

FCC Appendix RF Test Data for BT

FCC ID : 2BUMN-DY268

Company : DAZONE LLC

EUT : SPEAKER

Model Number : DY268

Report No. : CTA26092100501

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	0.957	2401.547	2402.504	---	---
		2441	0.957	2440.544	2441.501	---	---
		2480	0.942	2479.547	2480.489	---	---
2DH5	Ant1	2402	1.326	2401.346	2402.672	---	---
		2441	1.287	2440.376	2441.663	---	---
		2480	1.323	2479.346	2480.669	---	---
3DH5	Ant1	2402	1.293	2401.370	2402.663	---	---
		2441	1.290	2440.361	2441.651	---	---
		2480	1.293	2479.364	2480.657	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

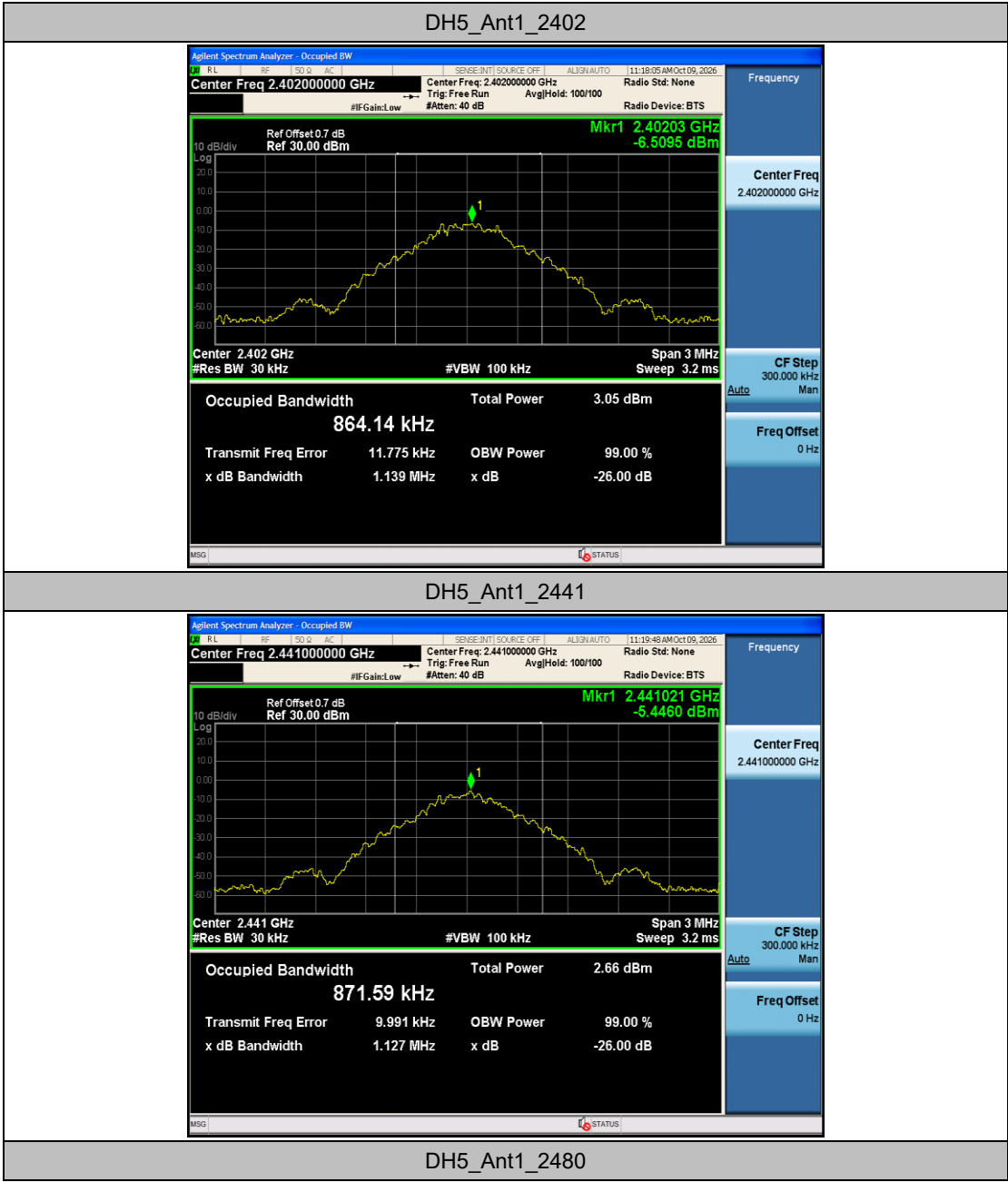


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86414	2401.5797	2402.4438	---	---
		2441	0.87159	2440.5742	2441.4458	---	---
		2480	0.84870	2479.5817	2480.4304	---	---
2DH5	Ant1	2402	1.1897	2401.4161	2402.6058	---	---
		2441	1.1911	2440.4135	2441.6046	---	---
		2480	1.1884	2479.4162	2480.6046	---	---
3DH5	Ant1	2402	1.1955	2401.4124	2402.6079	---	---
		2441	1.1898	2440.4158	2441.6056	---	---
		2480	1.1822	2479.4219	2480.6041	---	---

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

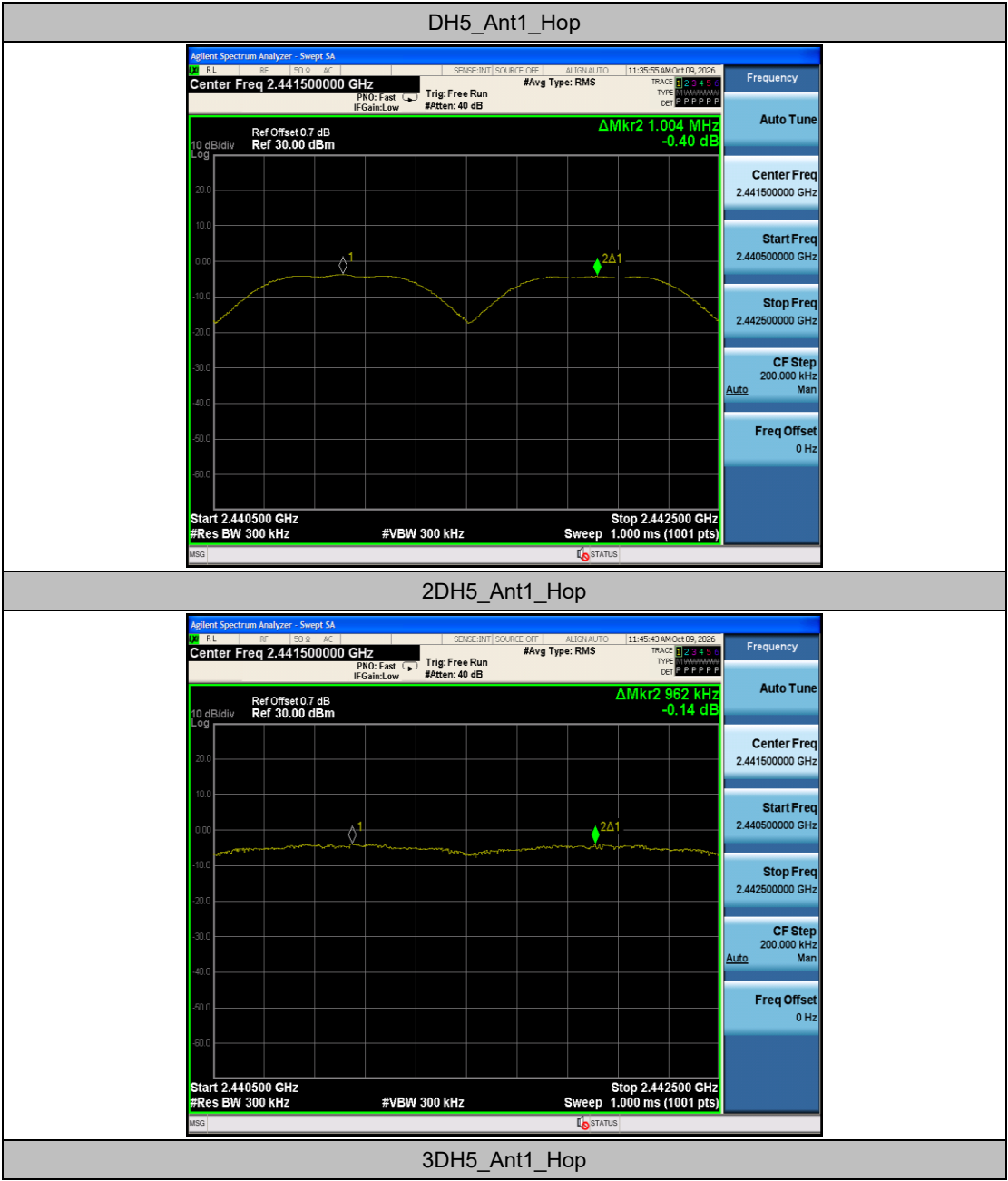
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.55	≤20.97	PASS
		2441	-3.63	≤20.97	PASS
		2480	-3.93	≤20.97	PASS
2DH5	Ant1	2402	-0.91	≤20.97	PASS
		2441	-1.12	≤20.97	PASS
		2480	-1.26	≤20.97	PASS
3DH5	Ant1	2402	-0.56	≤20.97	PASS
		2441	-0.47	≤20.97	PASS
		2480	-0.91	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.957	PASS
2DH5	Ant1	Hop	0.962	≥ 0.884	PASS
3DH5	Ant1	Hop	1.01	≥ 0.862	PASS

Test Graphs



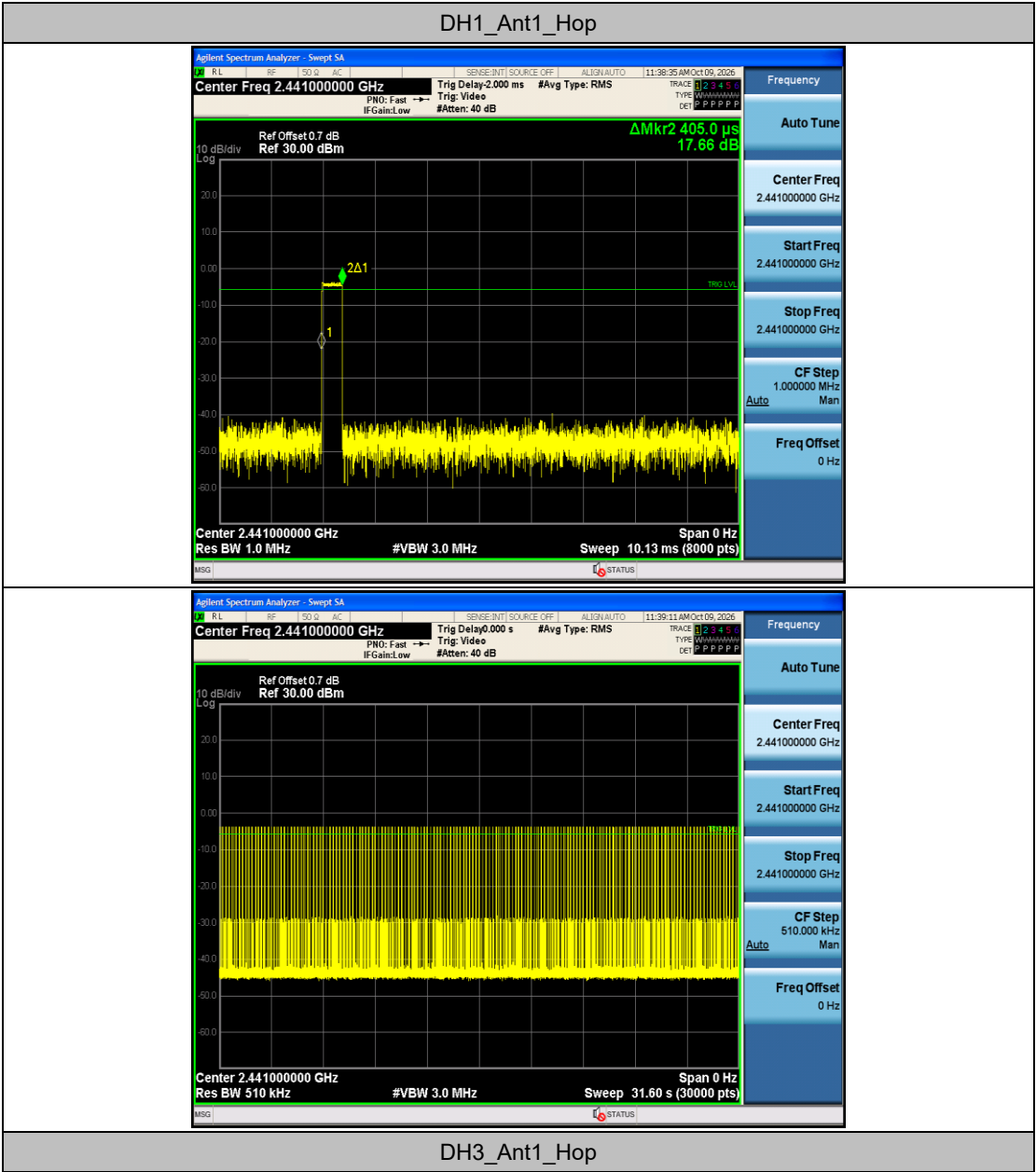


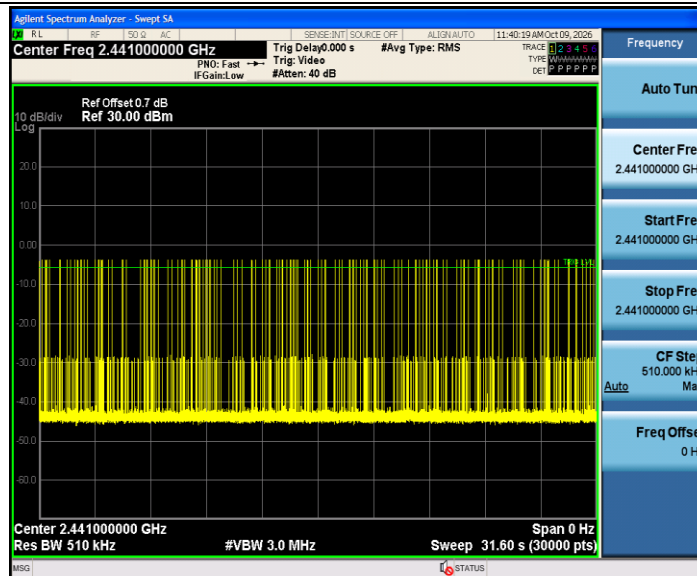
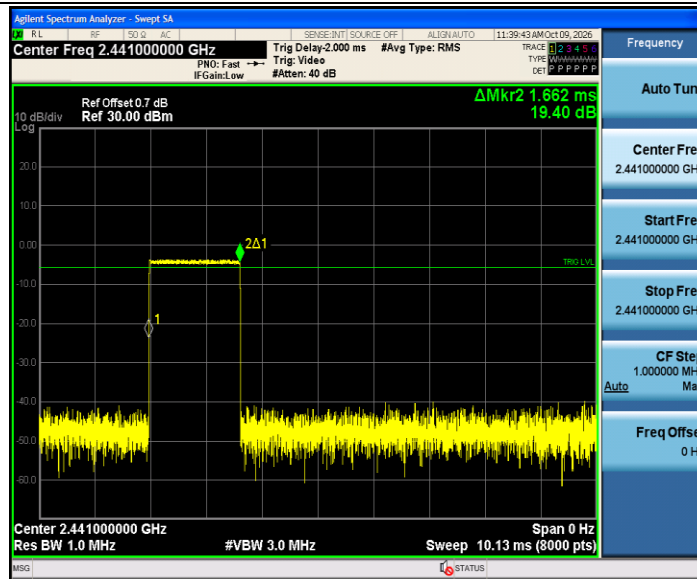
Appendix E: Time of occupancy

Test Result

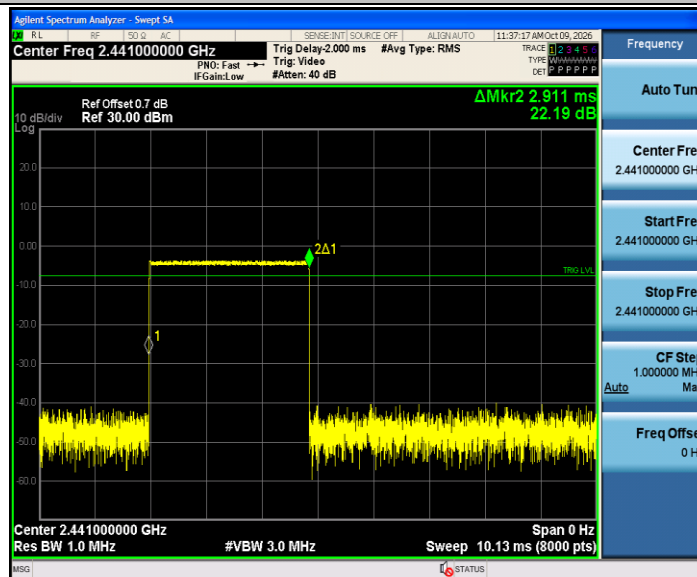
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	150	0.249	≤0.4	PASS
DH5	Ant1	Hop	2.911	103	0.3	≤0.4	PASS
2DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	165	0.275	≤0.4	PASS
2DH5	Ant1	Hop	2.916	96	0.28	≤0.4	PASS
3DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	160	0.267	≤0.4	PASS
3DH5	Ant1	Hop	2.917	104	0.303	≤0.4	PASS

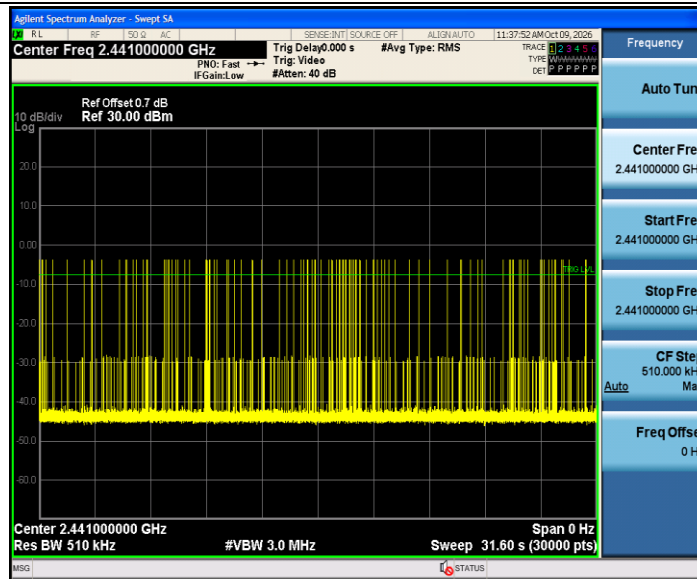
Test Graphs



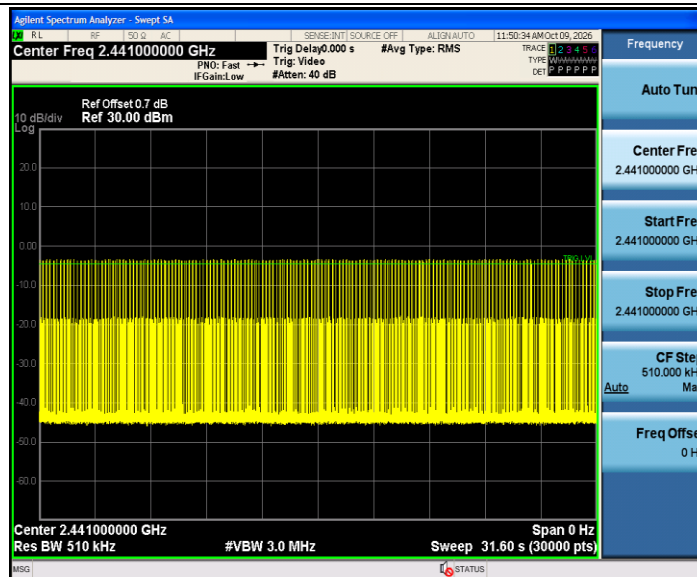
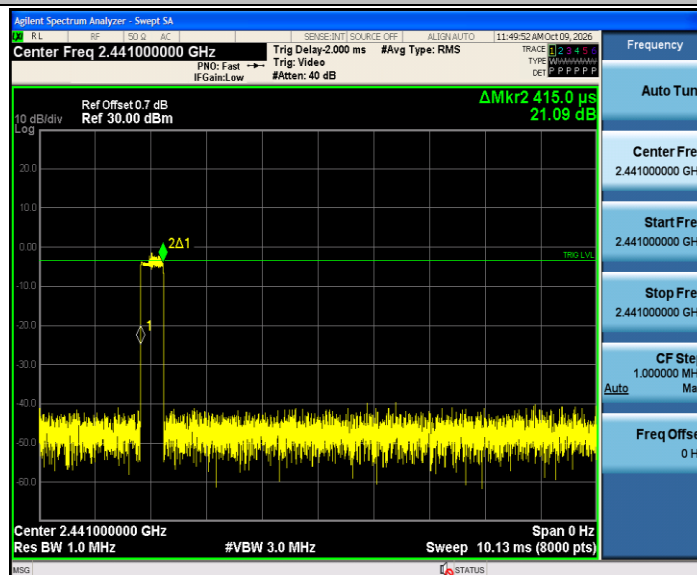


DH5_Ant1_Hop

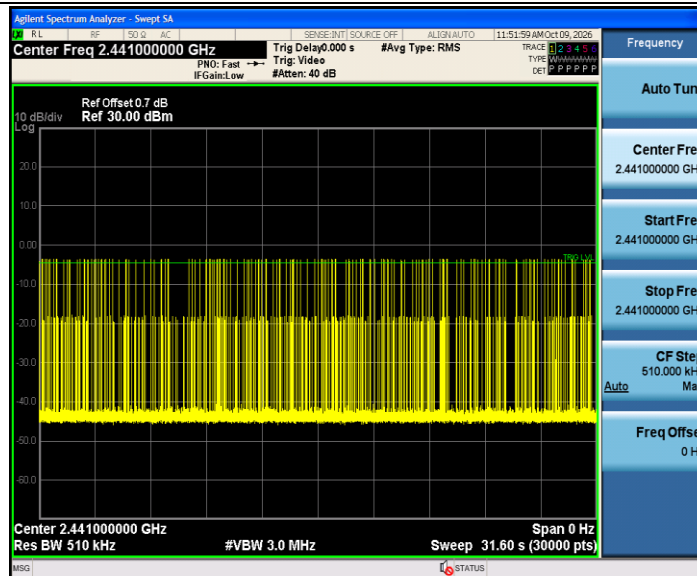
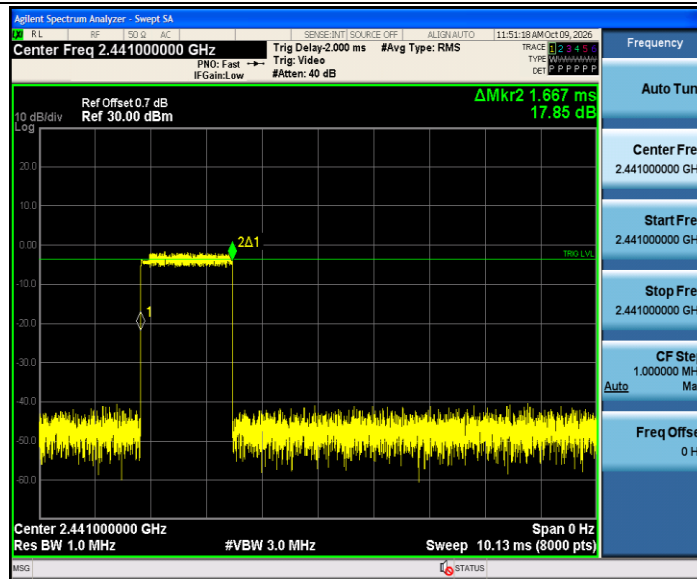




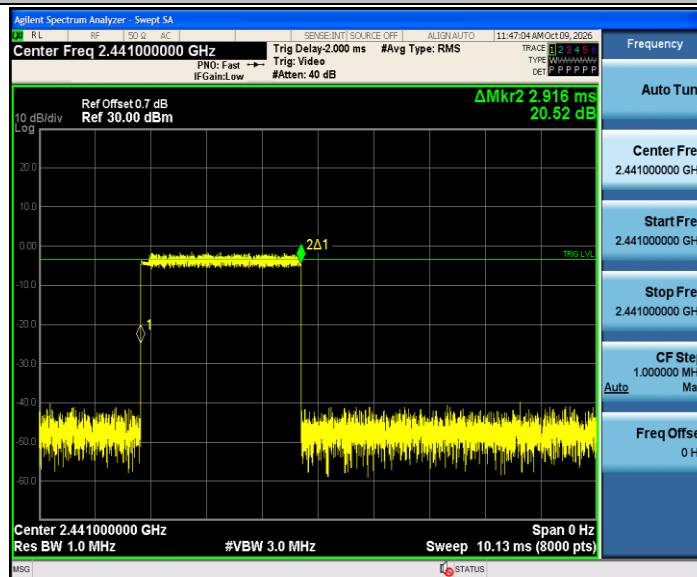
2DH1_Ant1_Hop

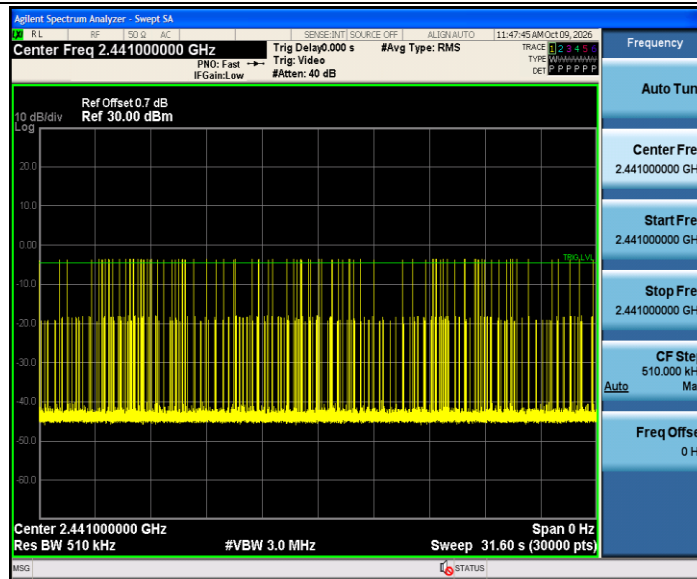


2DH3_Ant1_Hop

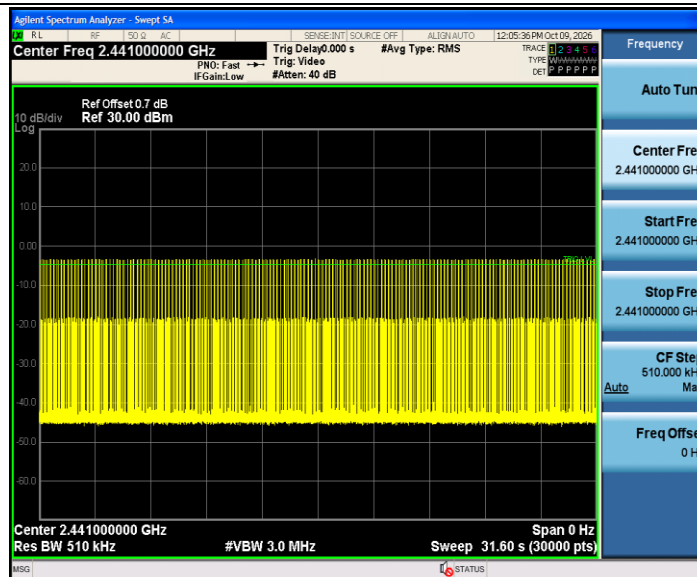
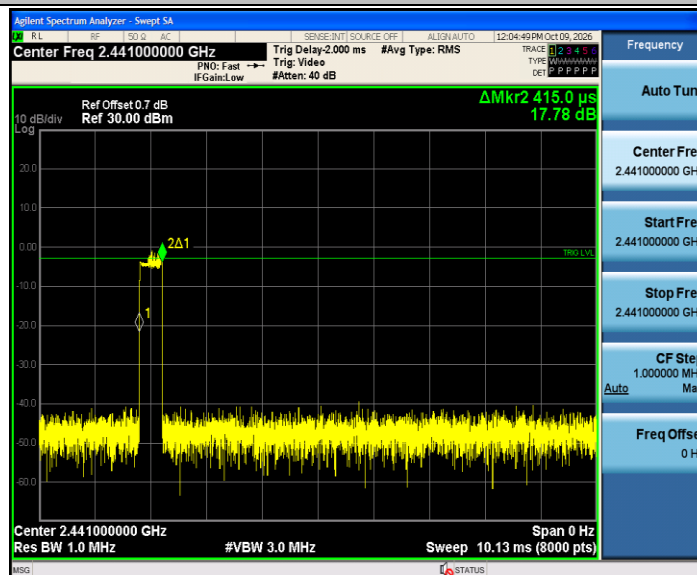


2DH5_Ant1_Hop

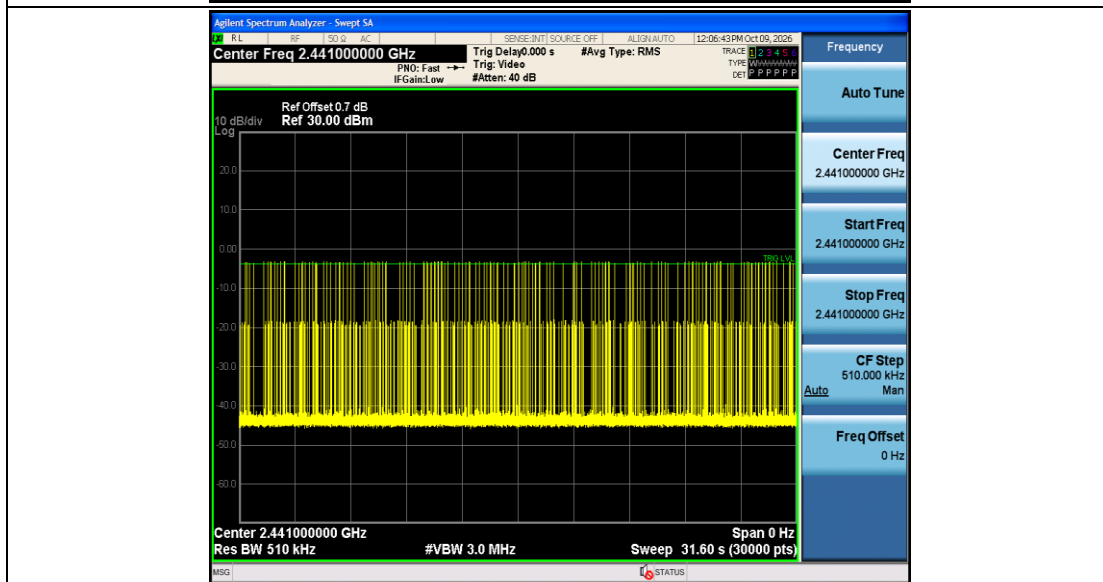
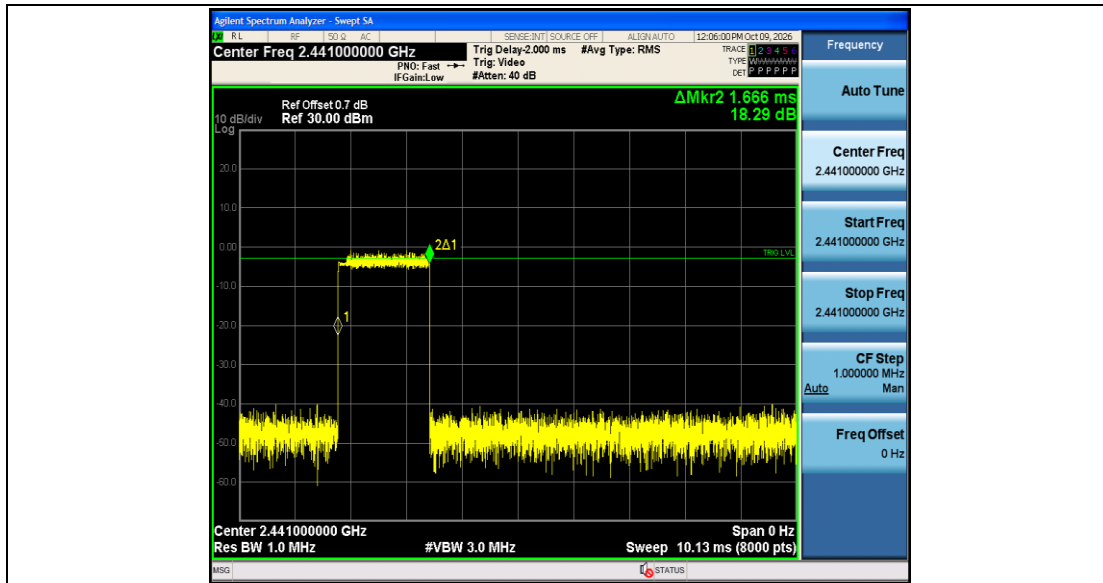




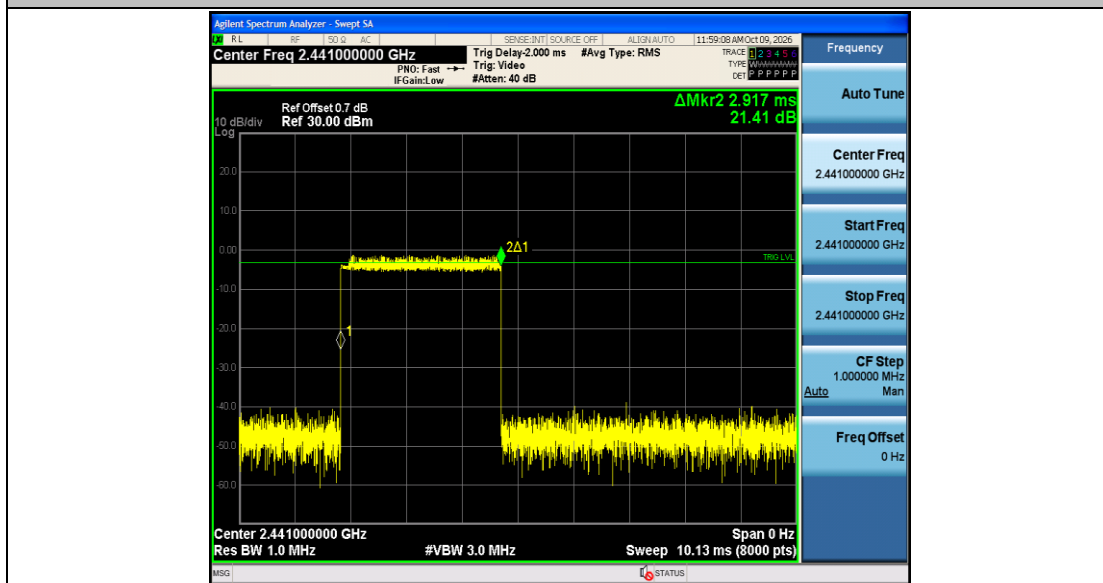
3DH1_Ant1_Hop

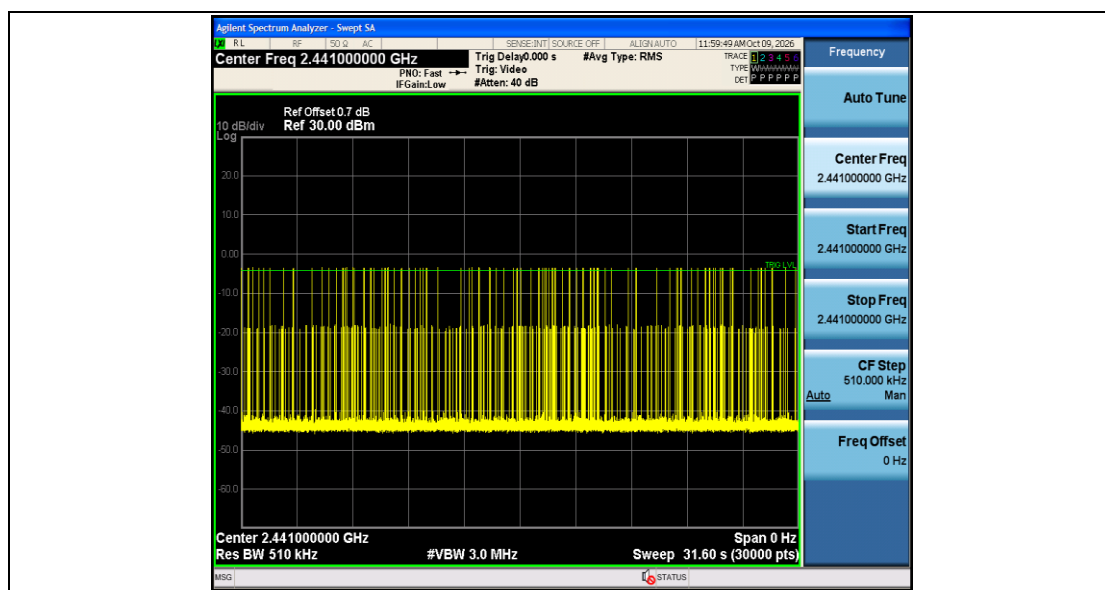


3DH3_Ant1_Hop



3DH5_Ant1_Hop



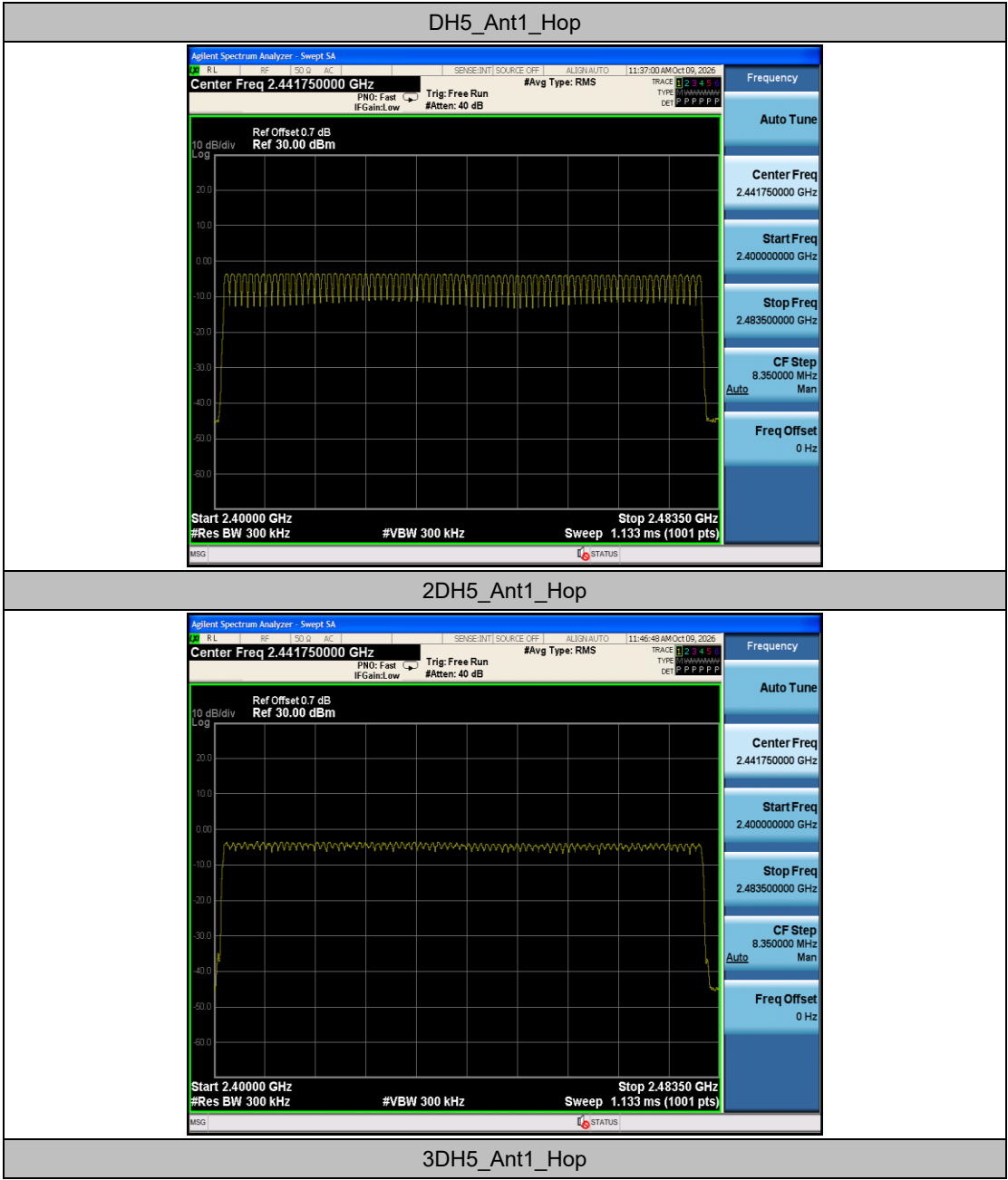


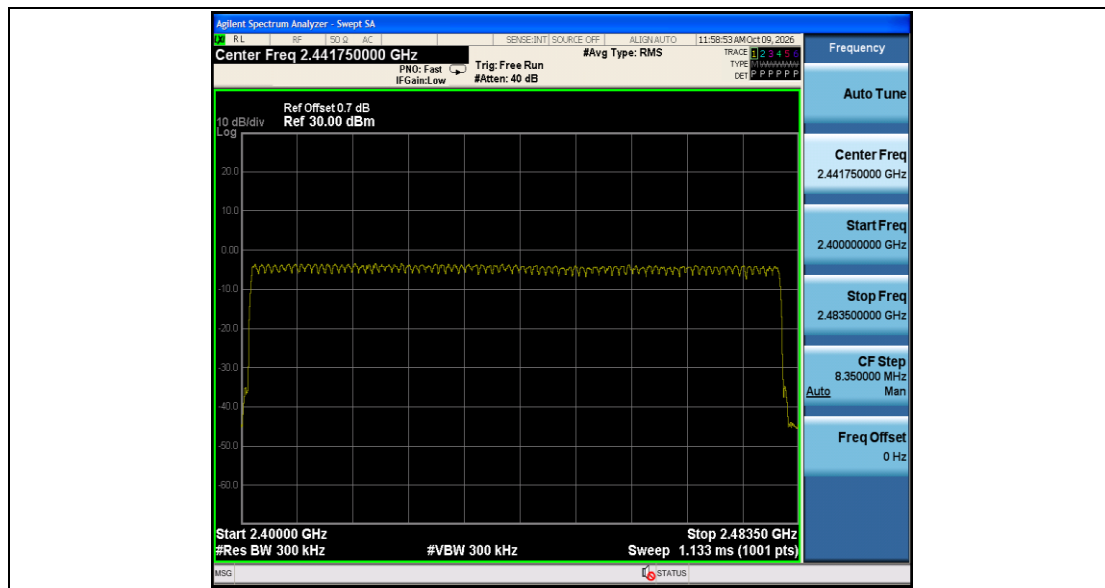
Appendix F: Number of hopping channels

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



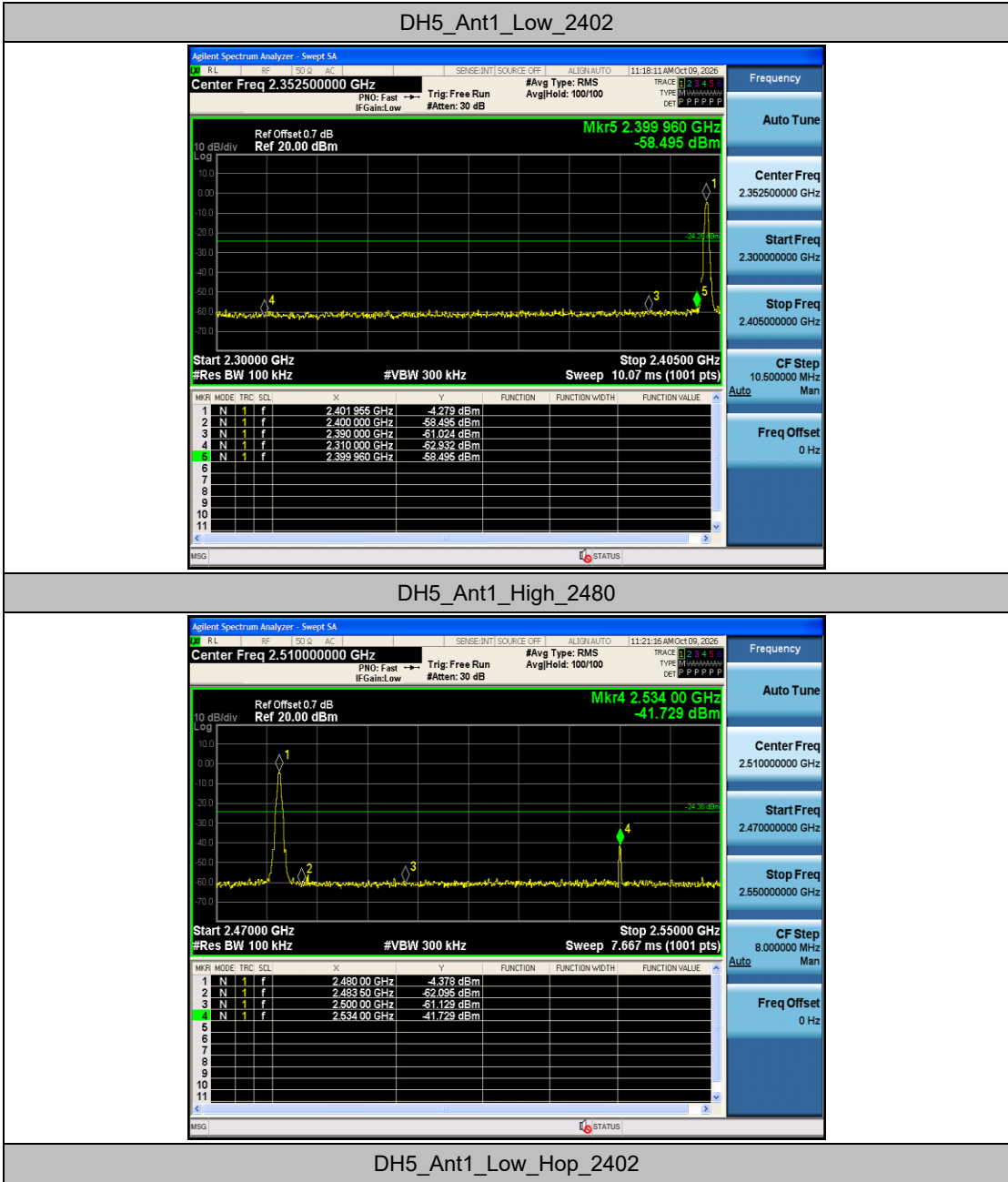


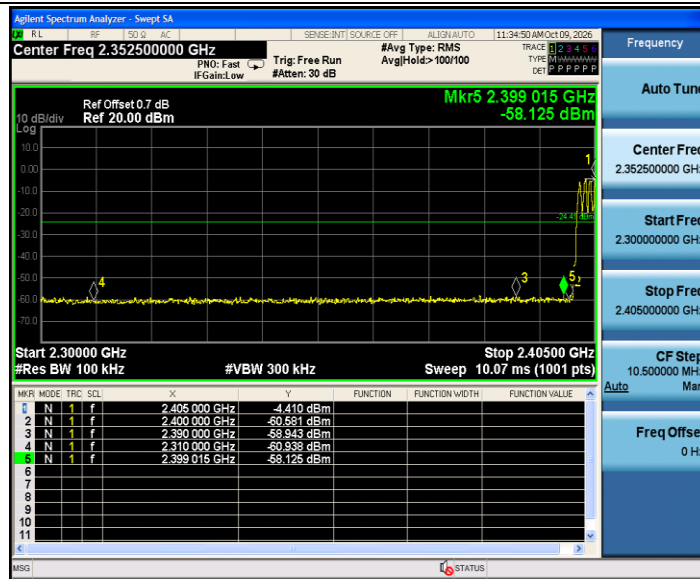
Appendix G: Band edge measurements

Test Result

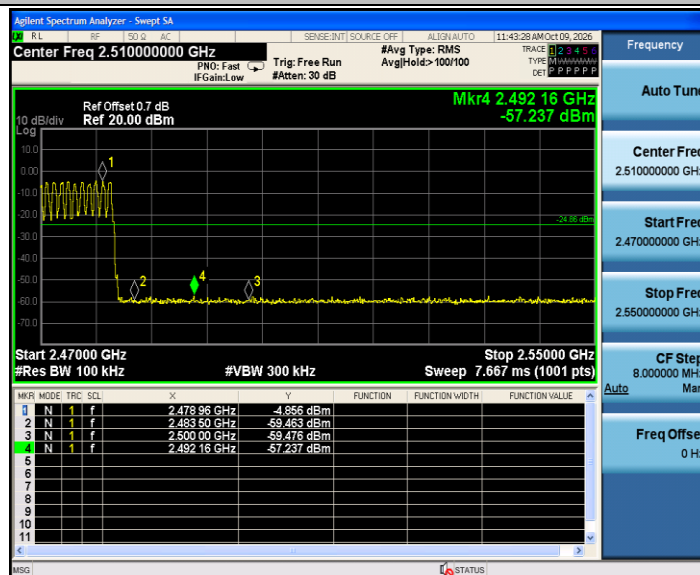
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.28	-58.5	≤-24.28	PASS
		High	2480	-4.38	-41.73	≤-24.38	PASS
		Low	Hop_2402	-4.41	-58.13	≤-24.41	PASS
		High	Hop_2480	-4.86	-57.24	≤-24.86	PASS
2DH5	Ant1	Low	2402	-4.62	-58.35	≤-24.62	PASS
		High	2480	-5.42	-57.47	≤-25.42	PASS
		Low	Hop_2402	-4.70	-58.55	≤-24.7	PASS
		High	Hop_2480	-5.36	-57.18	≤-25.36	PASS
3DH5	Ant1	Low	2402	-4.29	-58.24	≤-24.29	PASS
		High	2480	-4.48	-57.49	≤-24.48	PASS
		Low	Hop_2402	-4.71	-57.78	≤-24.71	PASS
		High	Hop_2480	-6.96	-44.55	≤-26.96	PASS

Test Graphs

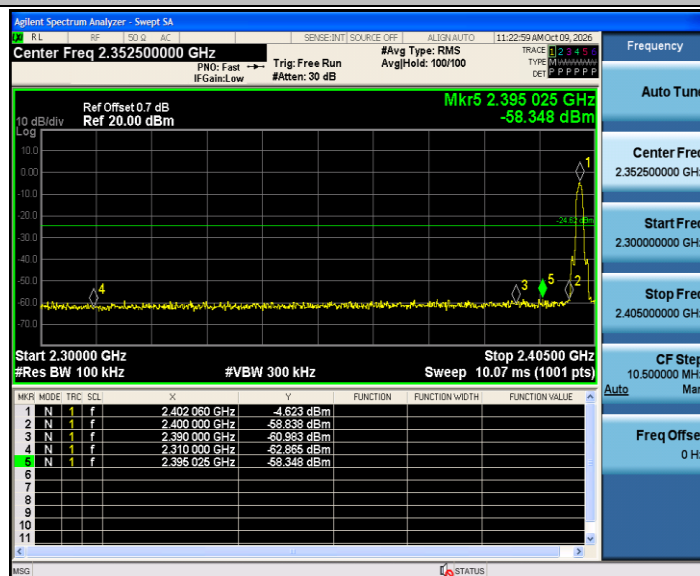




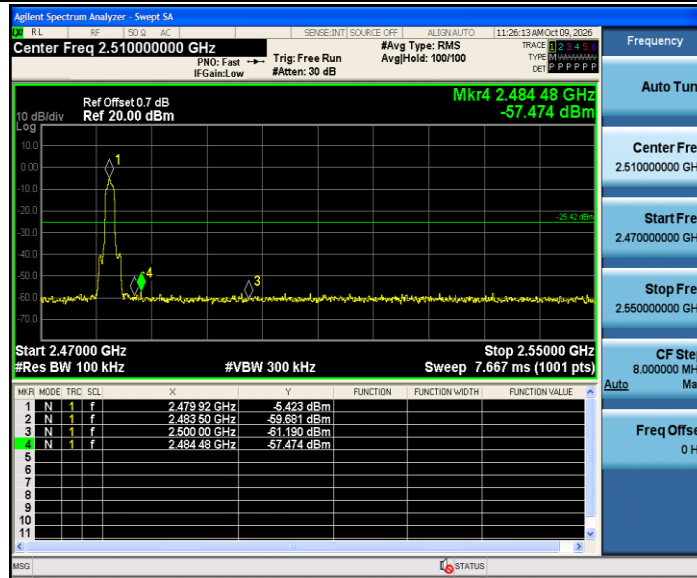
DH5_Ant1_High_Hop_2480



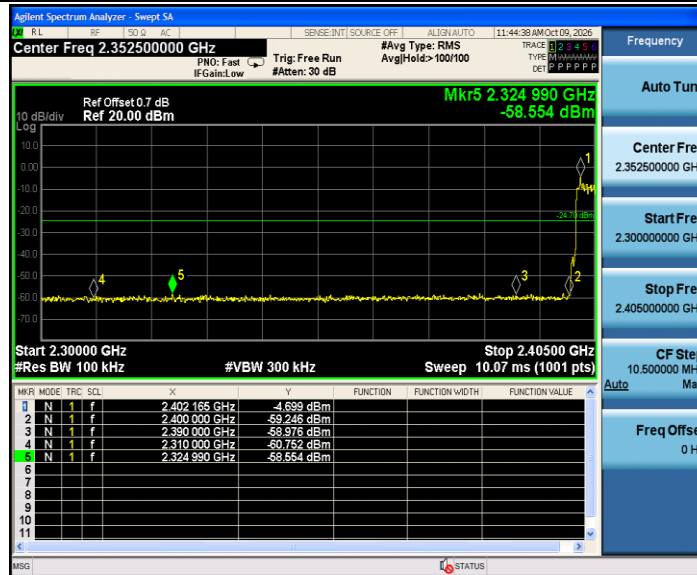
2DH5_Ant1_Low_2402



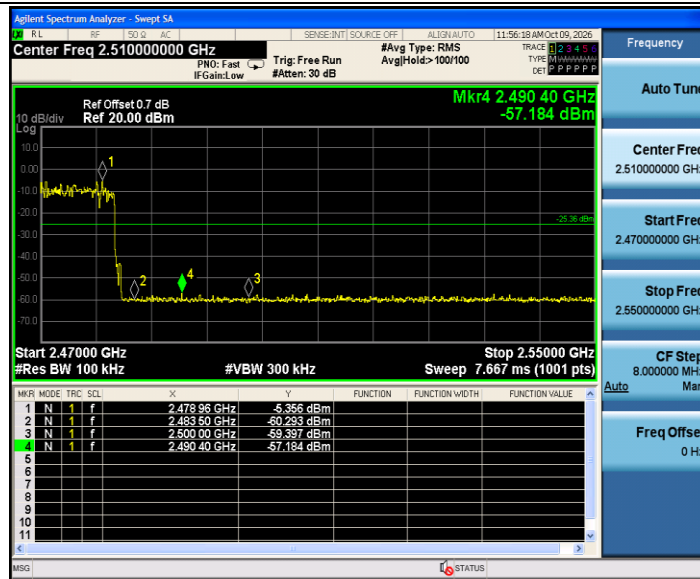
2DH5_Ant1_High_2480



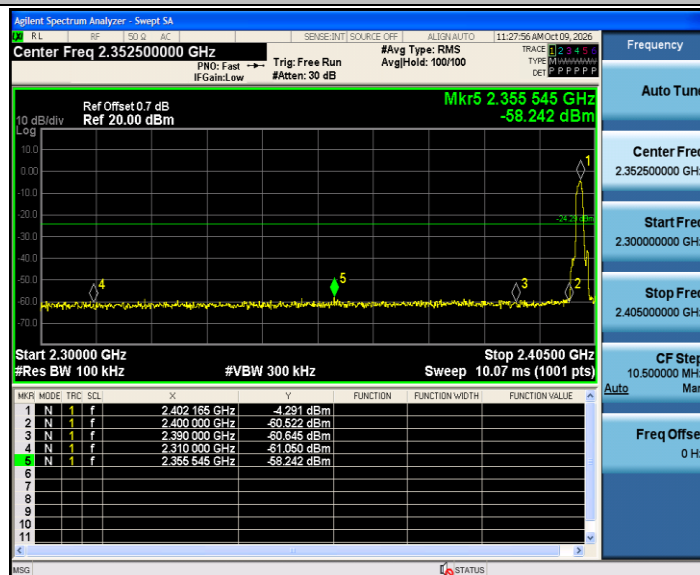
2DH5_Ant1_Low_Hop_2402



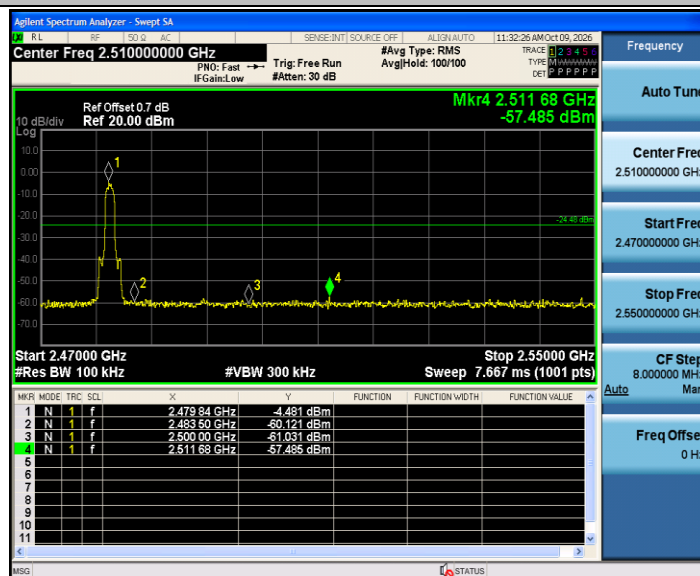
2DH5_Ant1_High_Hop_2480



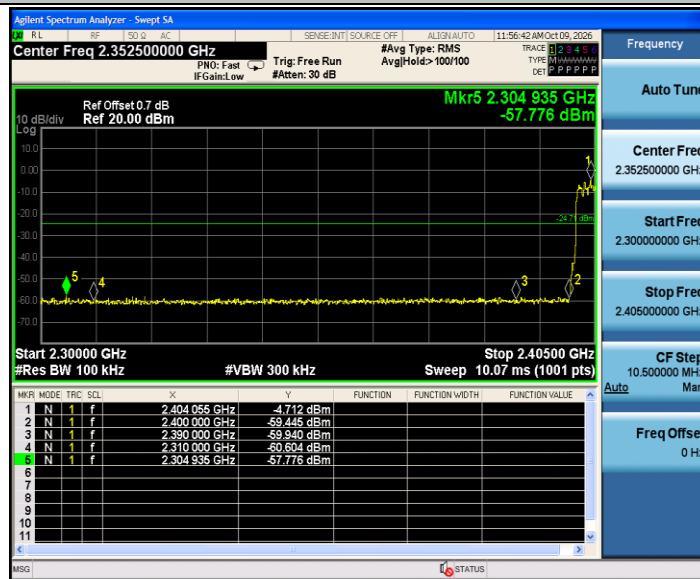
3DH5_Ant1_Low_2402



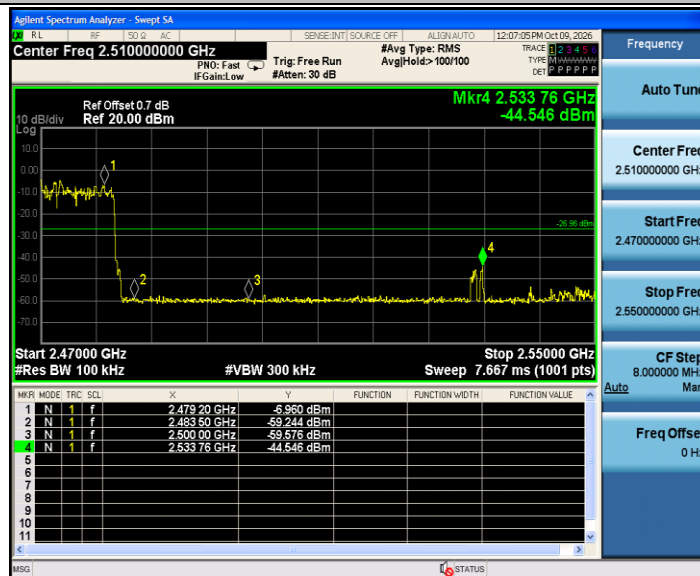
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

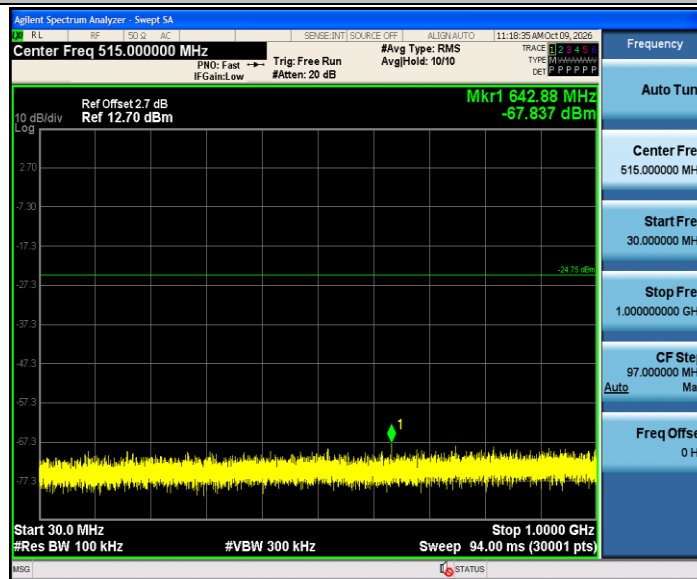
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.75	-4.75	---	PASS
			30~1000	-4.75	-67.84	≤-24.75	PASS
			1000~26500	-4.75	-43.95	≤-24.75	PASS
		2441	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-68.23	≤-25.19	PASS
			1000~26500	-5.19	-46.15	≤-25.19	PASS
		2480	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-68.18	≤-24.96	PASS
			1000~26500	-4.96	-45.18	≤-24.96	PASS
2DH5	Ant1	2402	Reference	-6.87	-6.87	---	PASS
			30~1000	-6.87	-67.91	≤-26.87	PASS
			1000~26500	-6.87	-45.91	≤-26.87	PASS
		2441	Reference	-5.61	-5.61	---	PASS
			30~1000	-5.61	-68.03	≤-25.61	PASS
			1000~26500	-5.61	-46.67	≤-25.61	PASS
		2480	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-68.62	≤-25.75	PASS
			1000~26500	-5.75	-46.35	≤-25.75	PASS
3DH5	Ant1	2402	Reference	-6.28	-6.28	---	PASS
			30~1000	-6.28	-67.9	≤-26.28	PASS
			1000~26500	-6.28	-45.7	≤-26.28	PASS
		2441	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-68.19	≤-24.32	PASS
			1000~26500	-4.32	-46.21	≤-24.32	PASS
		2480	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-68.2	≤-24.56	PASS
			1000~26500	-4.56	-46.65	≤-24.56	PASS

Test Graphs

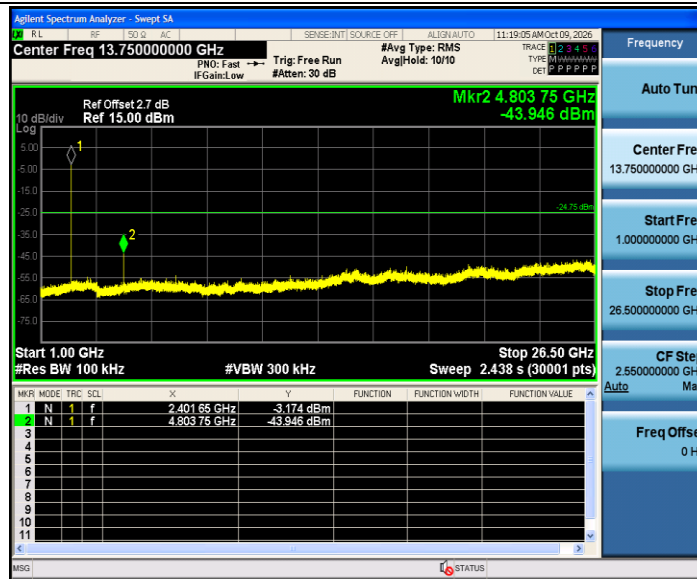
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



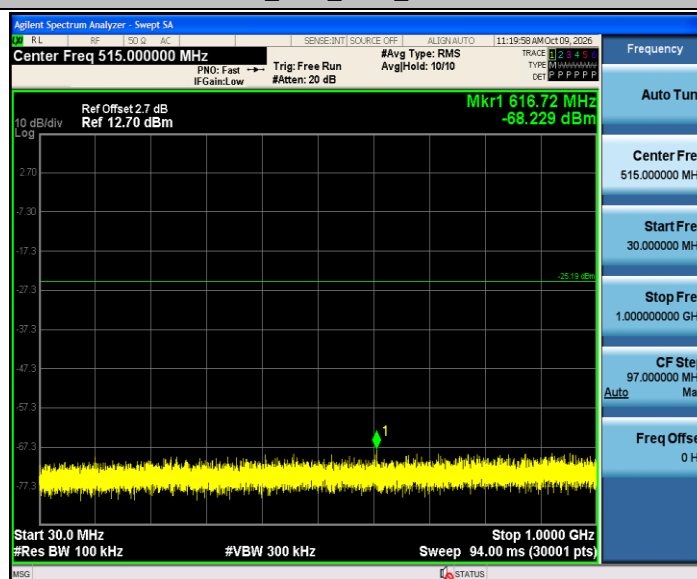
DH5_Ant1_2402_1000~26500



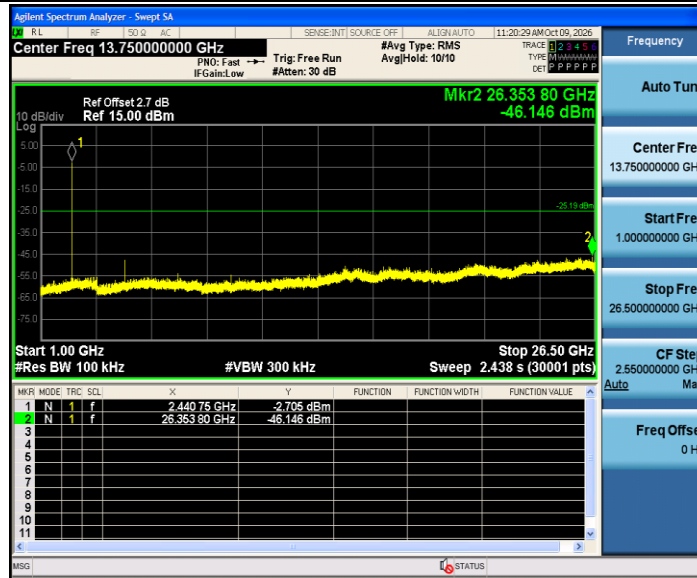
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



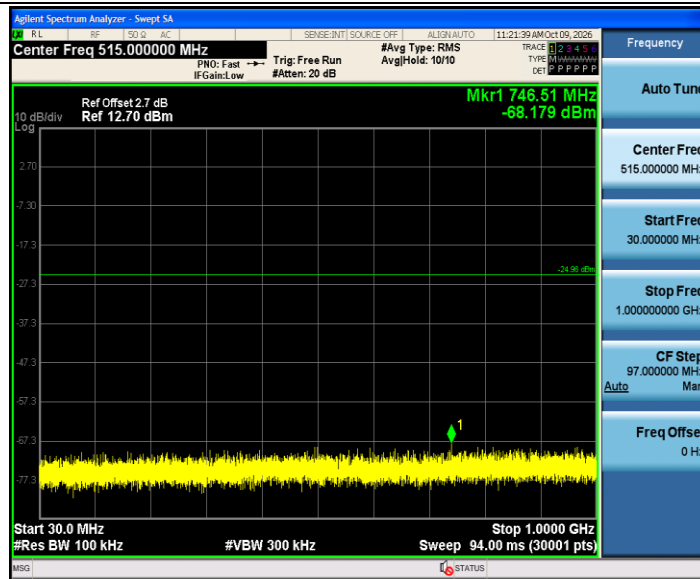
DH5_Ant1_2441_1000~26500



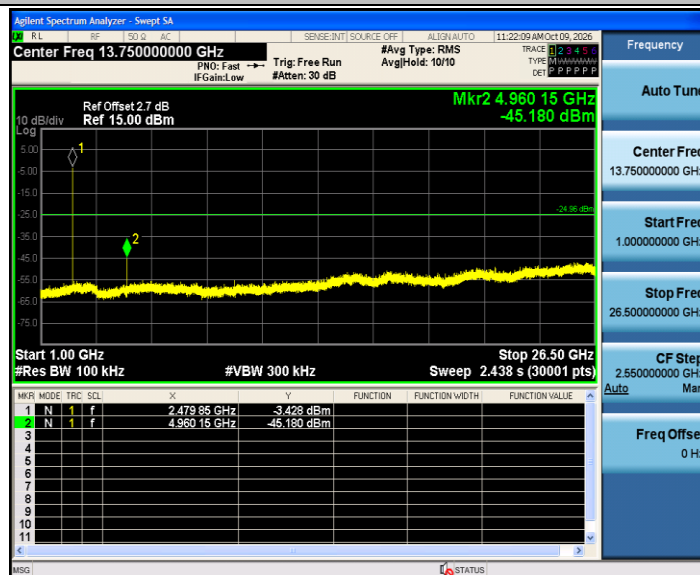
DH5_Ant1_2480_0~Reference



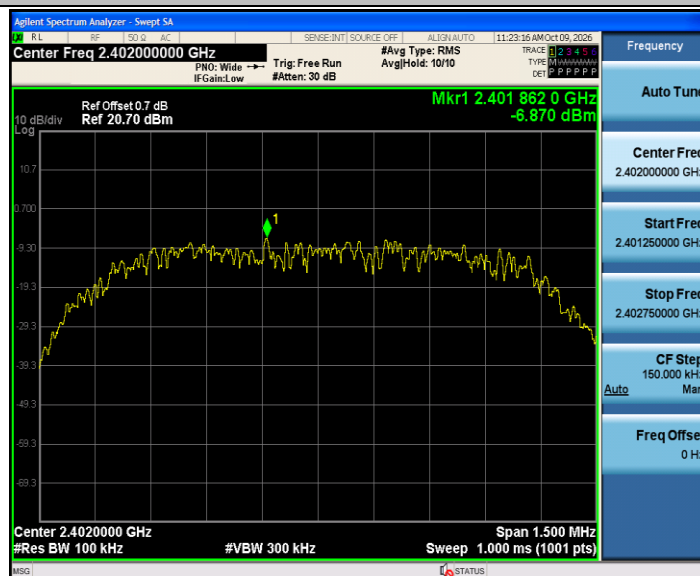
DH5_Ant1_2480_30~1000



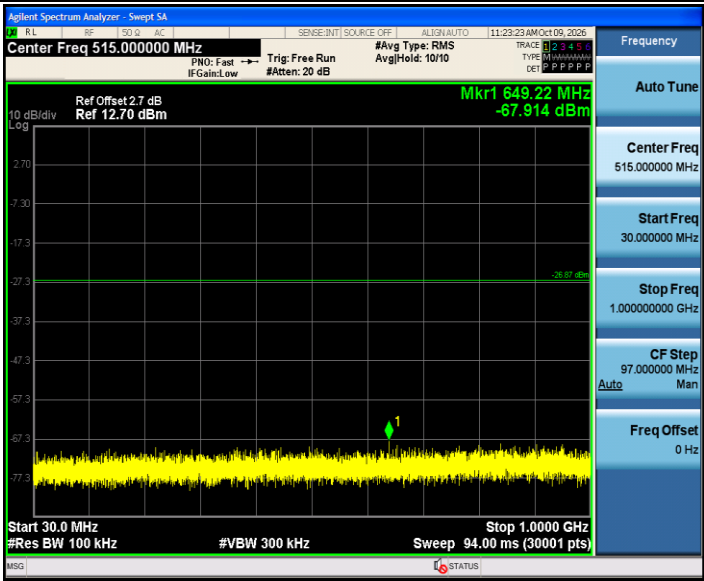
DH5_Ant1_2480_1000~26500



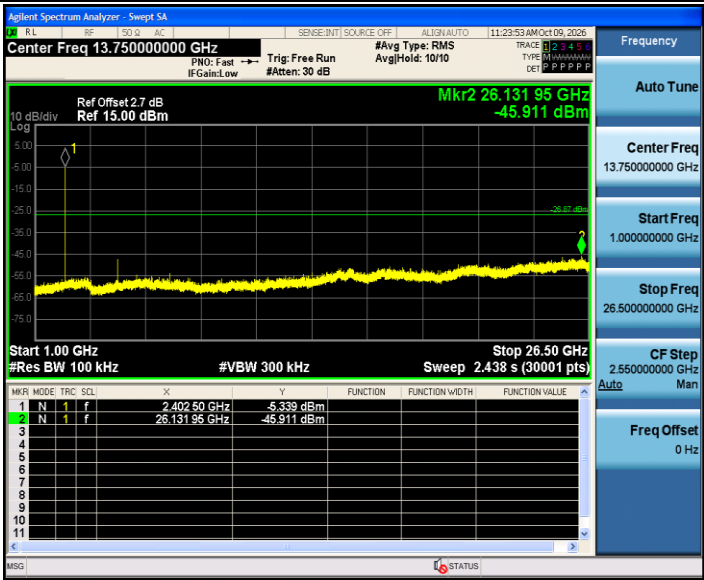
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference