

FCC Appendix RF Test Data for BT

FCC ID : 2BVG-SECHOER23

Company : Shenzhen Sechoer Technology Co., Ltd.

EUT : Bluetooth audio

Model Number : Sechoer23

Report No. : CTA26083100101

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	0.966	2440.541	2441.507	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH5	Ant1	2402	1.317	2401.352	2402.669	---	---
		2441	1.323	2440.346	2441.669	---	---
		2480	1.281	2479.382	2480.663	---	---
3DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
		2441	1.281	2440.367	2441.648	---	---
		2480	1.305	2479.364	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

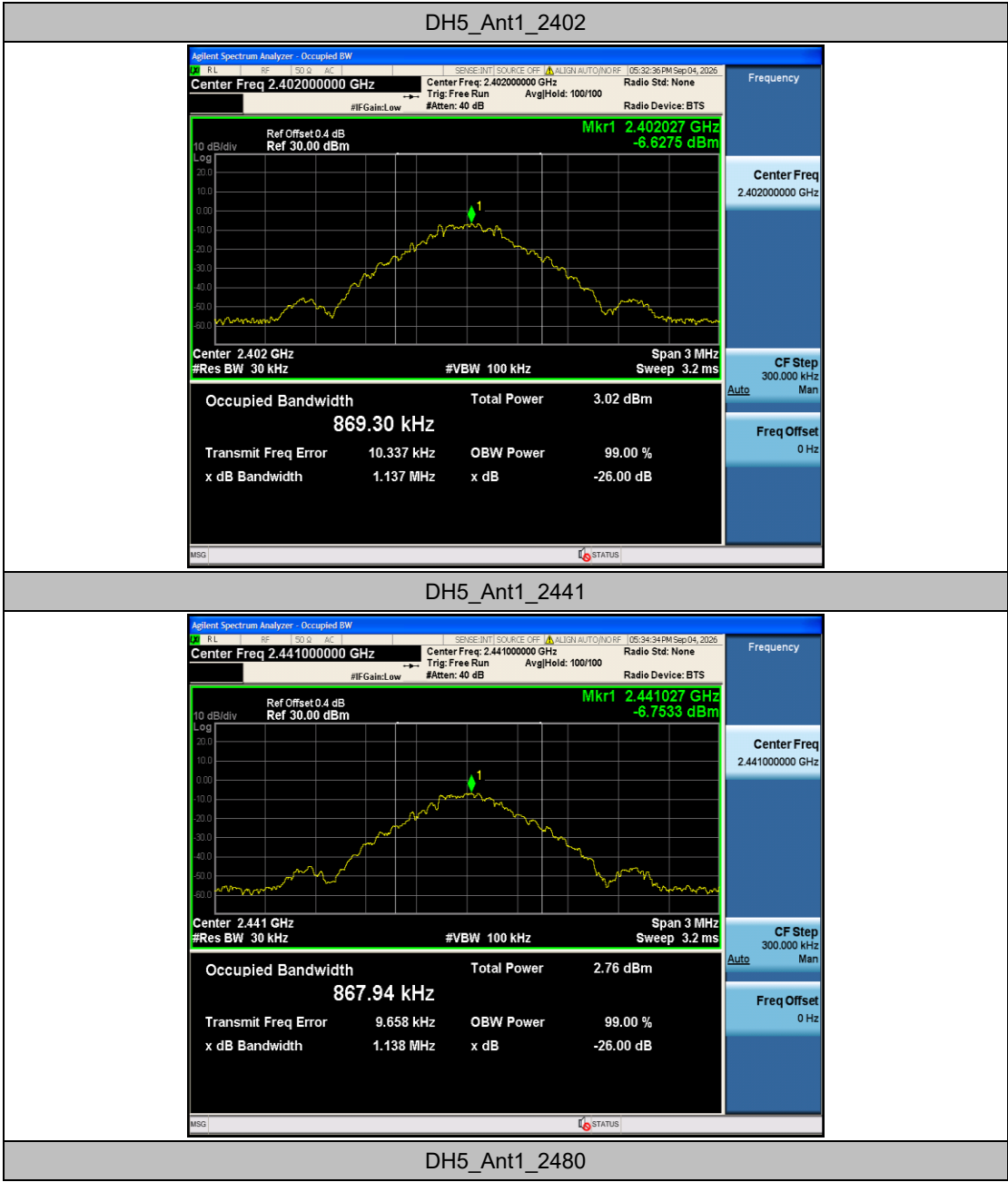


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86930	2401.5757	2402.4450	---	---
		2441	0.86794	2440.5757	2441.4436	---	---
		2480	0.84915	2479.5884	2480.4376	---	---
2DH5	Ant1	2402	1.1903	2401.4136	2402.6039	---	---
		2441	1.1947	2440.4127	2441.6074	---	---
		2480	1.1816	2479.4207	2480.6023	---	---
3DH5	Ant1	2402	1.1810	2401.4199	2402.6009	---	---
		2441	1.2007	2440.4089	2441.6096	---	---
		2480	1.1895	2479.4152	2480.6047	---	---

Test Graphs





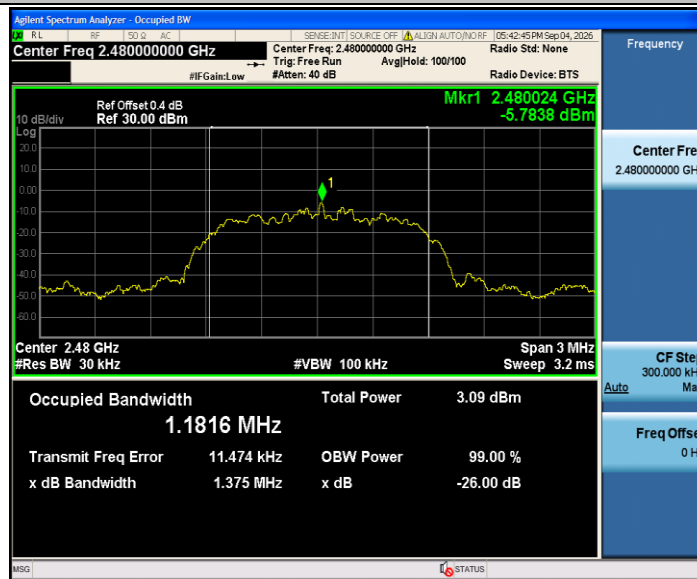
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

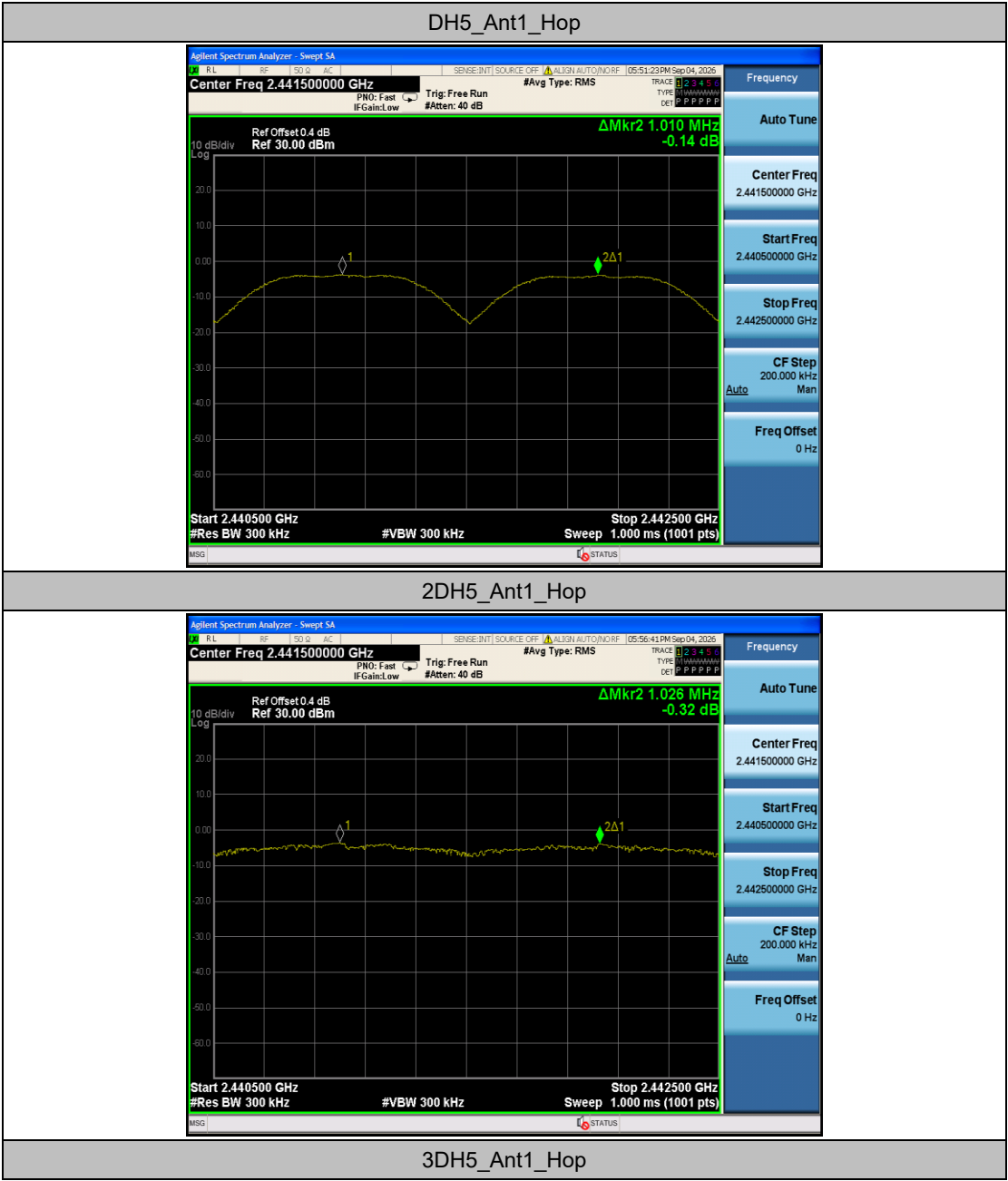
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.46	≤20.97	PASS
		2441	-3.54	≤20.97	PASS
		2480	-3.79	≤20.97	PASS
2DH5	Ant1	2402	-0.78	≤20.97	PASS
		2441	-0.90	≤20.97	PASS
		2480	-1.18	≤20.97	PASS
3DH5	Ant1	2402	-0.42	≤20.97	PASS
		2441	-0.59	≤20.97	PASS
		2480	-0.80	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥ 0.966	PASS
2DH5	Ant1	Hop	1.026	≥ 0.882	PASS
3DH5	Ant1	Hop	1.034	≥ 0.878	PASS

Test Graphs



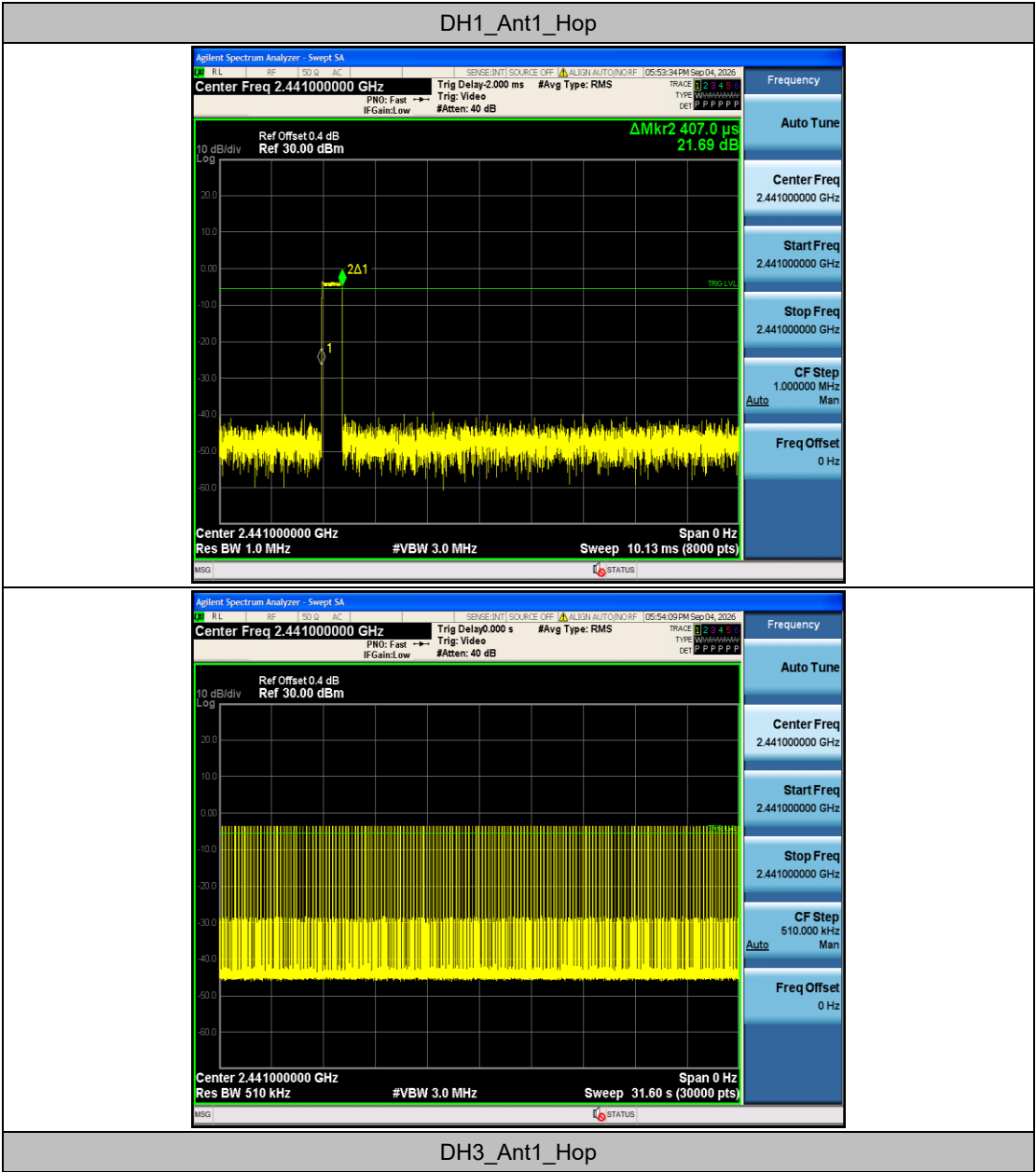


Appendix E: Time of occupancy

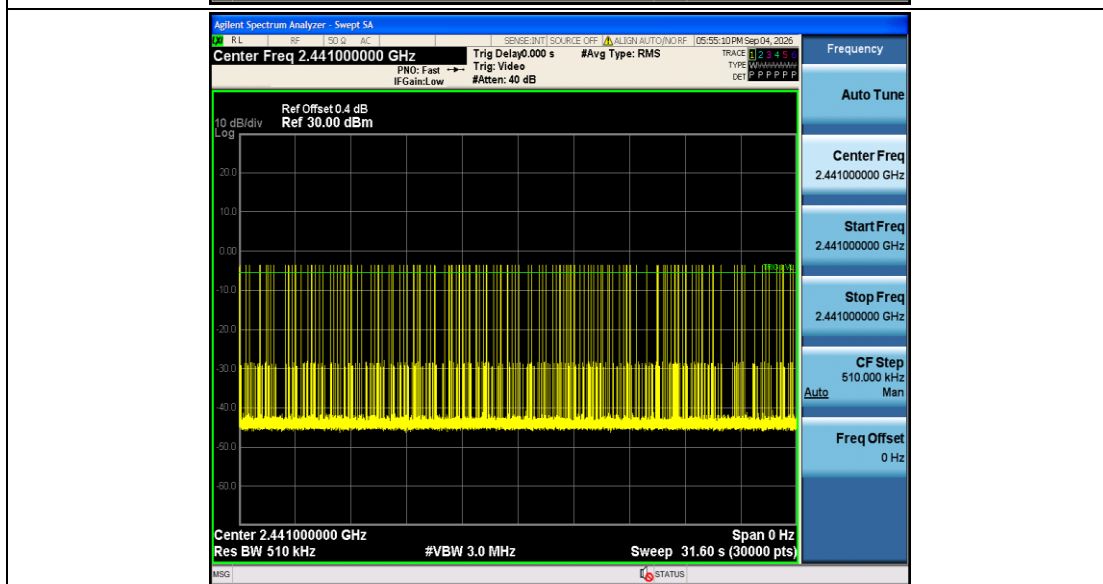
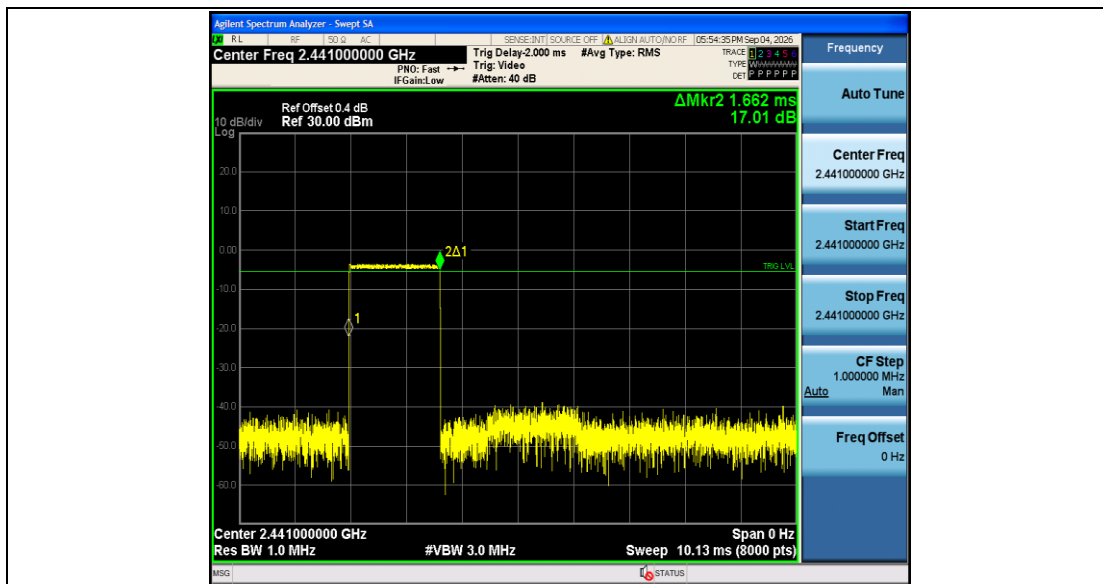
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	317	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	148	0.246	≤0.4	PASS
DH5	Ant1	Hop	2.910	97	0.282	≤0.4	PASS
2DH1	Ant1	Hop	0.417	316	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	155	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.916	111	0.324	≤0.4	PASS
3DH1	Ant1	Hop	0.414	320	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	155	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.917	108	0.315	≤0.4	PASS

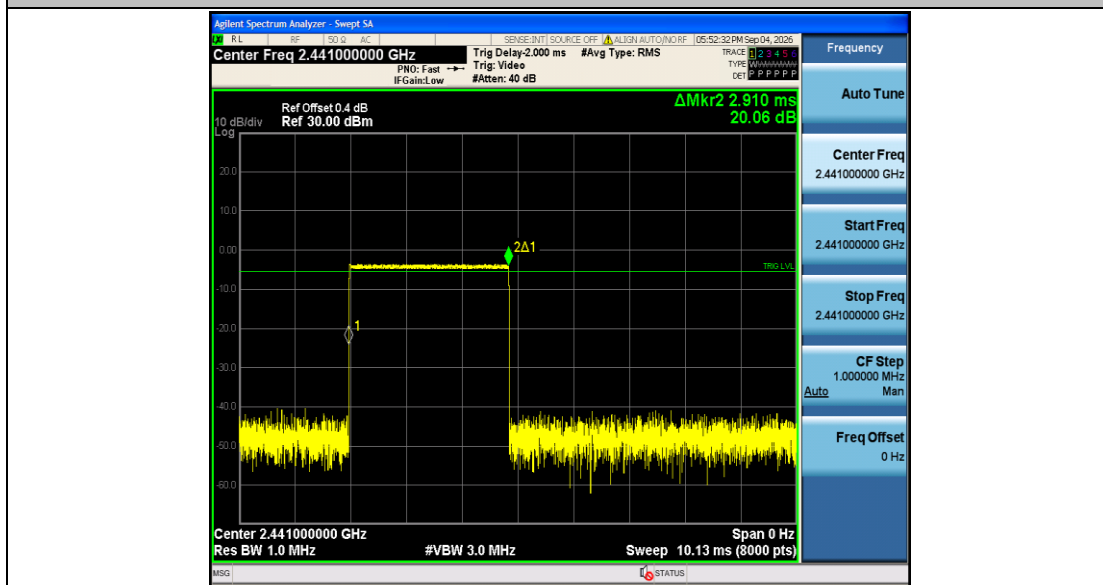
Test Graphs

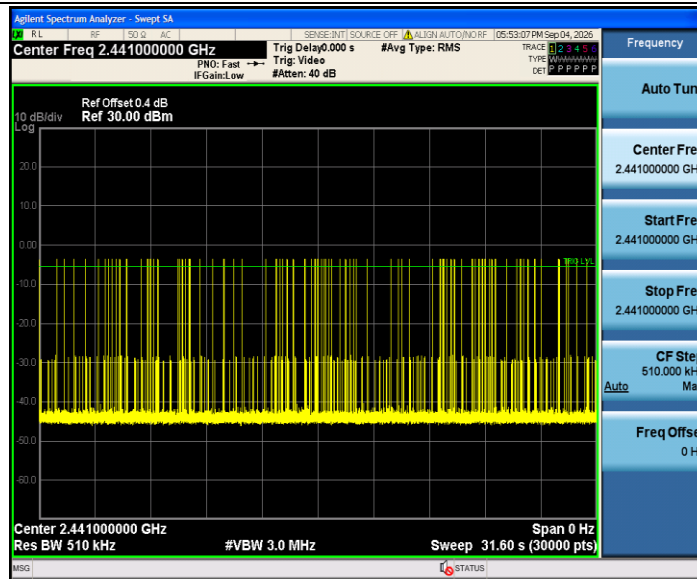


DH3_Ant1_Hop

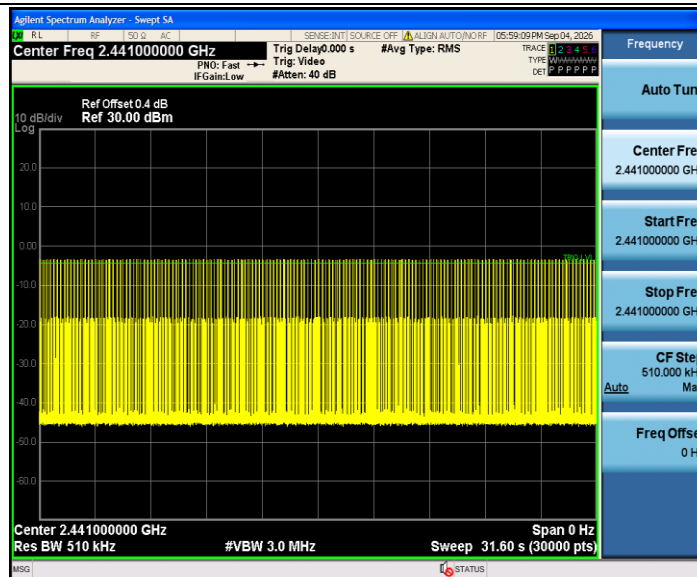
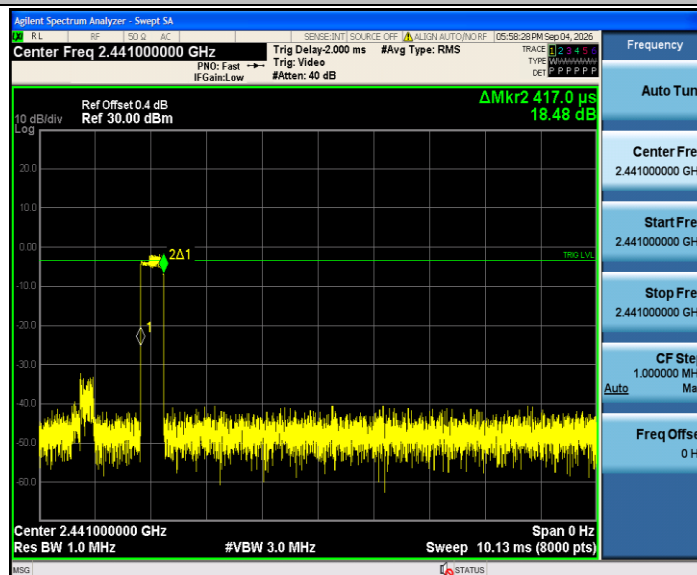


DH5_Ant1_Hop

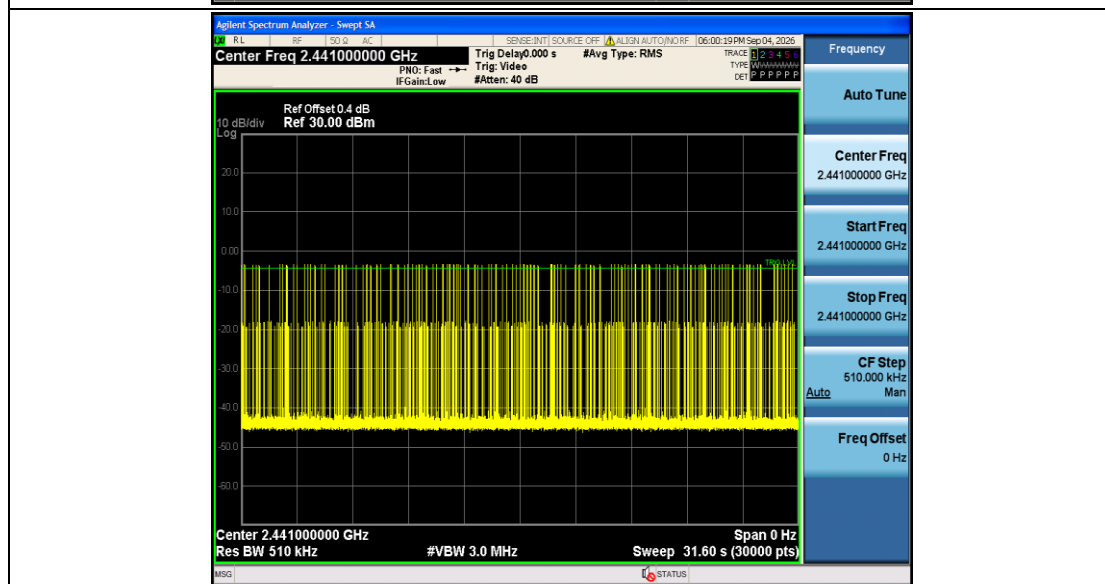
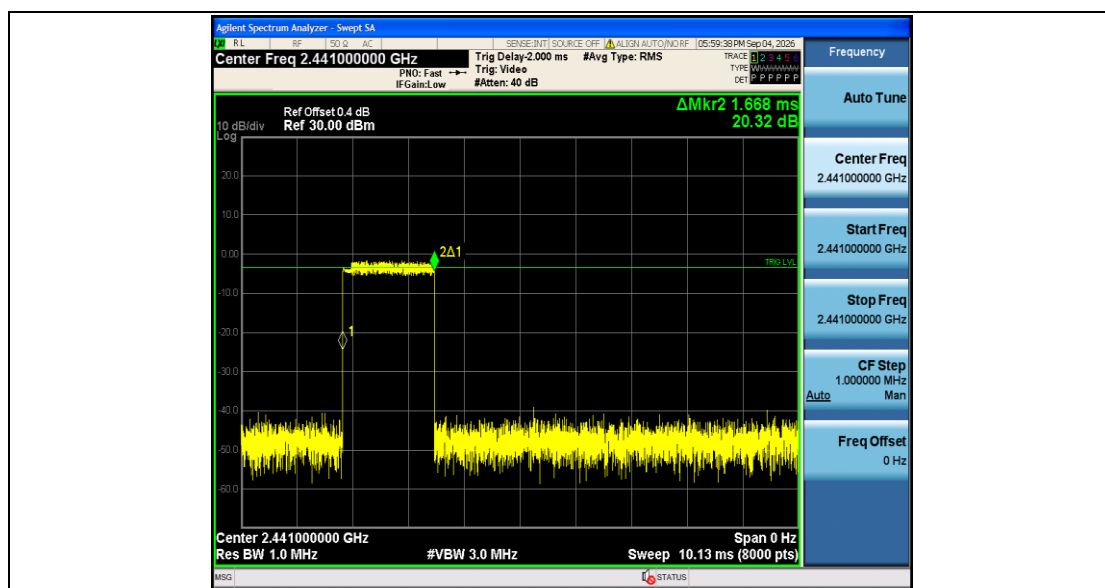




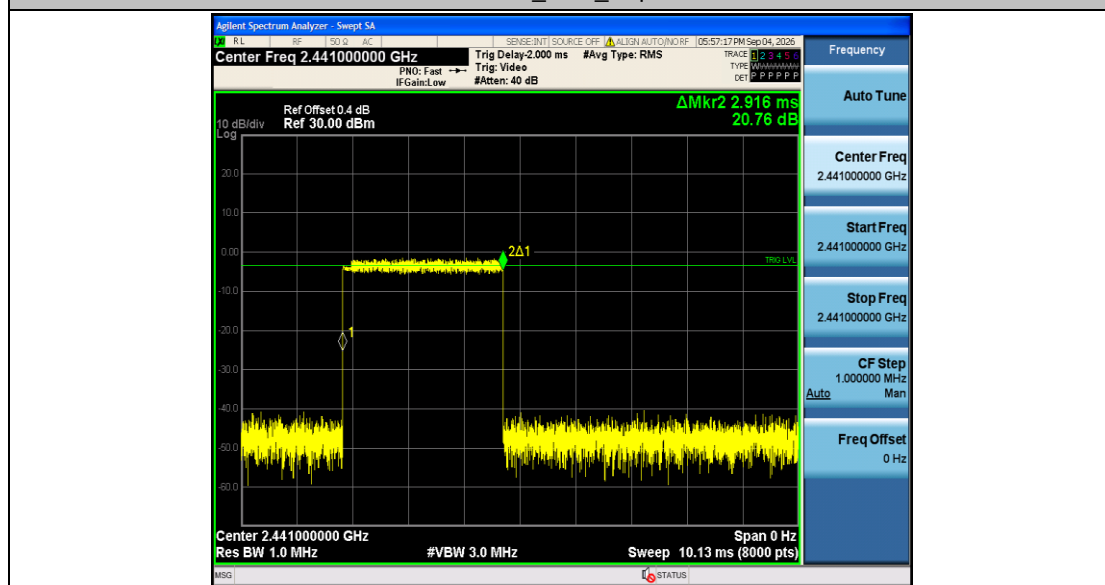
2DH1_Ant1_Hop

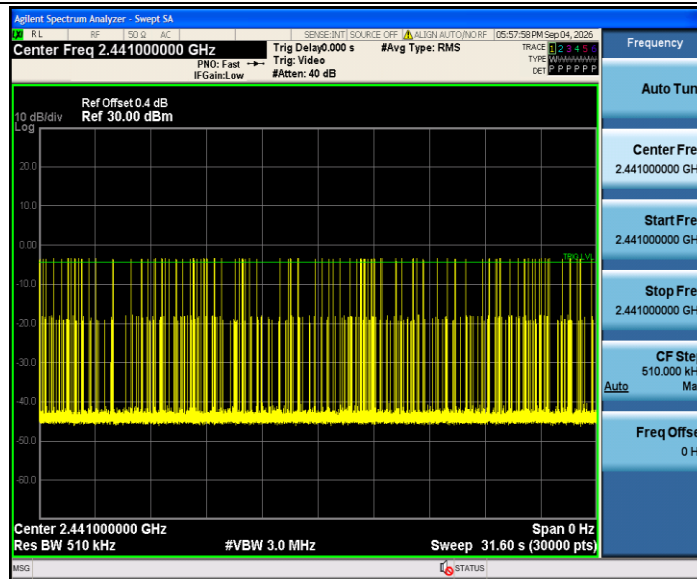


2DH3_Ant1_Hop

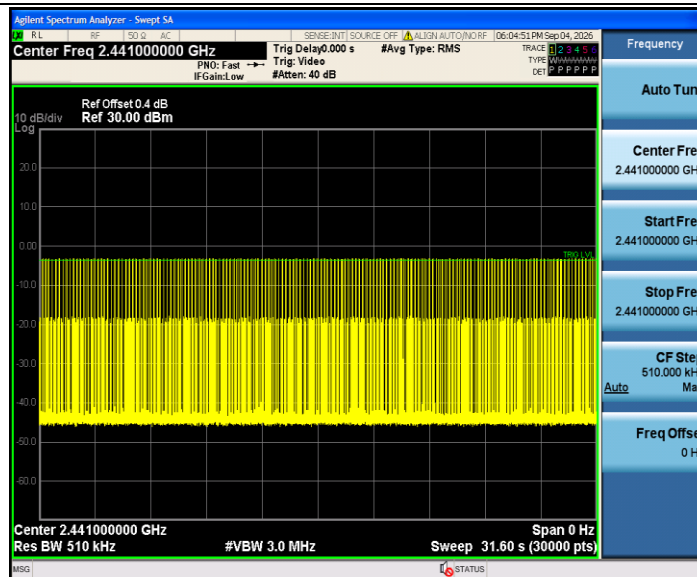
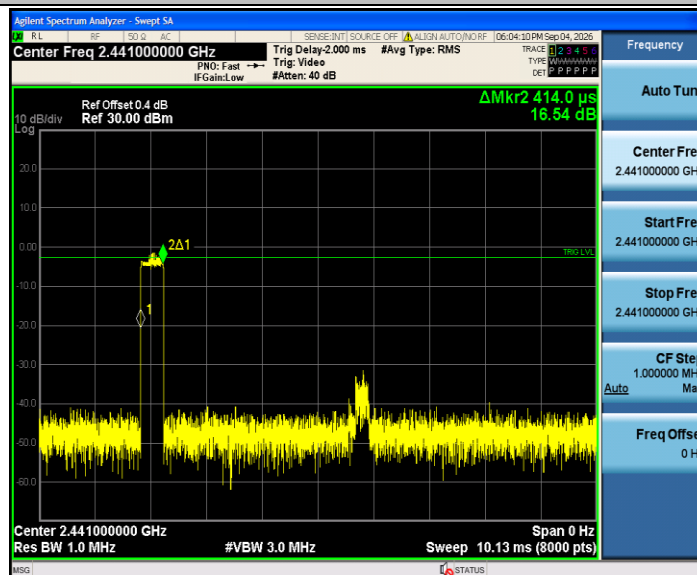


2DH5_Ant1_Hop

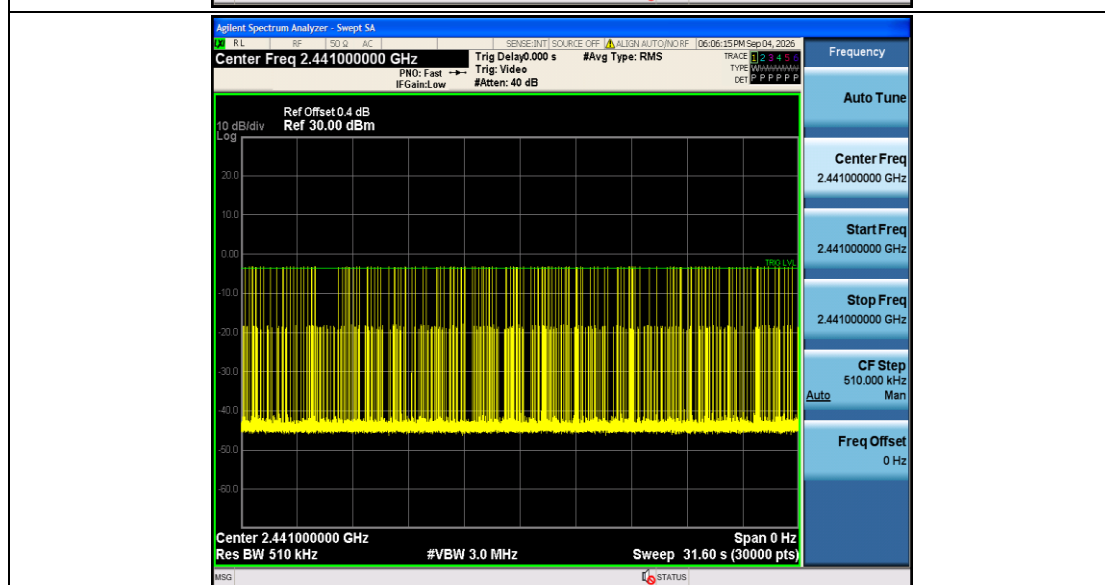
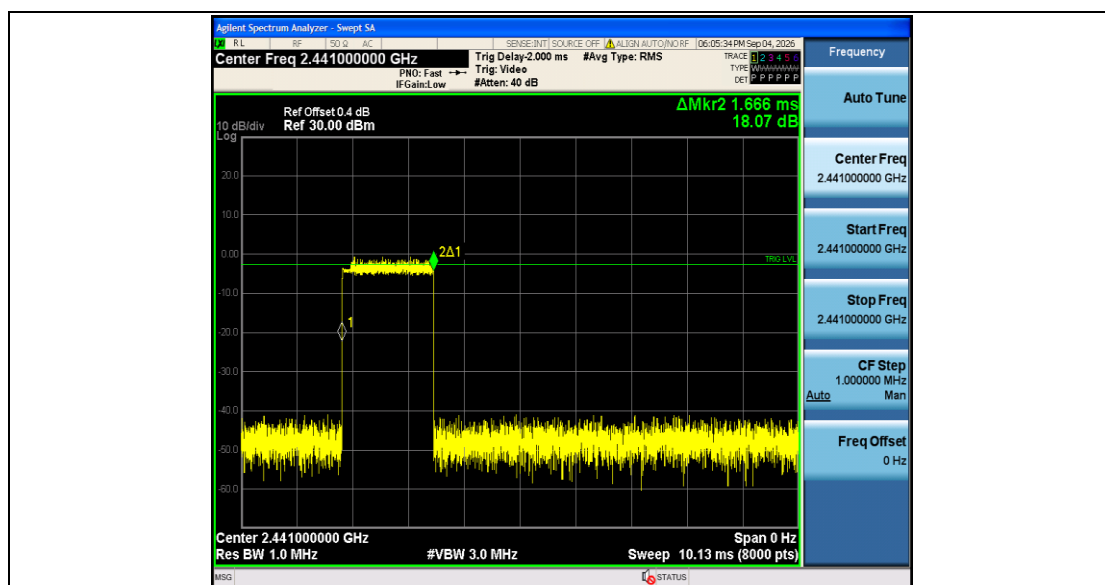




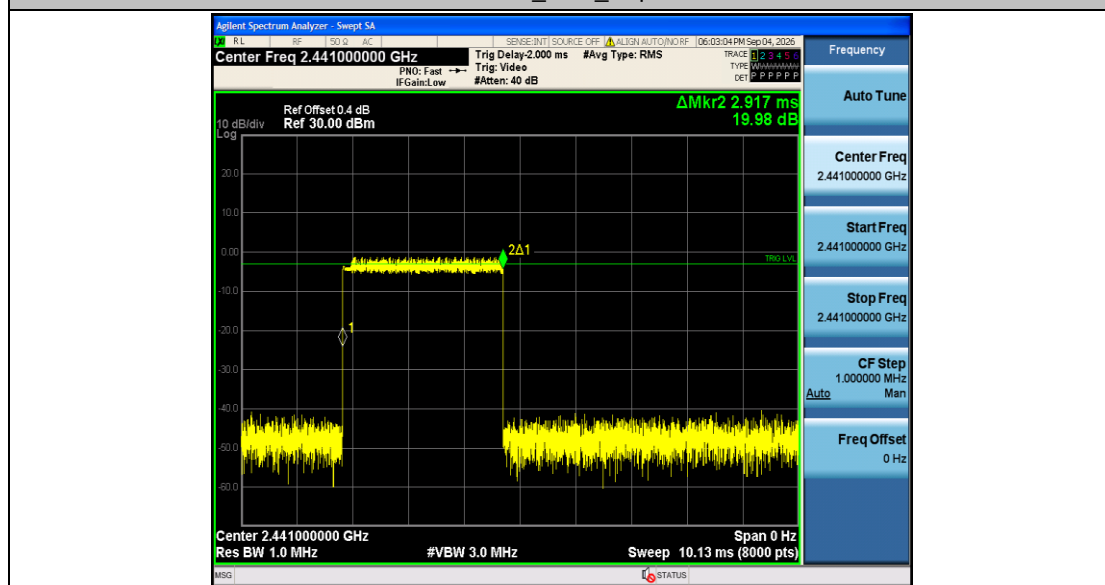
3DH1_Ant1_Hop

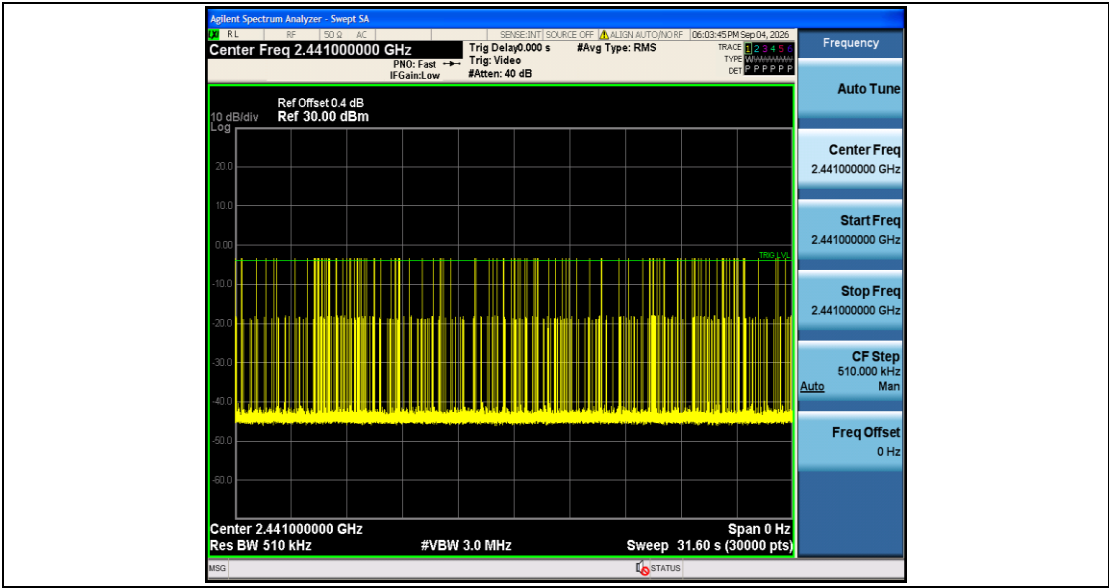


3DH3_Ant1_Hop



3DH5_Ant1_Hop



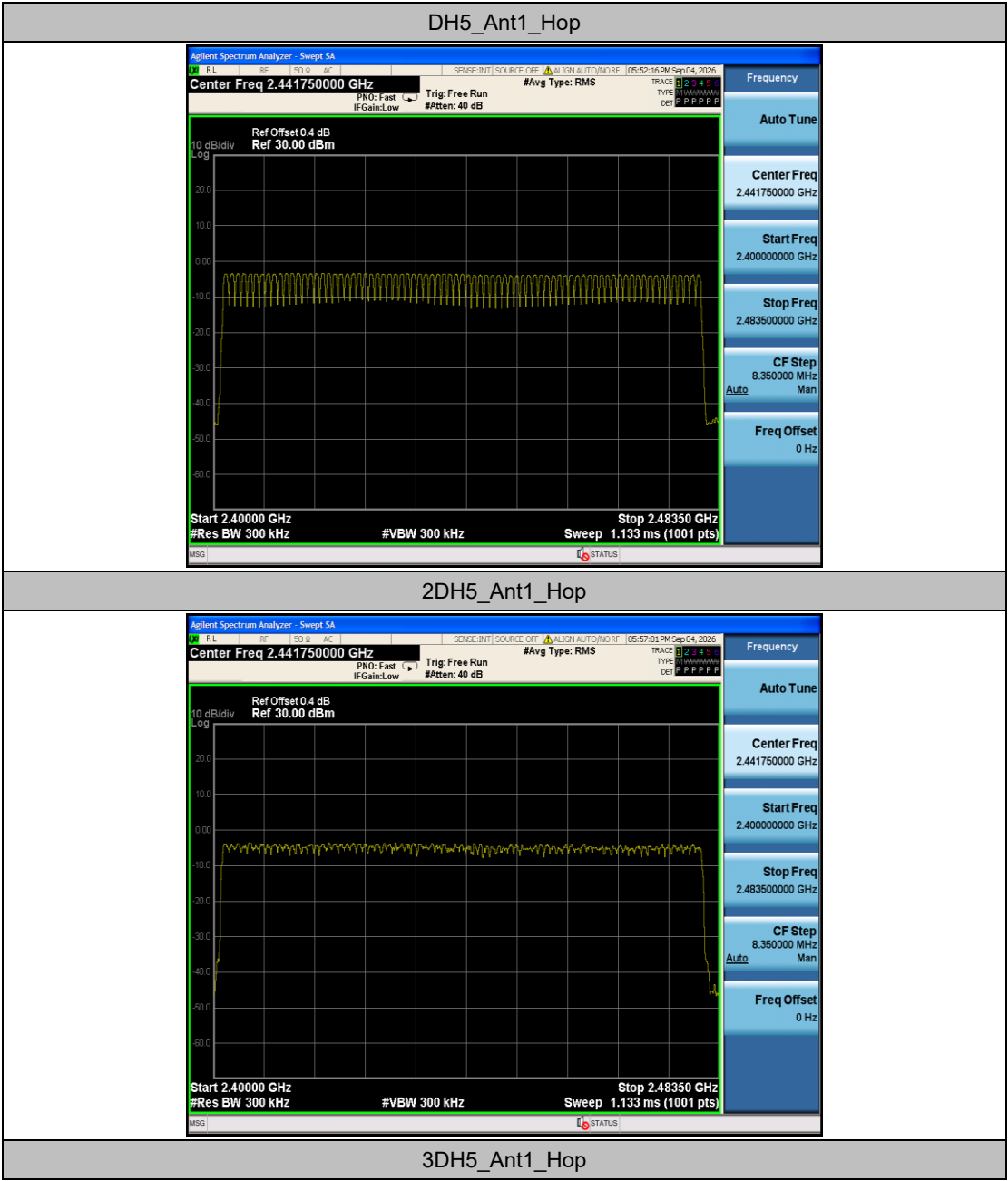


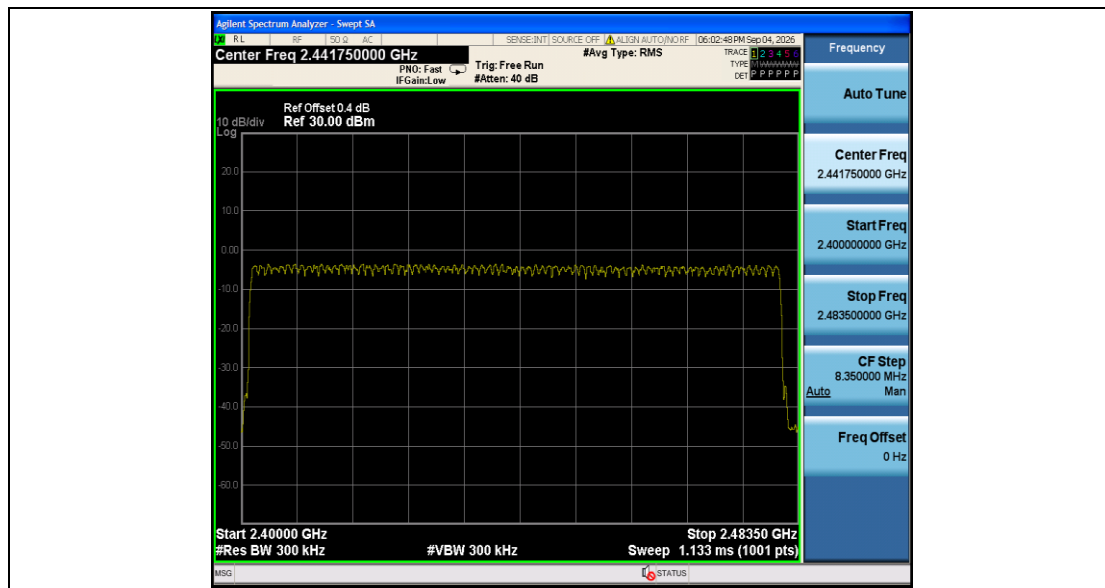
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



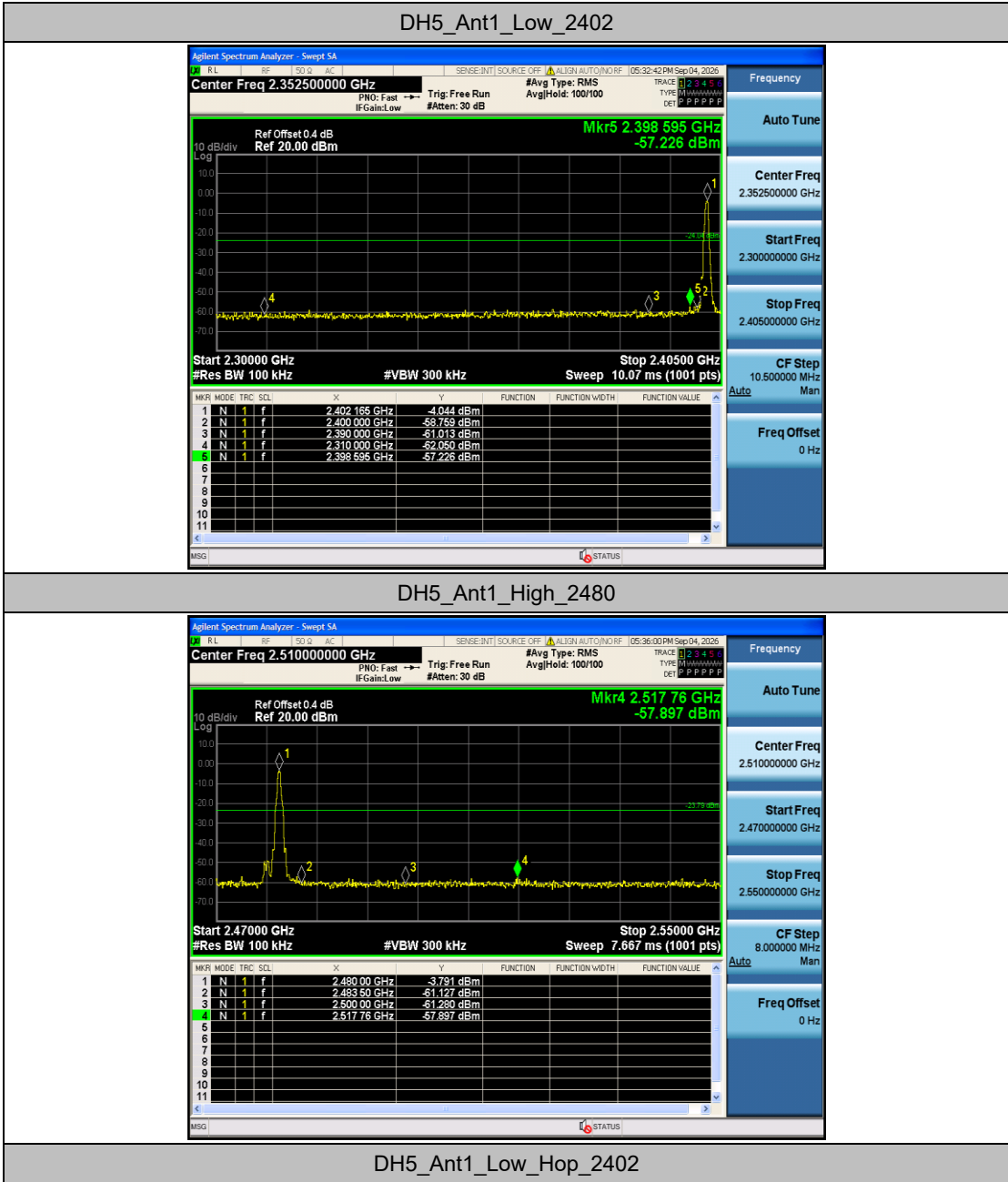


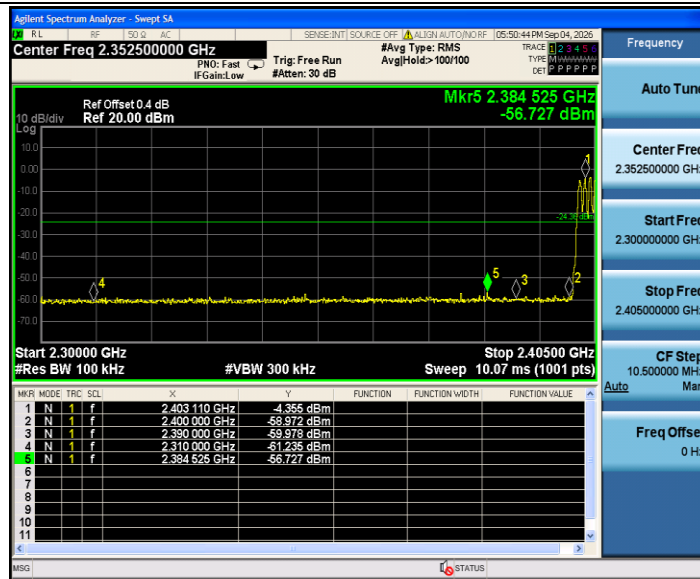
Appendix G: Band edge measurements

Test Result

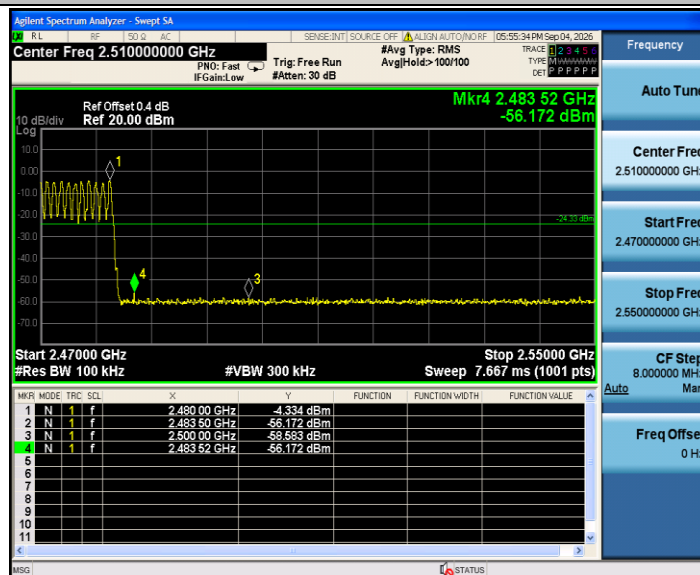
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.04	-57.23	≤ -24.04	PASS
		High	2480	-3.79	-57.9	≤ -23.79	PASS
		Low	Hop_2402	-4.36	-56.73	≤ -24.36	PASS
		High	Hop_2480	-4.33	-56.17	≤ -24.33	PASS
2DH5	Ant1	Low	2402	-4.39	-58.34	≤ -24.39	PASS
		High	2480	-4.00	-57.61	≤ -24	PASS
		Low	Hop_2402	-6.72	-57.85	≤ -26.72	PASS
		High	Hop_2480	-6.08	-57.45	≤ -26.08	PASS
3DH5	Ant1	Low	2402	-3.47	-55.15	≤ -23.47	PASS
		High	2480	-4.19	-58	≤ -24.19	PASS
		Low	Hop_2402	-5.68	-54.63	≤ -25.68	PASS
		High	Hop_2480	-6.40	-57.94	≤ -26.4	PASS

Test Graphs

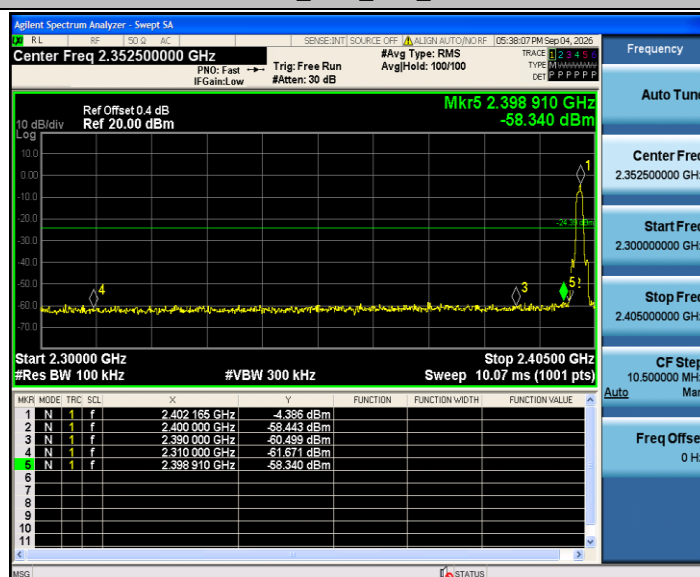




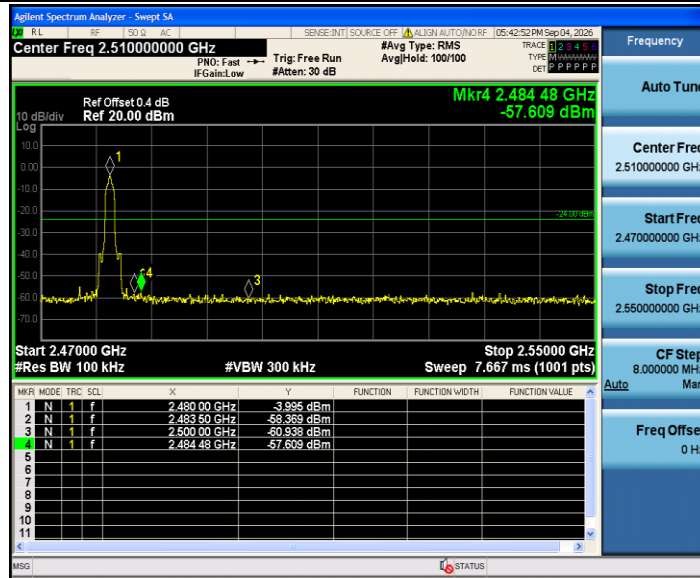
DH5_Ant1_High_Hop_2480



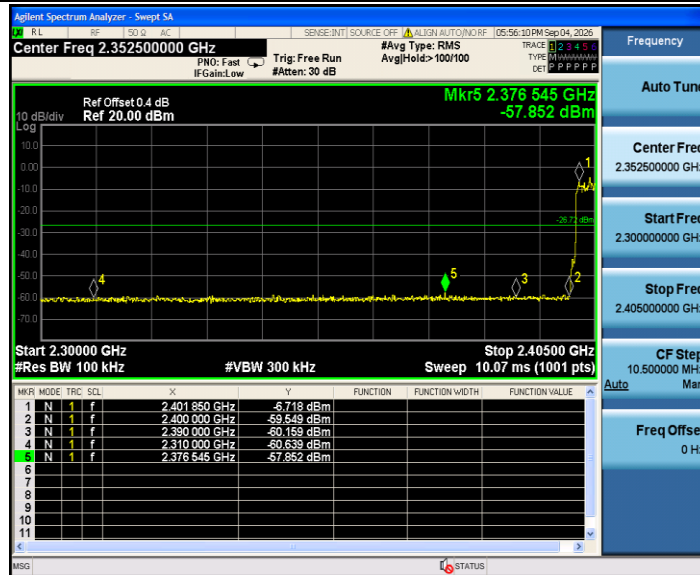
2DH5_Ant1_Low_2402



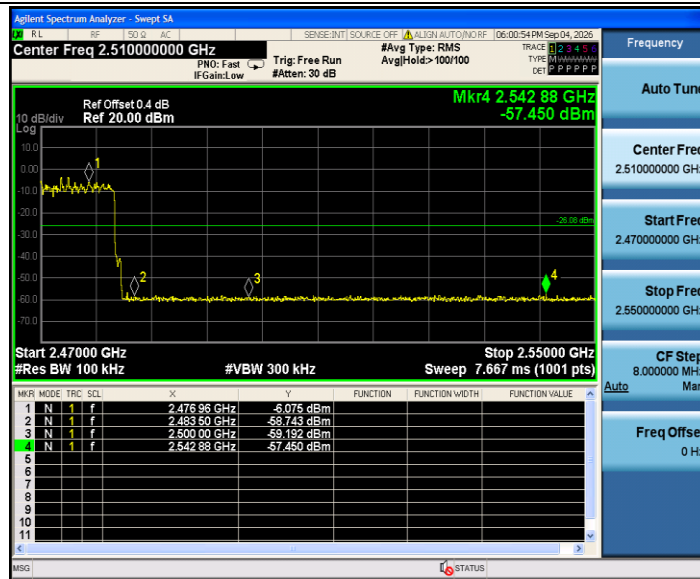
2DH5_Ant1_High_2480



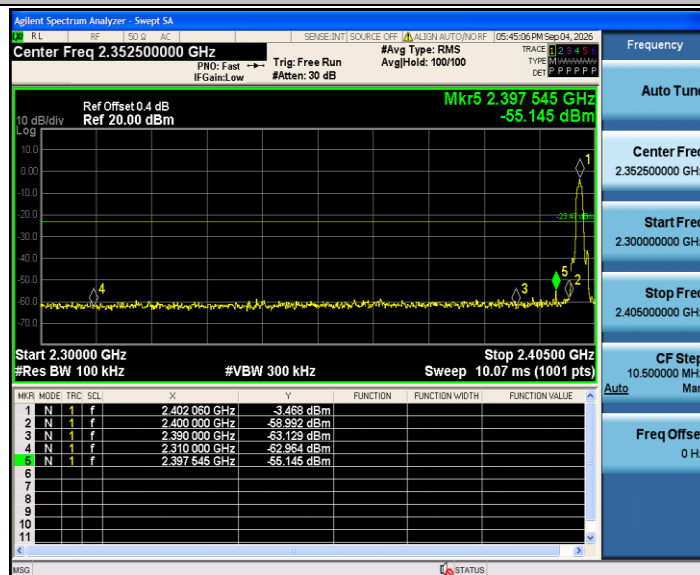
2DH5_Ant1_Low_Hop_2402



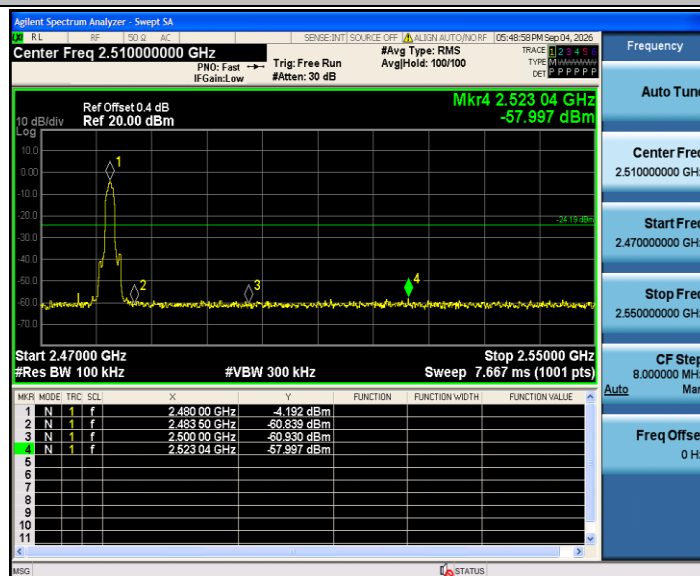
2DH5_Ant1_High_Hop_2480



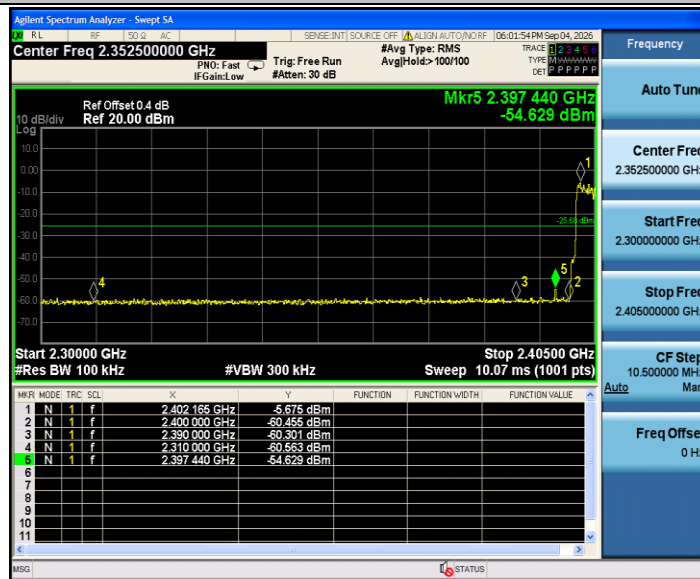
3DH5_Ant1_Low_2402



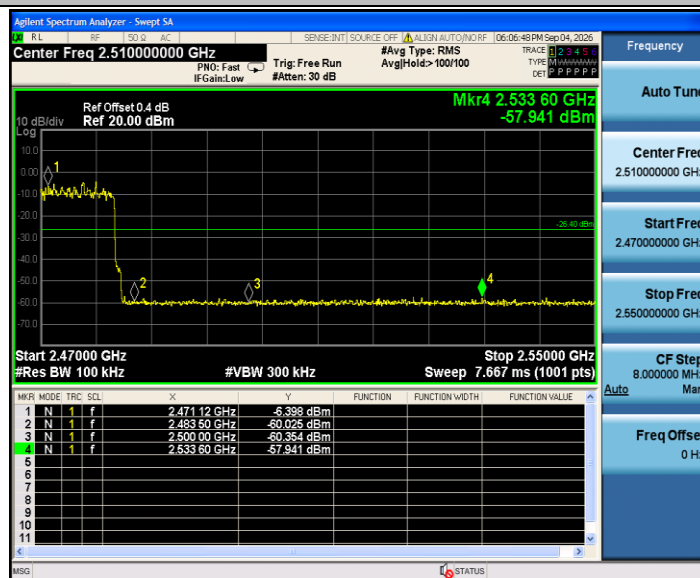
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

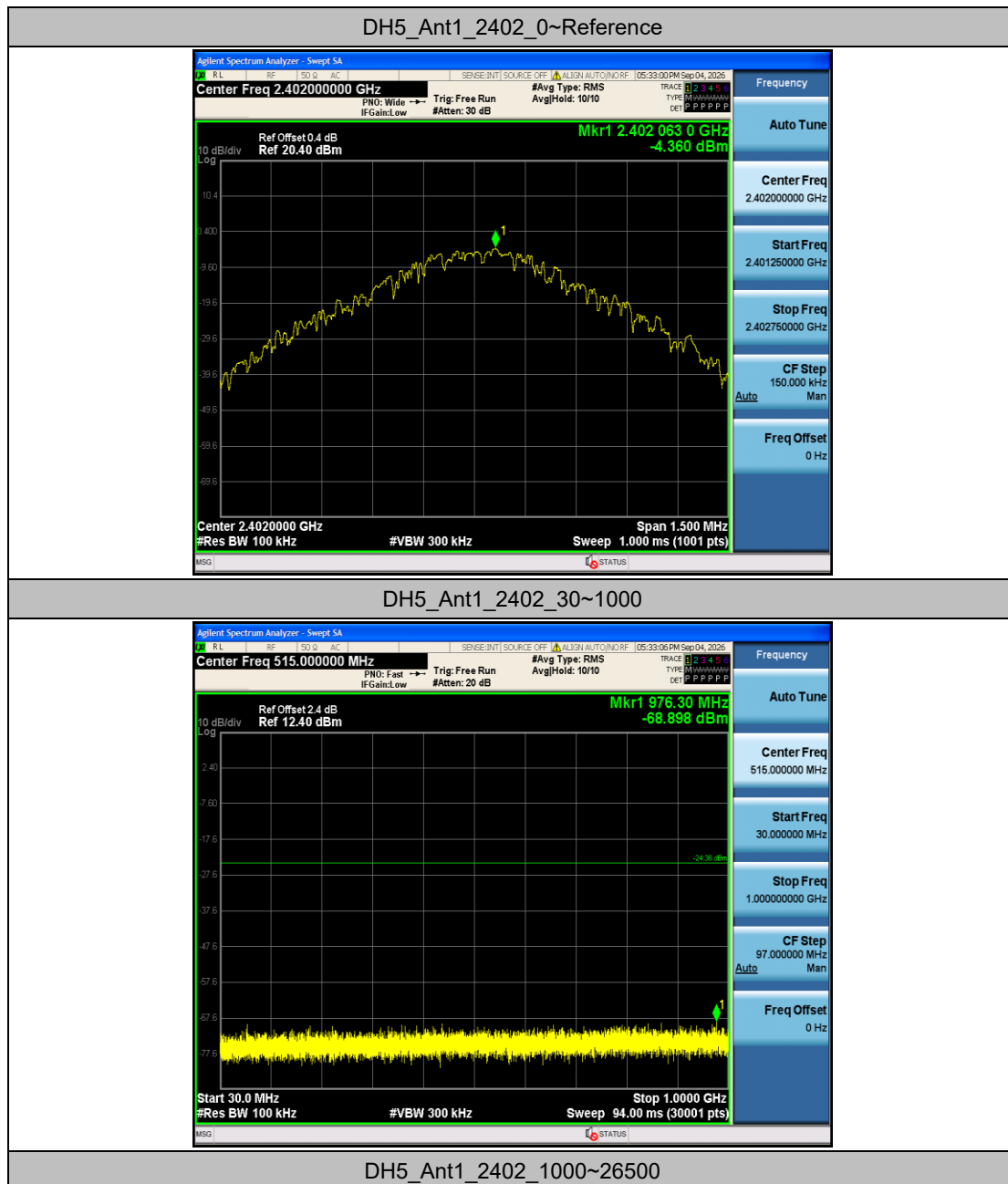


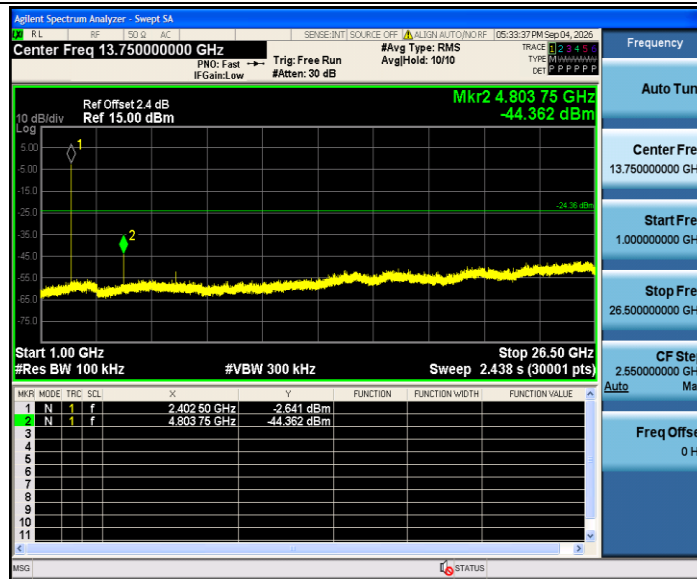
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-68.9	≤-24.36	PASS
			1000~26500	-4.36	-44.36	≤-24.36	PASS
		2441	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-68.52	≤-24.6	PASS
			1000~26500	-4.60	-46.03	≤-24.6	PASS
		2480	Reference	-4.55	-4.55	---	PASS
			30~1000	-4.55	-62.82	≤-24.55	PASS
			1000~26500	-4.55	-46.64	≤-24.55	PASS
2DH5	Ant1	2402	Reference	-5.10	-5.10	---	PASS
			30~1000	-5.10	-66.07	≤-25.1	PASS
			1000~26500	-5.10	-46.92	≤-25.1	PASS
		2441	Reference	-6.93	-6.93	---	PASS
			30~1000	-6.93	-67.65	≤-26.93	PASS
			1000~26500	-6.93	-46.61	≤-26.93	PASS
		2480	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-68.93	≤-26.62	PASS
			1000~26500	-6.62	-46.68	≤-26.62	PASS
3DH5	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-62.79	≤-24.84	PASS
			1000~26500	-4.84	-47.01	≤-24.84	PASS
		2441	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-59.53	≤-23.91	PASS
			1000~26500	-3.91	-46.88	≤-23.91	PASS
		2480	Reference	-5.82	-5.82	---	PASS
			30~1000	-5.82	-68.18	≤-25.82	PASS
			1000~26500	-5.82	-44.76	≤-25.82	PASS

Test Graphs

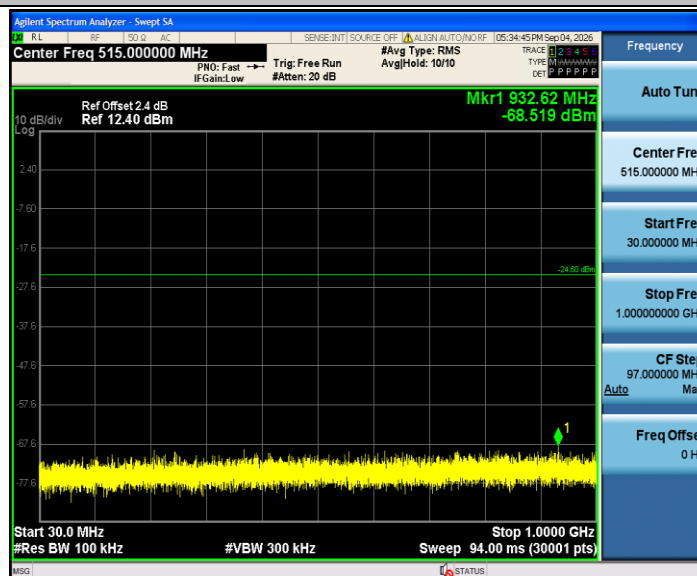




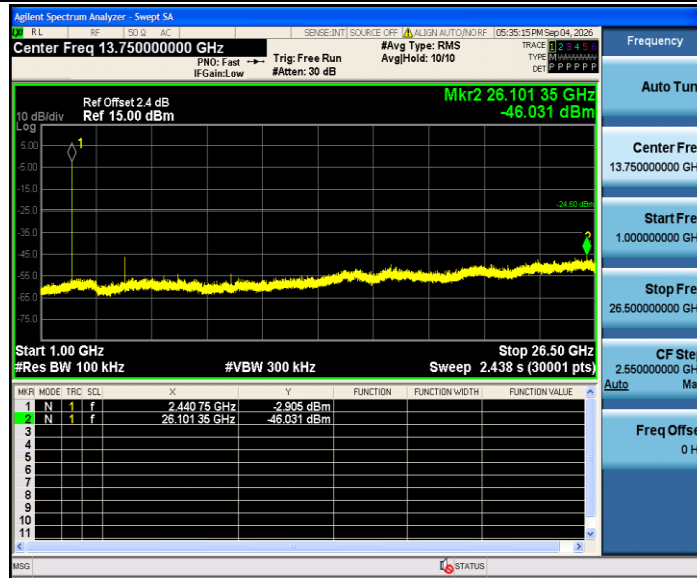
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



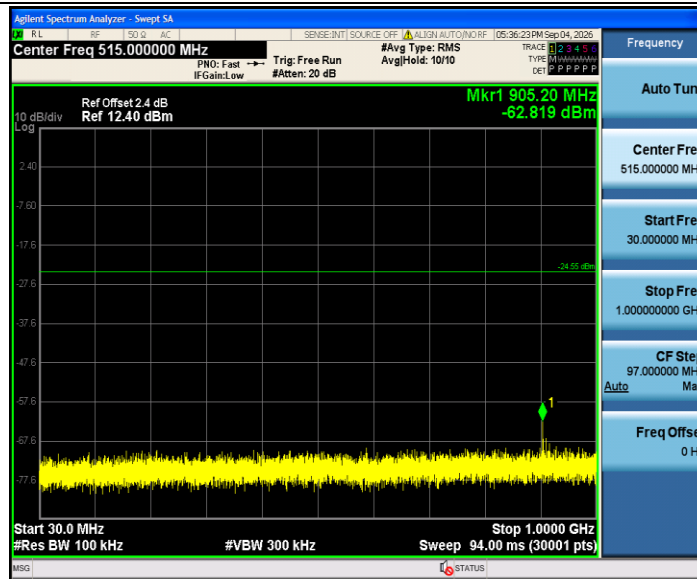
DH5_Ant1_2441_1000~26500



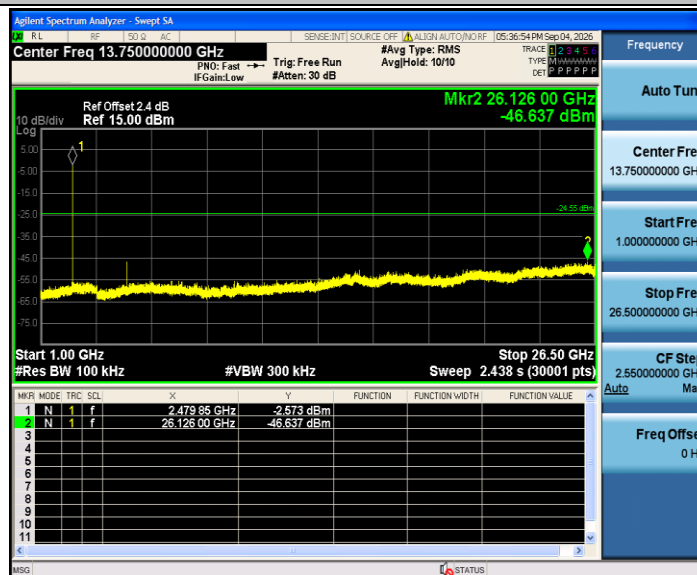
DH5_Ant1_2480_0~Reference



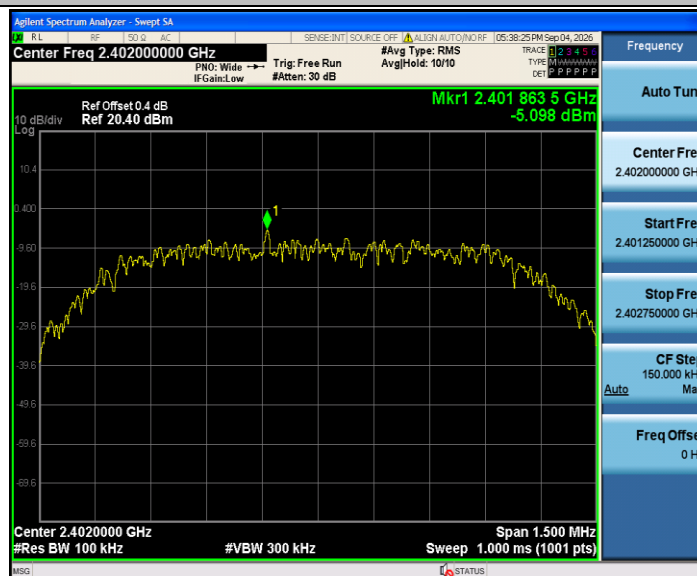
DH5_Ant1_2480_30~1000



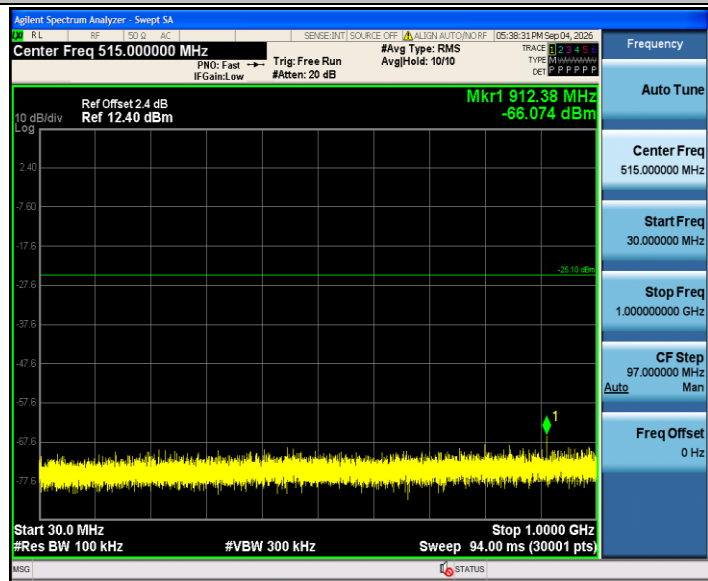
DH5_Ant1_2480_1000~26500



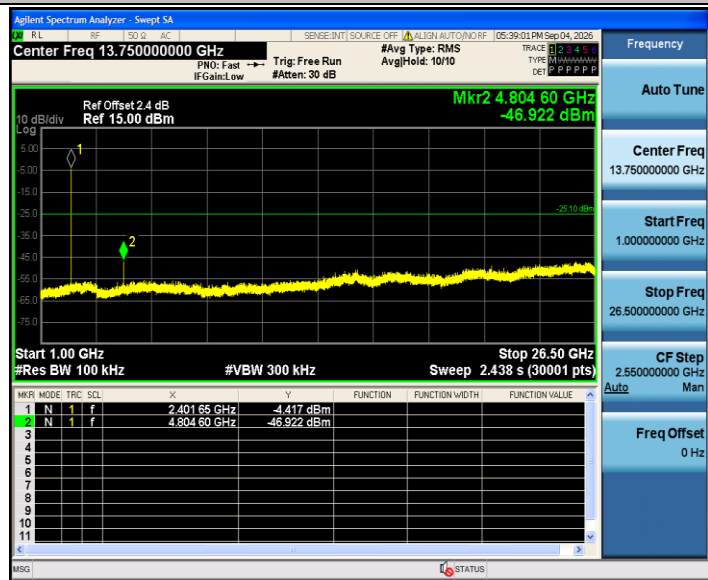
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference