

FCC Appendix RF Test Data for BT

FCC ID : 2BSWZ-BV-4314US

Company : Shanghai Betvis Information Technology Co., Ltd.

EUT : DIGITAL LCD DISPLAY

Model Number : BV-4314US

Report No. : CTA25101001301

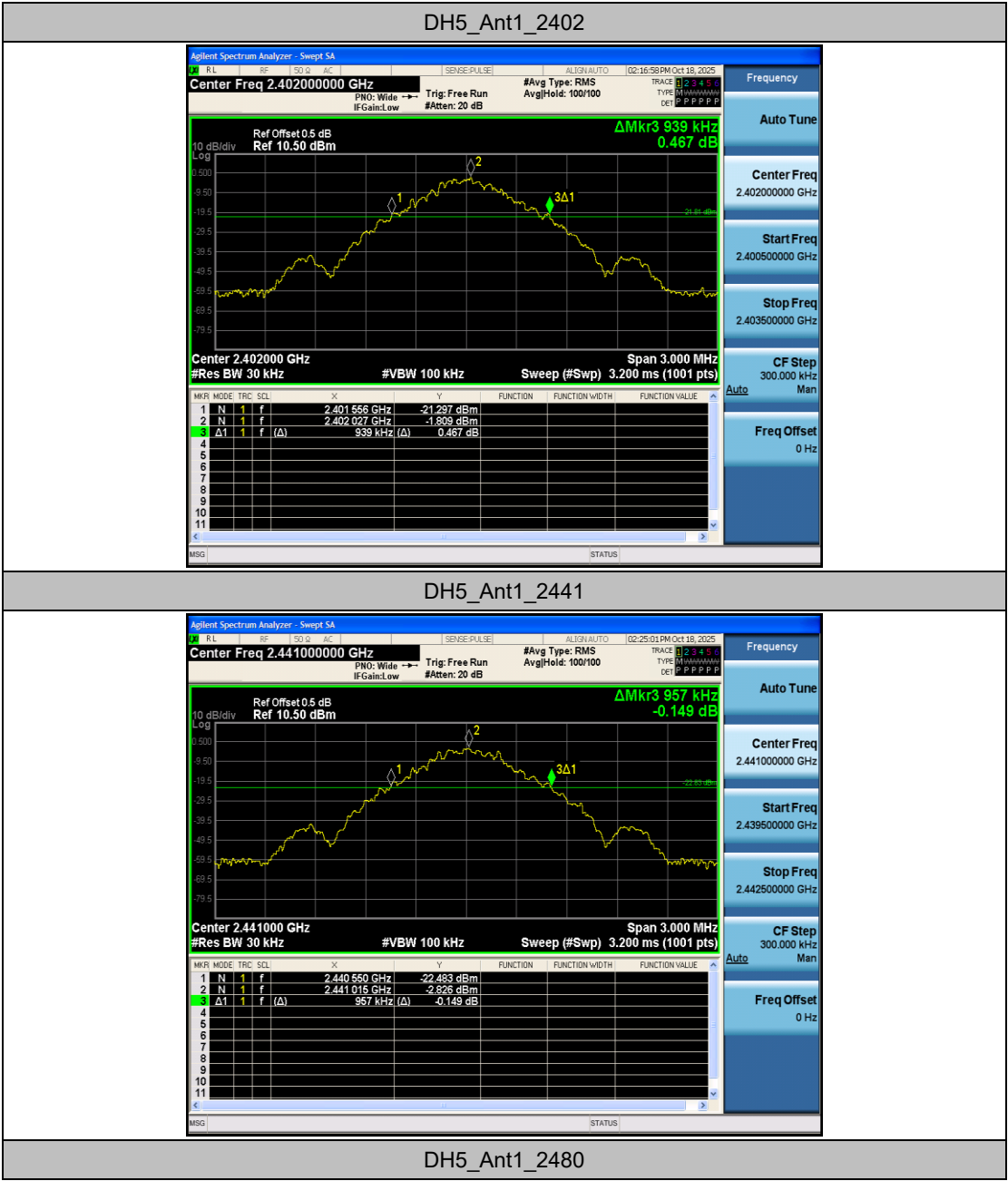
Reviewed By : Eric Wang

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	2401.556	2402.495	---	---
		2441	0.957	2440.550	2441.507	---	---
		2480	0.951	2479.553	2480.504	---	---
2DH5	Ant1	2402	1.326	2401.349	2402.675	---	---
		2441	1.323	2440.358	2441.681	---	---
		2480	1.347	2479.340	2480.687	---	---
3DH5	Ant1	2402	1.320	2401.349	2402.669	---	---
		2441	1.320	2440.355	2441.675	---	---
		2480	1.260	2479.403	2480.663	---	---

Test Graphs





2DHS_Ant1_2402



2DHS_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

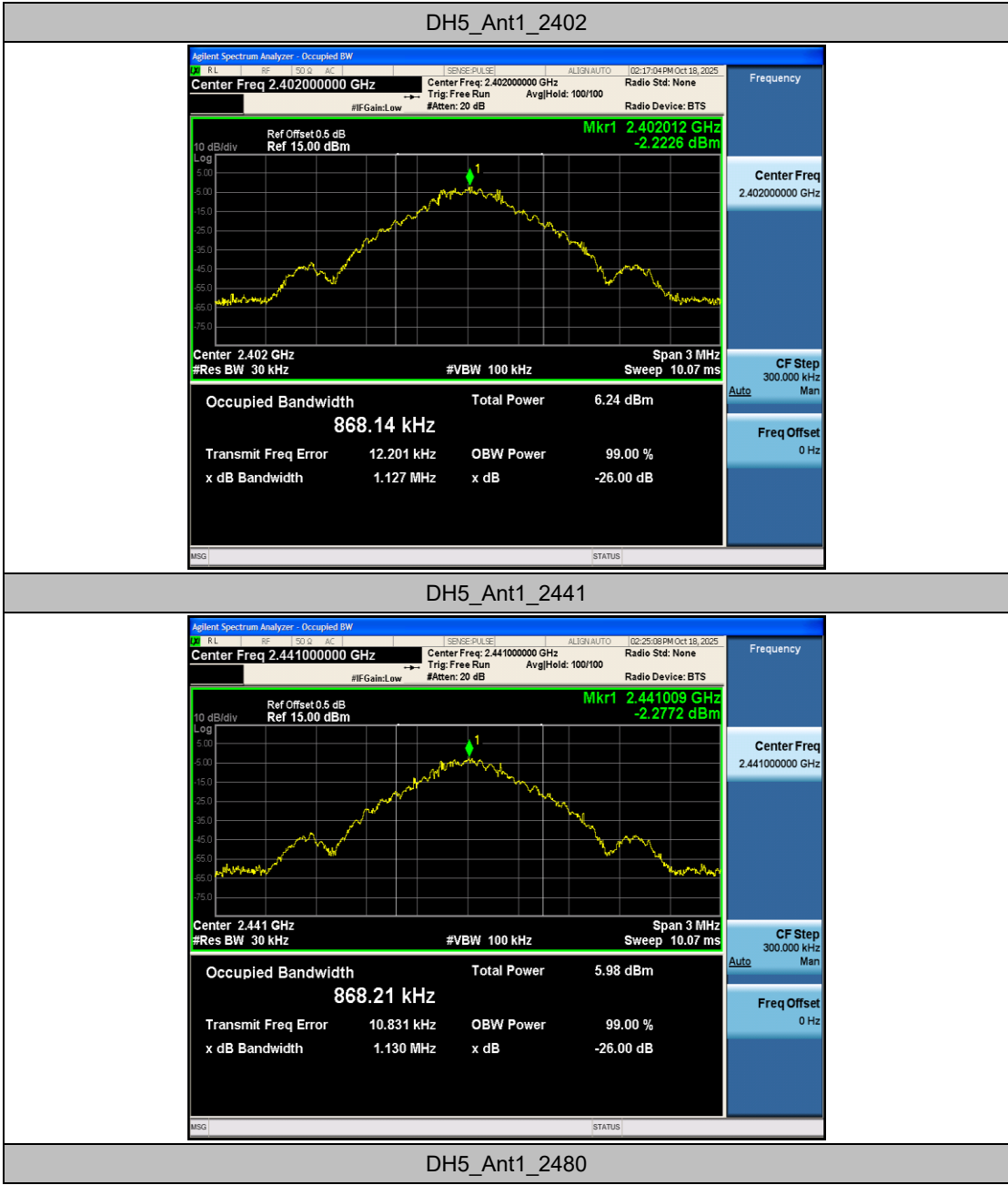


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86814	2401.5781	2402.4463	---	---
		2441	0.86821	2440.5767	2441.4449	---	---
		2480	0.86861	2479.5805	2480.4492	---	---
2DH5	Ant1	2402	1.1898	2401.4196	2402.6094	---	---
		2441	1.1889	2440.4208	2441.6097	---	---
		2480	1.1881	2479.4218	2480.6099	---	---
3DH5	Ant1	2402	1.1886	2401.4209	2402.6095	---	---
		2441	1.1862	2440.4206	2441.6068	---	---
		2480	1.1894	2479.4207	2480.6101	---	---

Test Graphs

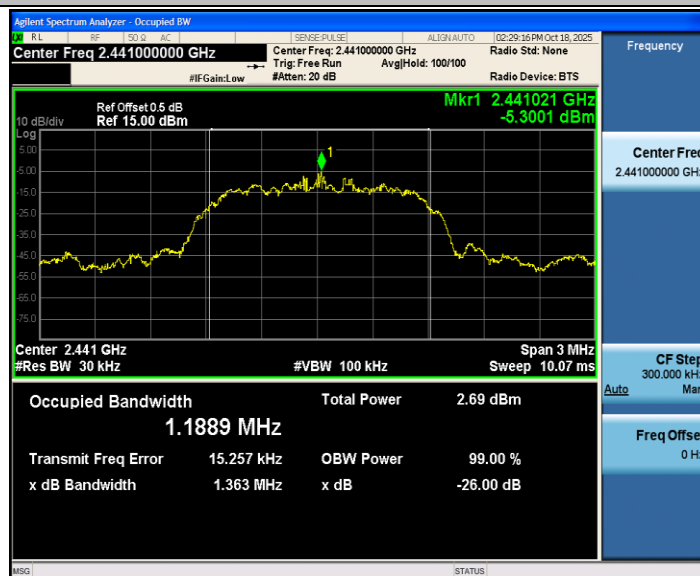




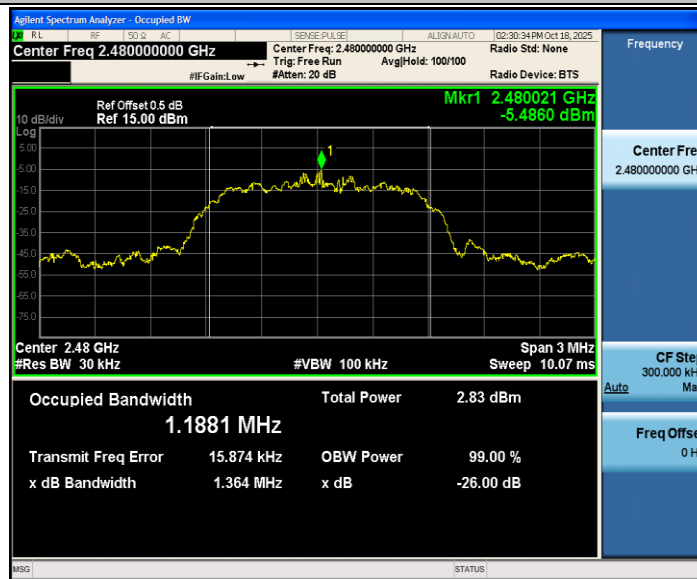
2DH5_Ant1_2402



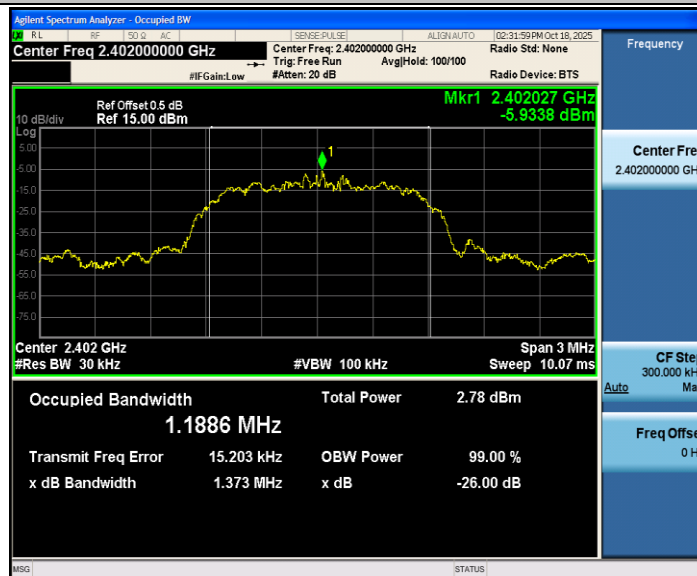
2DH5_Ant1_2441



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	0.21	≤20.97	PASS
		2441	0.15	≤20.97	PASS
		2480	0.15	≤20.97	PASS
2DH5	Ant1	2402	-0.64	≤20.97	PASS
		2441	-0.71	≤20.97	PASS
		2480	-0.71	≤20.97	PASS
3DH5	Ant1	2402	-0.62	≤20.97	PASS
		2441	-0.68	≤20.97	PASS
		2480	-0.67	≤20.97	PASS

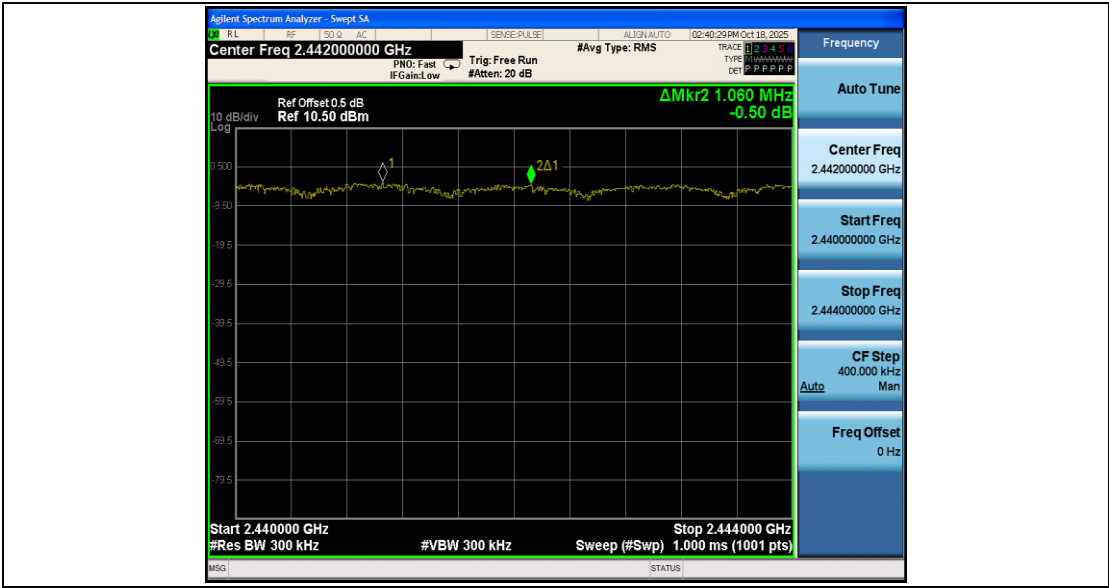
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.957	PASS
2DH5	Ant1	Hop	1.064	≥ 0.898	PASS
3DH5	Ant1	Hop	1.06	≥ 0.880	PASS

Test Graphs



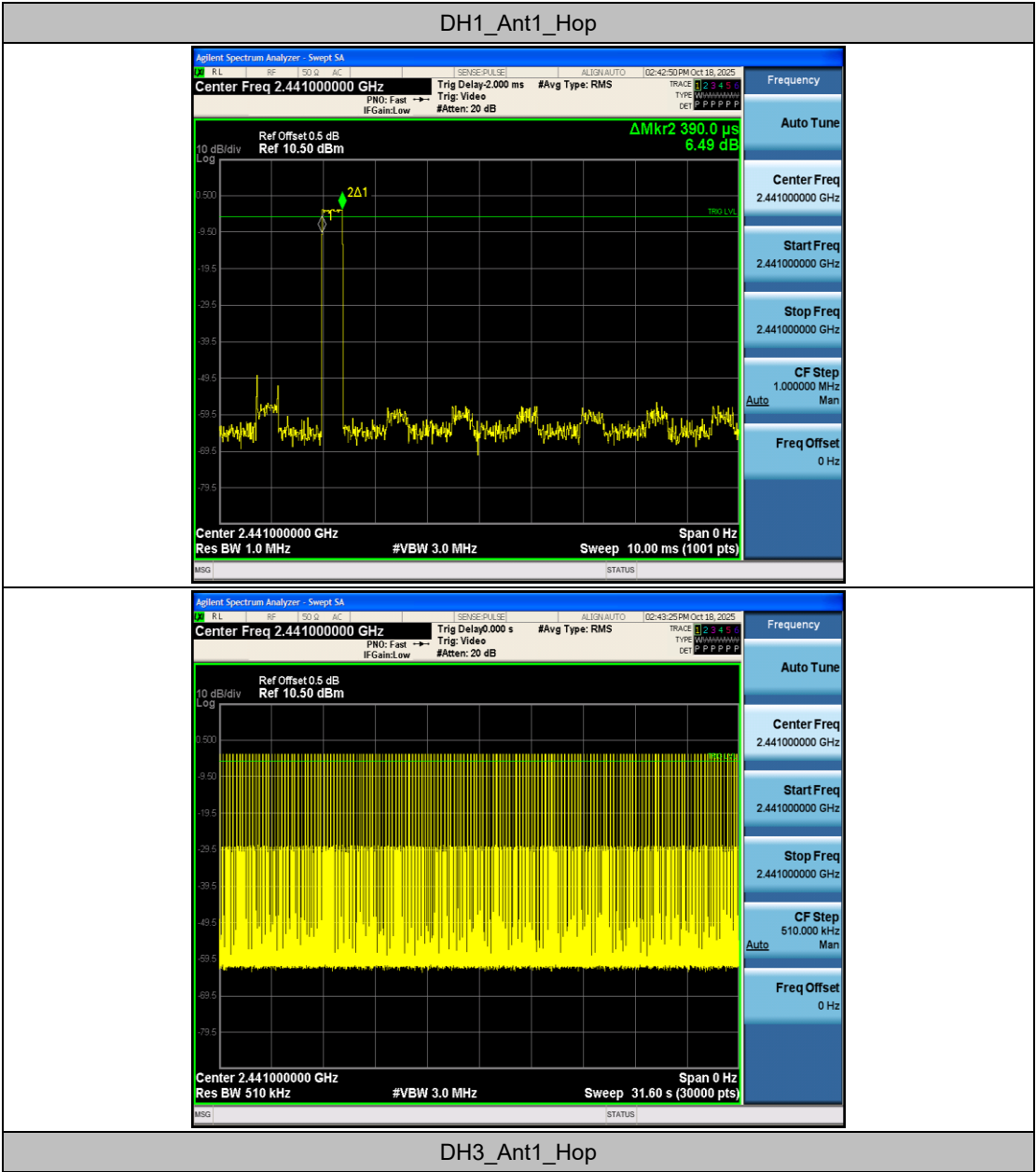


Appendix E: Time of occupancy

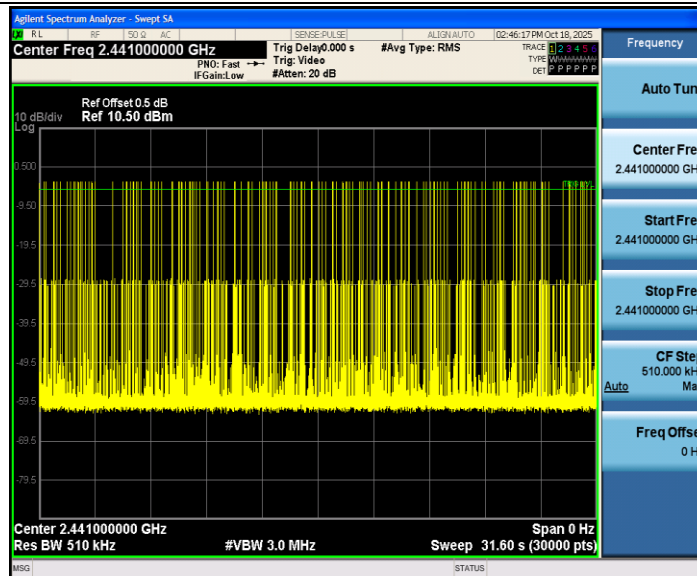
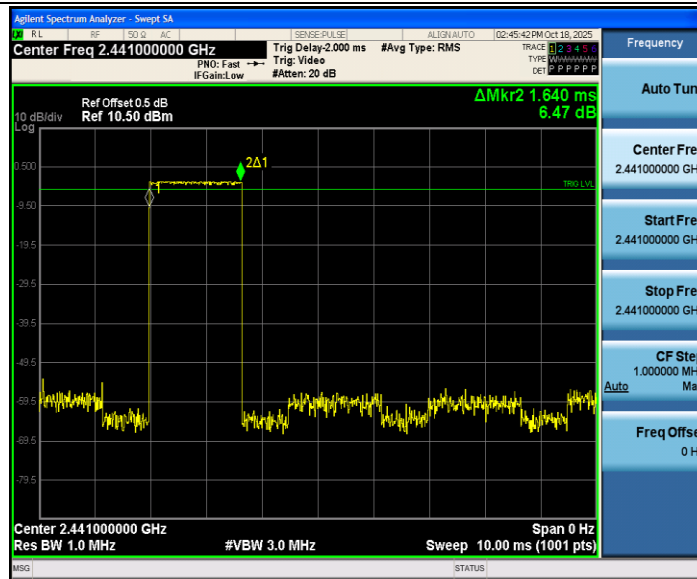
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.640	153	0.251	≤0.4	PASS
DH5	Ant1	Hop	2.900	118	0.342	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.640	158	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.900	107	0.31	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	168	0.276	≤0.4	PASS
3DH5	Ant1	Hop	2.900	110	0.319	≤0.4	PASS

Test Graphs

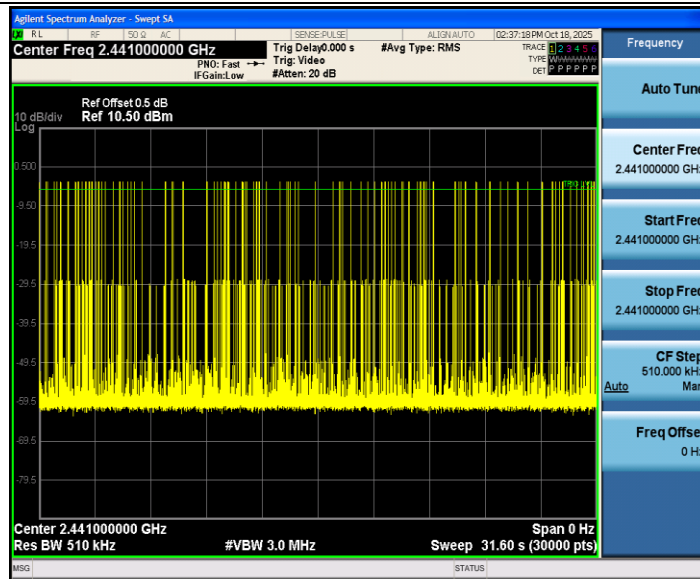


DH3_Ant1_Hop

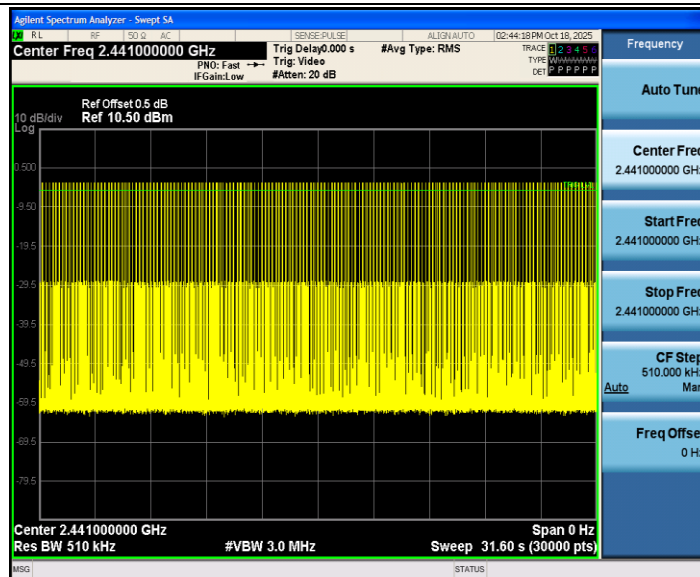
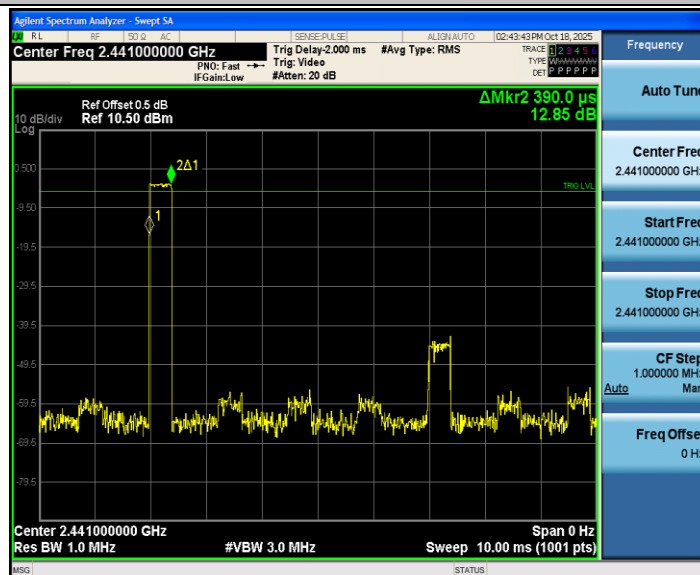


DH5_Ant1_Hop

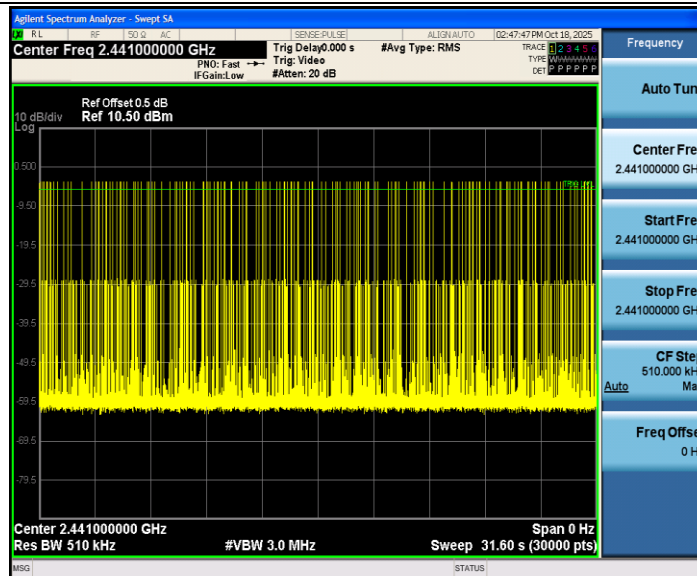




2DH1_Ant1_Hop

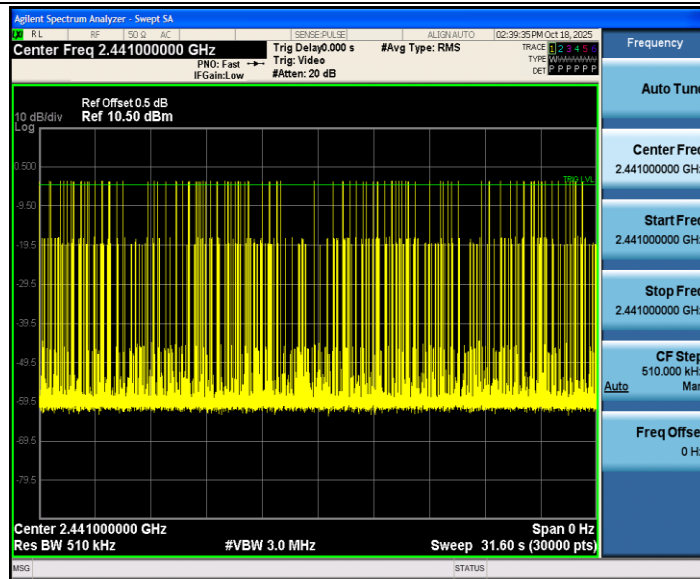


2DH3_Ant1_Hop

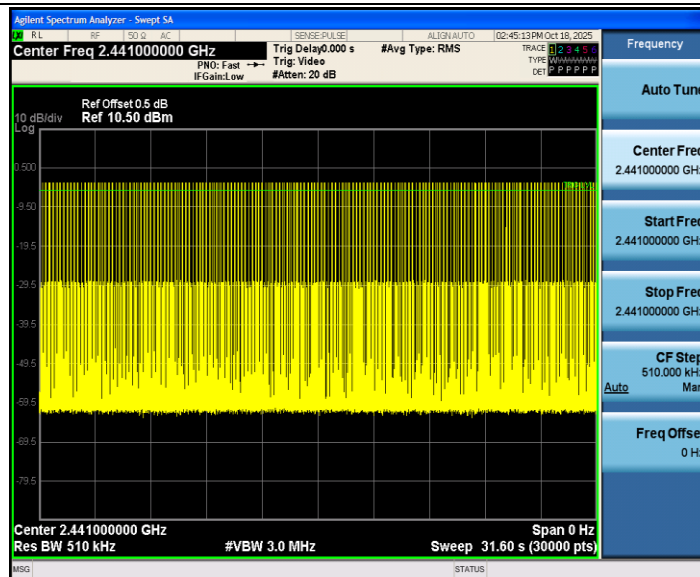
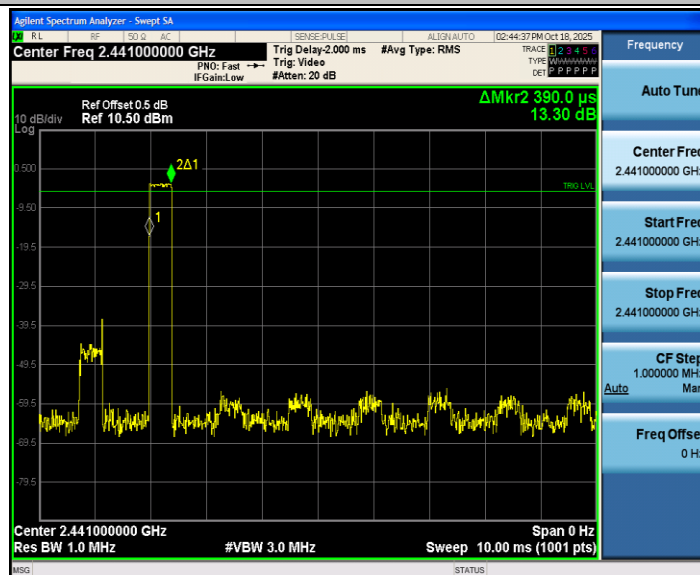


2DH5_Ant1_Hop

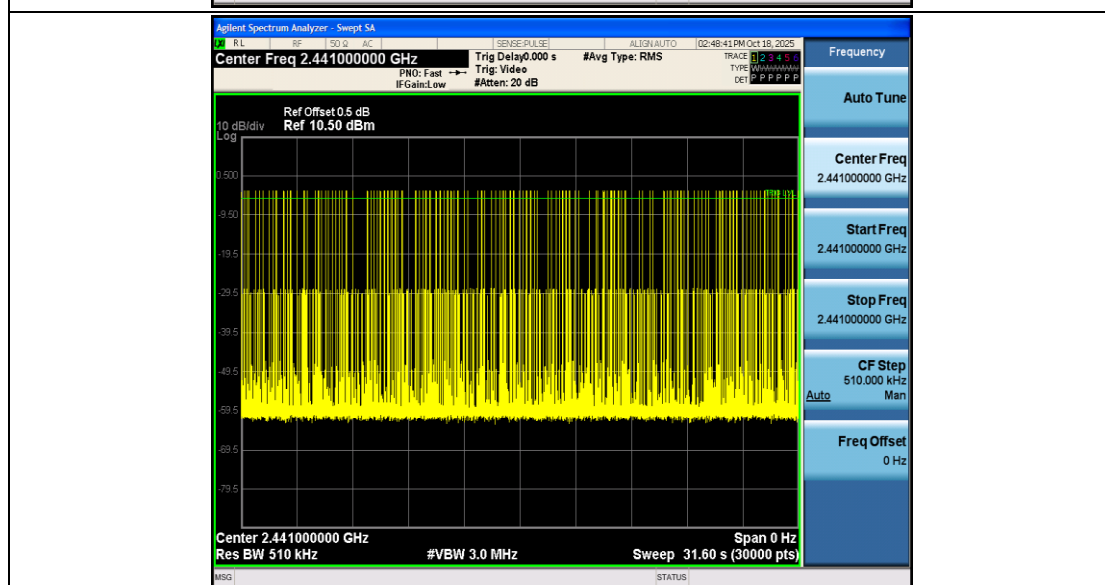




3DH1_Ant1_Hop

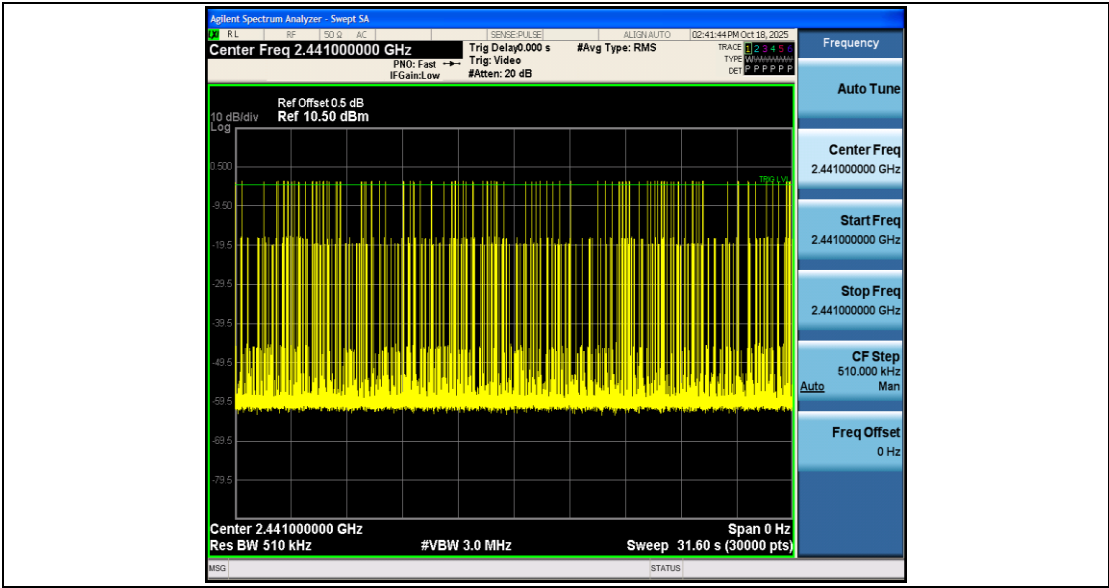


3DH3_Ant1_Hop



3DH5_Ant1_Hop





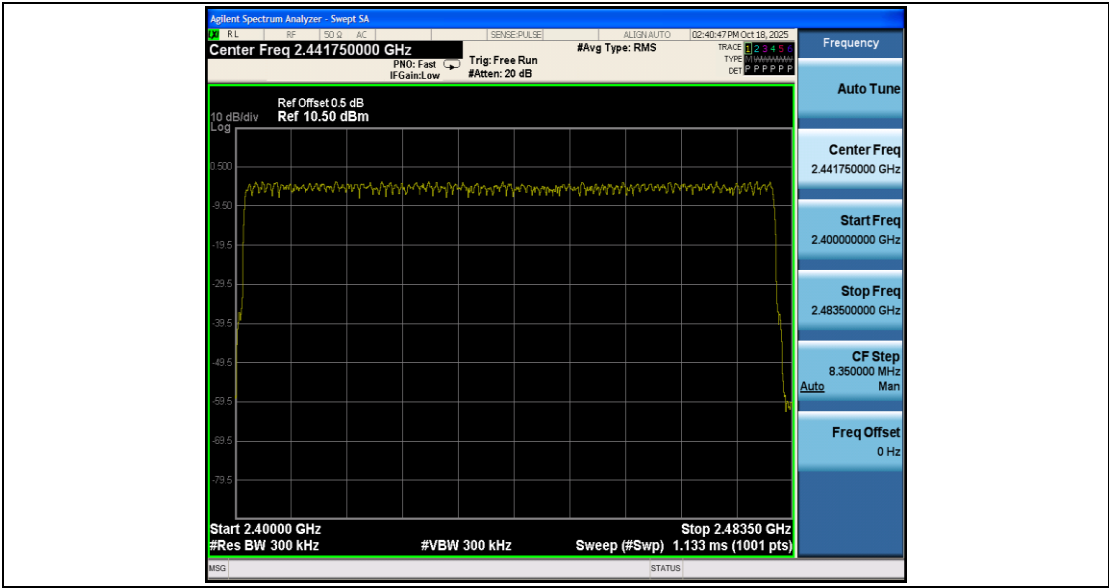
Appendix F: Number of hopping channels

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



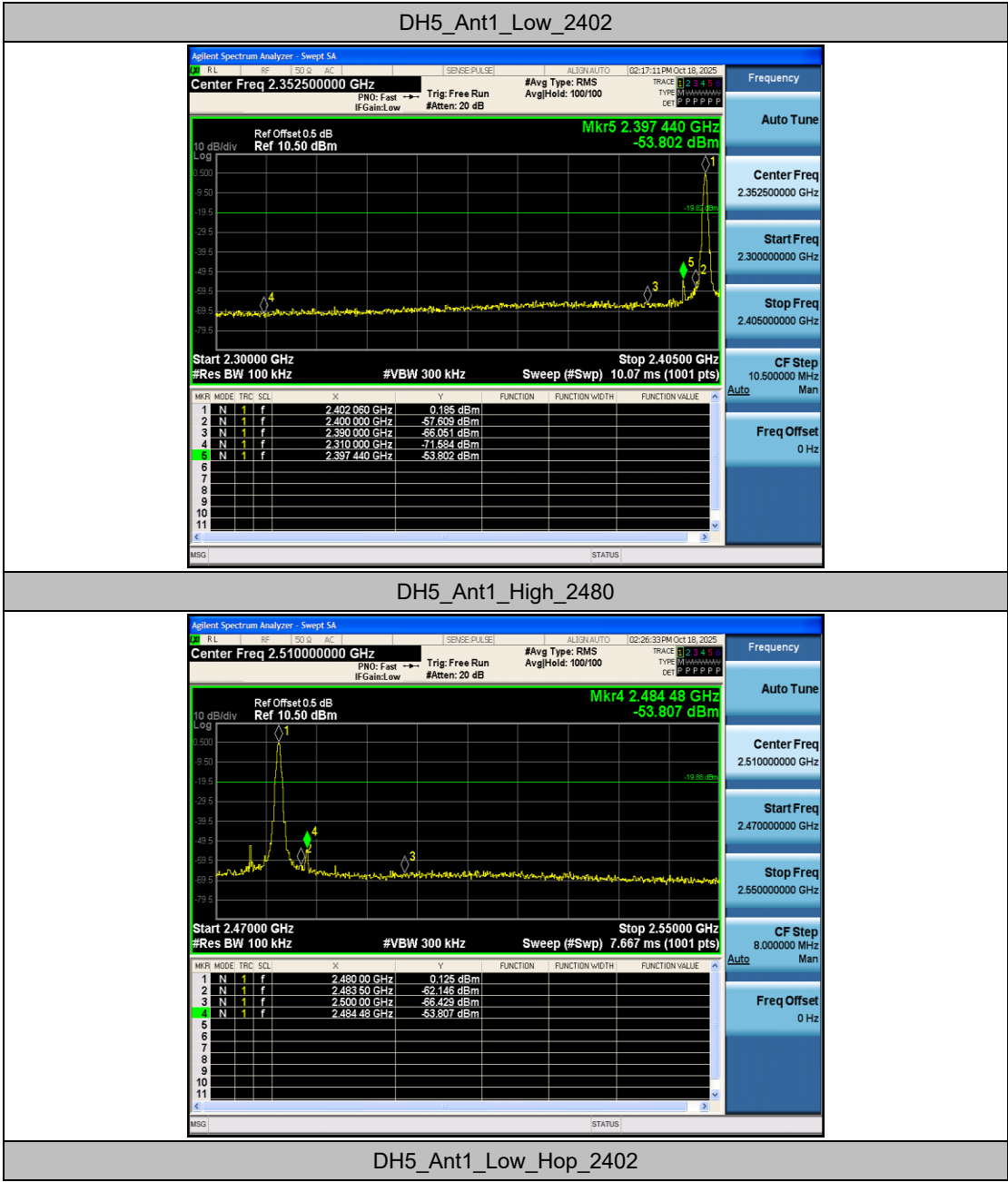


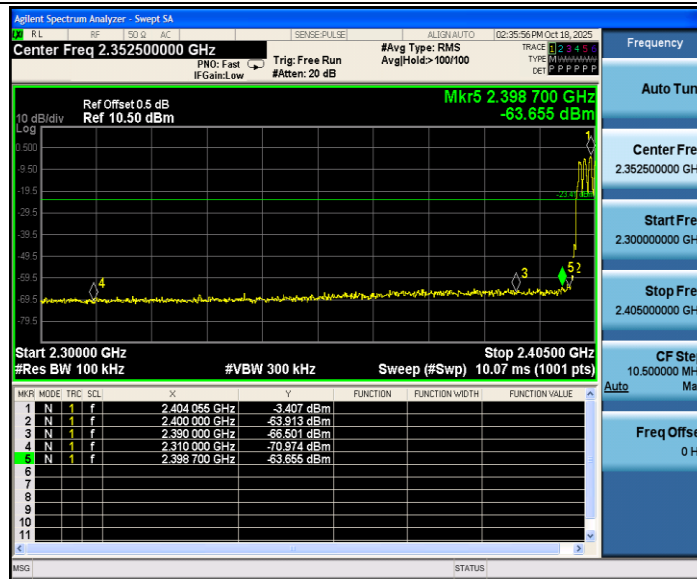
Appendix G: Band edge measurements

Test Result

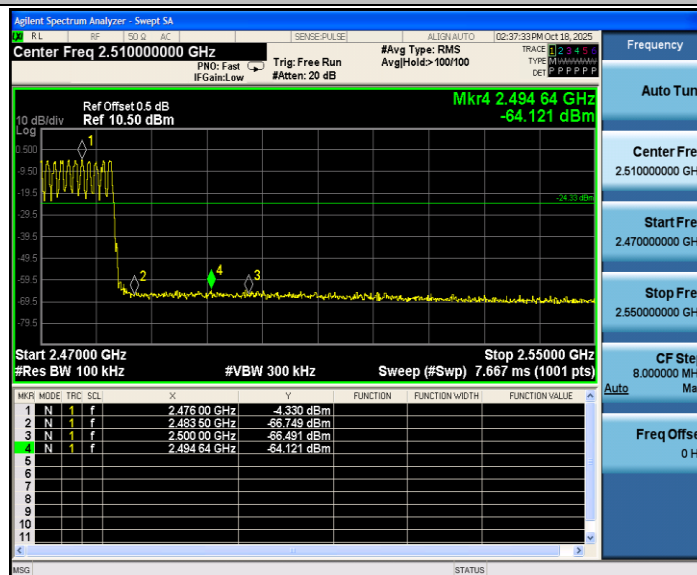
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.19	-53.8	≤-19.82	PASS
		High	2480	0.13	-53.81	≤-19.88	PASS
		Low	Hop_2402	-3.41	-63.66	≤-23.41	PASS
		High	Hop_2480	-4.33	-64.12	≤-24.33	PASS
2DH5	Ant1	Low	2402	-3.97	-58.82	≤-23.97	PASS
		High	2480	-4.64	-63.8	≤-24.64	PASS
		Low	Hop_2402	-4.70	-62.34	≤-24.7	PASS
		High	Hop_2480	-3.51	-63.53	≤-23.51	PASS
3DH5	Ant1	Low	2402	-4.20	-59.76	≤-24.2	PASS
		High	2480	-3.46	-63.44	≤-23.46	PASS
		Low	Hop_2402	-6.17	-62.56	≤-26.17	PASS
		High	Hop_2480	-4.94	-63.76	≤-24.94	PASS

Test Graphs

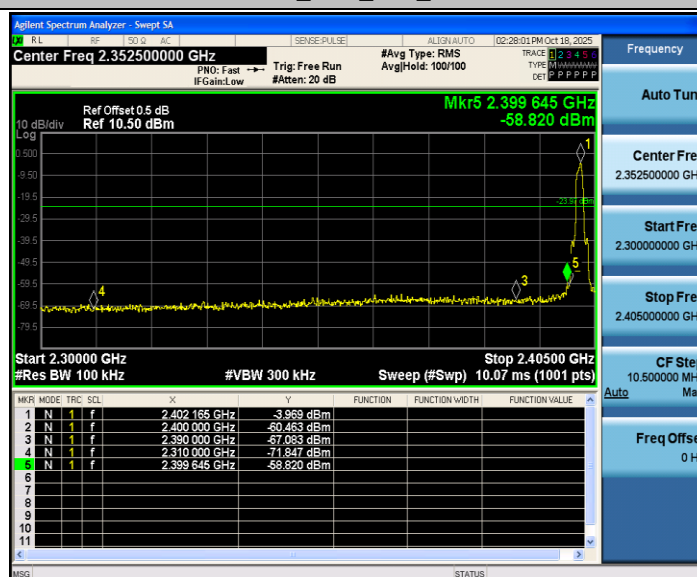




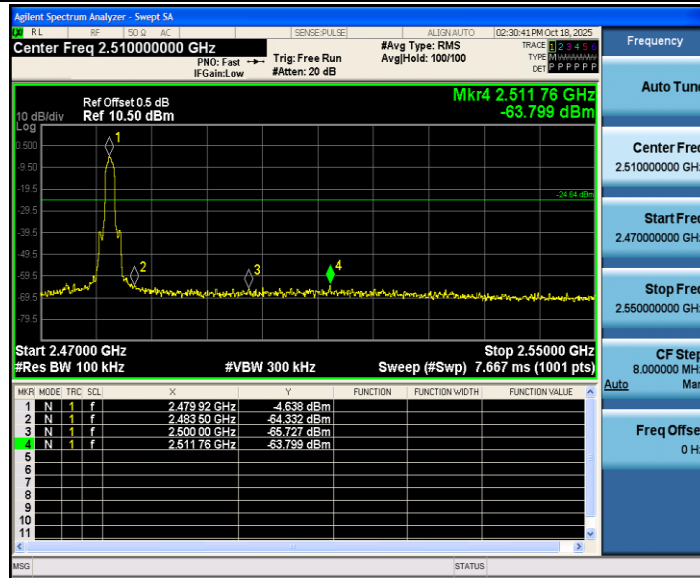
DH5_Ant1_High_Hop_2480



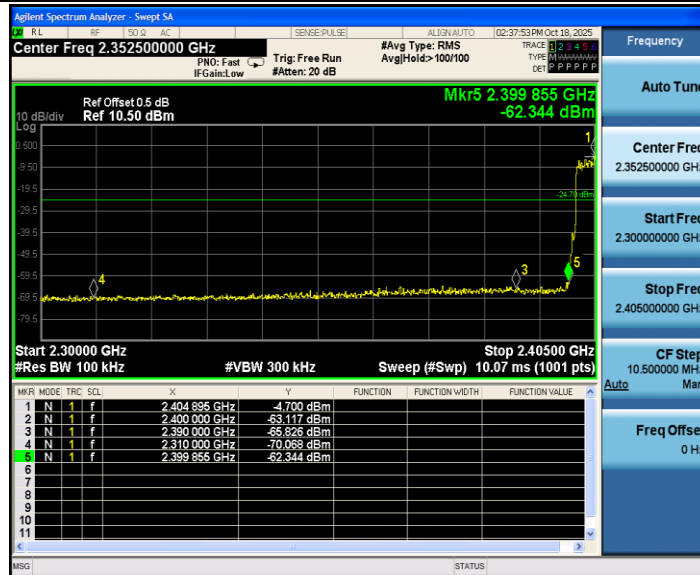
2DH5_Ant1_Low_2402



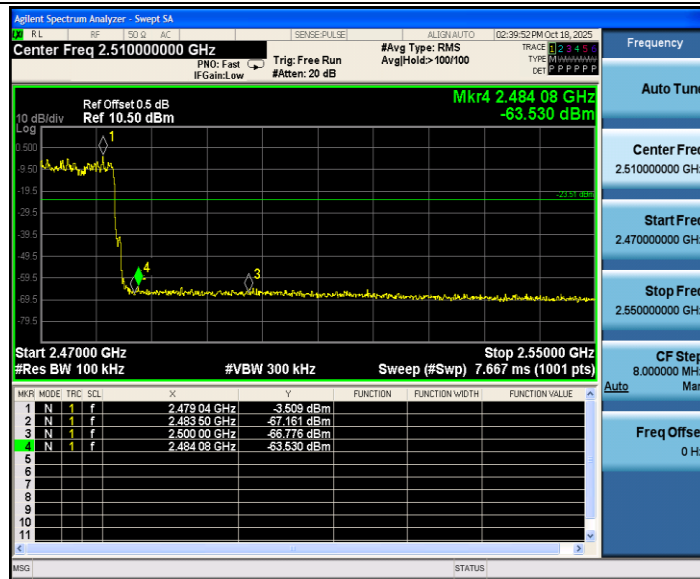
2DH5_Ant1_High_2480



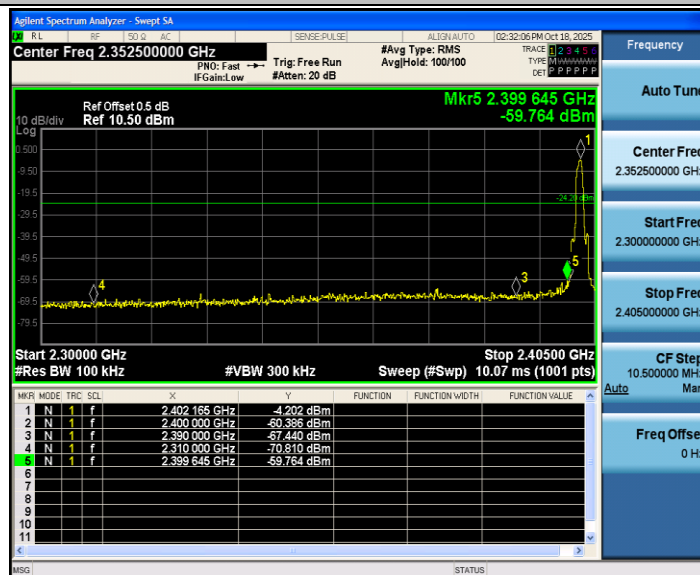
2DH5_Ant1_Low_Hop_2402



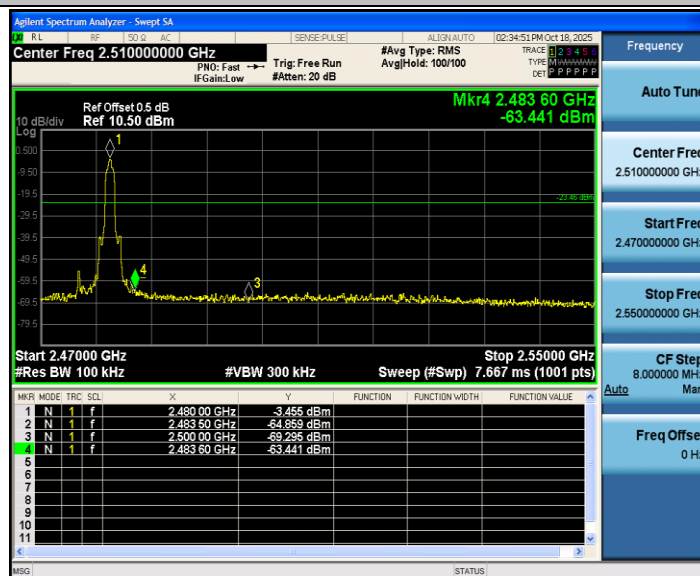
2DH5_Ant1_High_Hop_2480



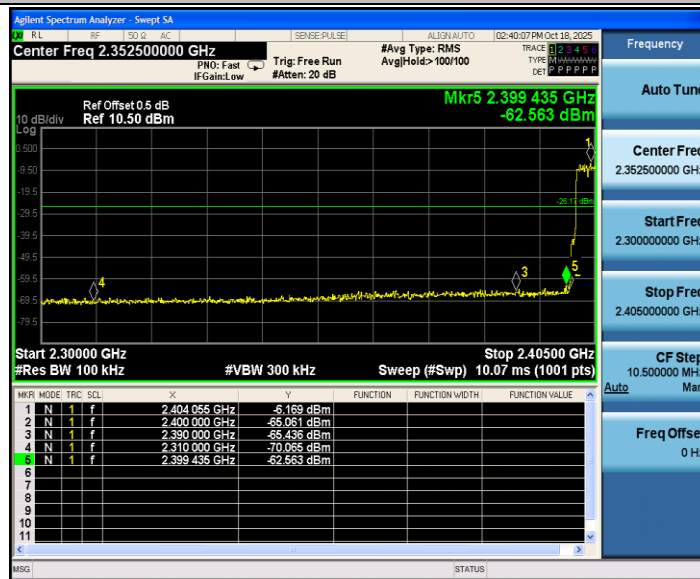
3DH5_Ant1_Low_2402



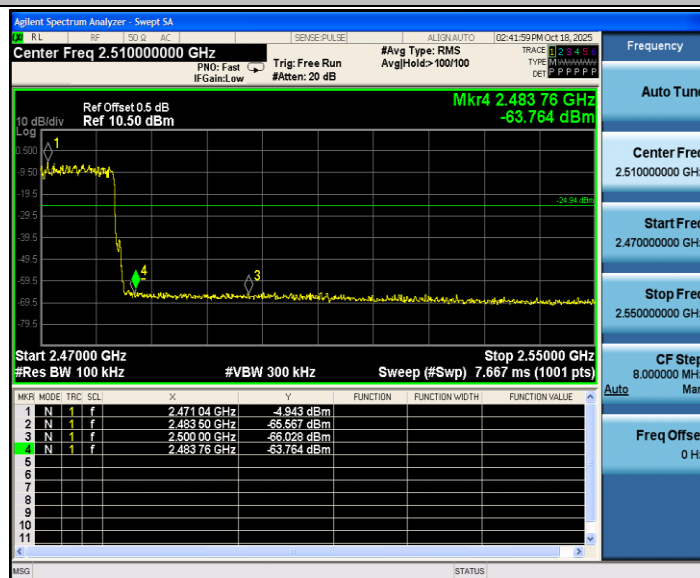
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

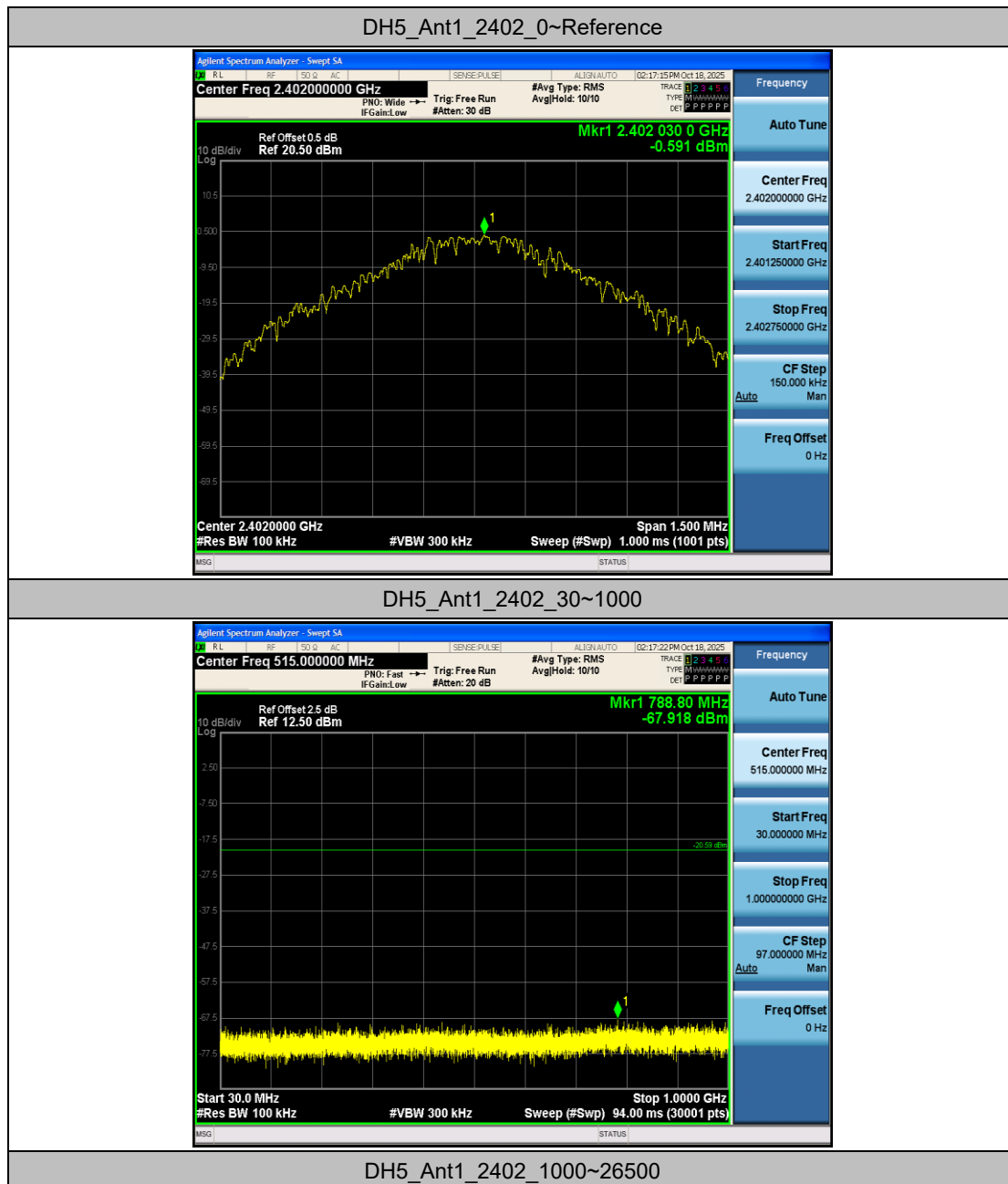


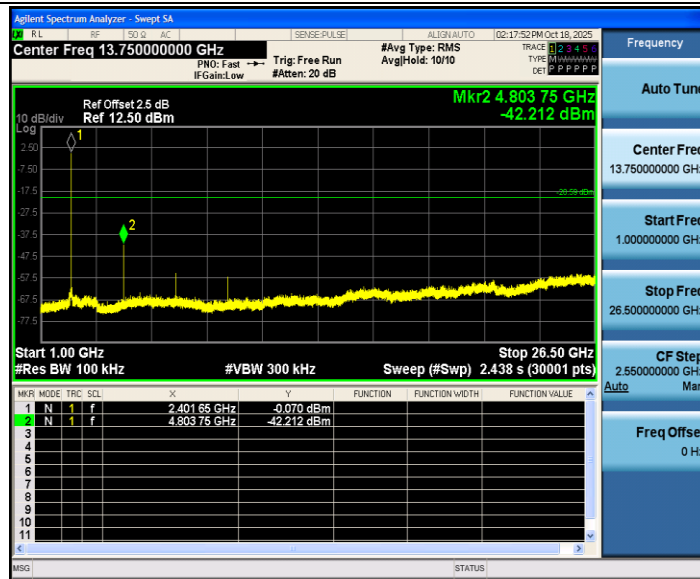
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-67.92	≤-20.59	PASS
			1000~26500	-0.59	-42.21	≤-20.59	PASS
		2441	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-68.37	≤-20.64	PASS
			1000~26500	-0.64	-42.69	≤-20.64	PASS
		2480	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-68.29	≤-20.8	PASS
			1000~26500	-0.80	-42.53	≤-20.8	PASS
2DH5	Ant1	2402	Reference	-5.15	-5.15	---	PASS
			30~1000	-5.15	-67.85	≤-25.15	PASS
			1000~26500	-5.15	-50.3	≤-25.15	PASS
		2441	Reference	-3.52	-3.52	---	PASS
			30~1000	-3.52	-67.8	≤-23.52	PASS
			1000~26500	-3.52	-47.38	≤-23.52	PASS
		2480	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-68.7	≤-24.28	PASS
			1000~26500	-4.28	-49.92	≤-24.28	PASS
3DH5	Ant1	2402	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-68.2	≤-25.4	PASS
			1000~26500	-5.40	-49.28	≤-25.4	PASS
		2441	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-68.3	≤-23.63	PASS
			1000~26500	-3.63	-46.63	≤-23.63	PASS
		2480	Reference	-6.67	-6.67	---	PASS
			30~1000	-6.67	-67.66	≤-26.67	PASS
			1000~26500	-6.67	-47.6	≤-26.67	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

