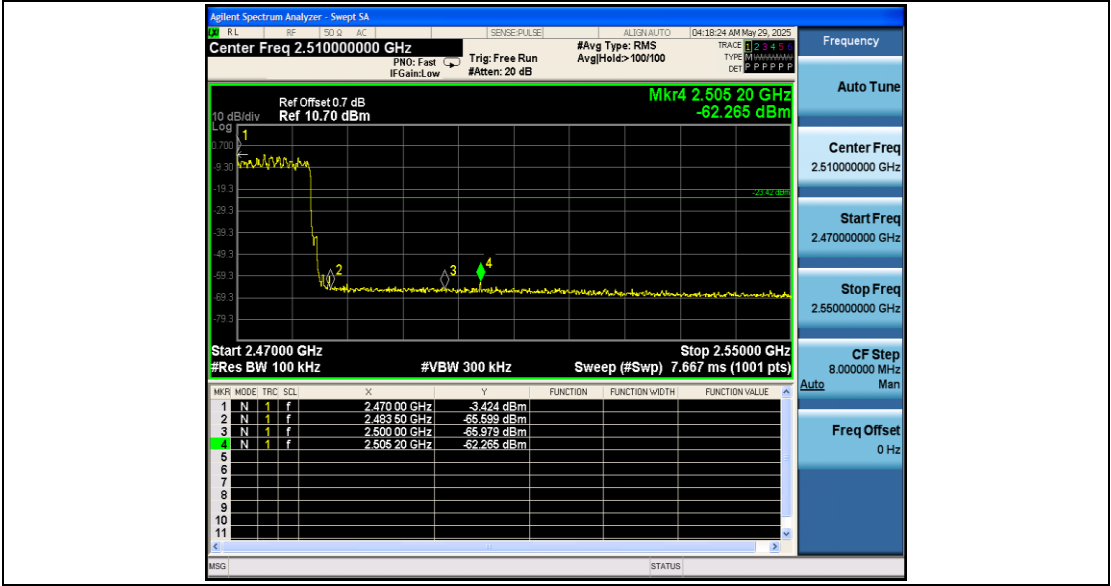
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

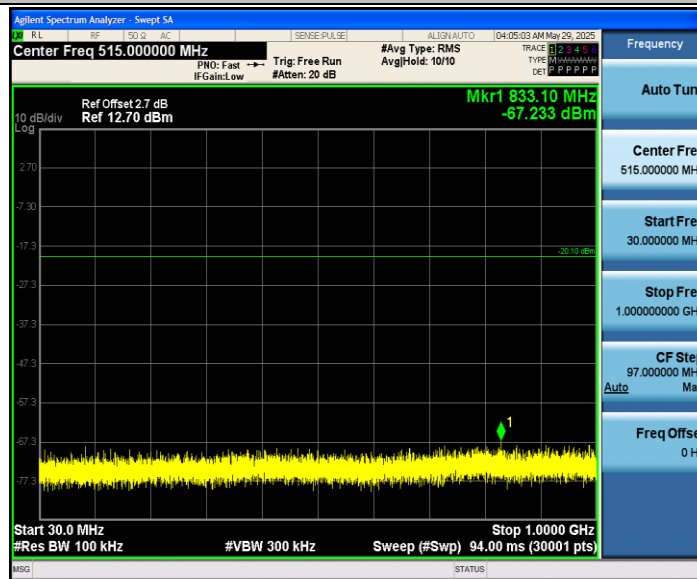
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-67.23	≤-20.1	PASS
			1000~26500	-0.10	-41.84	≤-20.1	PASS
		2441	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-66.59	≤-20.67	PASS
			1000~26500	-0.67	-43.2	≤-20.67	PASS
		2480	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-67.69	≤-21.11	PASS
			1000~26500	-1.11	-44.58	≤-21.11	PASS
2DH5	Ant1	2402	Reference	-4.64	-4.64	---	PASS
			30~1000	-4.64	-68.04	≤-24.64	PASS
			1000~26500	-4.64	-49.37	≤-24.64	PASS
		2441	Reference	-7.19	-7.19	---	PASS
			30~1000	-7.19	-67.85	≤-27.19	PASS
			1000~26500	-7.19	-46.08	≤-27.19	PASS
		2480	Reference	-5.78	-5.78	---	PASS
			30~1000	-5.78	-67.97	≤-25.78	PASS
			1000~26500	-5.78	-49.81	≤-25.78	PASS

Test Graphs

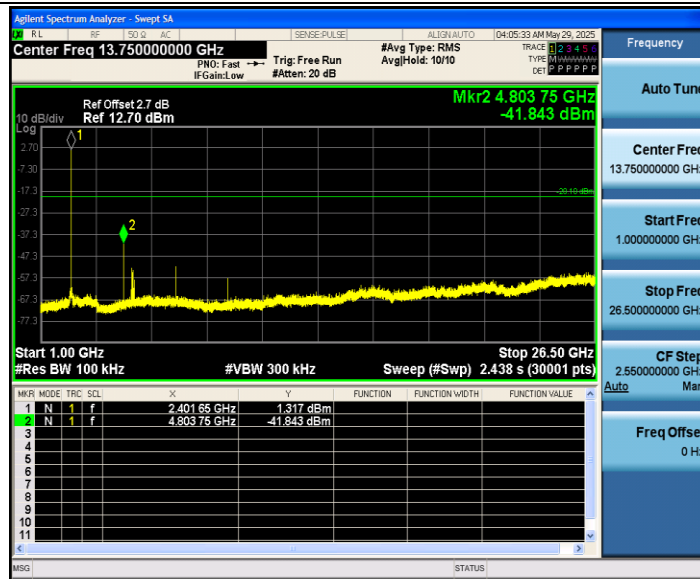
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



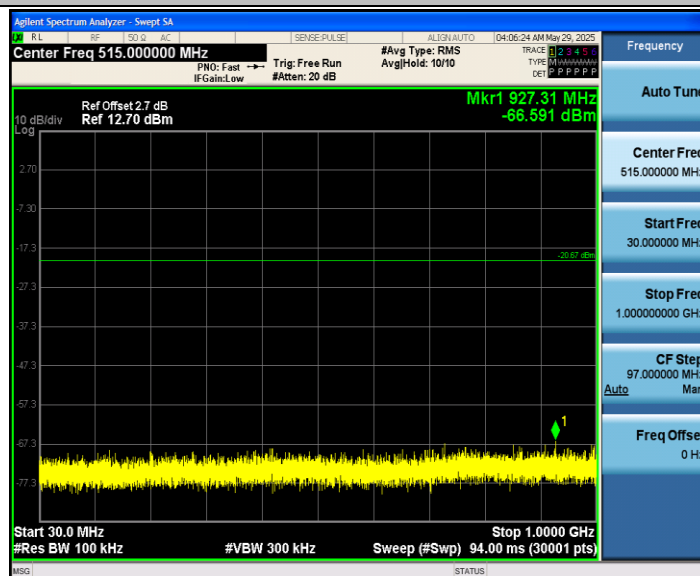
DH5_Ant1_2402_1000~26500



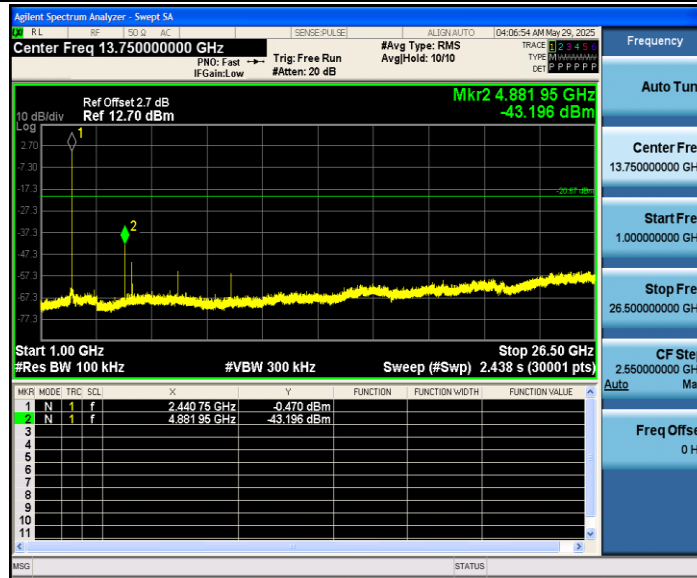
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



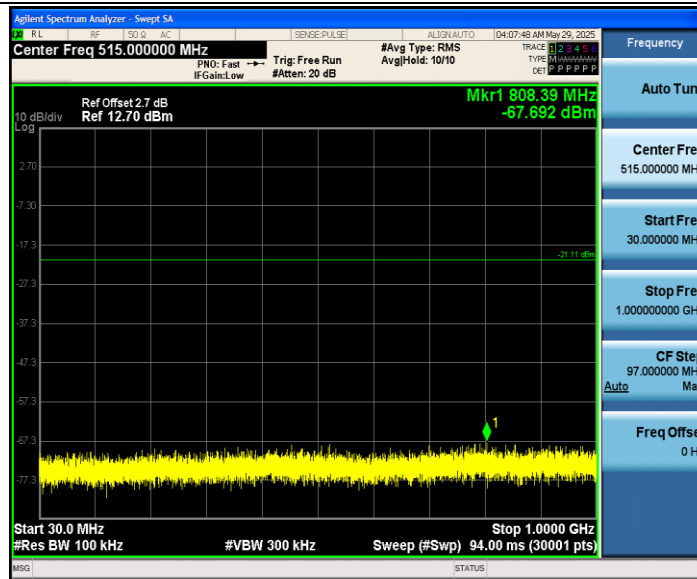
DH5_Ant1_2441_1000~26500



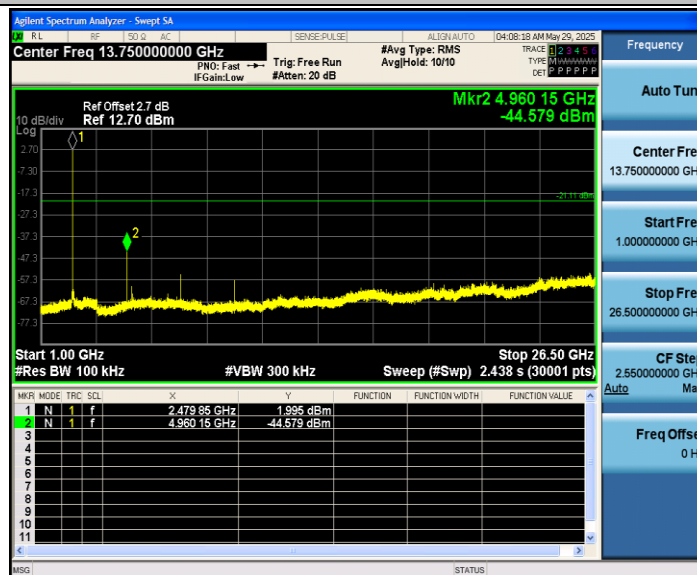
DH5_Ant1_2480_0~Reference



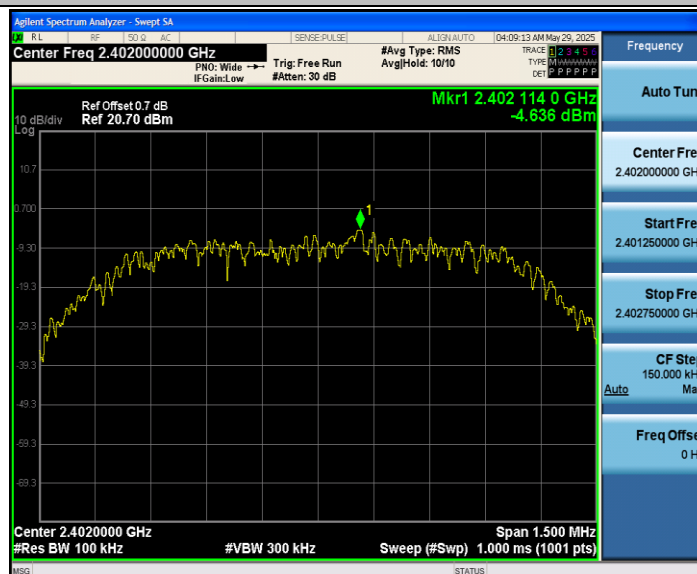
DH5_Ant1_2480_30~1000



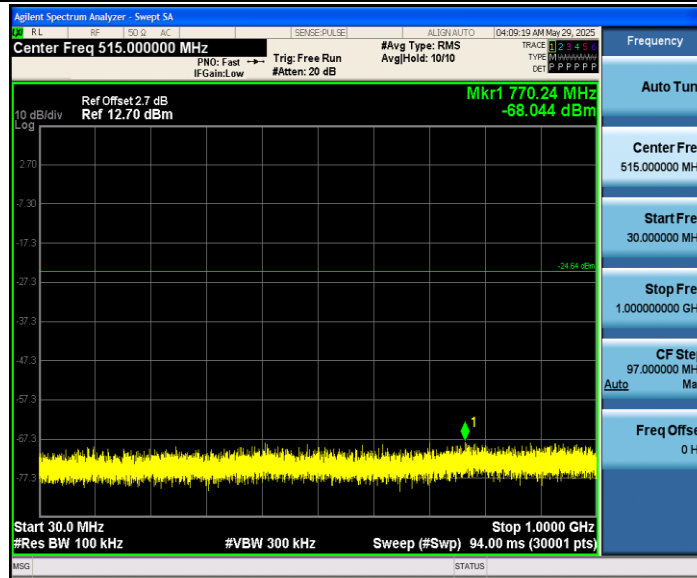
DH5_Ant1_2480_1000~26500



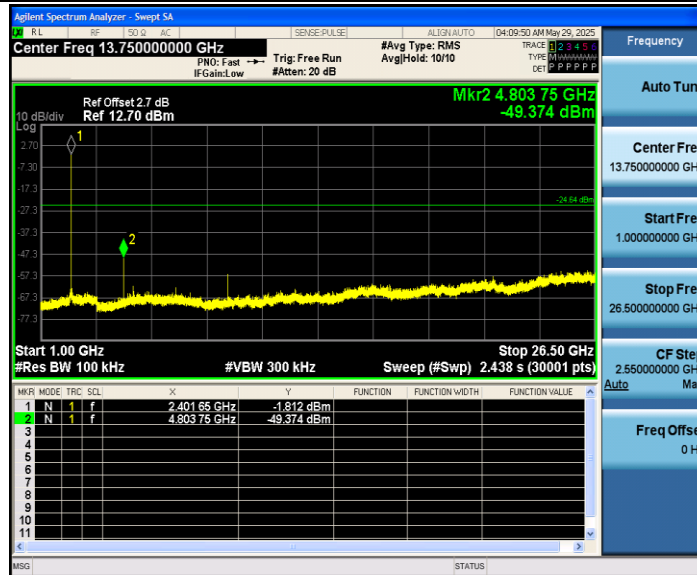
2DH5_Ant1_2402_0~Reference



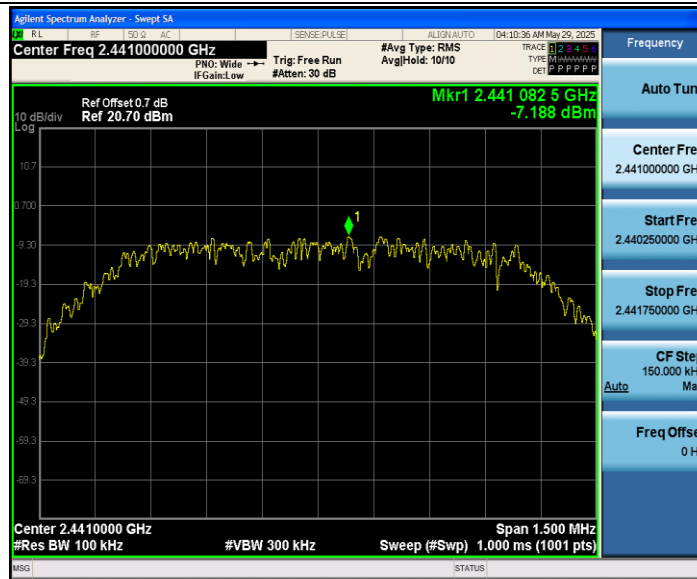
2DH5_Ant1_2402_30~1000



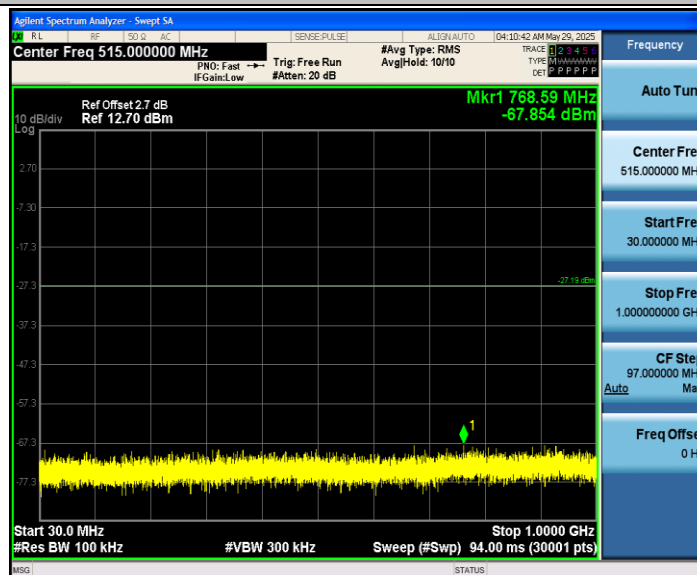
2DH5_Ant1_2402_1000~26500



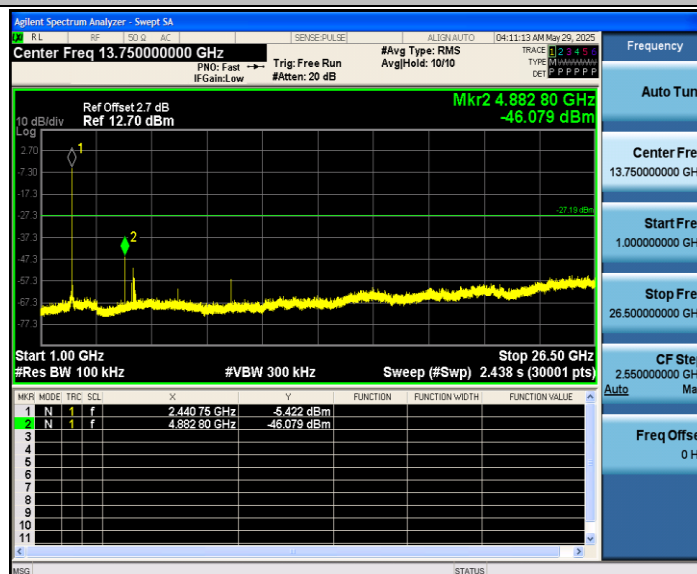
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



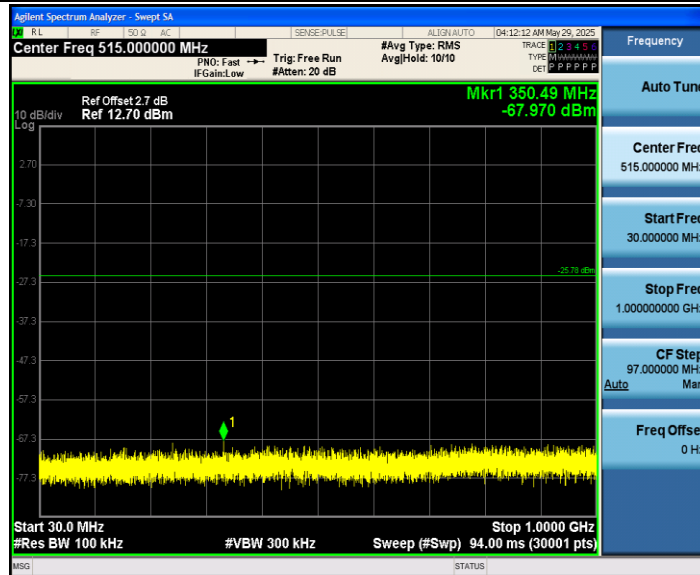
2DH5_Ant1_2441_1000~26500



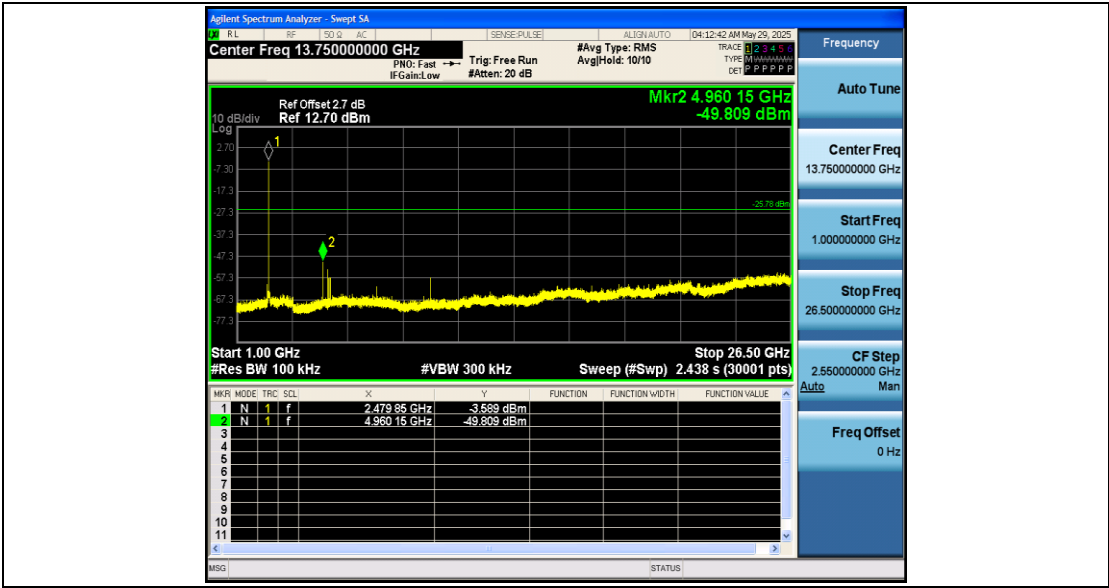
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

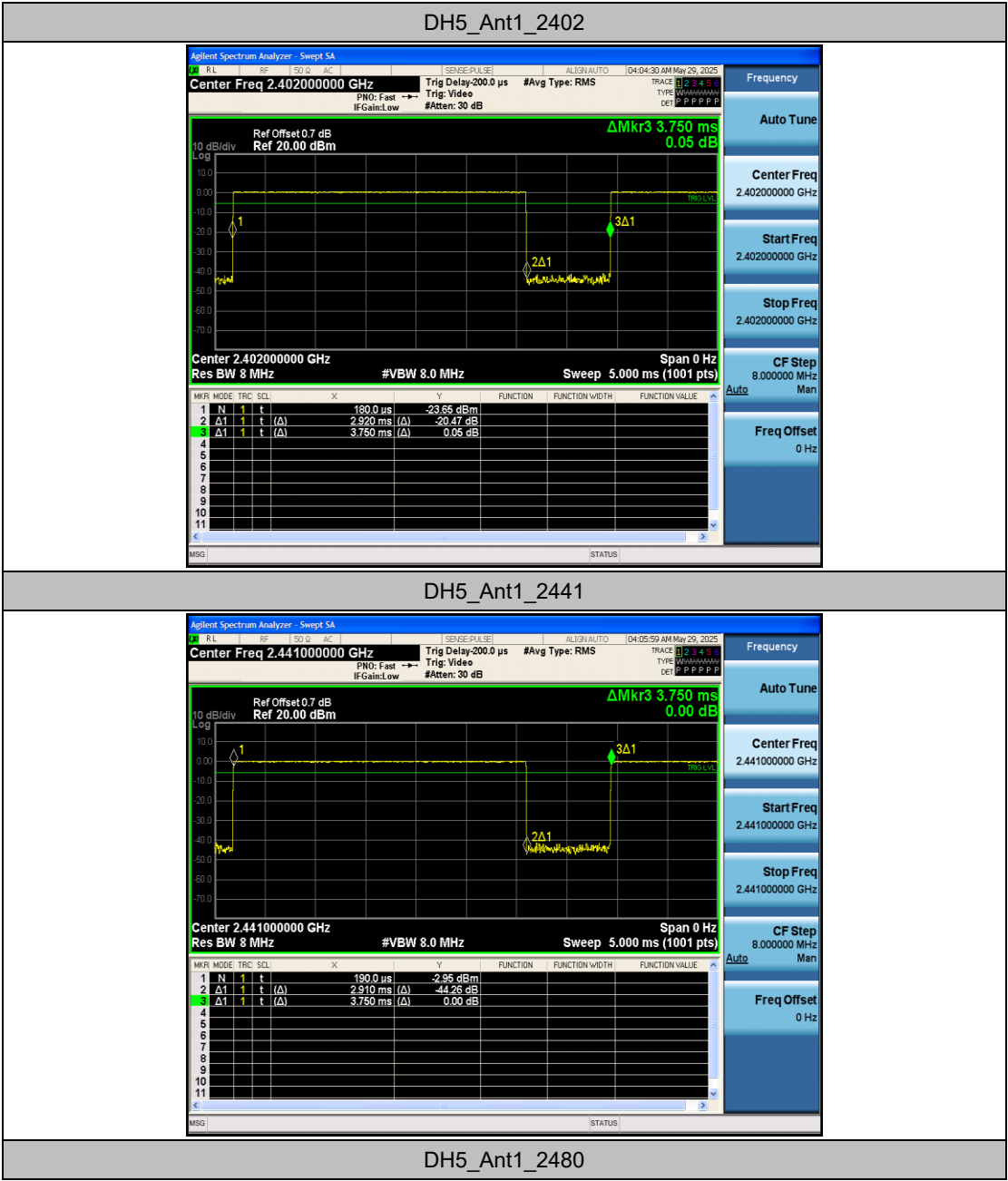


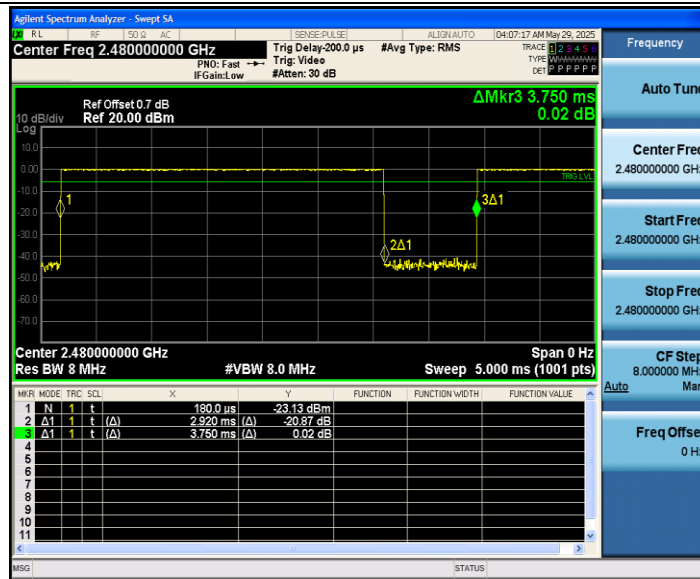
Appendix I: Duty Cycle

Test Result

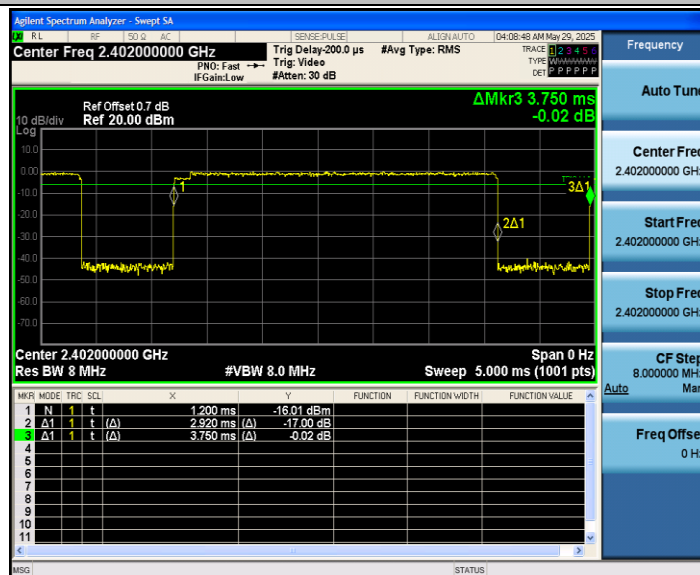
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.92	3.75	77.87	1.09	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09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

Test Graphs

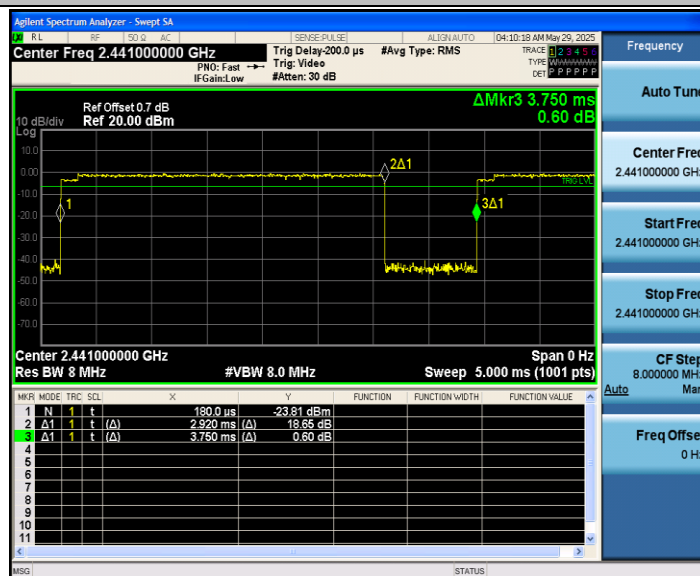




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

