

FCC Appendix RF Test Data for BT

FCC ID : 2BWKE-MD-I75C48

Company : Foshan Mida Technology Co., Ltd.

EUT : Interactive Whiteboard/Smart Board

Model Number : MD-I75C48

Report No. : CTA26051901202

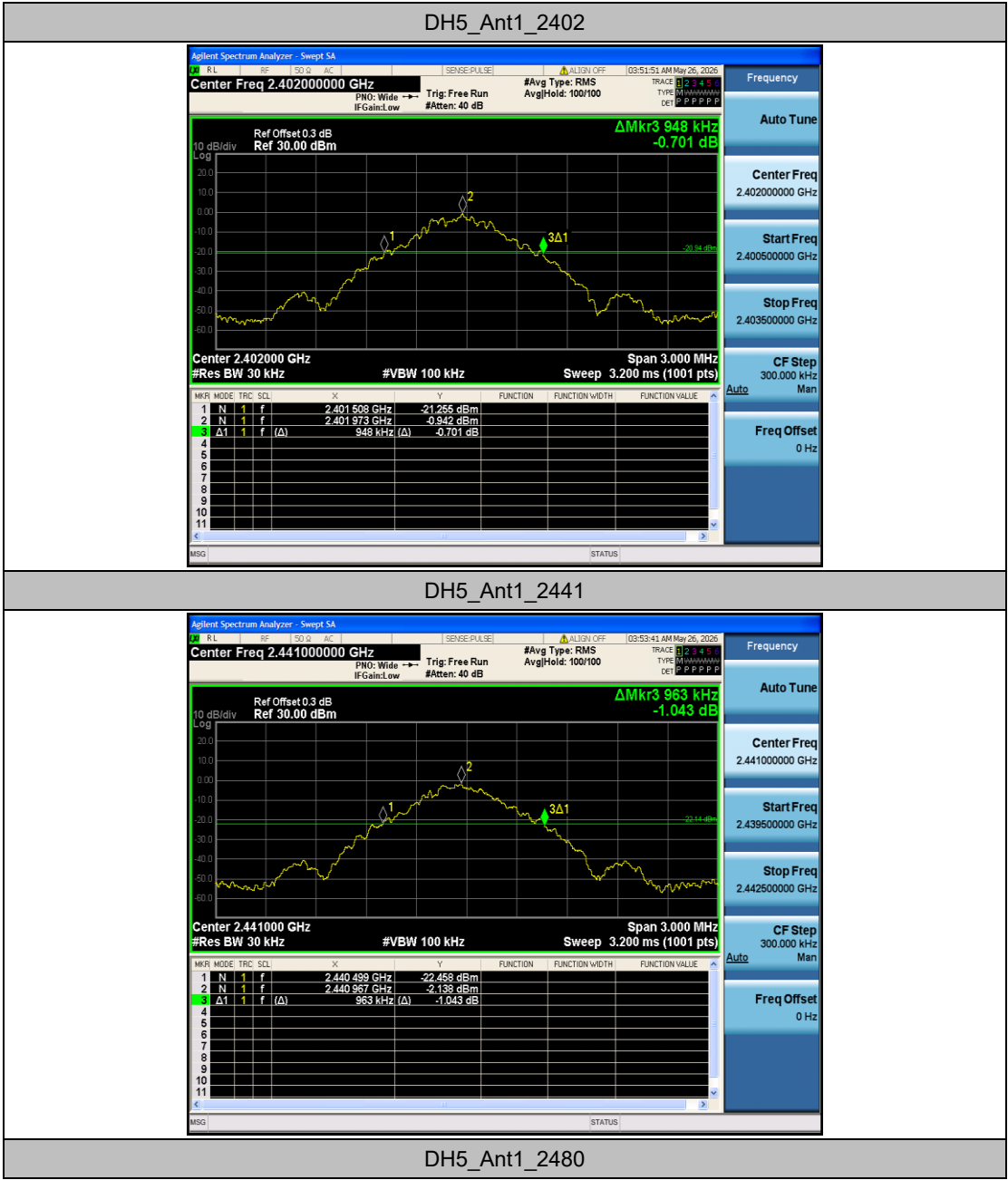
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.508	2402.456	---	---
		2441	0.963	2440.499	2441.462	---	---
		2480	0.927	2479.508	2480.435	---	---
2DH5	Ant1	2402	1.275	2401.340	2402.615	---	---
		2441	1.266	2440.346	2441.612	---	---
		2480	1.281	2479.334	2480.615	---	---
3DH5	Ant1	2402	1.314	2401.310	2402.624	---	---
		2441	1.278	2440.334	2441.612	---	---
		2480	1.317	2479.316	2480.633	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

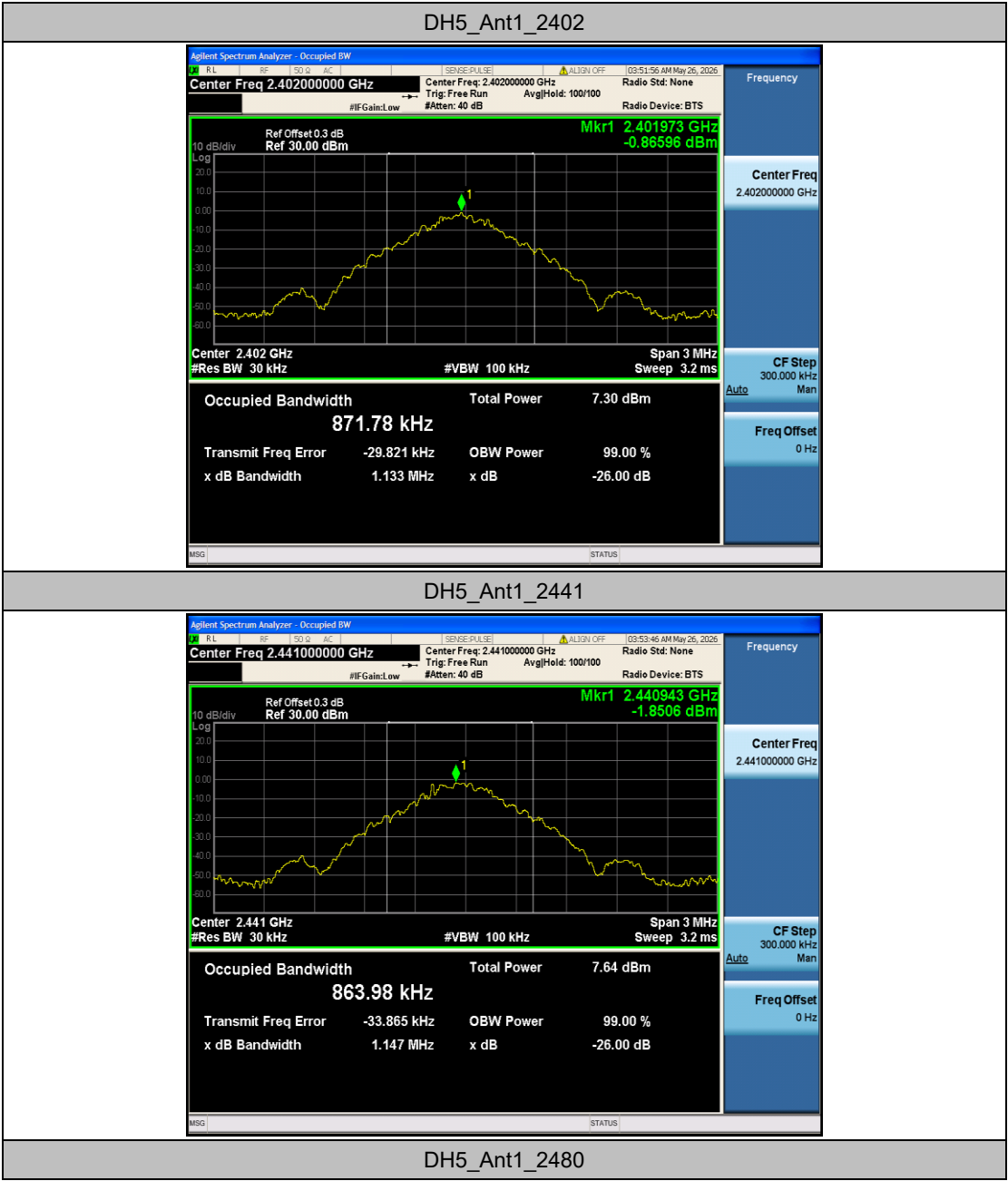


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87178	2401.5343	2402.4061	---	---
		2441	0.86398	2440.5342	2441.3981	---	---
		2480	0.85175	2479.5416	2480.3934	---	---
2DH5	Ant1	2402	1.1685	2401.3833	2402.5518	---	---
		2441	1.1863	2440.3742	2441.5605	---	---
		2480	1.1752	2479.3786	2480.5538	---	---
3DH5	Ant1	2402	1.1973	2401.3797	2402.5770	---	---
		2441	1.1785	2440.3895	2441.5680	---	---
		2480	1.1899	2479.3833	2480.5732	---	---

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	0.41	≤20.97	PASS
		2441	0.81	≤20.97	PASS
		2480	0.43	≤20.97	PASS
2DH5	Ant1	2402	1.24	≤20.97	PASS
		2441	1.55	≤20.97	PASS
		2480	1.26	≤20.97	PASS
3DH5	Ant1	2402	1.89	≤20.97	PASS
		2441	2.19	≤20.97	PASS
		2480	1.91	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.168	≥ 0.963	PASS
2DH5	Ant1	Hop	1.166	≥ 0.854	PASS
3DH5	Ant1	Hop	0.982	≥ 0.878	PASS

Test Graphs



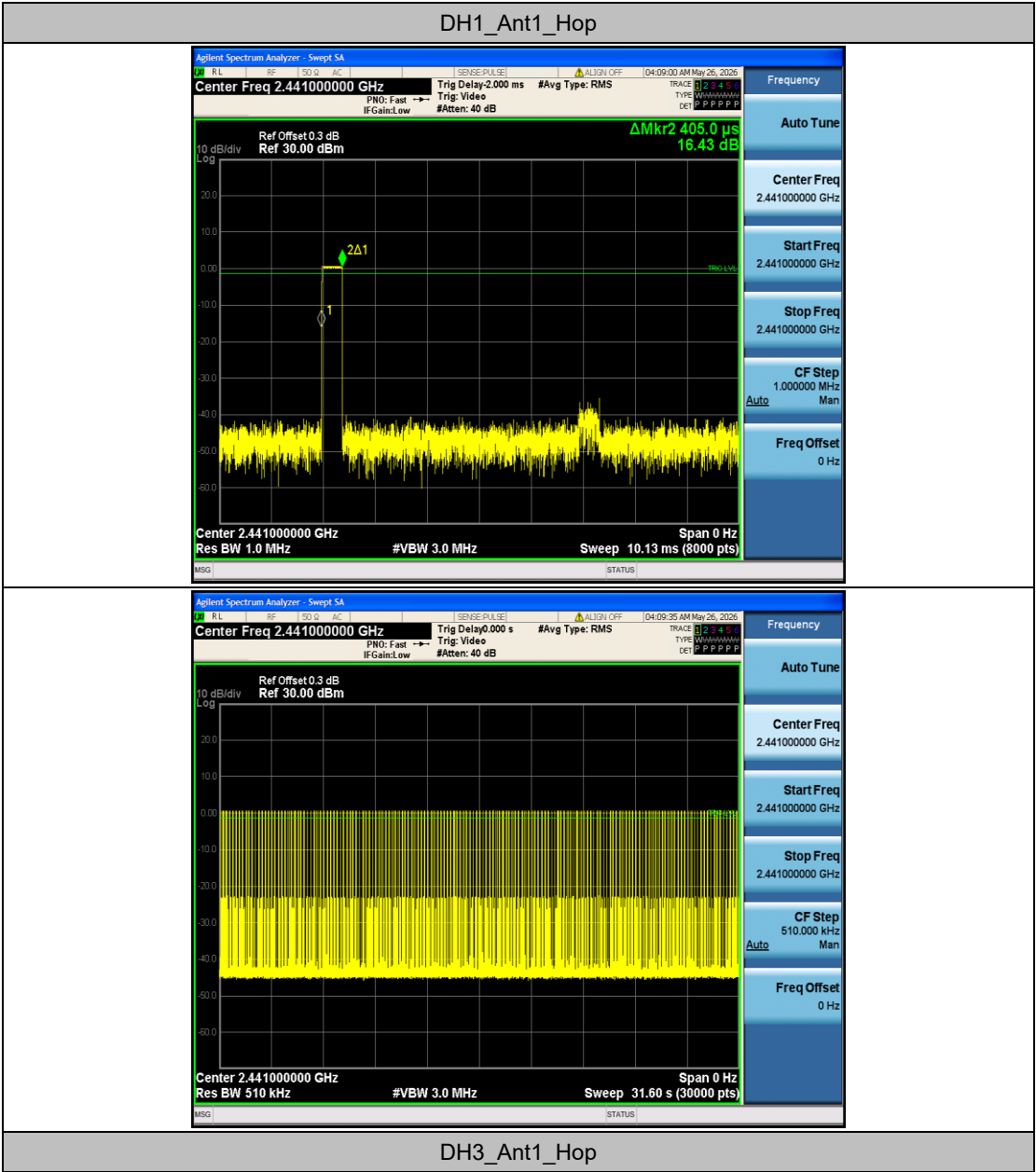


Appendix E: Time of occupancy

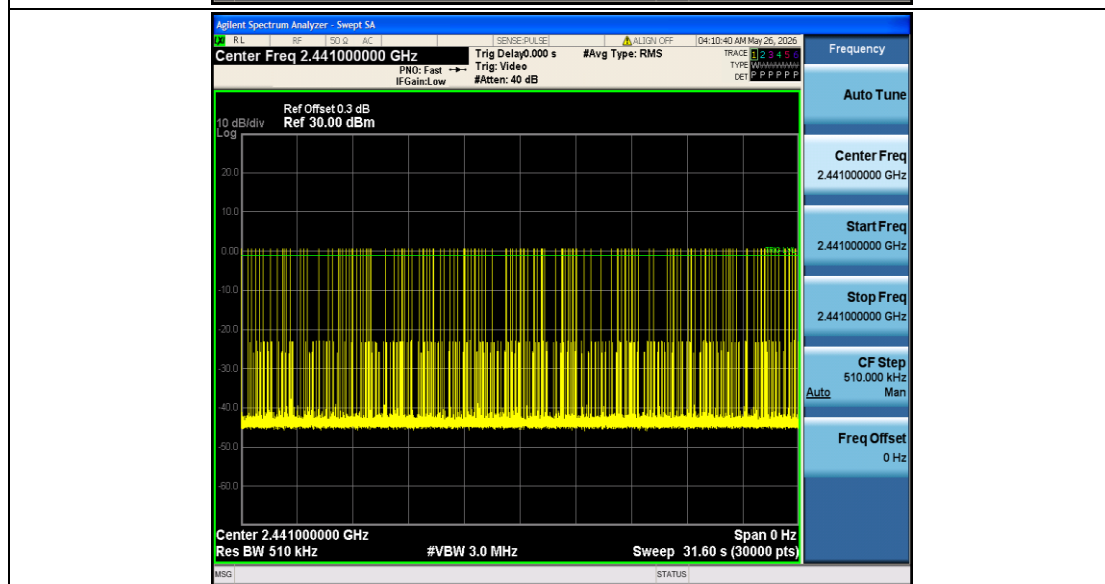
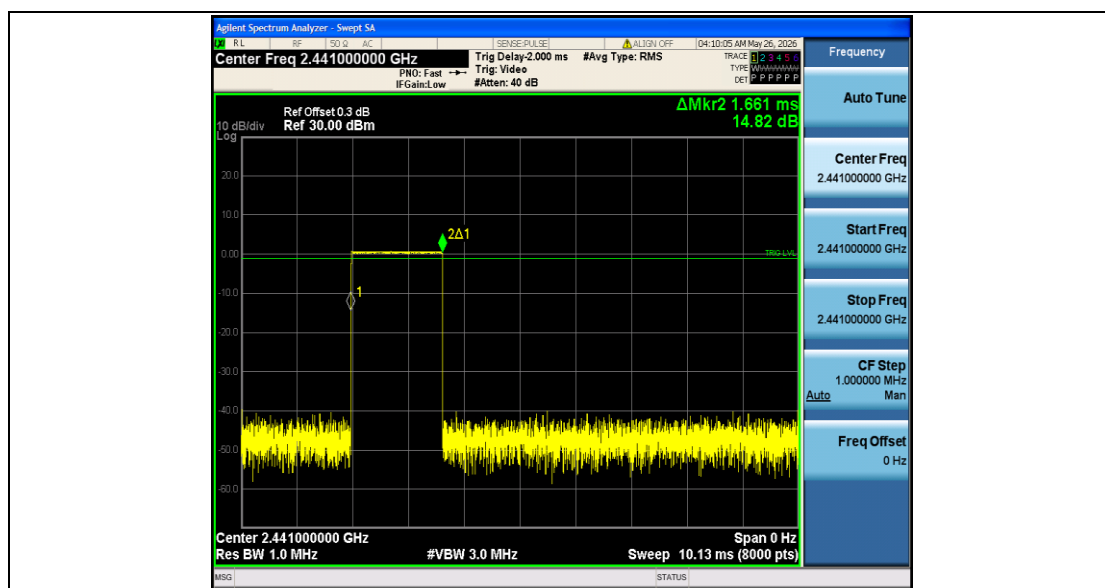
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	316	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.661	149	0.247	≤0.4	PASS
DH5	Ant1	Hop	2.910	107	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.414	317	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.667	146	0.243	≤0.4	PASS
2DH5	Ant1	Hop	2.915	104	0.303	≤0.4	PASS
3DH1	Ant1	Hop	0.417	316	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.667	148	0.247	≤0.4	PASS
3DH5	Ant1	Hop	2.918	103	0.301	≤0.4	PASS

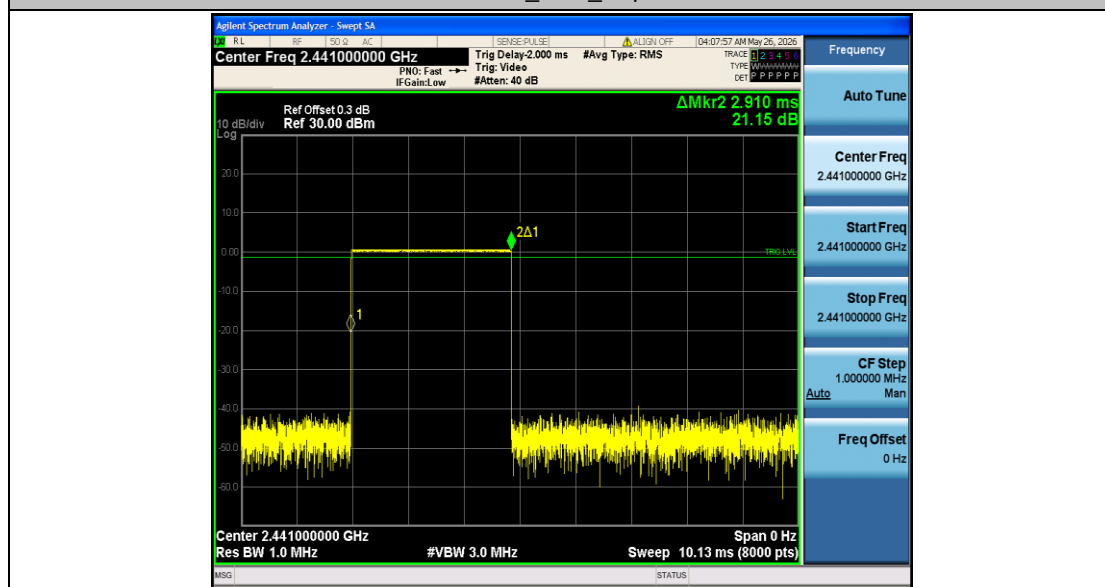
Test Graphs

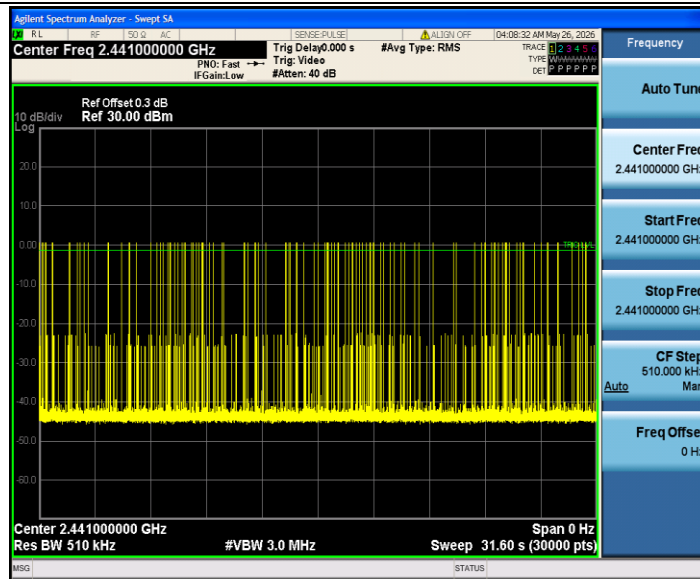


DH3_Ant1_Hop

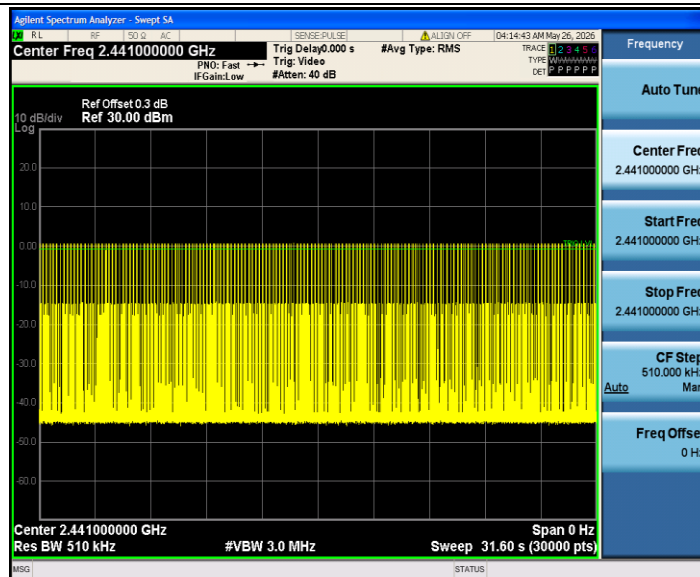
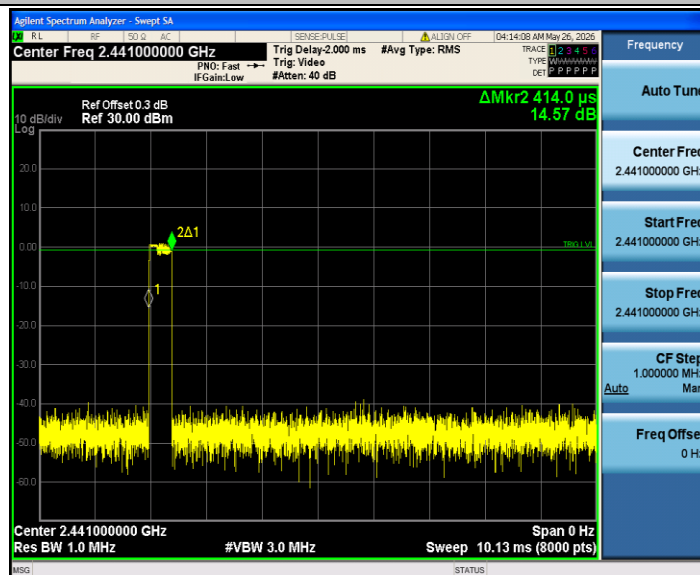


DH5_Ant1_Hop

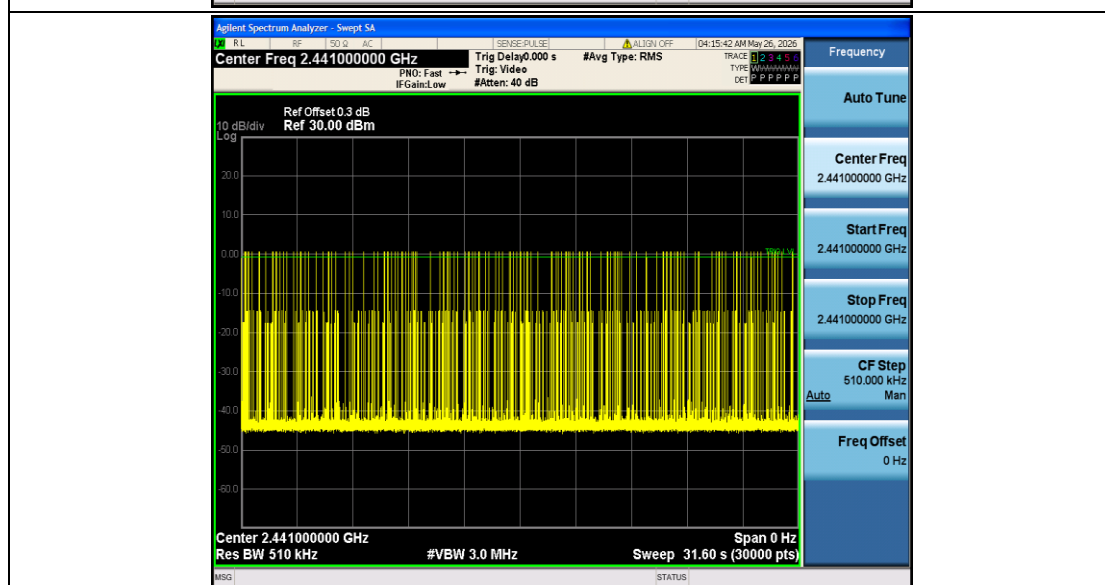
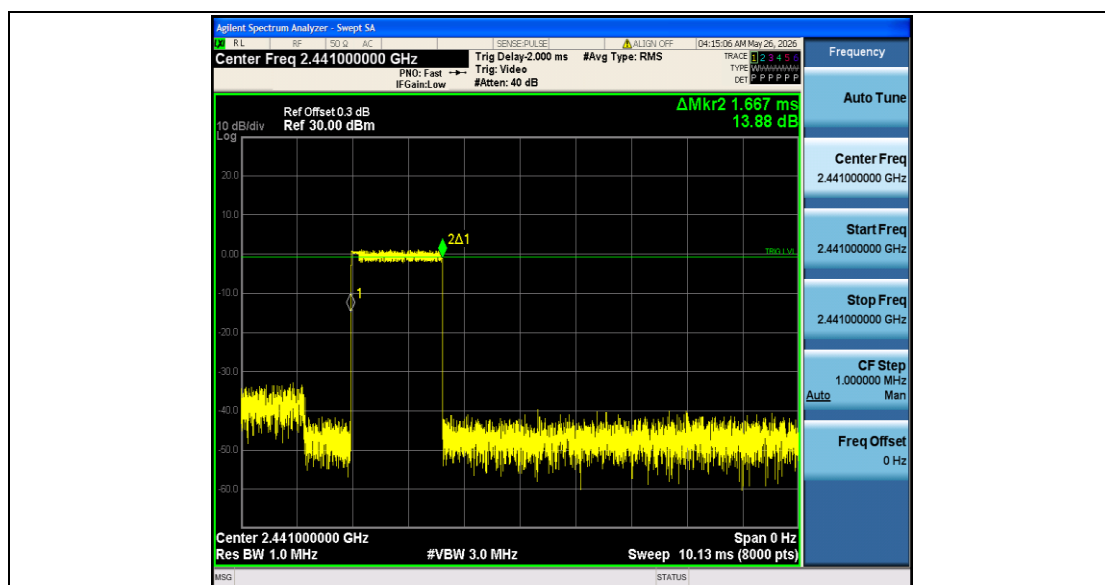




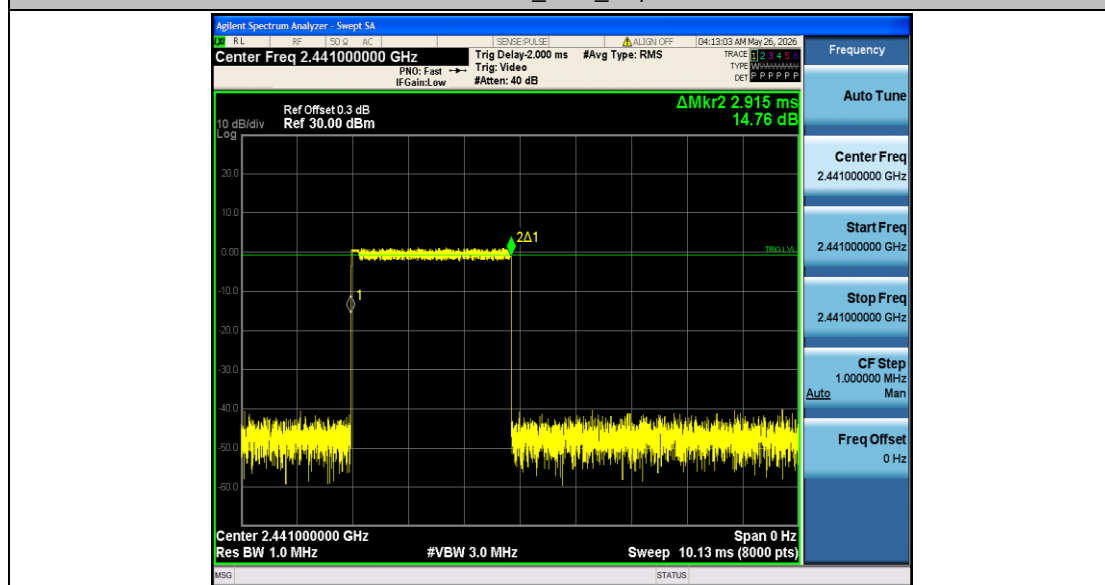
2DH1_Ant1_Hop

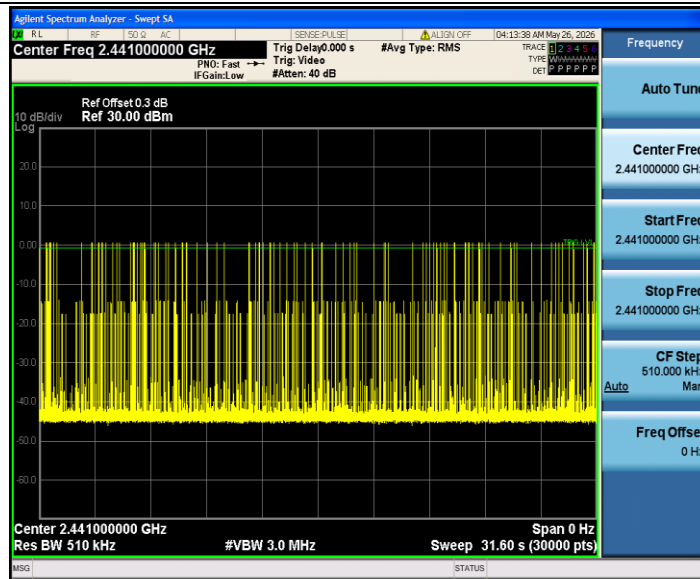


2DH3_Ant1_Hop

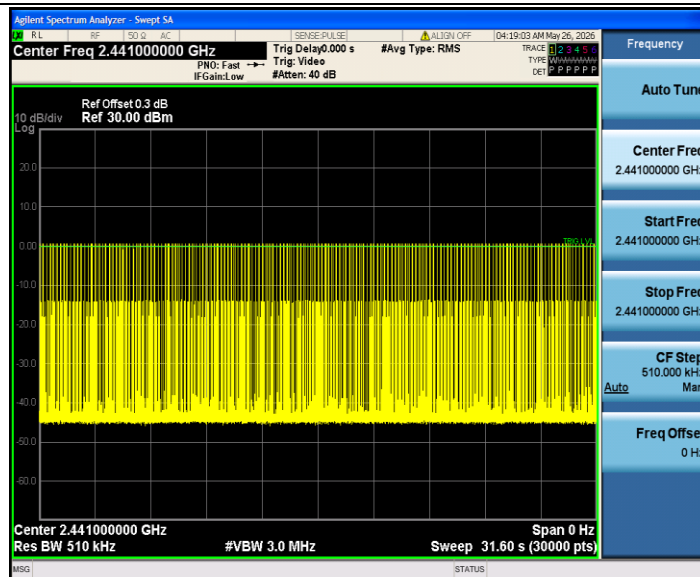
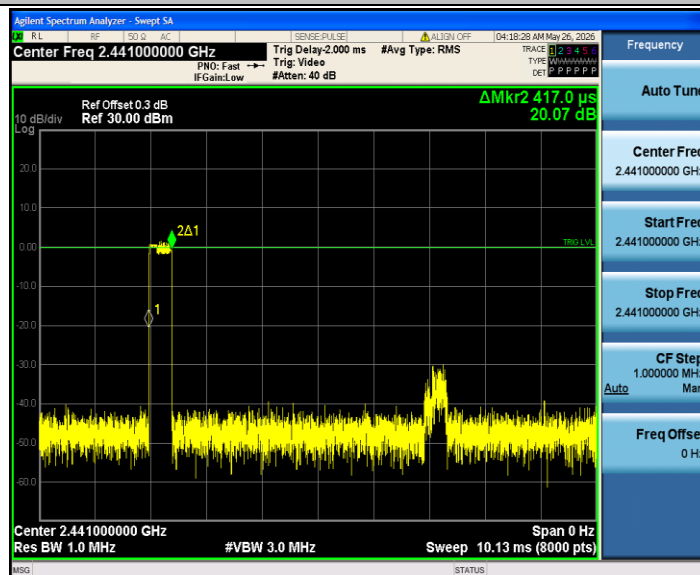


2DH5_Ant1_Hop

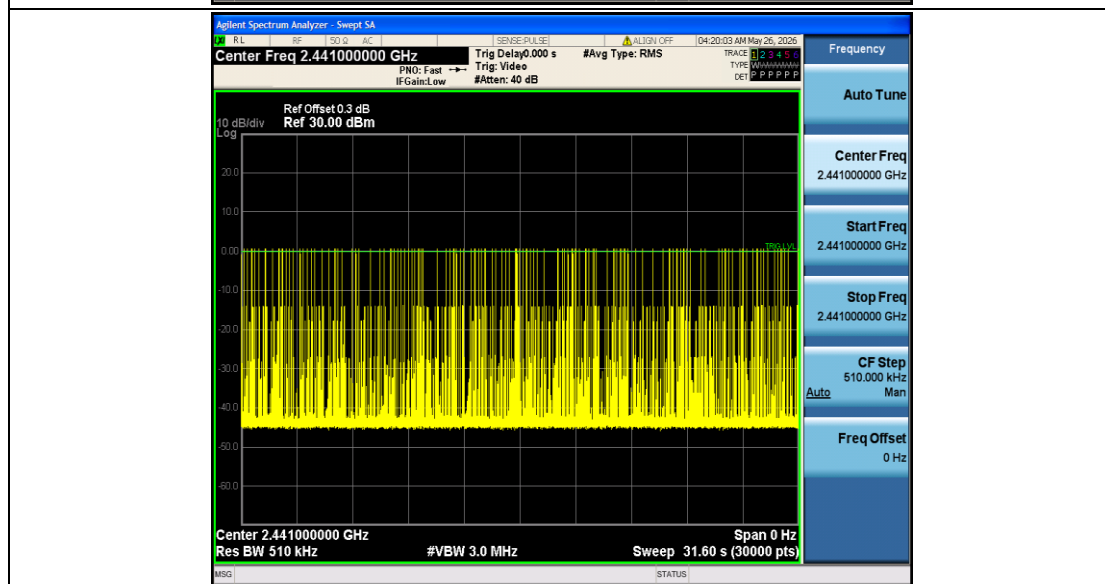
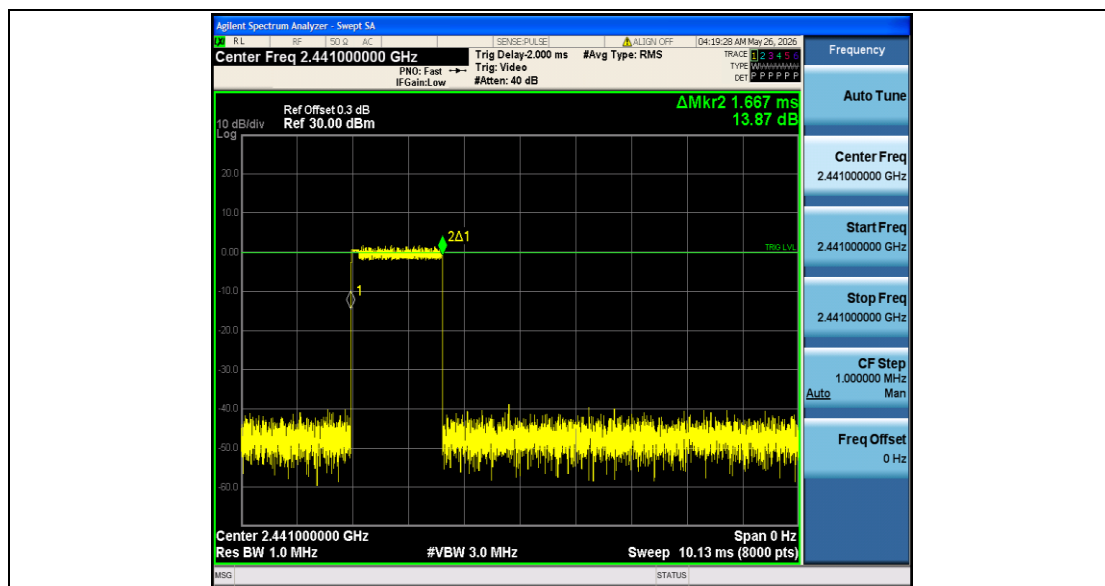




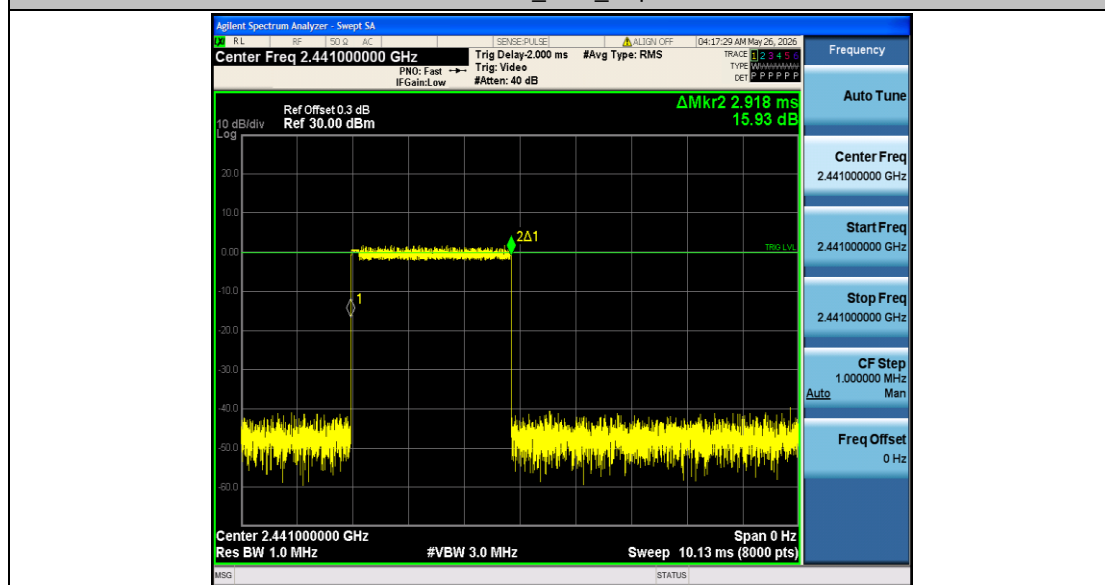
3DH1_Ant1_Hop

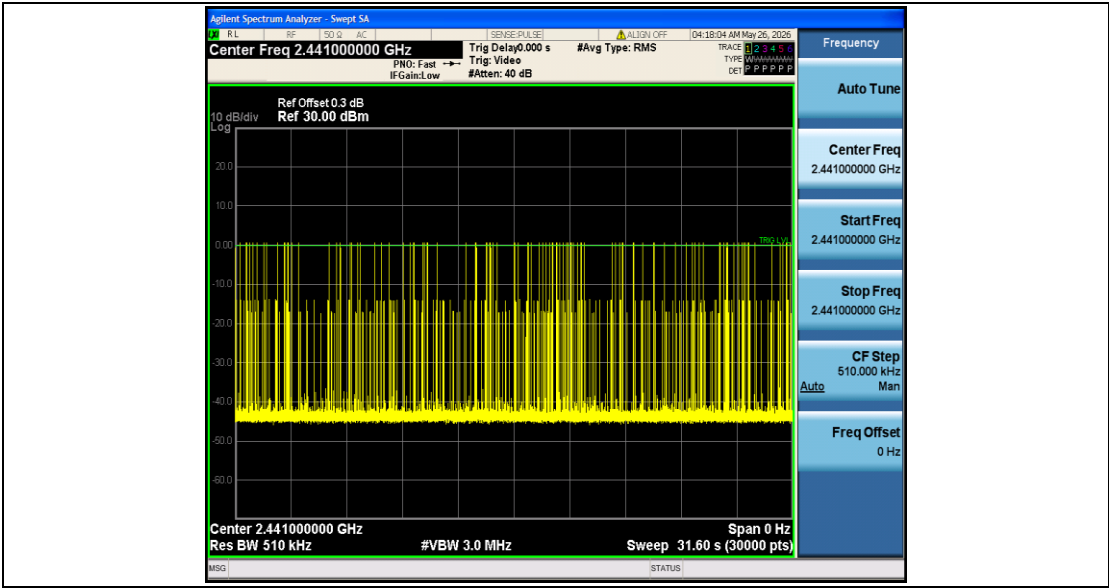


3DH3_Ant1_Hop



3DH5_Ant1_Hop



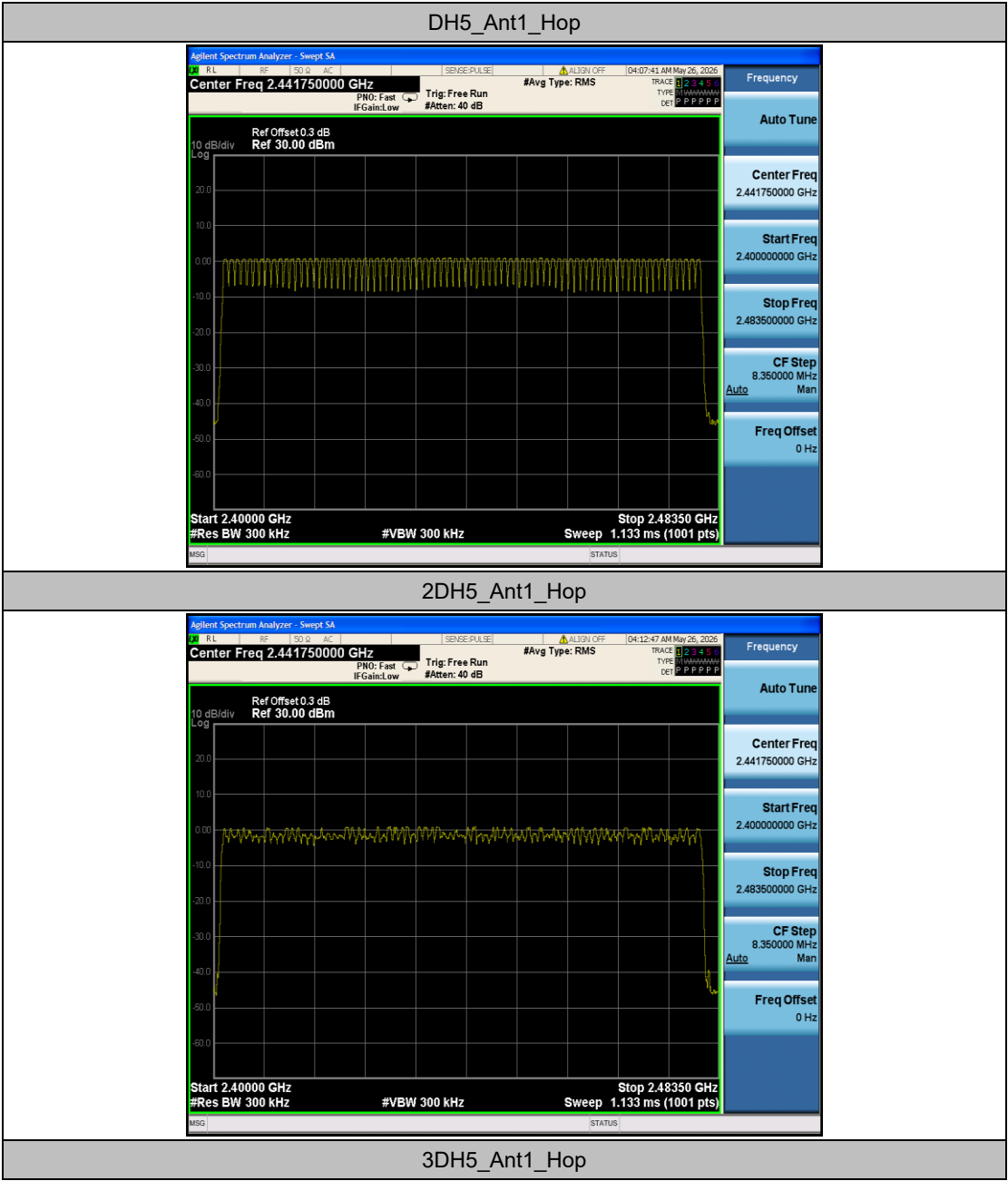


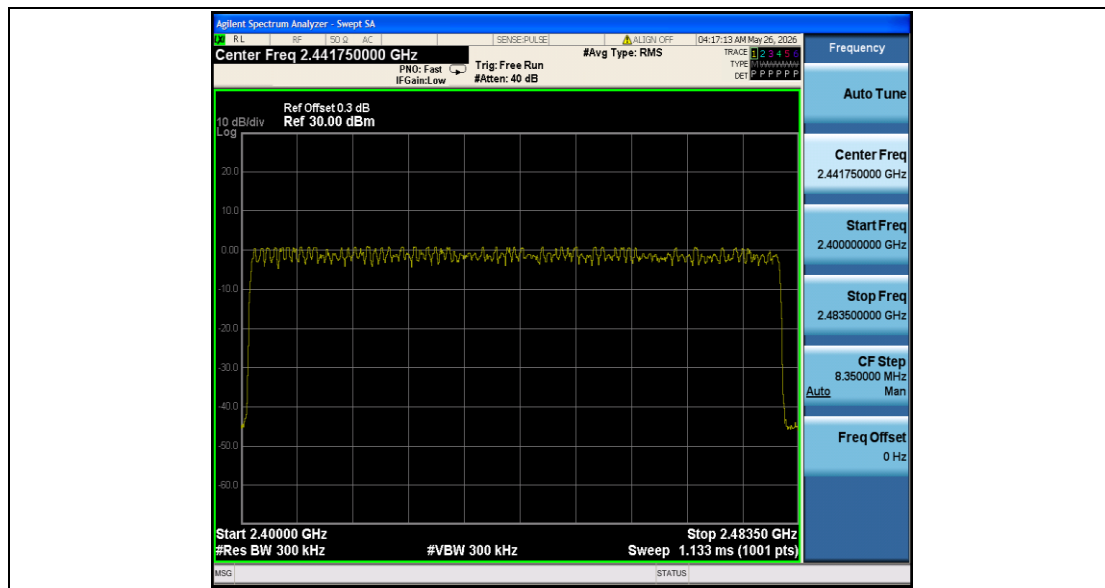
Appendix F: Number of hopping channels

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



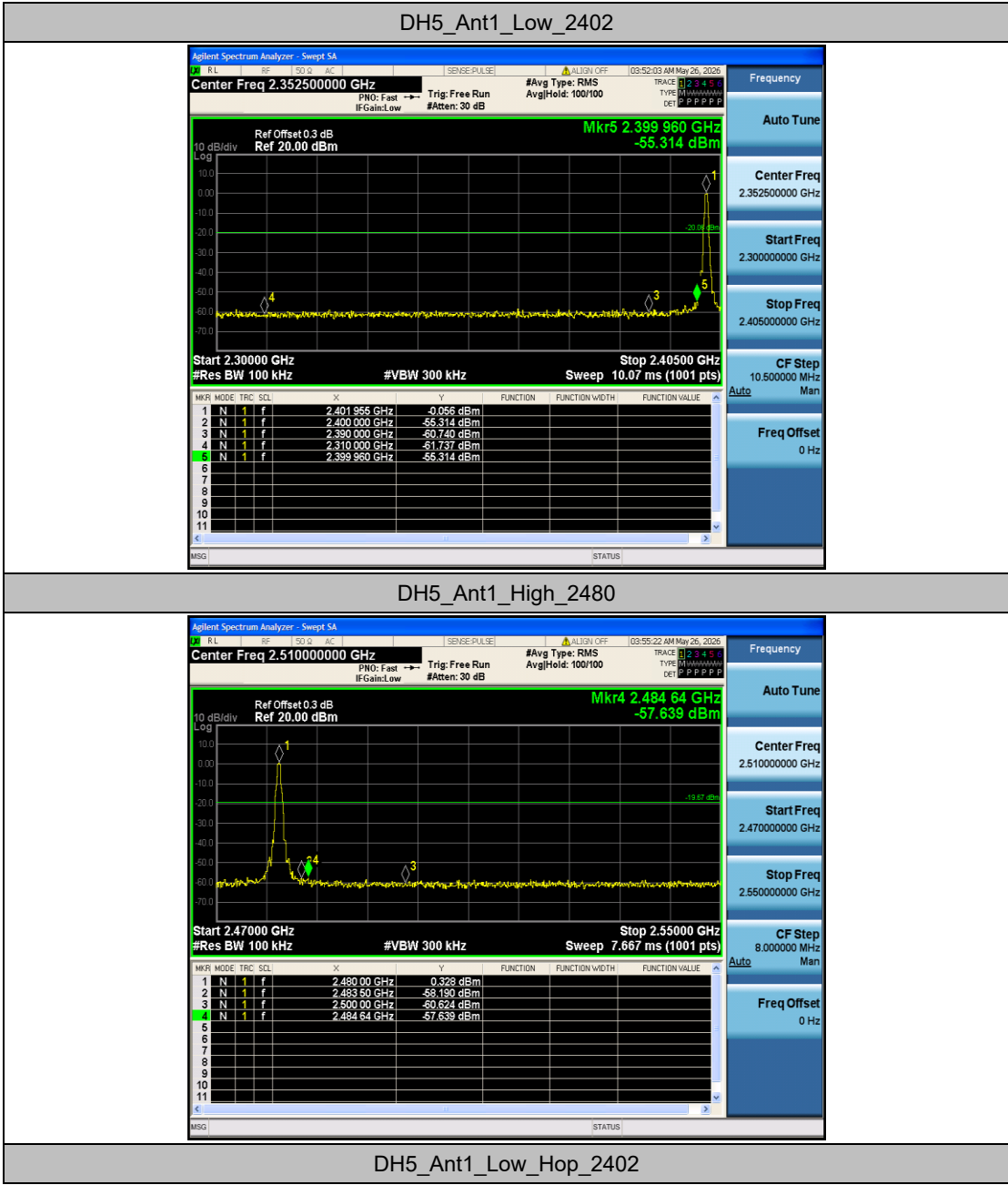


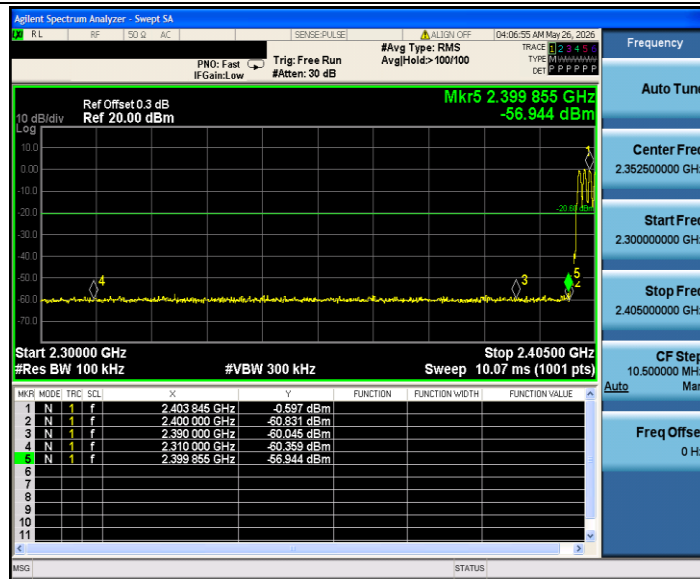
Appendix G: Band edge measurements

Test Result

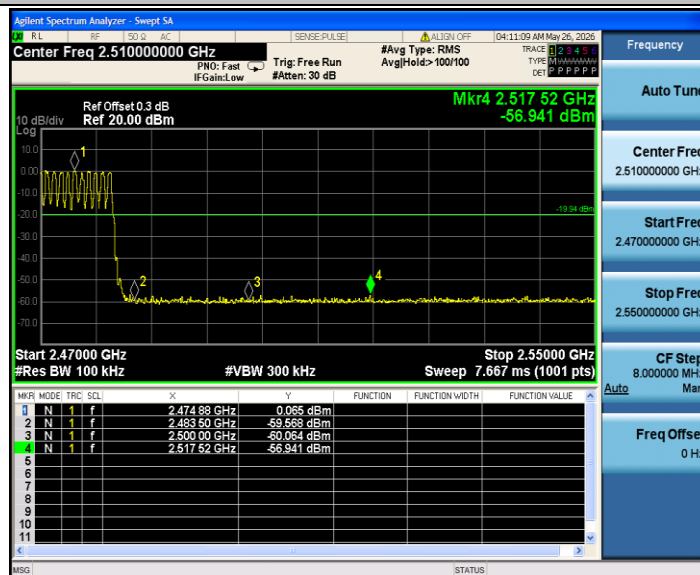
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.06	-55.31	≤-20.06	PASS
		High	2480	0.33	-57.64	≤-19.67	PASS
		Low	Hop_2402	-0.60	-56.94	≤-20.6	PASS
		High	Hop_2480	0.07	-56.94	≤-19.94	PASS
2DH5	Ant1	Low	2402	-0.16	-54.43	≤-20.16	PASS
		High	2480	0.22	-56.38	≤-19.78	PASS
		Low	Hop_2402	-1.43	-56.32	≤-21.43	PASS
		High	Hop_2480	-3.39	-57.57	≤-23.39	PASS
3DH5	Ant1	Low	2402	0.06	-53.93	≤-19.94	PASS
		High	2480	0.15	-56.59	≤-19.85	PASS
		Low	Hop_2402	-0.78	-56	≤-20.78	PASS
		High	Hop_2480	-1.69	-55.99	≤-21.69	PASS

Test Graphs

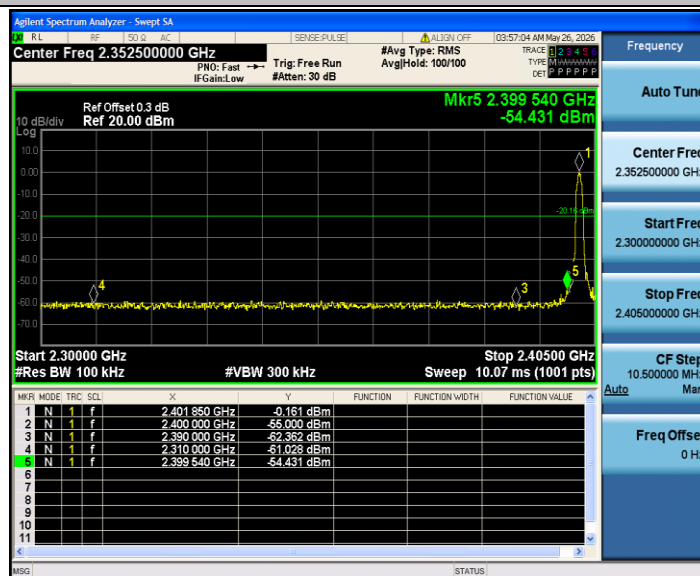




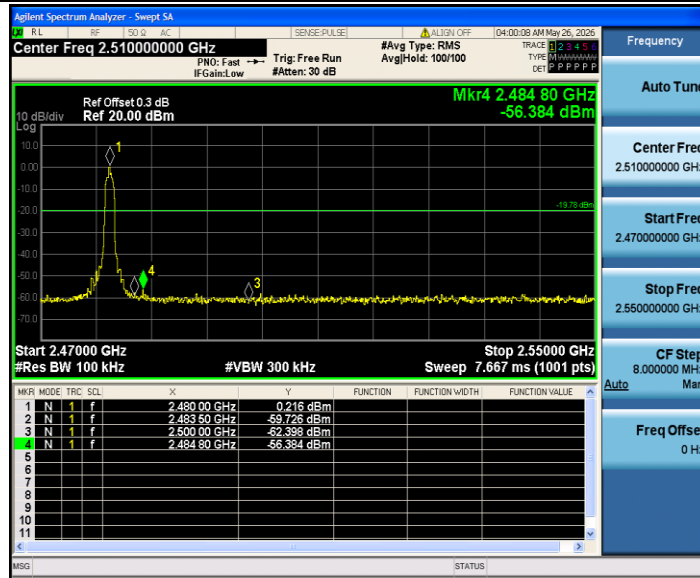
DH5_Ant1_High_Hop_2480



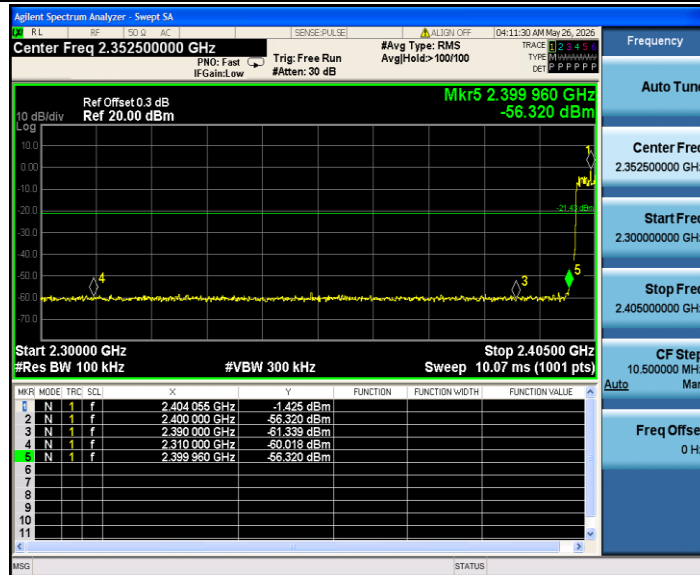
2DH5_Ant1_Low_2402



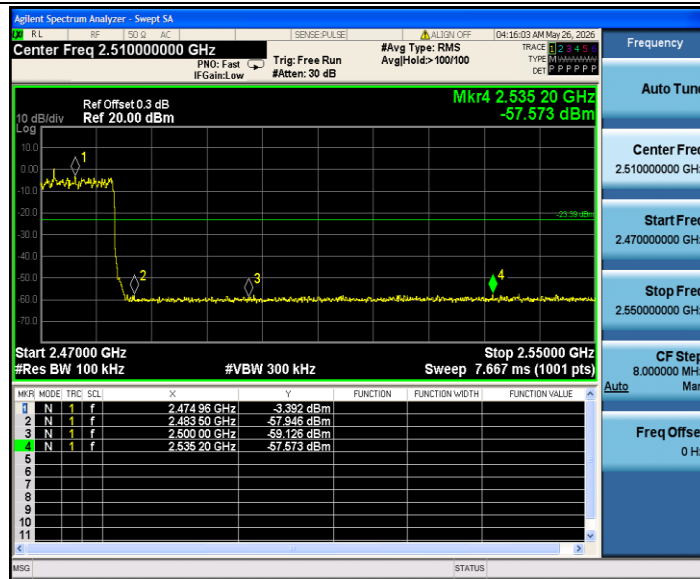
2DH5_Ant1_High_2480



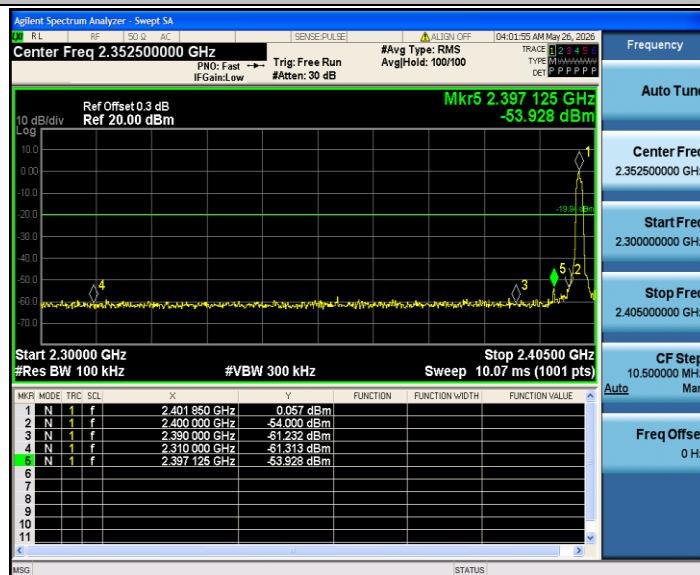
2DH5_Ant1_Low_Hop_2402



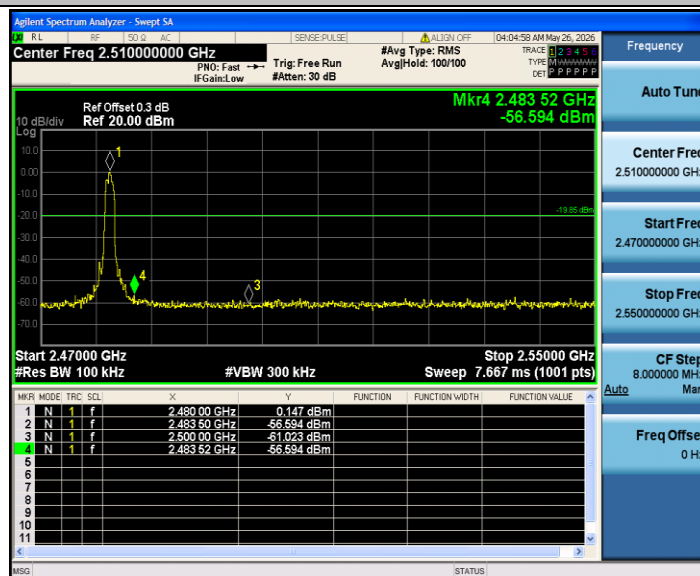
2DH5_Ant1_High_Hop_2480



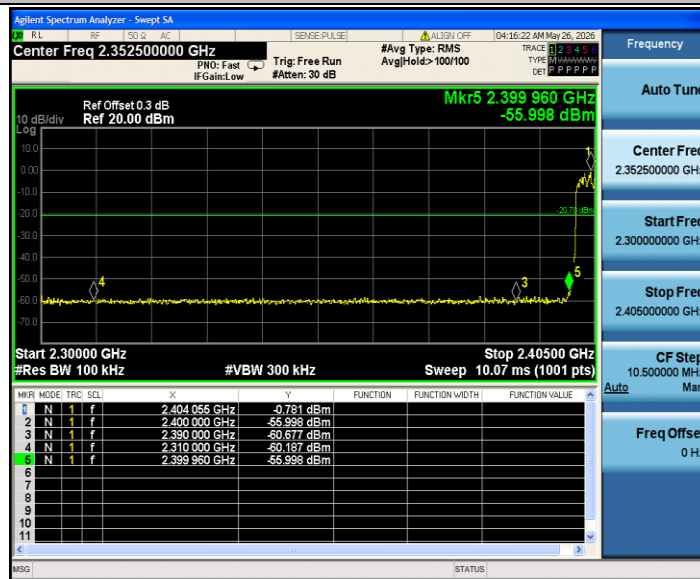
3DH5_Ant1_Low_2402



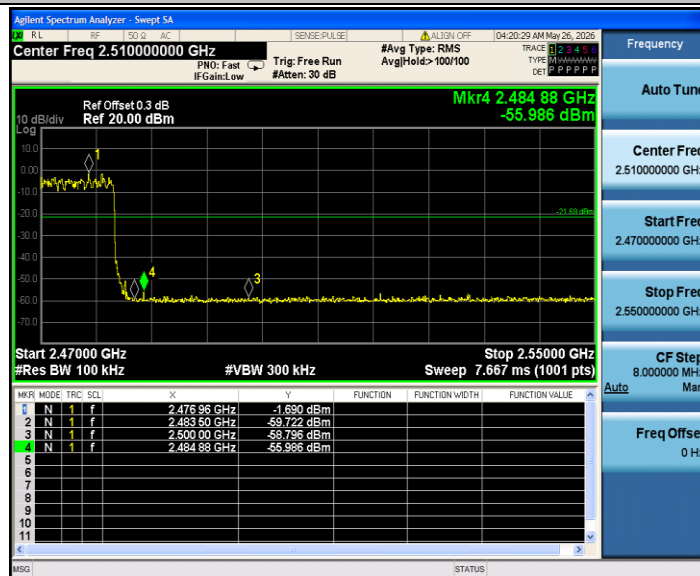
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

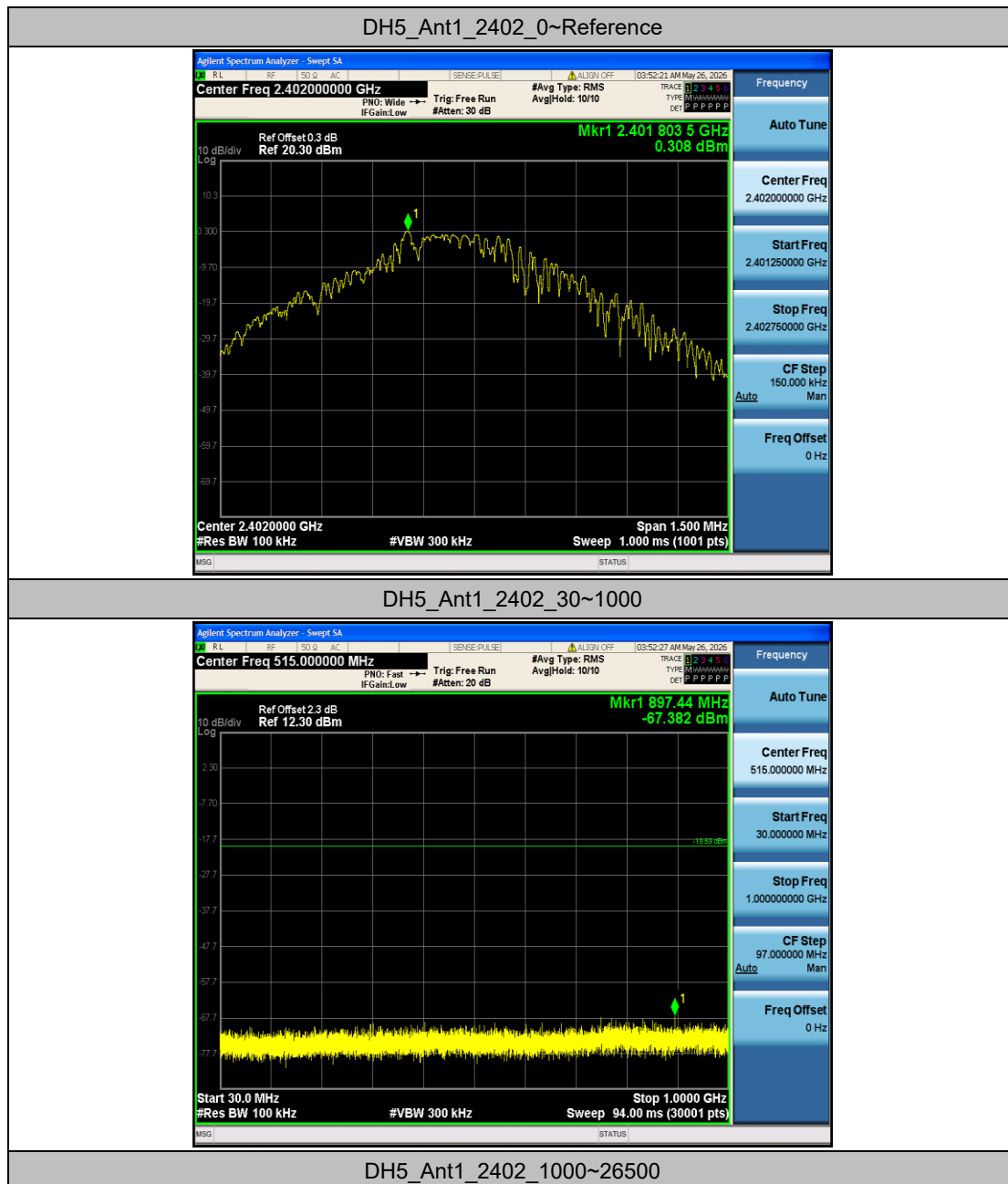


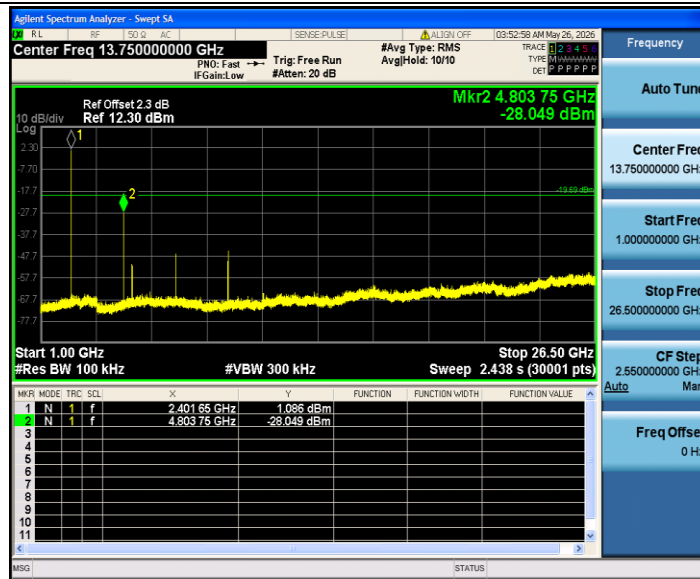
Appendix H: Conducted Spurious Emission

Test Result

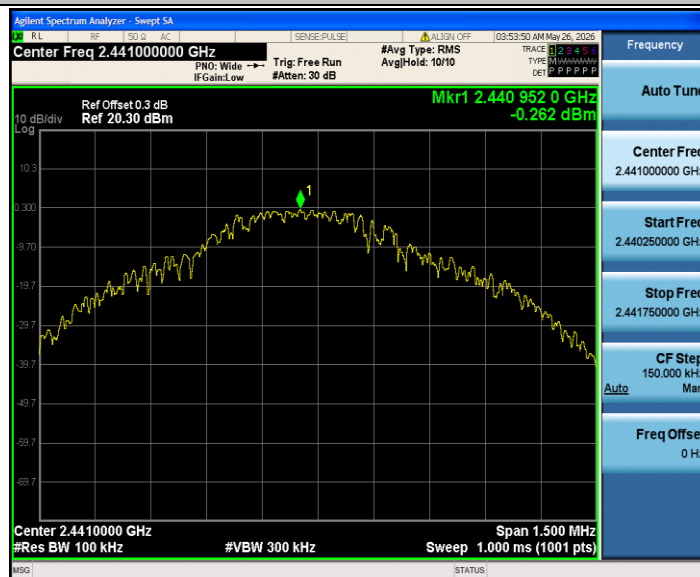
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-67.38	≤-19.69	PASS
			1000~26500	0.31	-28.05	≤-19.69	PASS
		2441	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-68.45	≤-20.26	PASS
			1000~26500	-0.26	-28.71	≤-20.26	PASS
		2480	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-68.4	≤-19.82	PASS
			1000~26500	0.18	-28.33	≤-19.82	PASS
2DH5	Ant1	2402	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-67.61	≤-23.39	PASS
			1000~26500	-3.39	-27.09	≤-23.39	PASS
		2441	Reference	-3.82	-3.82	---	PASS
			30~1000	-3.82	-68.03	≤-23.82	PASS
			1000~26500	-3.82	-25.92	≤-23.82	PASS
		2480	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-68.1	≤-23.12	PASS
			1000~26500	-3.12	-30.4	≤-23.12	PASS
3DH5	Ant1	2402	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-67.66	≤-23.63	PASS
			1000~26500	-3.63	-34.68	≤-23.63	PASS
		2441	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-67.87	≤-20.19	PASS
			1000~26500	-0.19	-25.77	≤-20.19	PASS
		2480	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-66.85	≤-20.6	PASS
			1000~26500	-0.60	-31.66	≤-20.6	PASS

Test Graphs

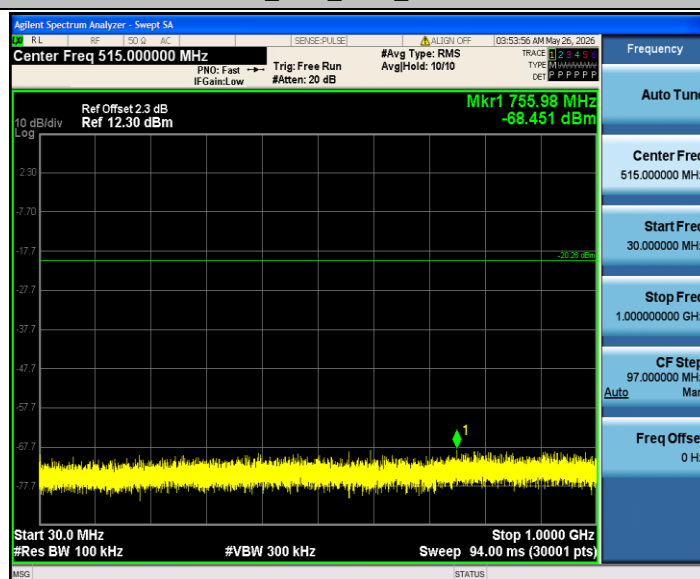




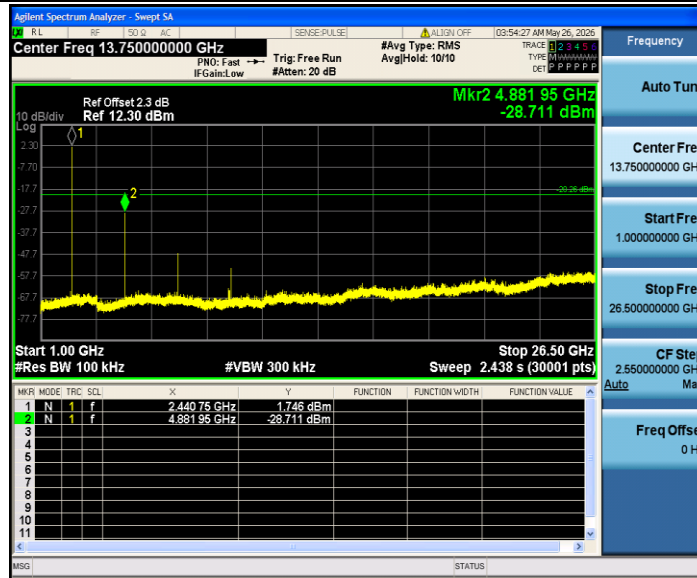
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



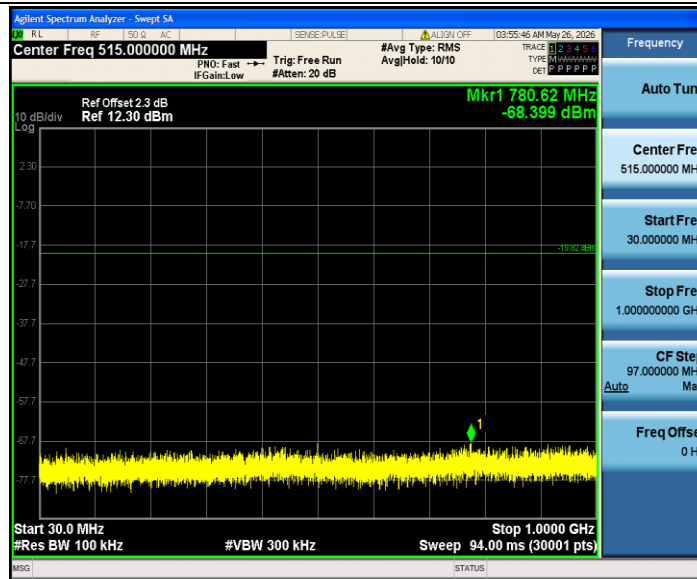
DH5_Ant1_2441_1000~26500



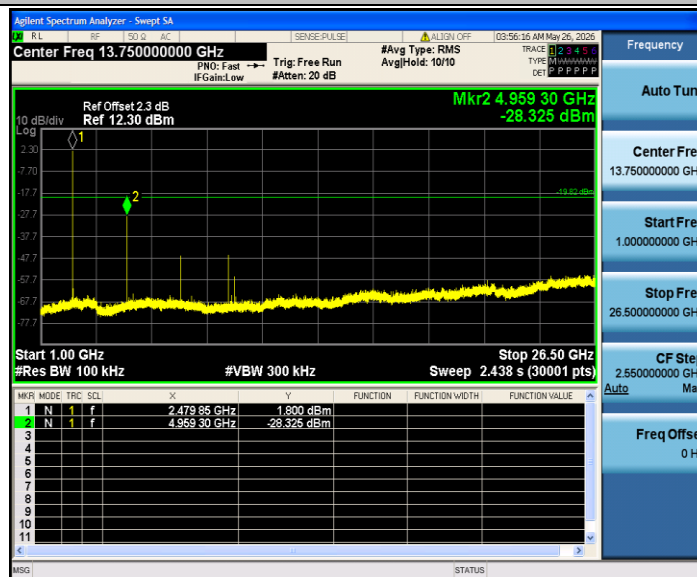
DH5_Ant1_2480_0~Reference



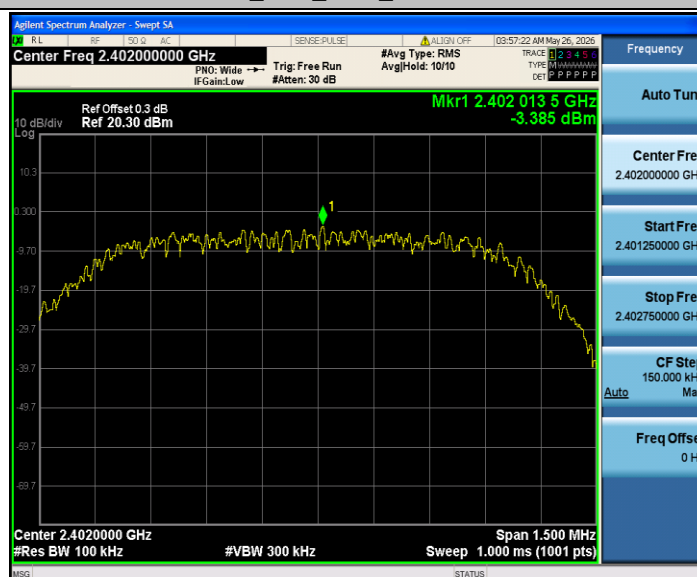
DH5_Ant1_2480_30~1000



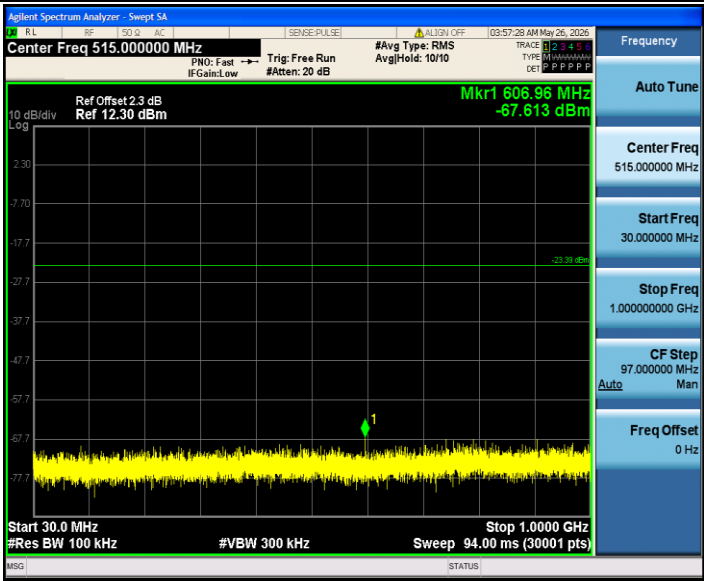
DH5_Ant1_2480_1000~26500



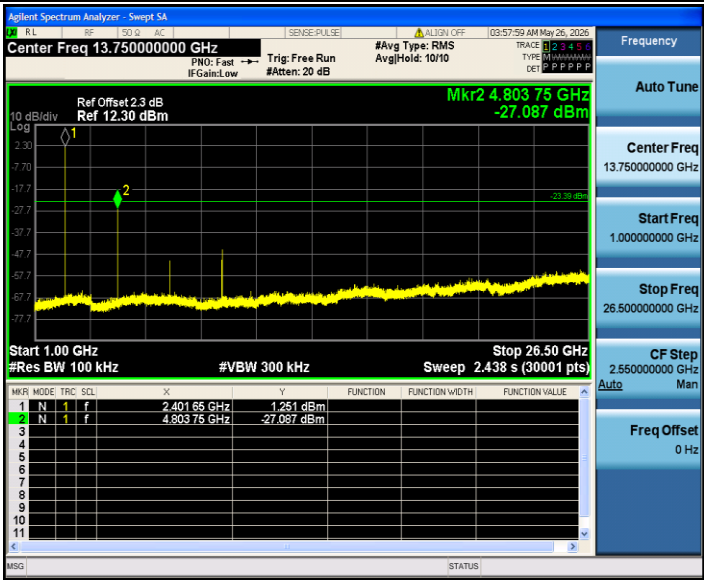
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference