

FCC Appendix RF Test Data for BT

FCC ID : 2BTU7-T7

Company : Shenzhen Saiteng century Technology Co.,LTD

EUT : Magnetic selfie camera

Model Number : T7

Report No. : CTA26062500101

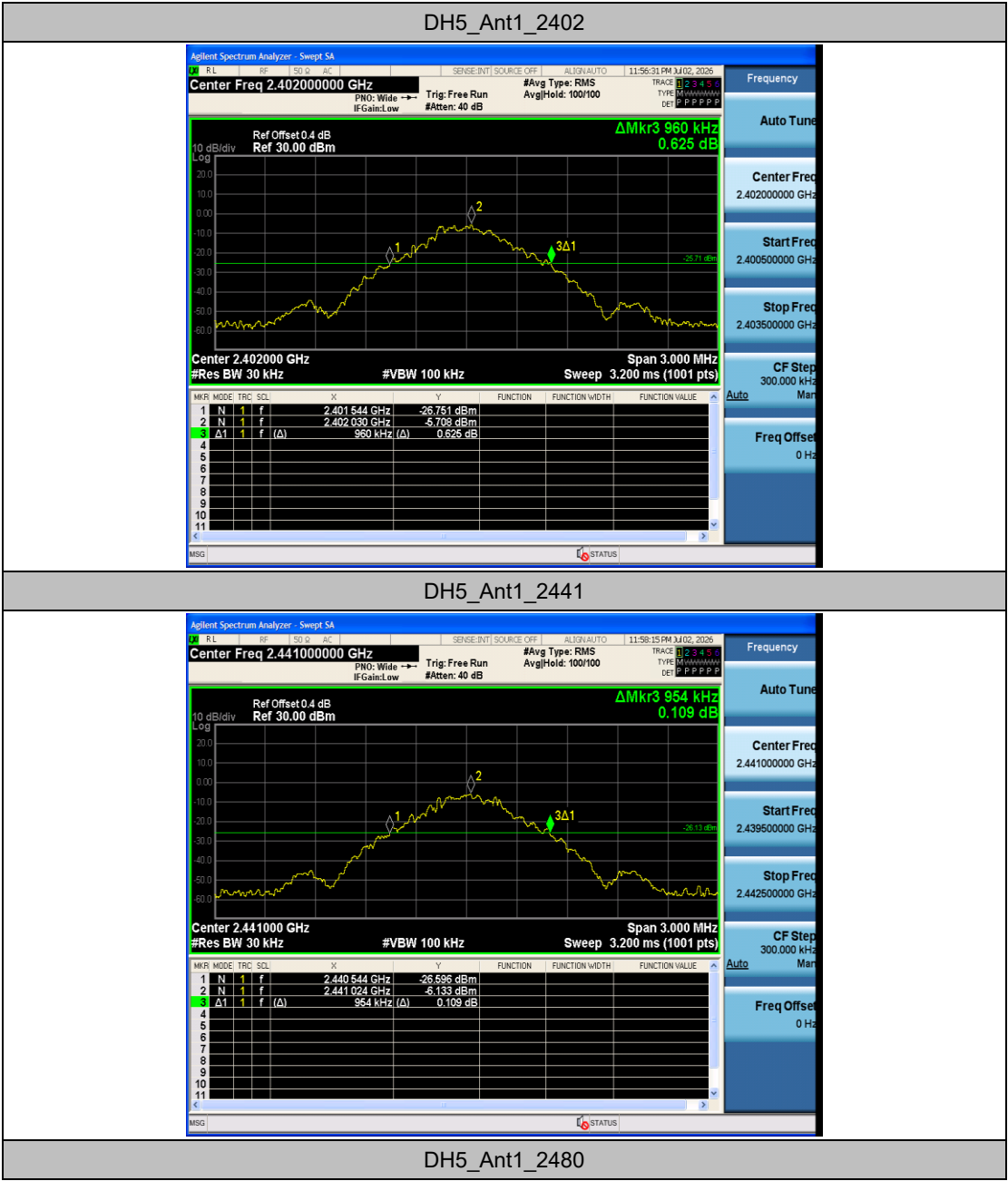
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.544	2402.504	---	---
		2441	0.954	2440.544	2441.498	---	---
		2480	0.957	2479.544	2480.501	---	---
2DH5	Ant1	2402	1.290	2401.376	2402.666	---	---
		2441	1.347	2440.337	2441.684	---	---
		2480	1.293	2479.376	2480.669	---	---
3DH5	Ant1	2402	1.299	2401.367	2402.666	---	---
		2441	1.293	2440.364	2441.657	---	---
		2480	1.308	2479.358	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

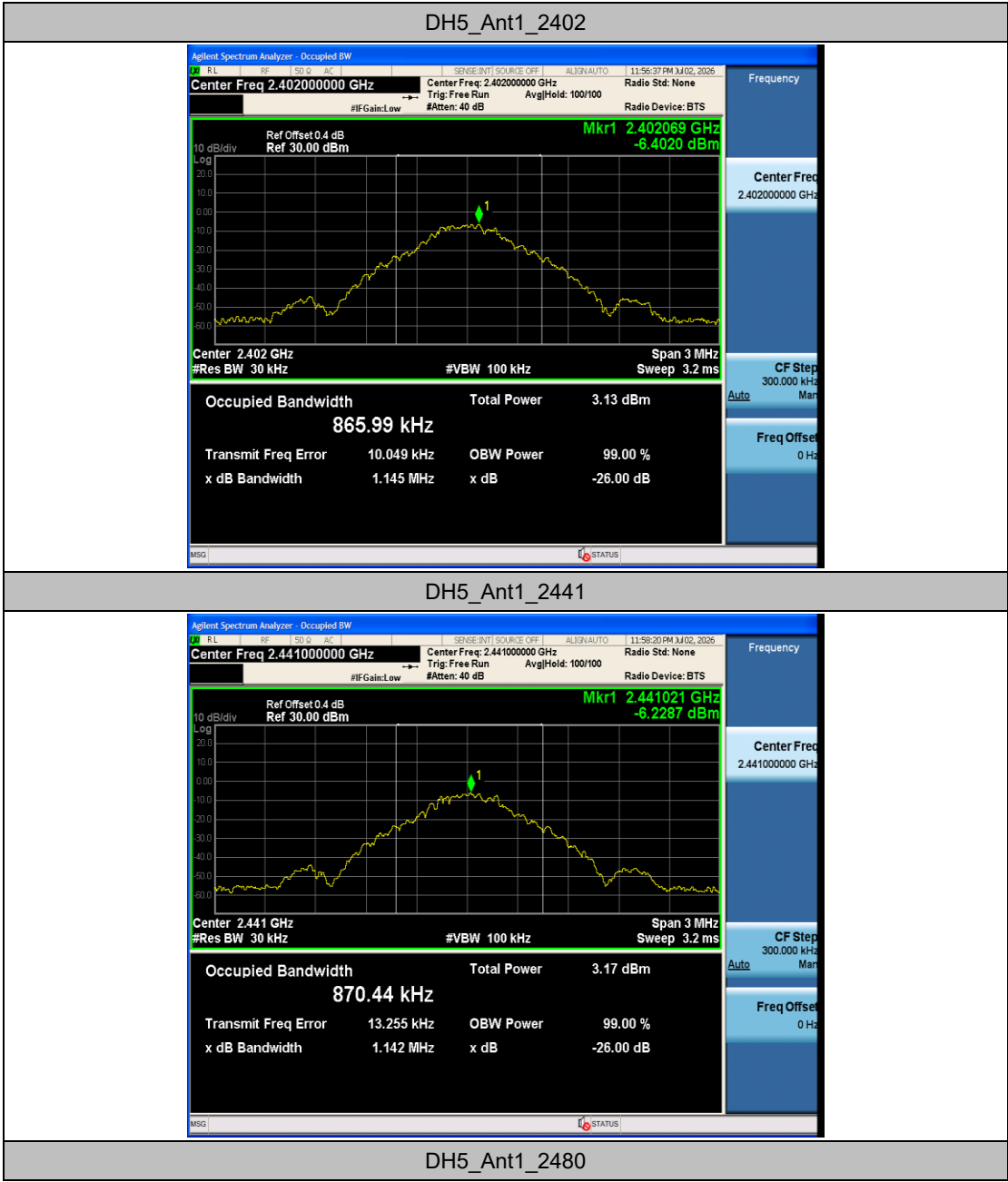


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86599	2401.5771	2402.4430	---	---
		2441	0.87044	2440.5780	2441.4485	---	---
		2480	0.86184	2479.5828	2480.4446	---	---
2DH5	Ant1	2402	1.1860	2401.4189	2402.6049	---	---
		2441	1.1857	2440.4185	2441.6042	---	---
		2480	1.1899	2479.4162	2480.6061	---	---
3DH5	Ant1	2402	1.1856	2401.4198	2402.6054	---	---
		2441	1.1784	2440.4246	2441.6030	---	---
		2480	1.1756	2479.4189	2480.5945	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



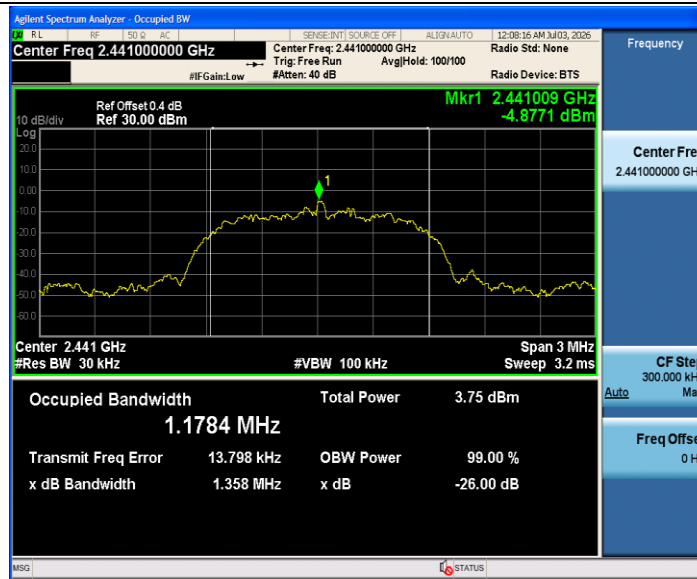
2DH5_Ant1_2480



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	-3.12	≤20.97	PASS
		2441	-3.19	≤20.97	PASS
		2480	-3.44	≤20.97	PASS
2DH5	Ant1	2402	-0.56	≤20.97	PASS
		2441	-0.59	≤20.97	PASS
		2480	-0.87	≤20.97	PASS
3DH5	Ant1	2402	-0.11	≤20.97	PASS
		2441	-0.17	≤20.97	PASS
		2480	-0.49	≤20.97	PASS

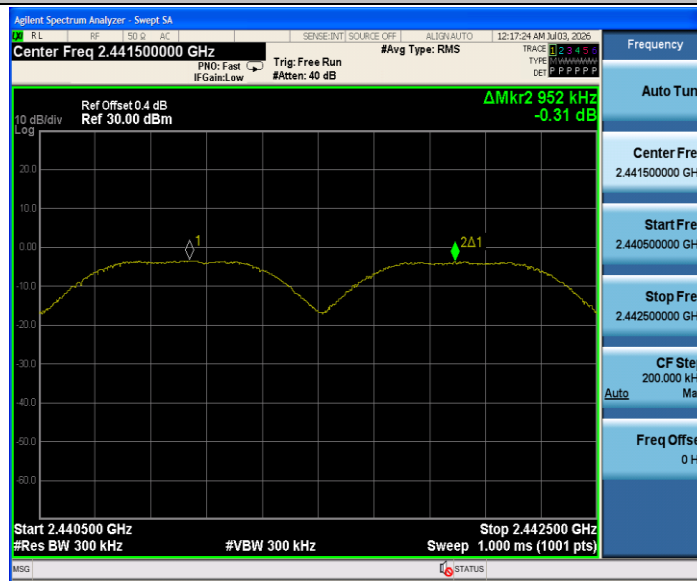
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.952	≥ 0.640	PASS
2DH5	Ant1	Hop	1.024	≥ 0.898	PASS
3DH5	Ant1	Hop	0.94	≥ 0.872	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

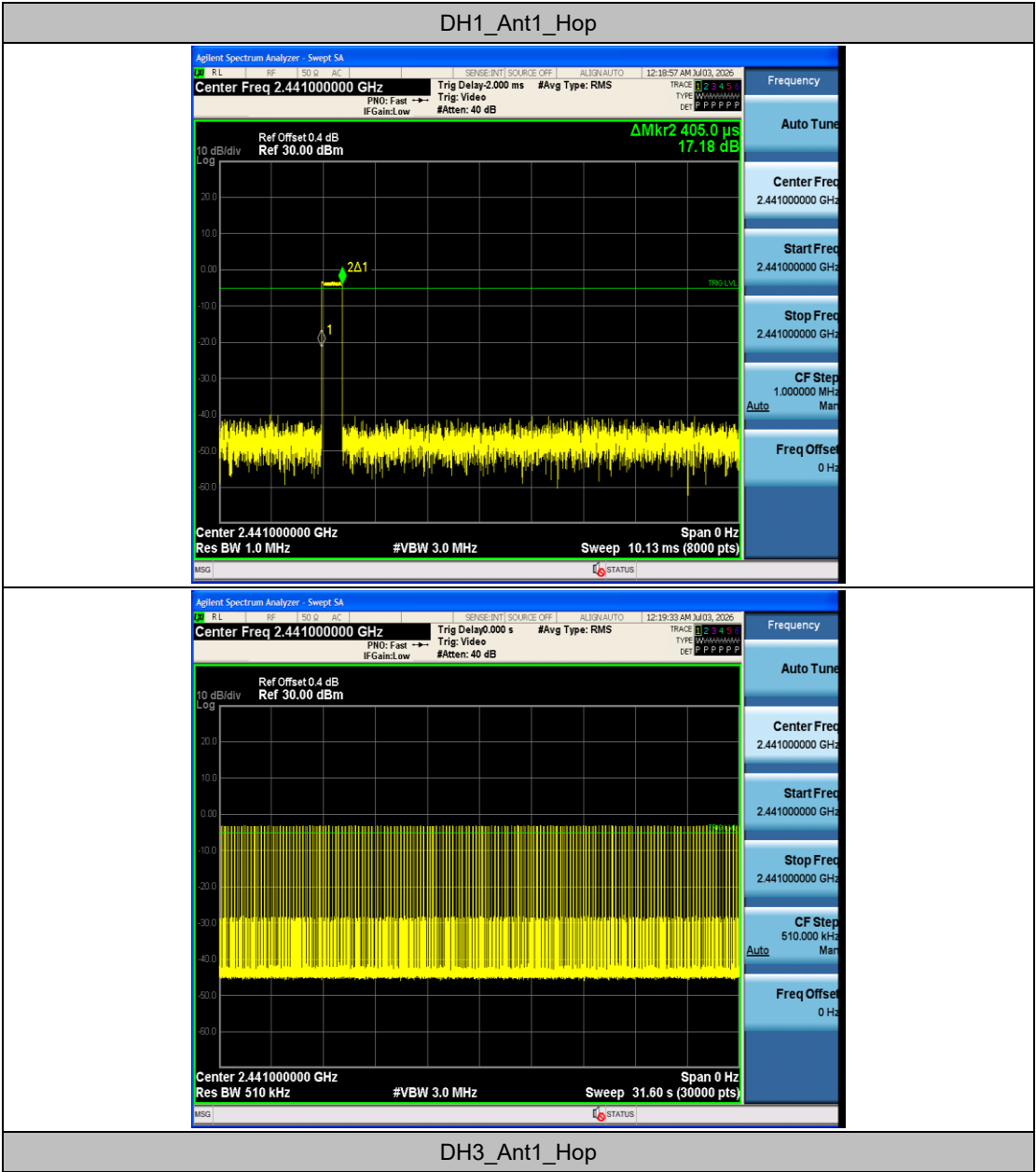


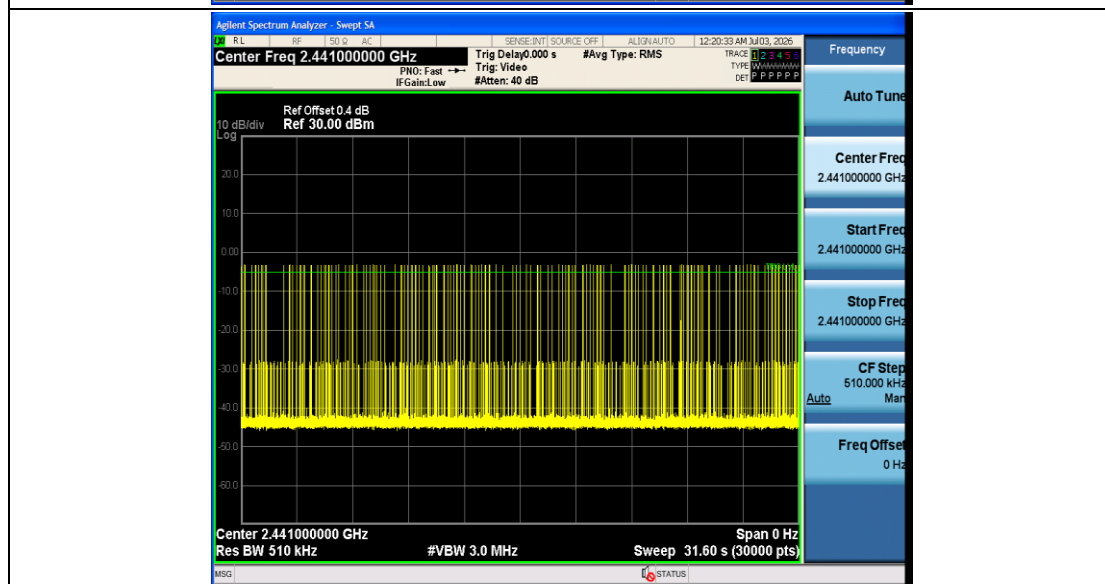
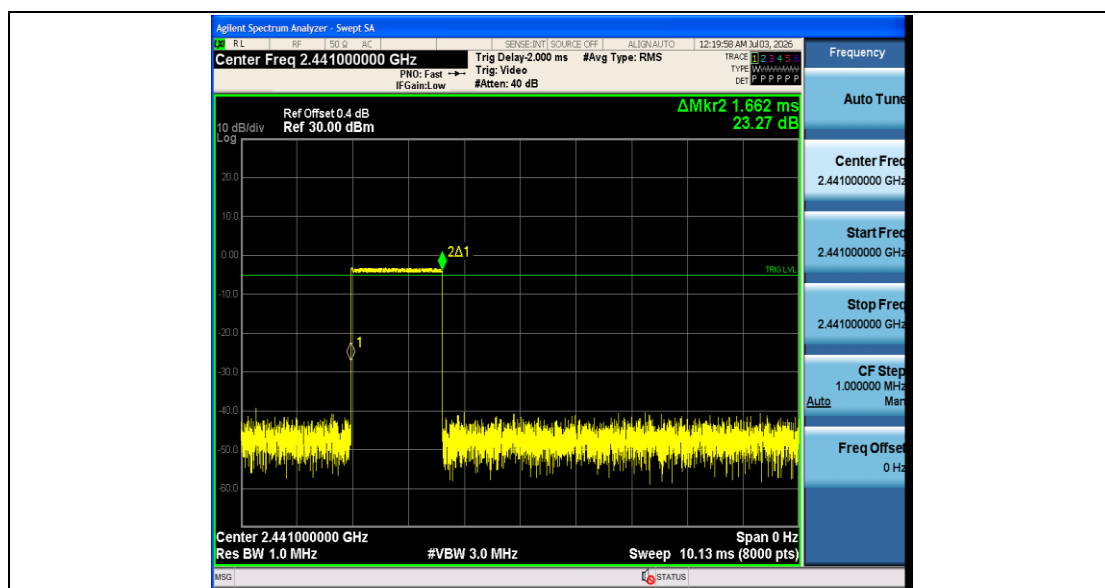
Appendix E: Time of occupancy

Test Result

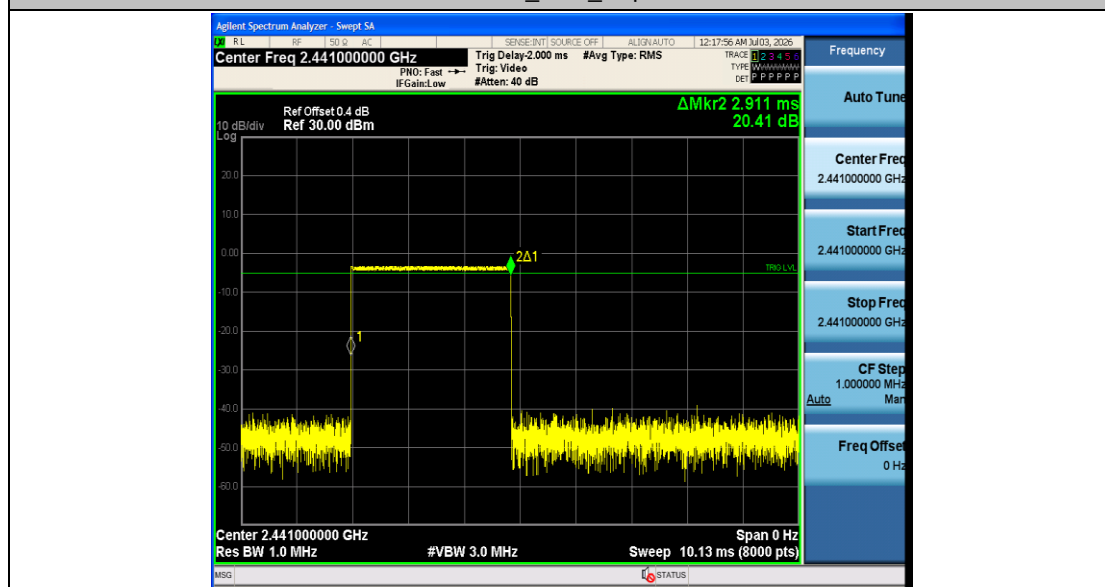
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	316	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.662	165	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.911	113	0.329	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	164	0.273	≤0.4	PASS
2DH5	Ant1	Hop	2.916	118	0.344	≤0.4	PASS
3DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	155	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.915	104	0.303	≤0.4	PASS

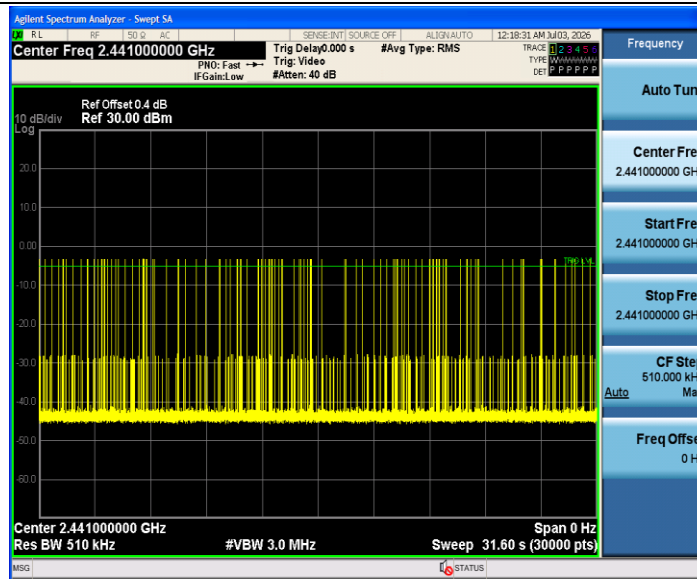
Test Graphs



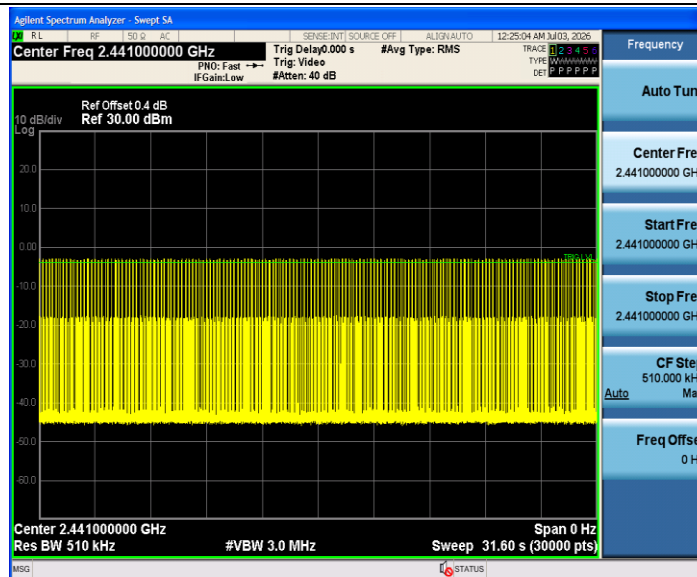
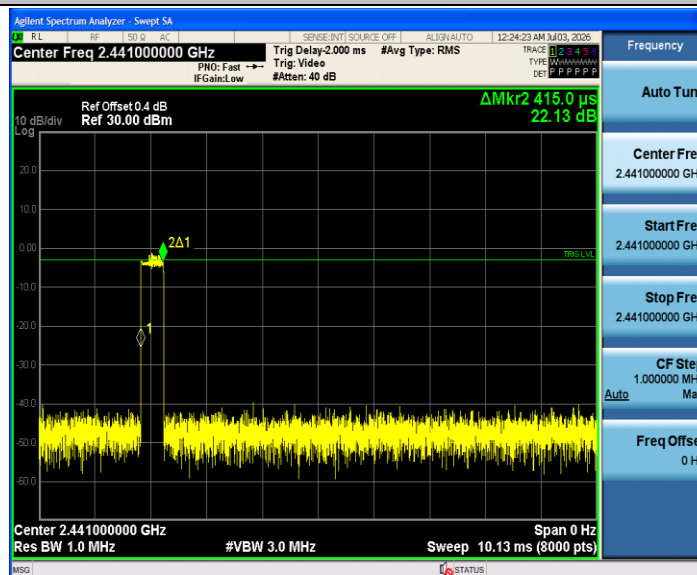


DH5_Ant1_Hop

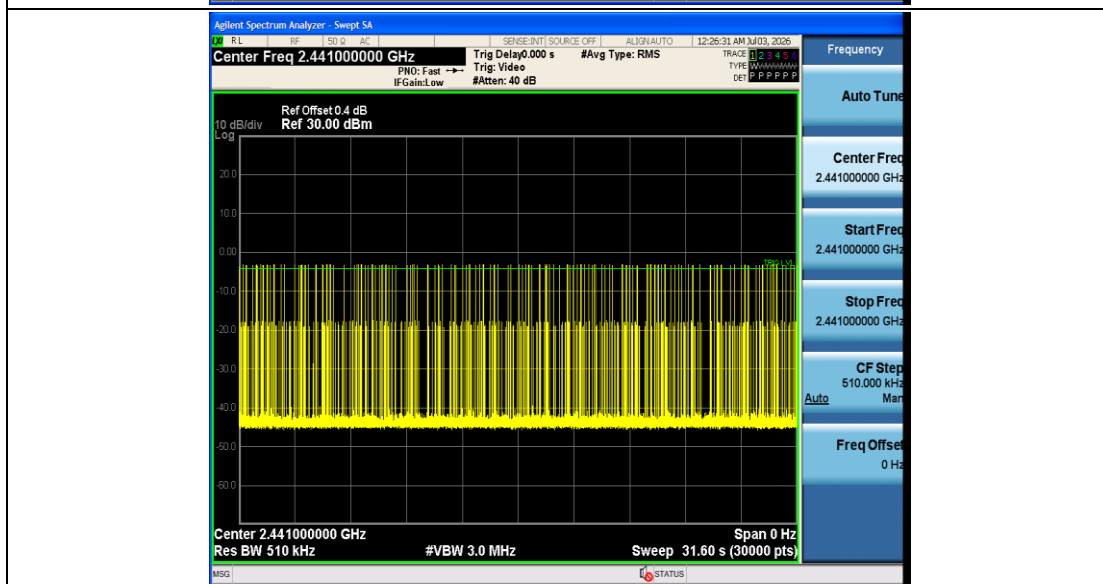
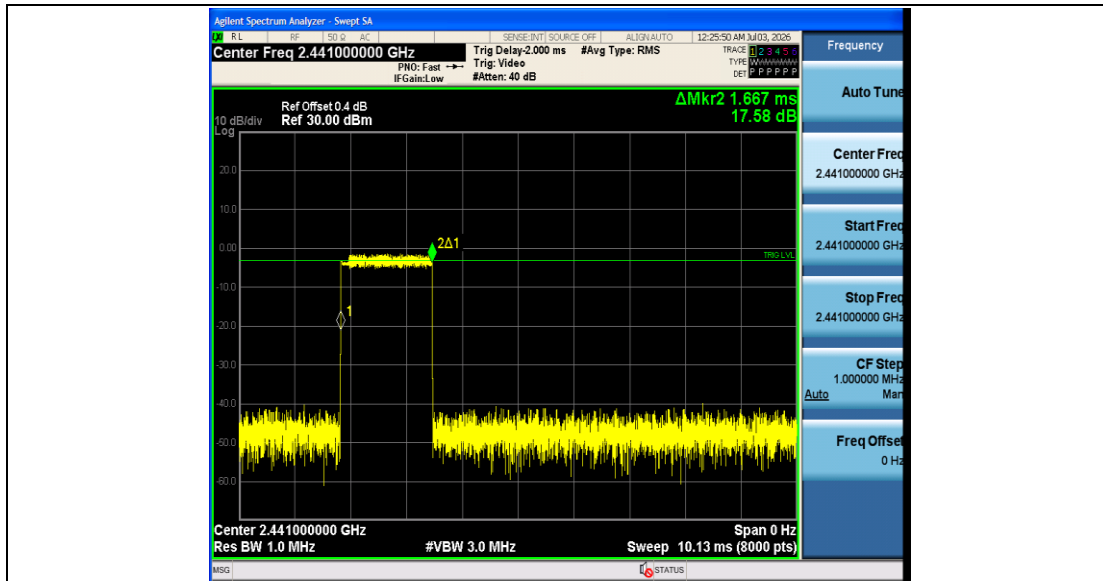




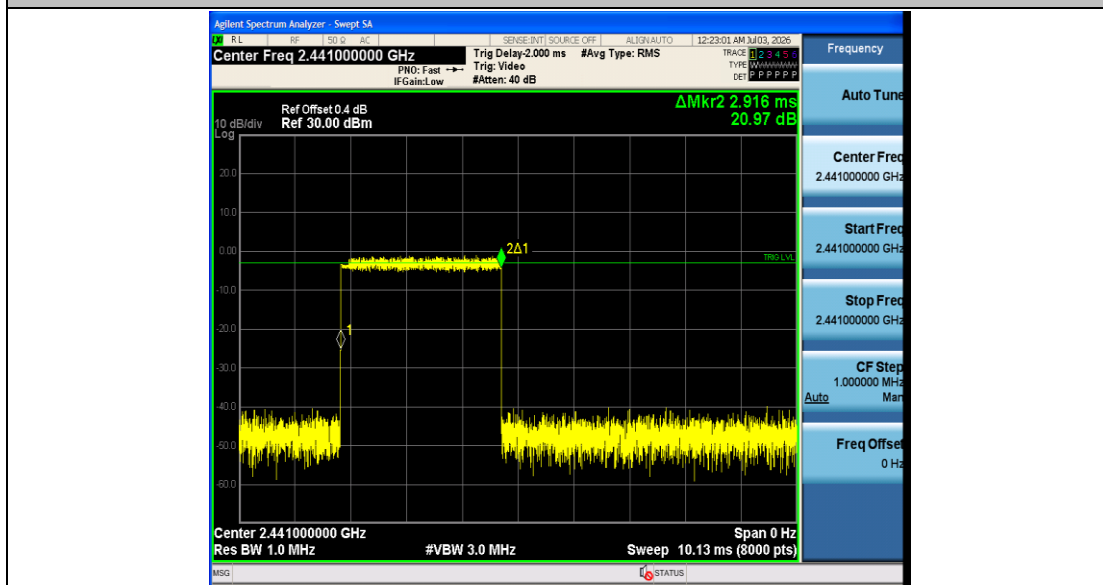
2DH1_Ant1_Hop

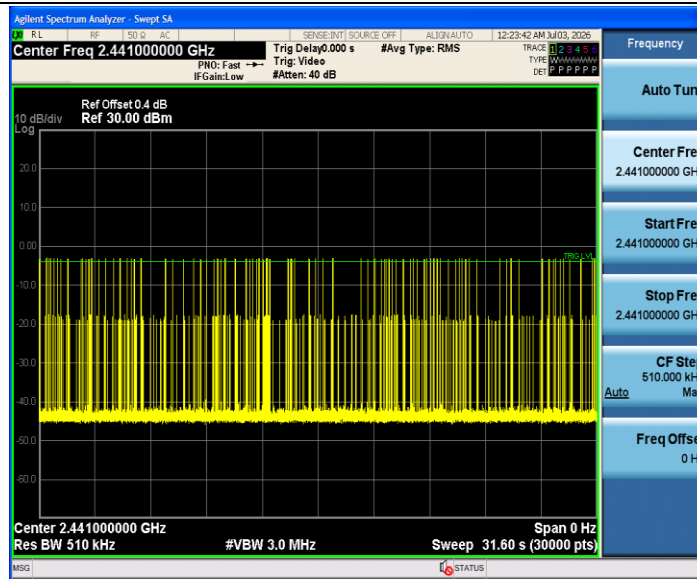


2DH3_Ant1_Hop

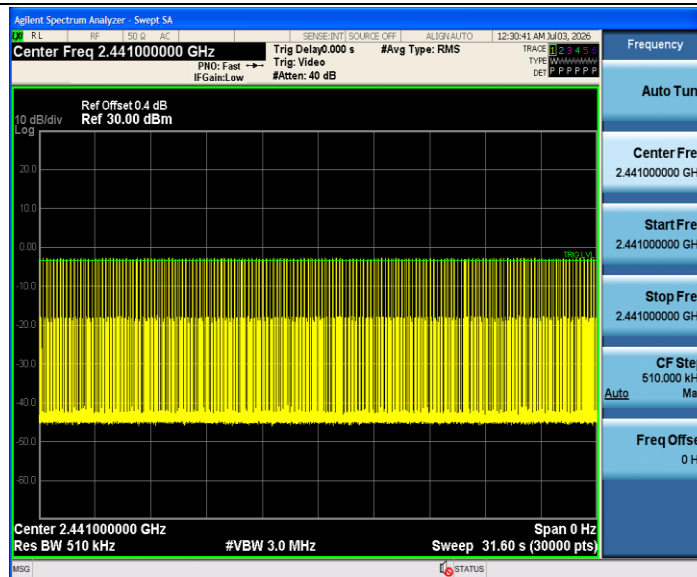
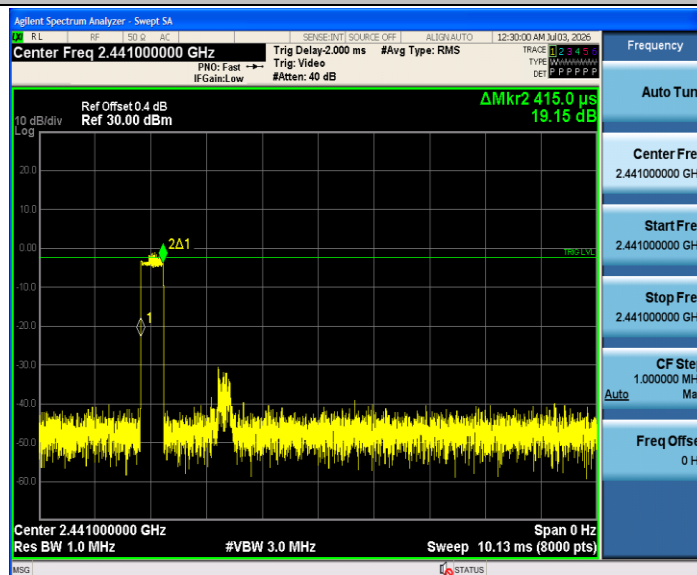


2DH5_Ant1_Hop

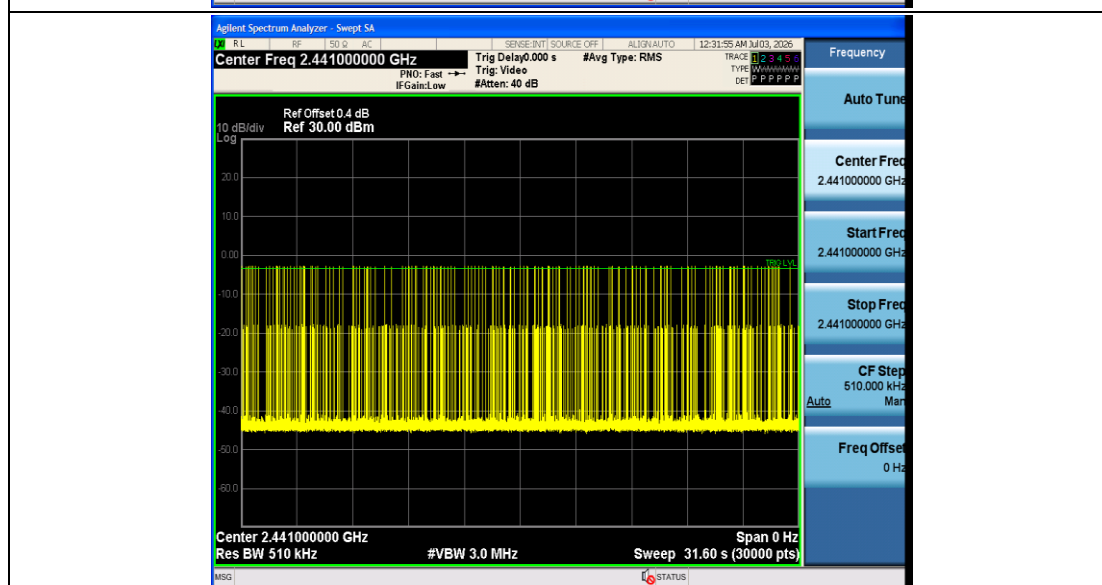
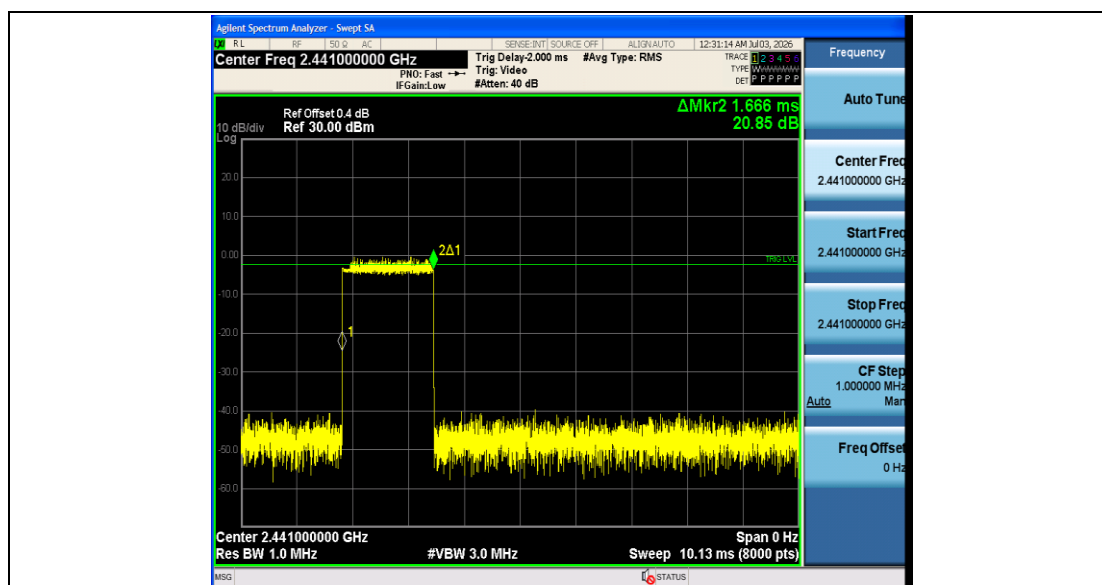




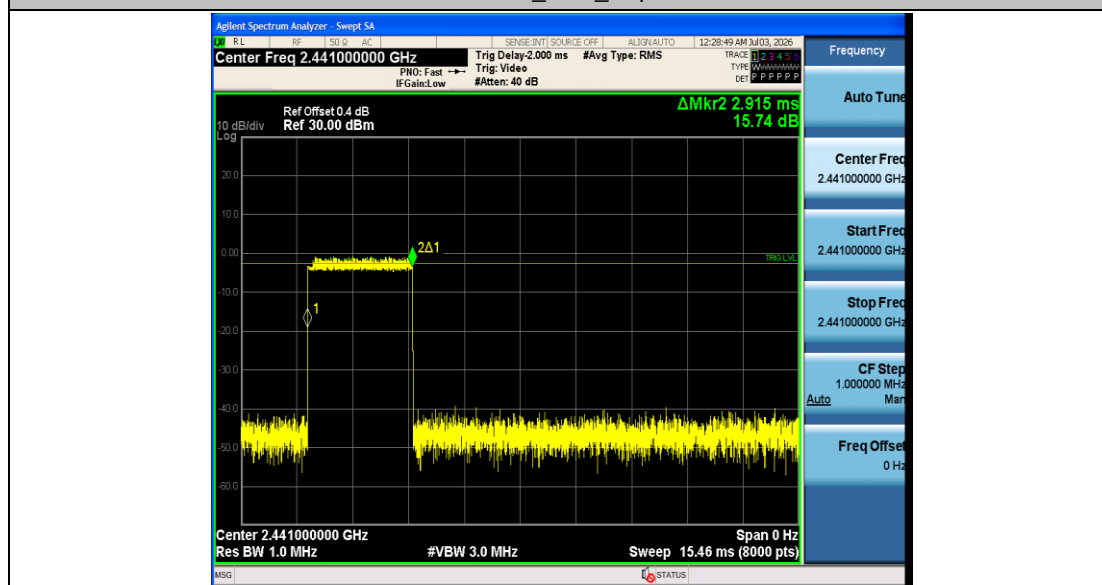
3DH1_Ant1_Hop

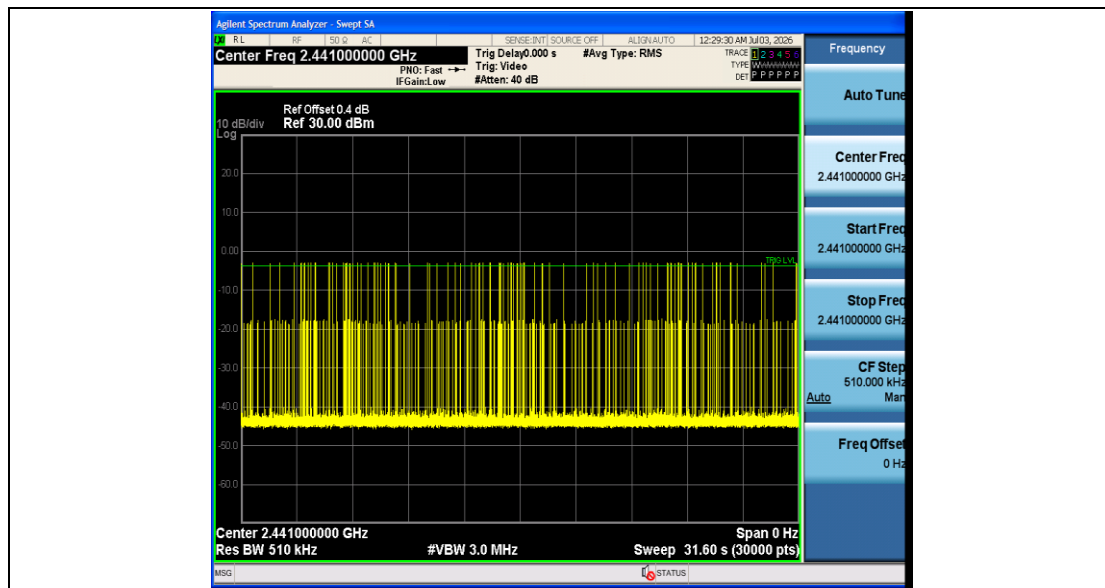


3DH3_Ant1_Hop



3DH5_Ant1_Hop



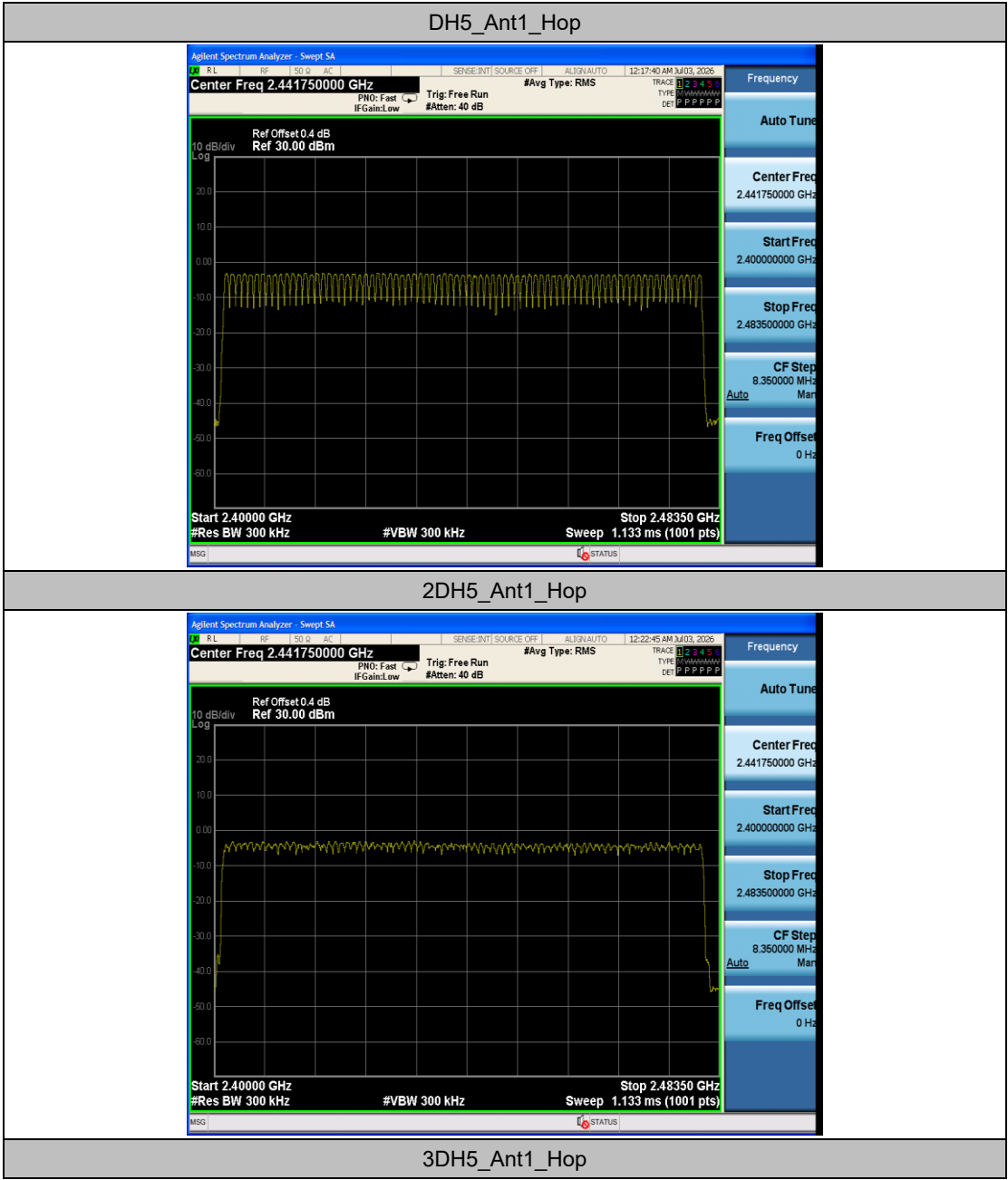


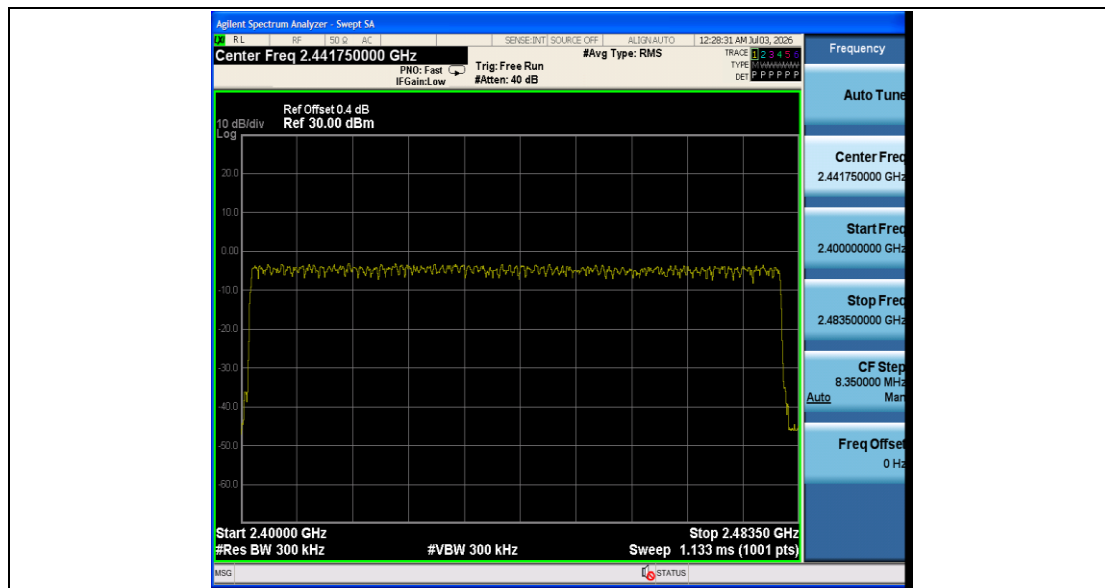
Appendix F: Number of hopping channels

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



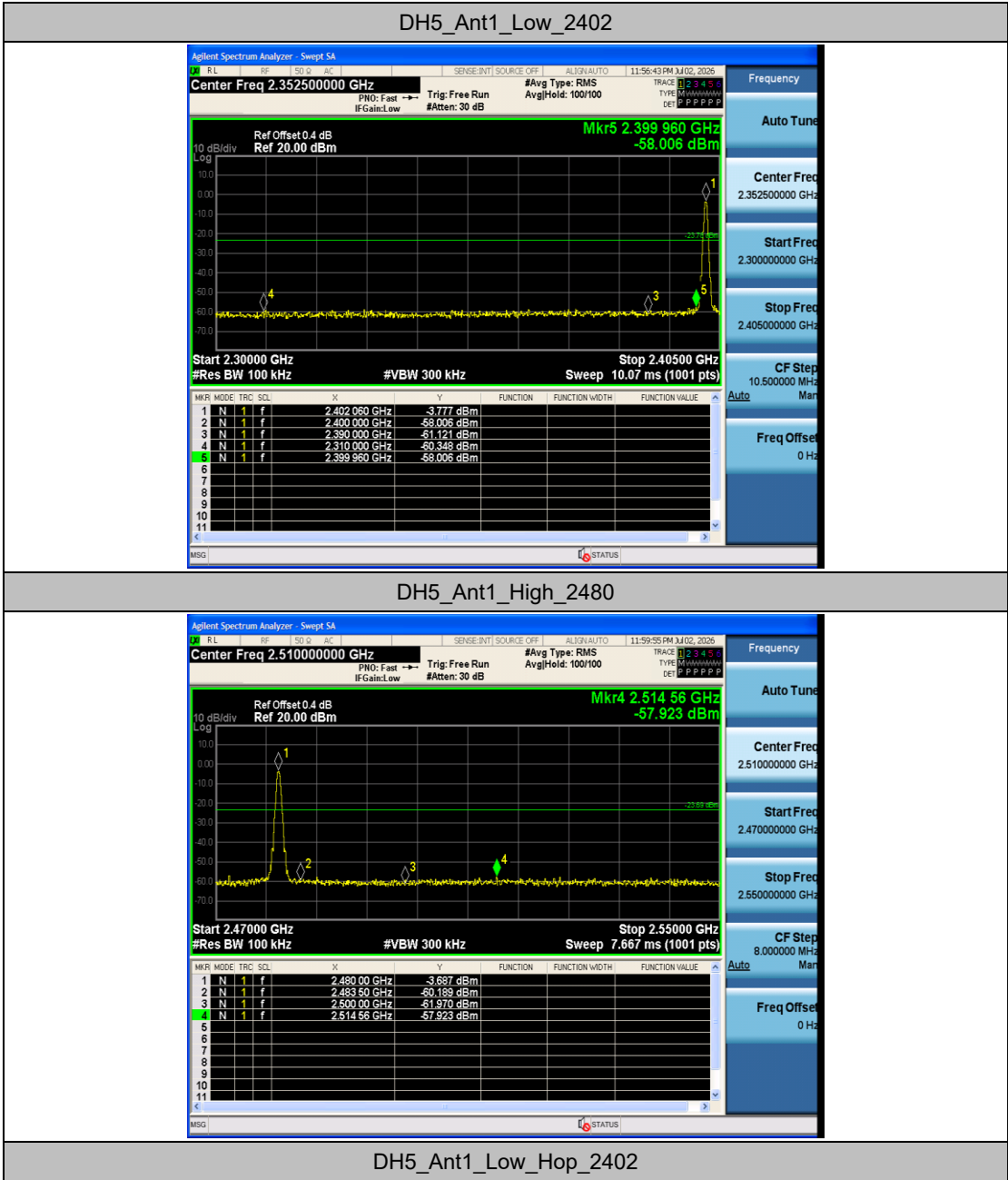


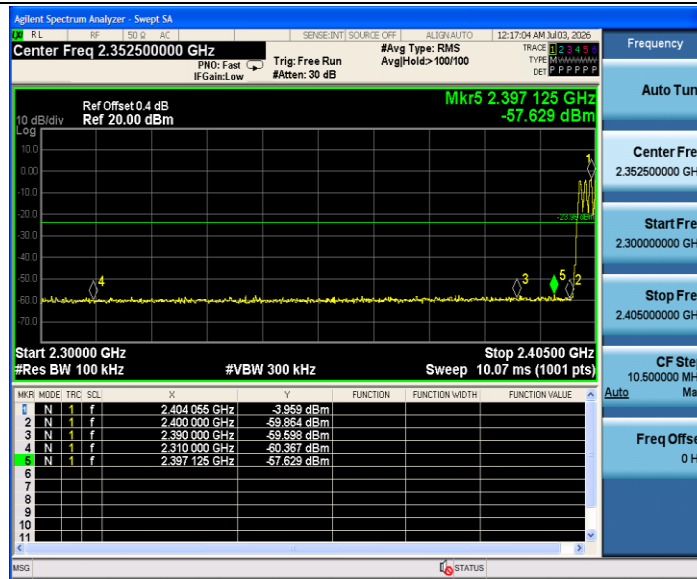
Appendix G: Band edge measurements

Test Result

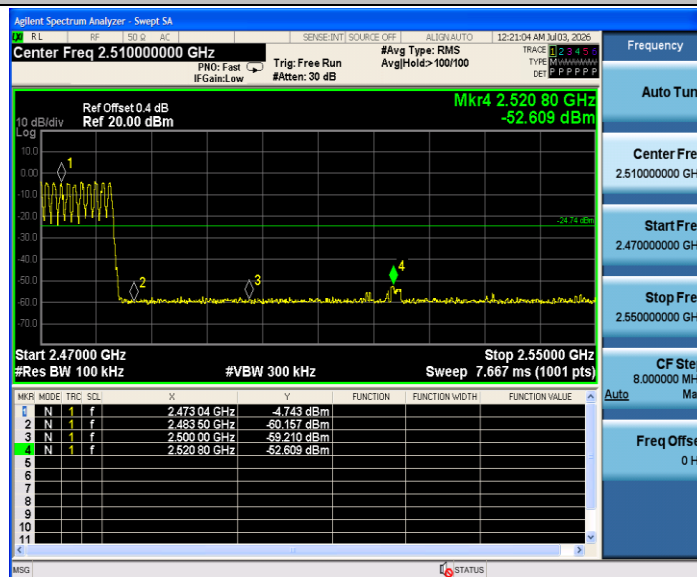
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.78	-58.01	≤ -23.78	PASS
		High	2480	-3.69	-57.92	≤ -23.69	PASS
		Low	Hop_2402	-3.96	-57.63	≤ -23.96	PASS
		High	Hop_2480	-4.74	-52.61	≤ -24.74	PASS
2DH5	Ant1	Low	2402	-4.47	-55.93	≤ -24.47	PASS
		High	2480	-4.75	-54.3	≤ -24.75	PASS
		Low	Hop_2402	-3.34	-57.35	≤ -23.34	PASS
		High	Hop_2480	-3.55	-56.96	≤ -23.55	PASS
3DH5	Ant1	Low	2402	-3.41	-57.32	≤ -23.41	PASS
		High	2480	-3.46	-55.64	≤ -23.46	PASS
		Low	Hop_2402	-5.32	-57.68	≤ -25.32	PASS
		High	Hop_2480	-6.75	-48.16	≤ -26.75	PASS

Test Graphs

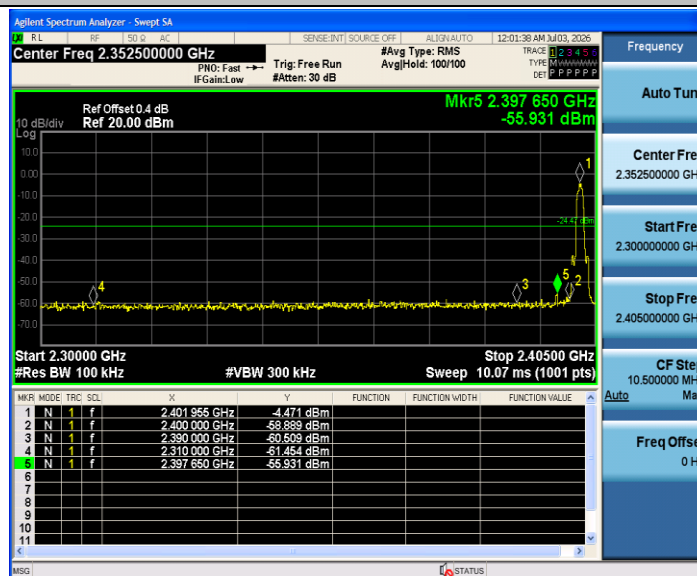




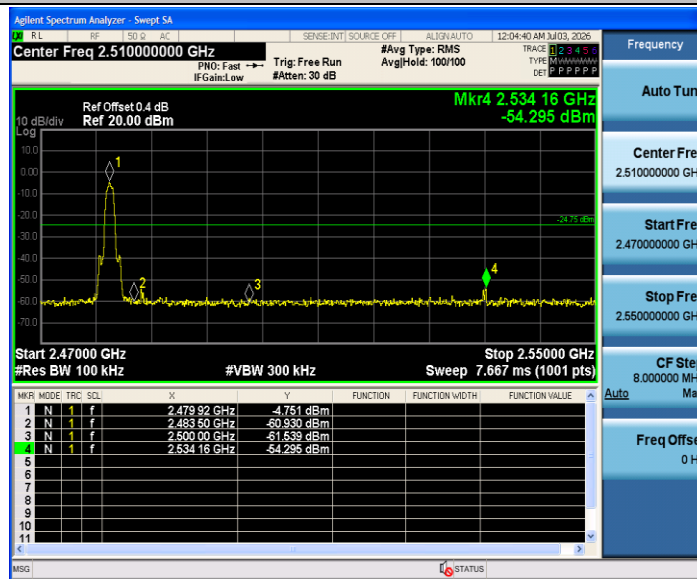
DH5_Ant1_High_Hop_2480



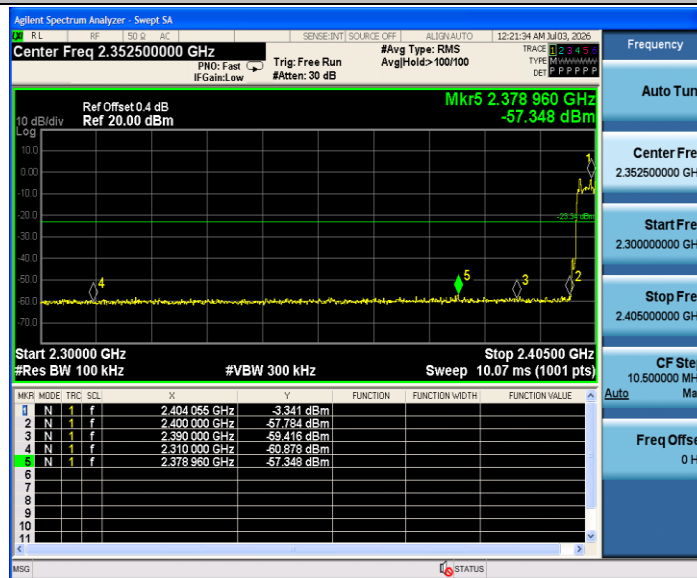
2DH5_Ant1_Low_2402



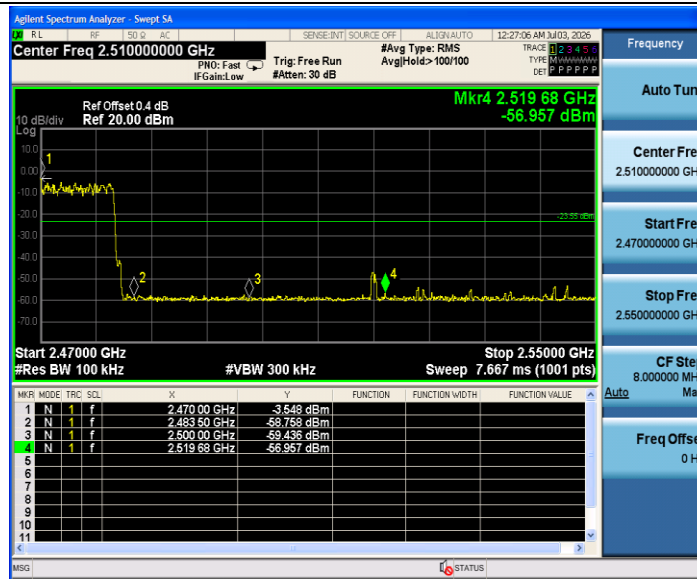
2DH5_Ant1_High_2480



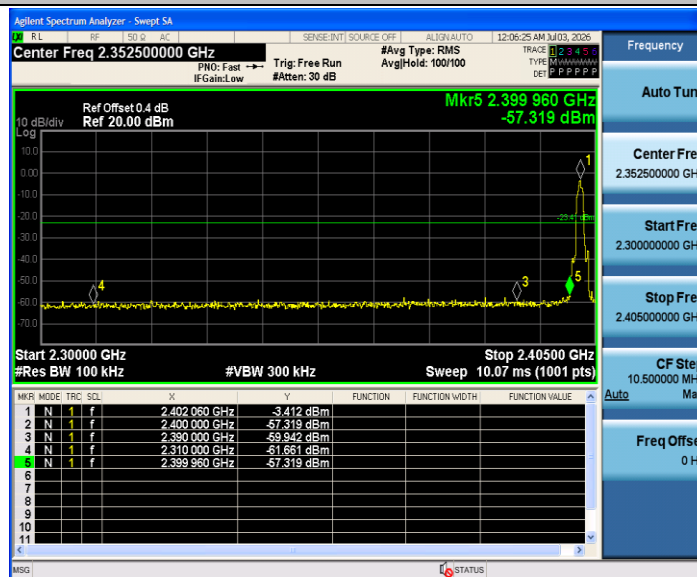
2DH5_Ant1_Low_Hop_2402



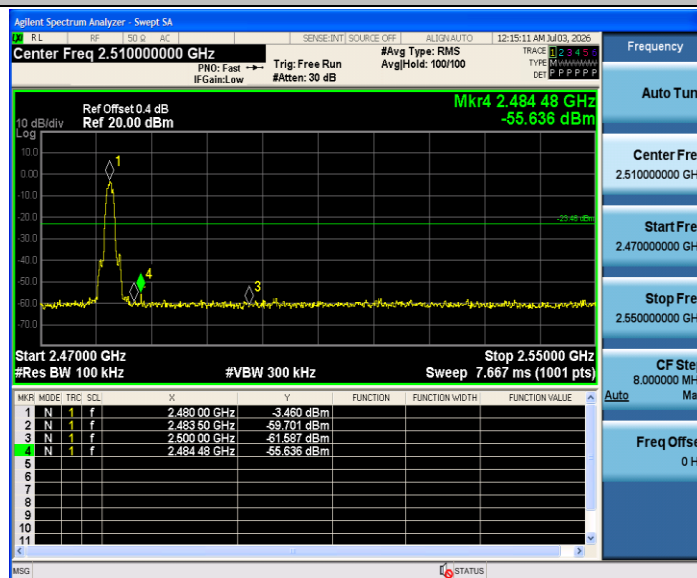
2DH5_Ant1_High_Hop_2480



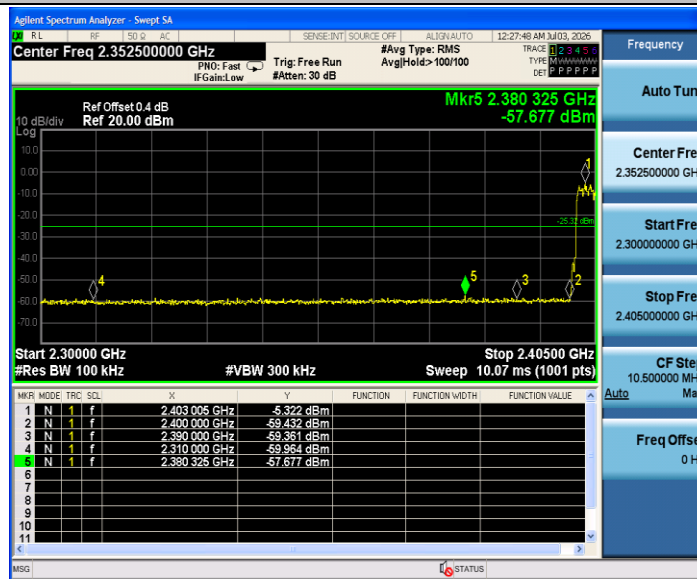
3DH5_Ant1_Low_2402



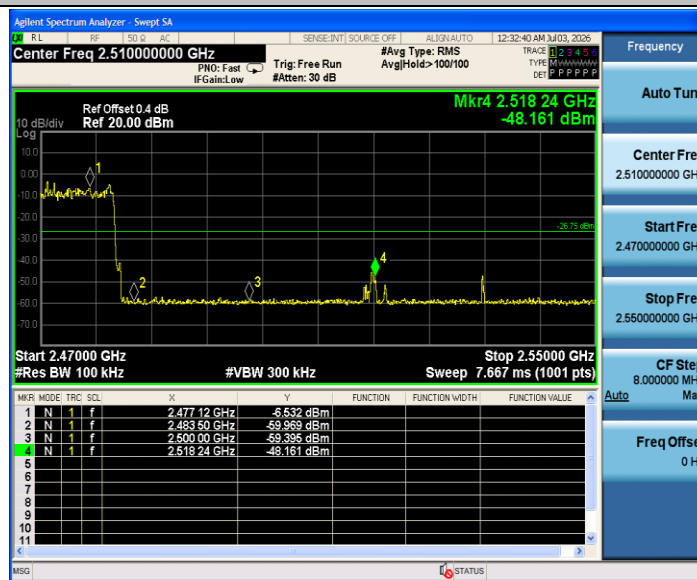
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

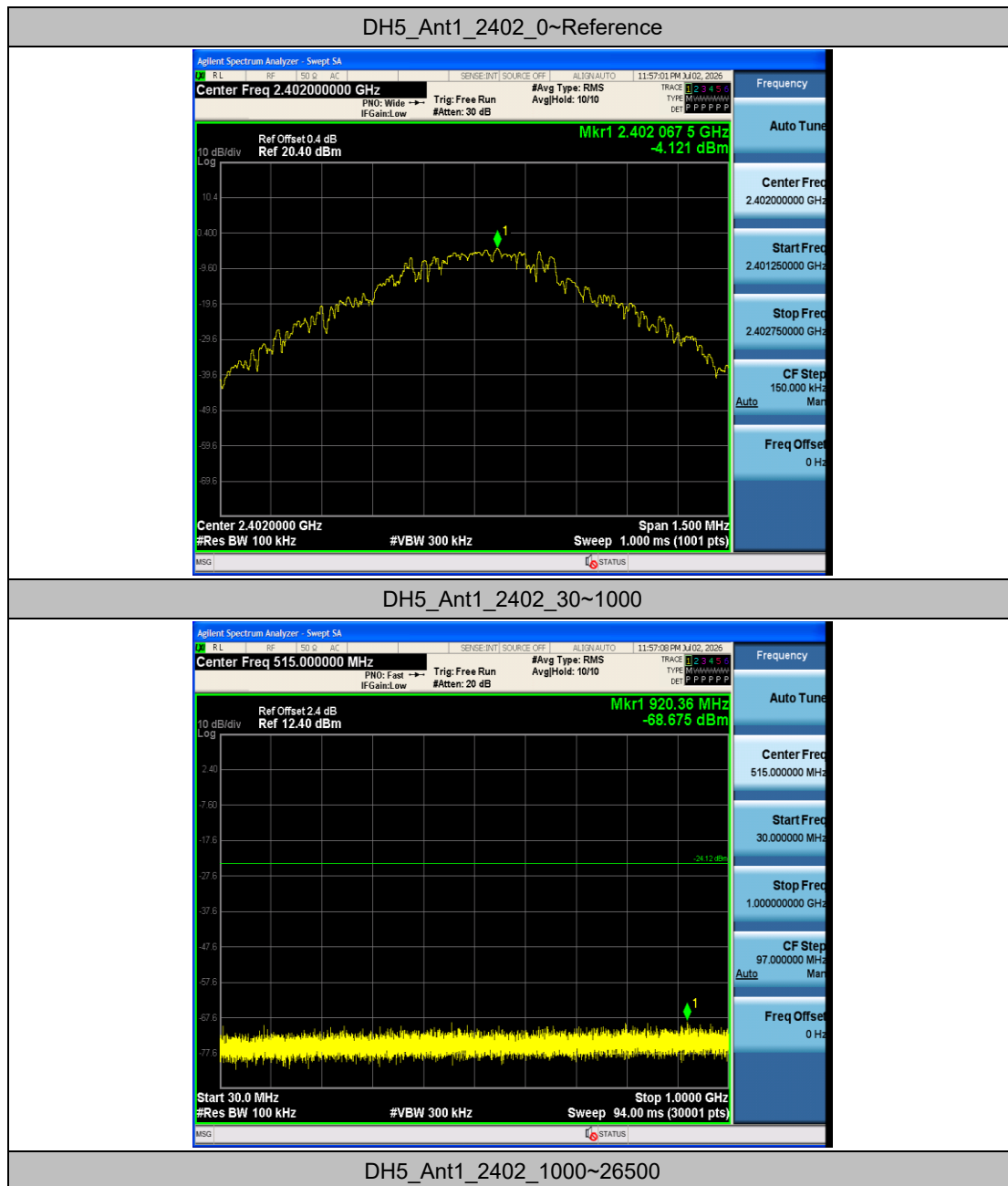


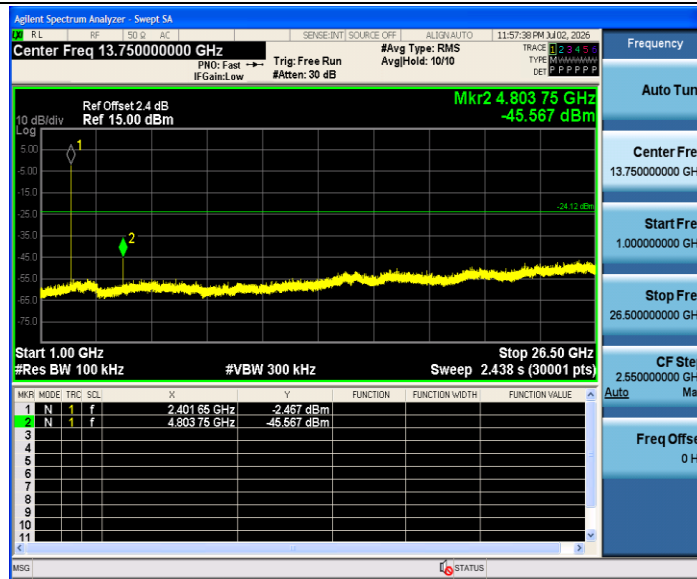
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-68.68	≤-24.12	PASS
			1000~26500	-4.12	-45.57	≤-24.12	PASS
		2441	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-64.14	≤-24.51	PASS
			1000~26500	-4.51	-46.19	≤-24.51	PASS
		2480	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-69.31	≤-24.71	PASS
			1000~26500	-4.71	-46.68	≤-24.71	PASS
2DH5	Ant1	2402	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-69.31	≤-25.87	PASS
			1000~26500	-5.87	-45.26	≤-25.87	PASS
		2441	Reference	-7.15	-7.15	---	PASS
			30~1000	-7.15	-69.17	≤-27.15	PASS
			1000~26500	-7.15	-45.87	≤-27.15	PASS
		2480	Reference	-6.29	-6.29	---	PASS
			30~1000	-6.29	-68.7	≤-26.29	PASS
			1000~26500	-6.29	-46	≤-26.29	PASS
3DH5	Ant1	2402	Reference	-5.96	-5.96	---	PASS
			30~1000	-5.96	-68.76	≤-25.96	PASS
			1000~26500	-5.96	-46.53	≤-25.96	PASS
		2441	Reference	-5.71	-5.71	---	PASS
			30~1000	-5.71	-69.02	≤-25.71	PASS
			1000~26500	-5.71	-46.06	≤-25.71	PASS
		2480	Reference	-6.21	-6.21	---	PASS
			30~1000	-6.21	-69.16	≤-26.21	PASS
			1000~26500	-6.21	-46.94	≤-26.21	PASS

Test Graphs

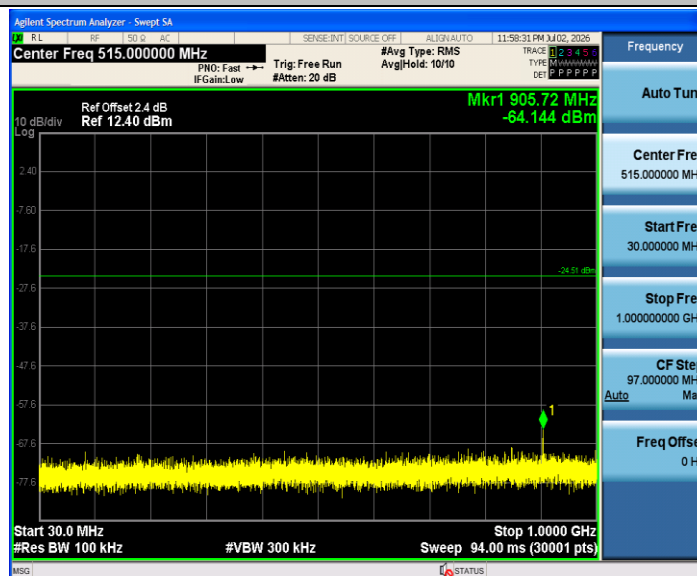




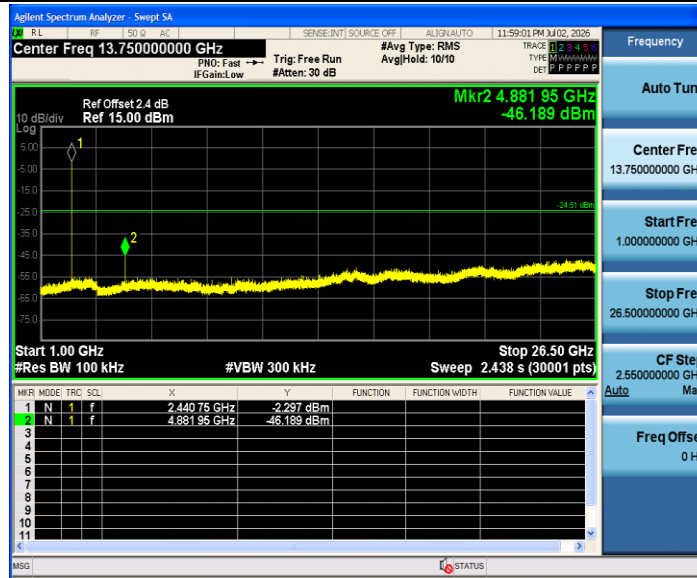
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



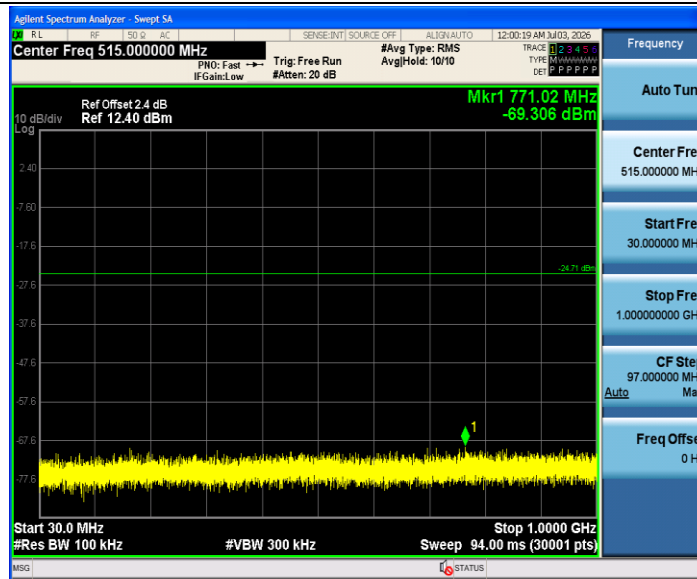
DH5_Ant1_2441_1000~26500



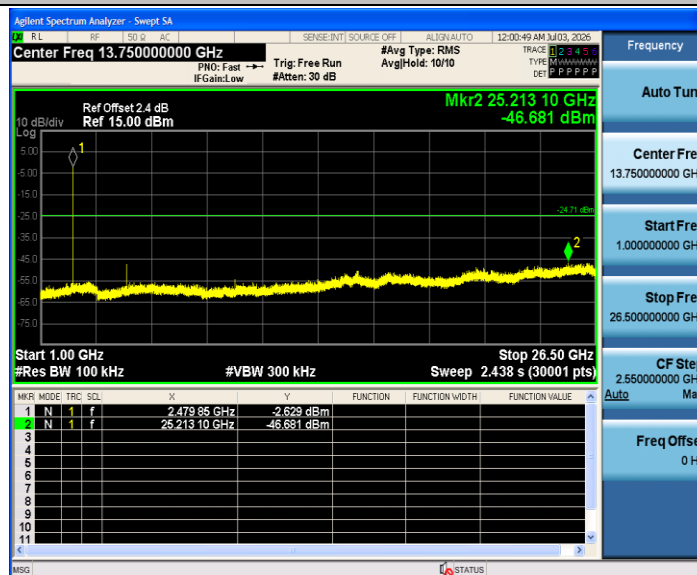
DH5_Ant1_2480_0~Reference



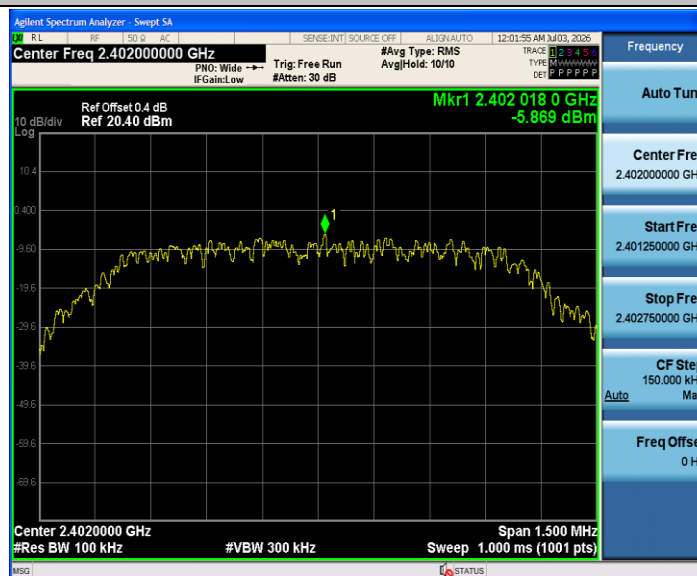
DH5_Ant1_2480_30~1000



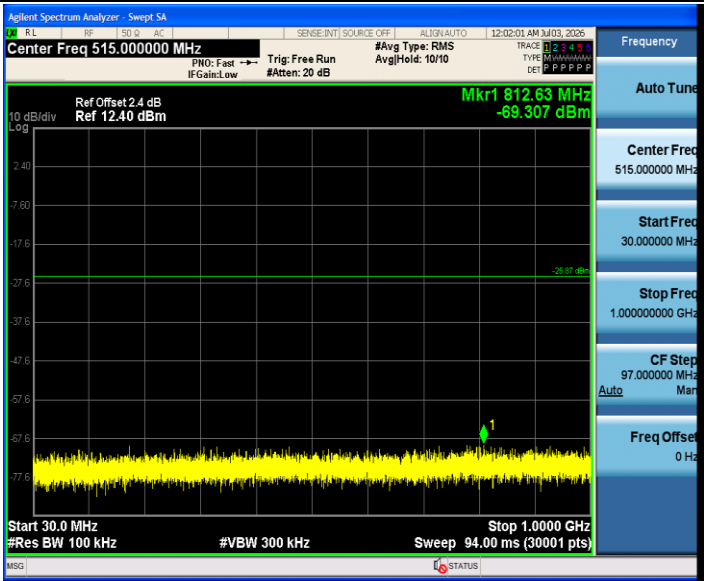
DH5_Ant1_2480_1000~26500



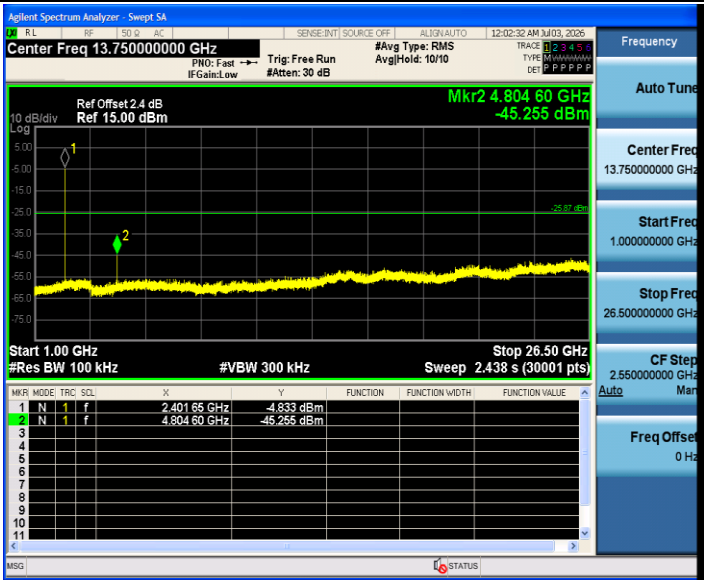
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference