

FCC Appendix RF Test Data

FCC ID : 2BHYT-SHS805D21

Company : Dongguan Sanhe Sheng Technology Co., LTD

EUT : Air-pressure eye massager

Model Number : SHS805D21

Report No. : CTA25073100401

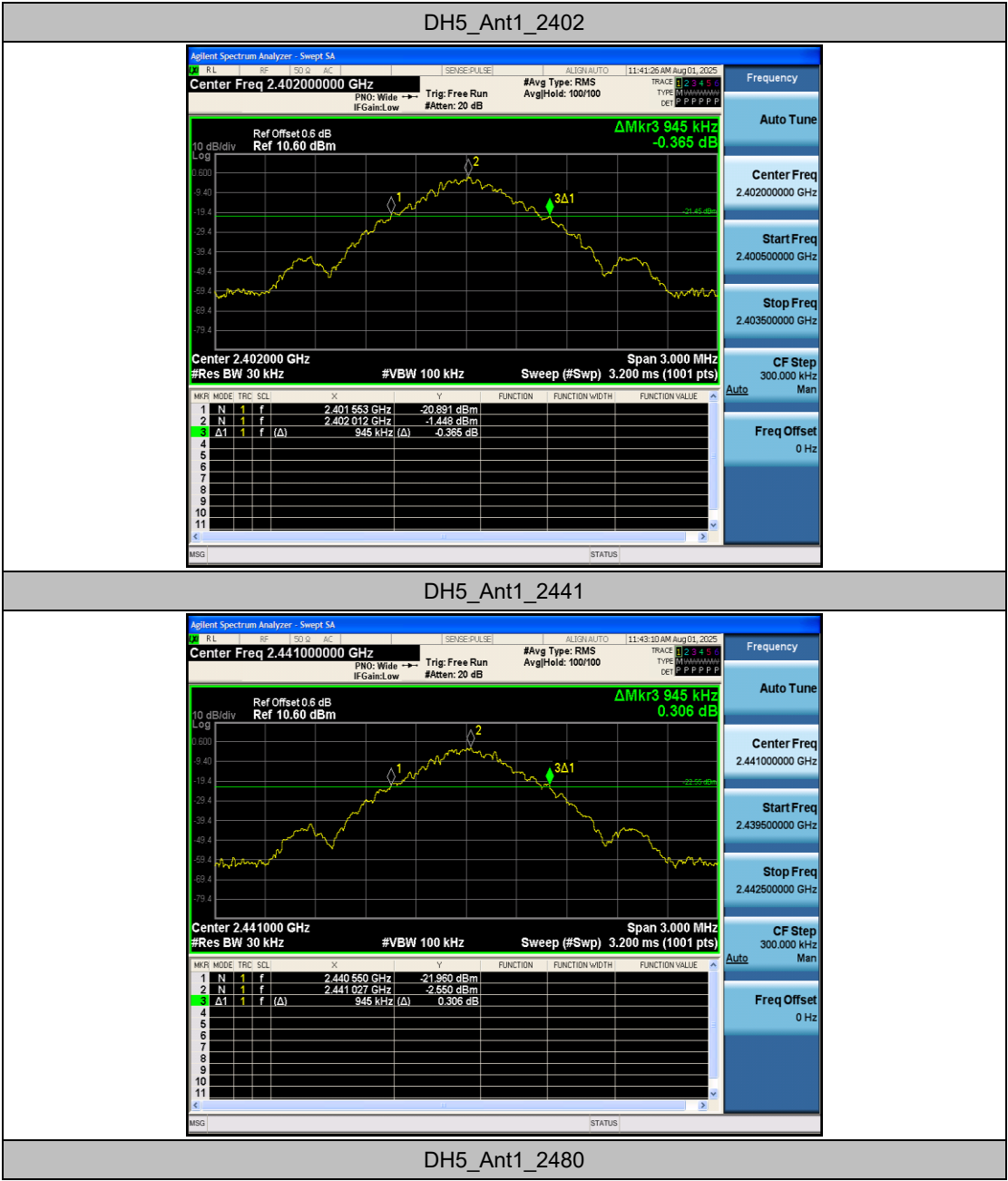
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.553	2402.498	---	---
		2441	0.945	2440.550	2441.495	---	---
		2480	0.957	2479.544	2480.501	---	---
2DH5	Ant1	2402	1.329	2401.343	2402.672	---	---
		2441	1.278	2440.382	2441.660	---	---
		2480	1.278	2479.382	2480.660	---	---
3DH5	Ant1	2402	1.269	2401.376	2402.645	---	---
		2441	1.275	2440.370	2441.645	---	---
		2480	1.314	2479.358	2480.672	---	---

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

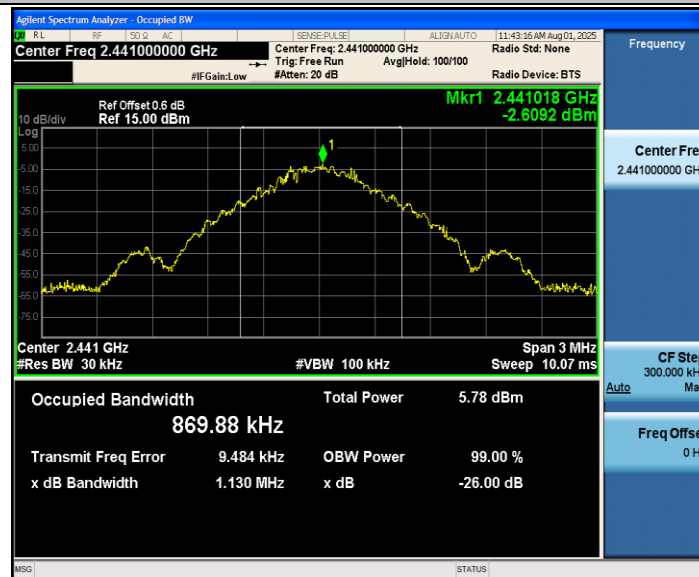
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86788	2401.5748	2402.4427	---	---
		2441	0.86988	2440.5745	2441.4444	---	---
		2480	0.87205	2479.5744	2480.4465	---	---
2DH5	Ant1	2402	1.1854	2401.4179	2402.6033	---	---
		2441	1.1888	2440.4166	2441.6054	---	---
		2480	1.1854	2479.4185	2480.6039	---	---
3DH5	Ant1	2402	1.1855	2401.4177	2402.6032	---	---
		2441	1.1883	2440.4157	2441.6040	---	---
		2480	1.1939	2479.4124	2480.6063	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



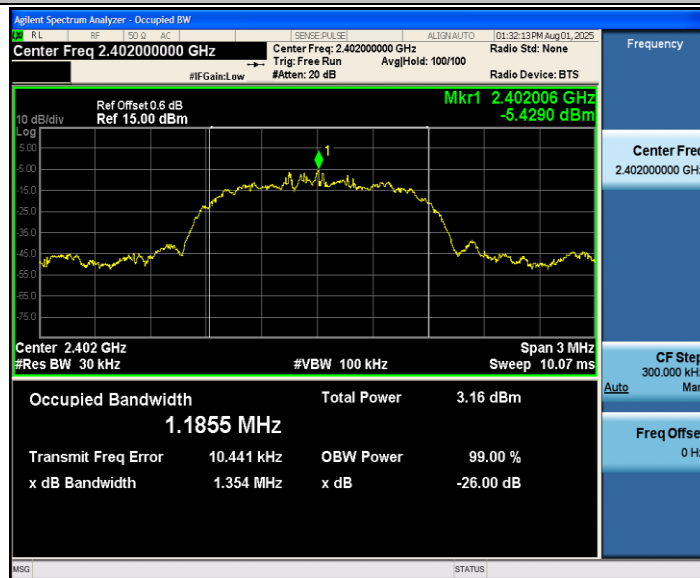
2DH5_Ant1_2441



2DH5_Ant1_2480



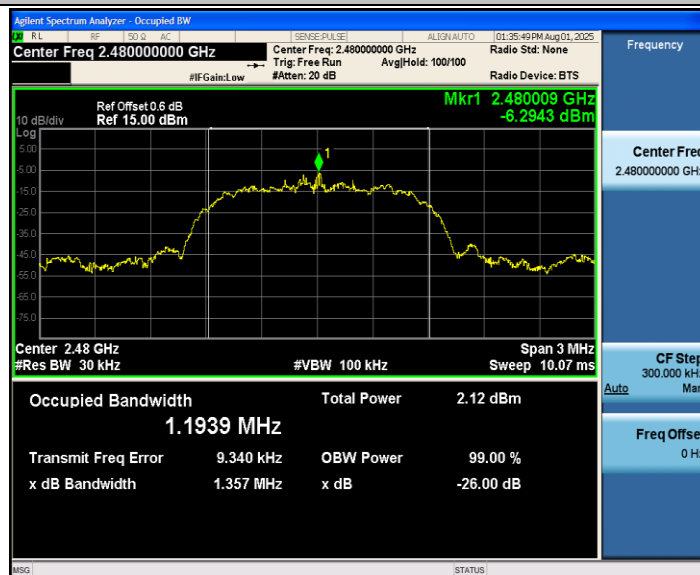
3DH5_Ant1_2402



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	0.27	≤ 20.97	PASS
		2441	-0.17	≤ 20.97	PASS
		2480	-0.41	≤ 20.97	PASS
2DH5	Ant1	2402	-0.55	≤ 20.97	PASS
		2441	-0.97	≤ 20.97	PASS
		2480	-1.20	≤ 20.97	PASS
3DH5	Ant1	2402	-0.12	≤ 20.97	PASS
		2441	-0.57	≤ 20.97	PASS
		2480	-0.78	≤ 20.97	PASS

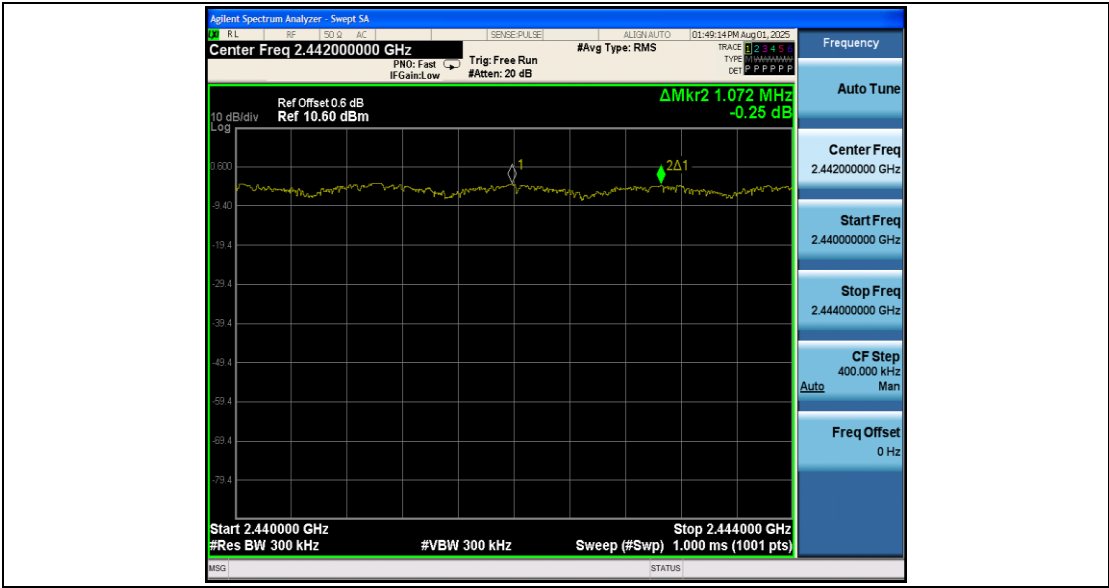
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.957	PASS
2DH5	Ant1	Hop	1.148	≥ 0.886	PASS
3DH5	Ant1	Hop	1.072	≥ 0.876	PASS

Test Graphs



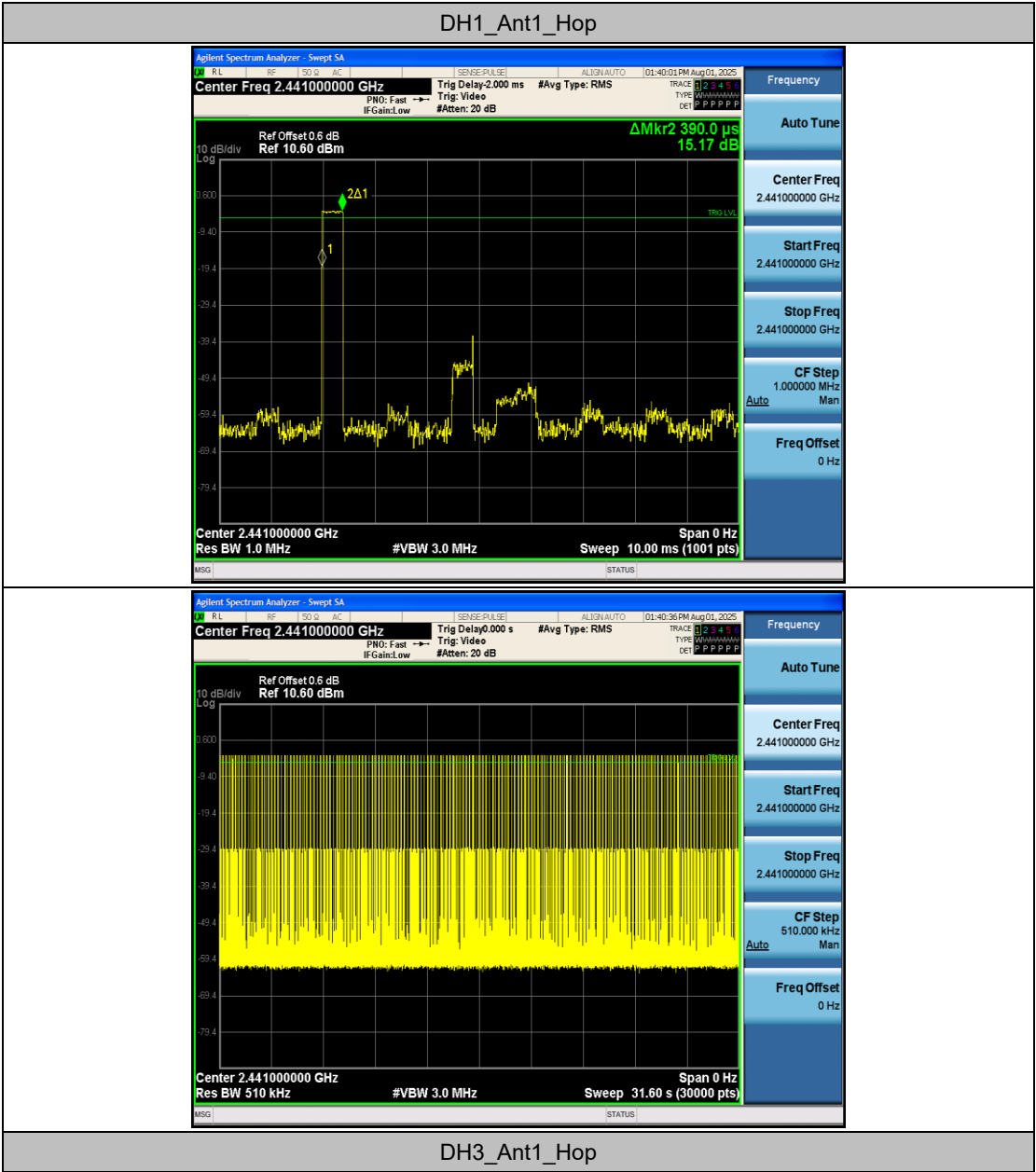


Appendix E: Time of occupancy

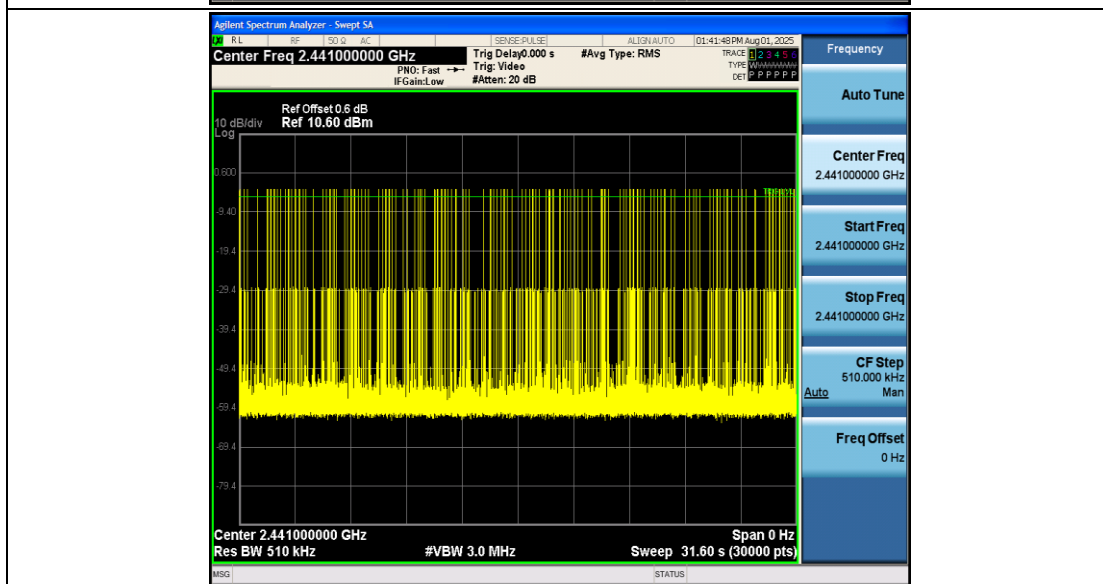
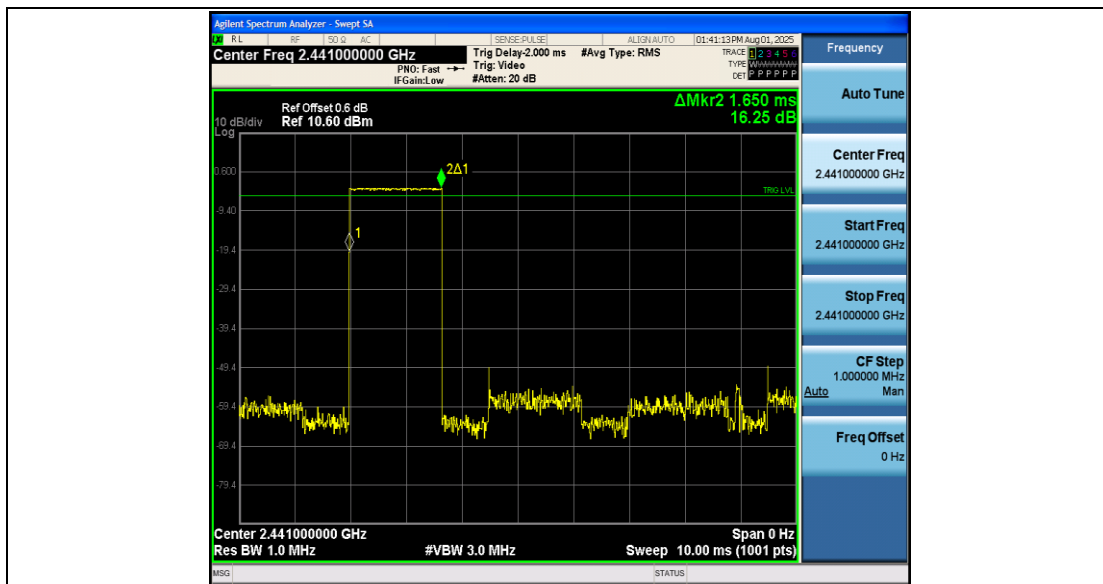
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.650	158	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.890	100	0.289	≤0.4	PASS
2DH1	Ant1	Hop	0.400	314	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.650	162	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.900	99	0.287	≤0.4	PASS
3DH1	Ant1	Hop	0.400	313	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.650	154	0.254	≤0.4	PASS
3DH5	Ant1	Hop	2.900	0	0	≤0.4	PASS

Test Graphs

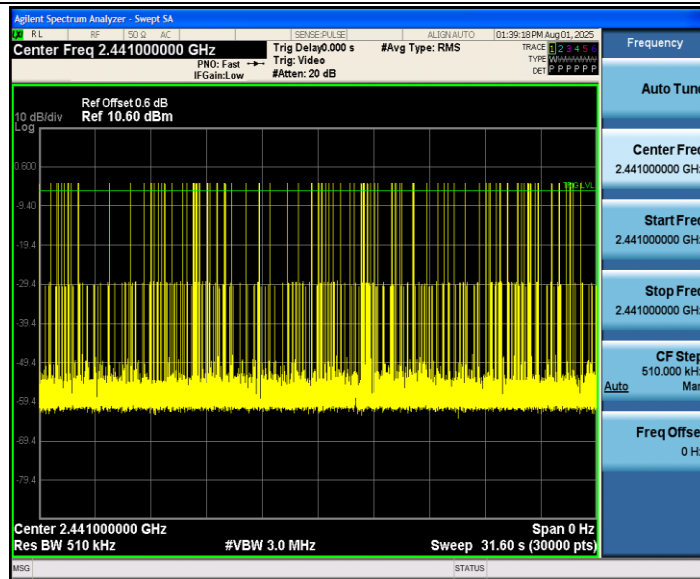


DH3_Ant1_Hop

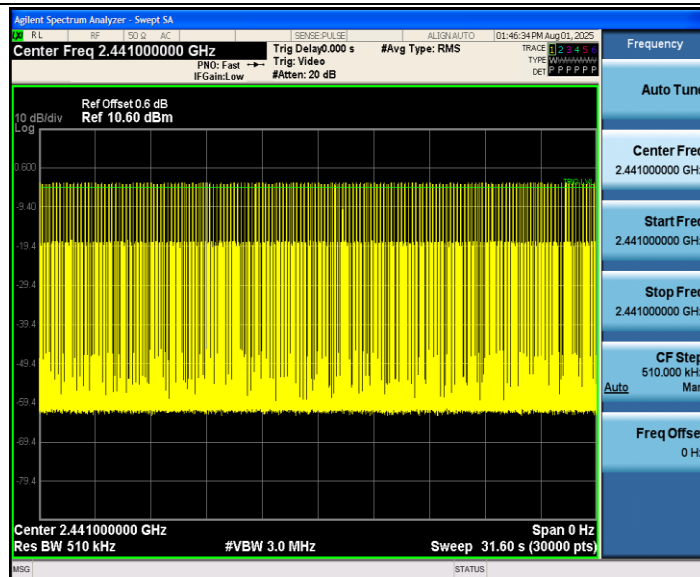
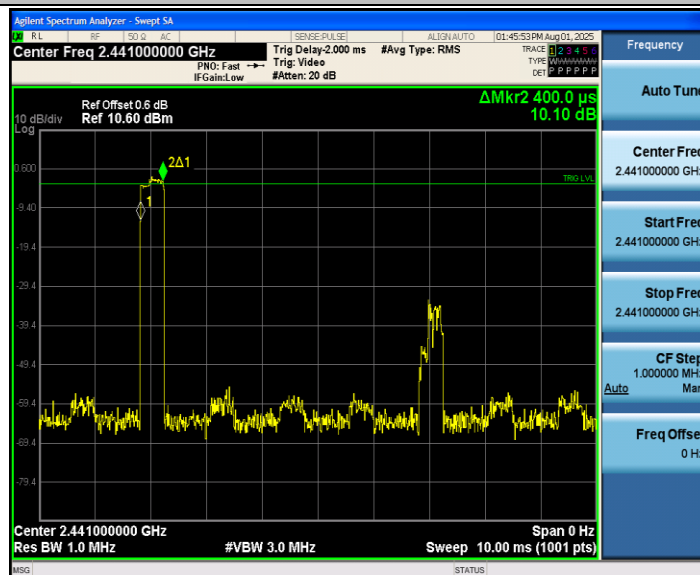


DH5_Ant1_Hop

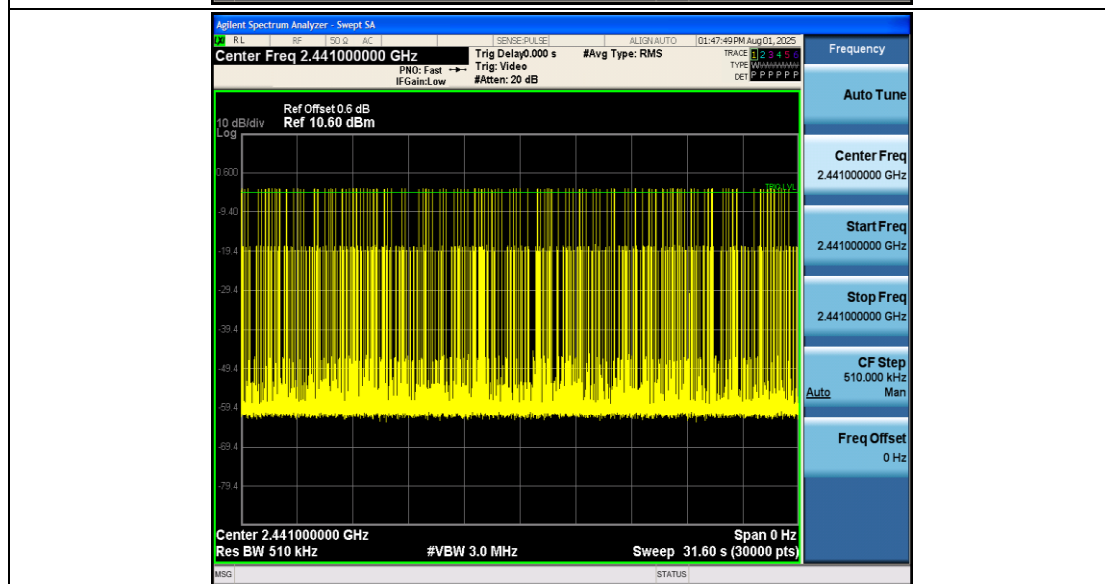




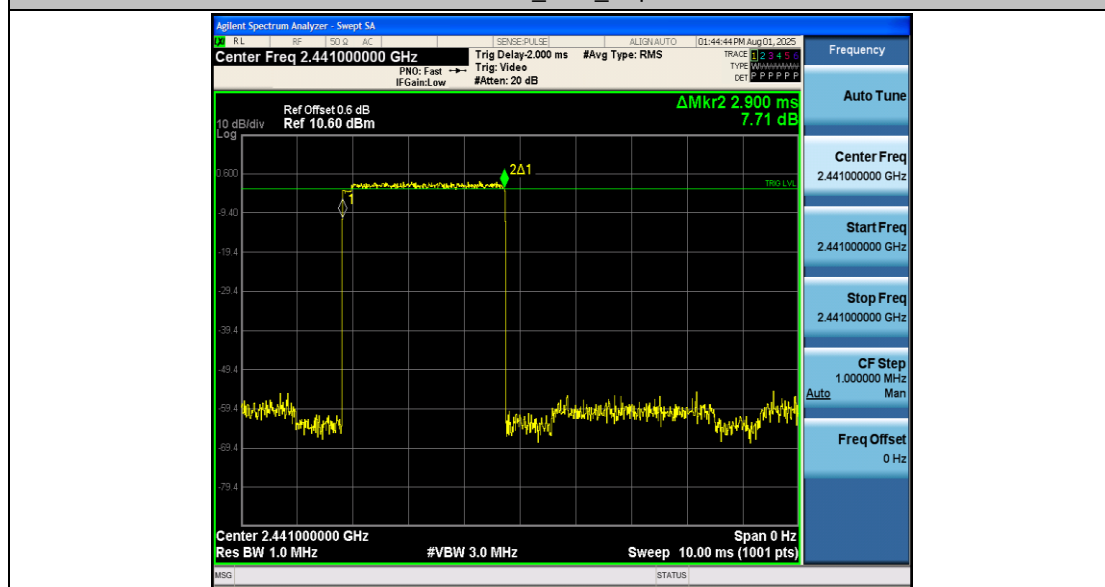
2DH1_Ant1_Hop

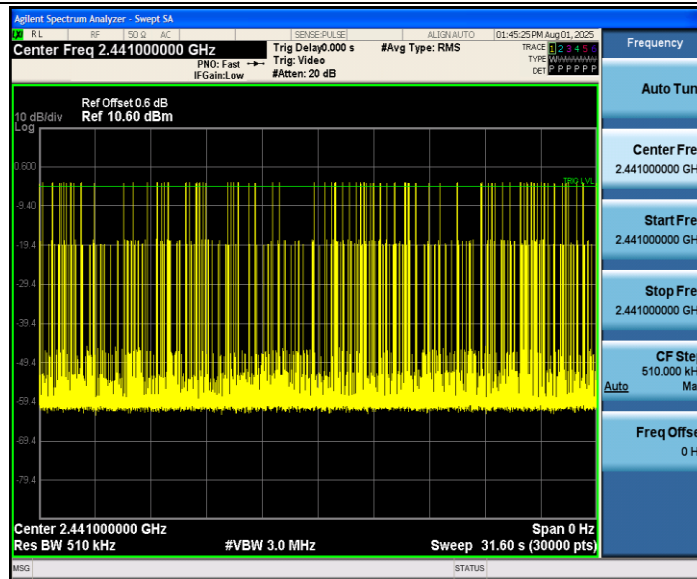


2DH3_Ant1_Hop

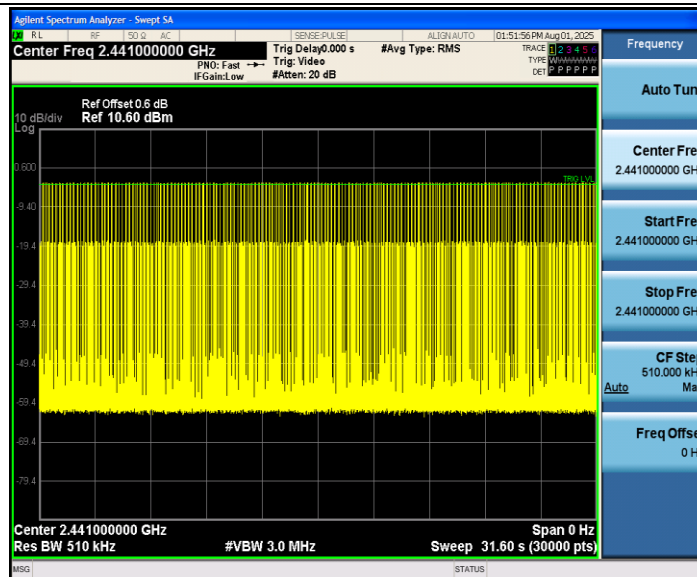
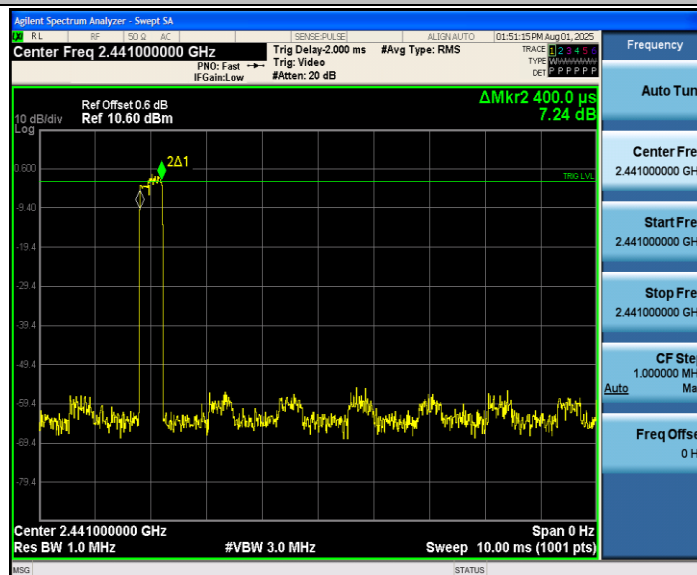


2DH5_Ant1_Hop

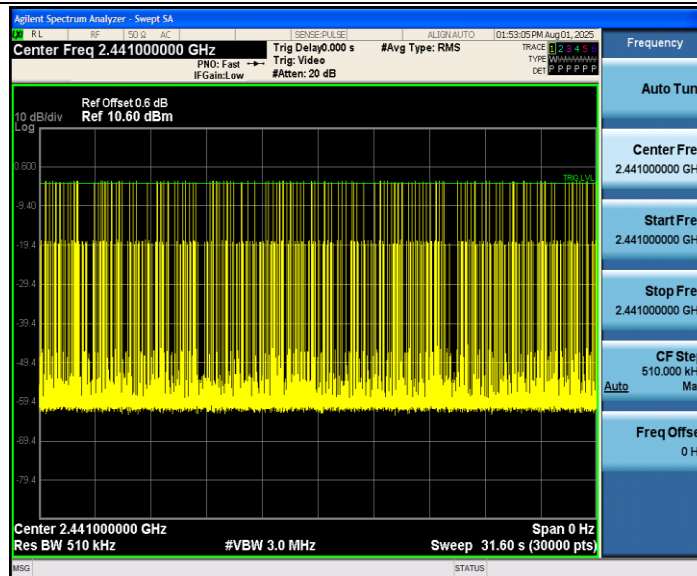




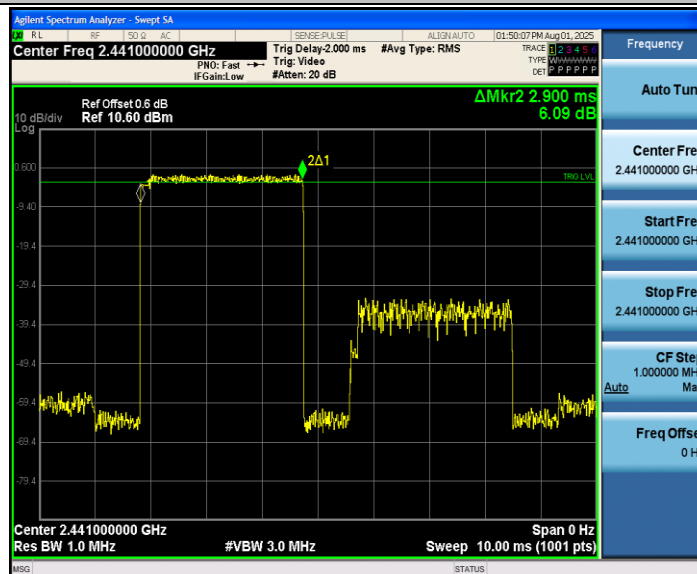
3DH1_Ant1_Hop

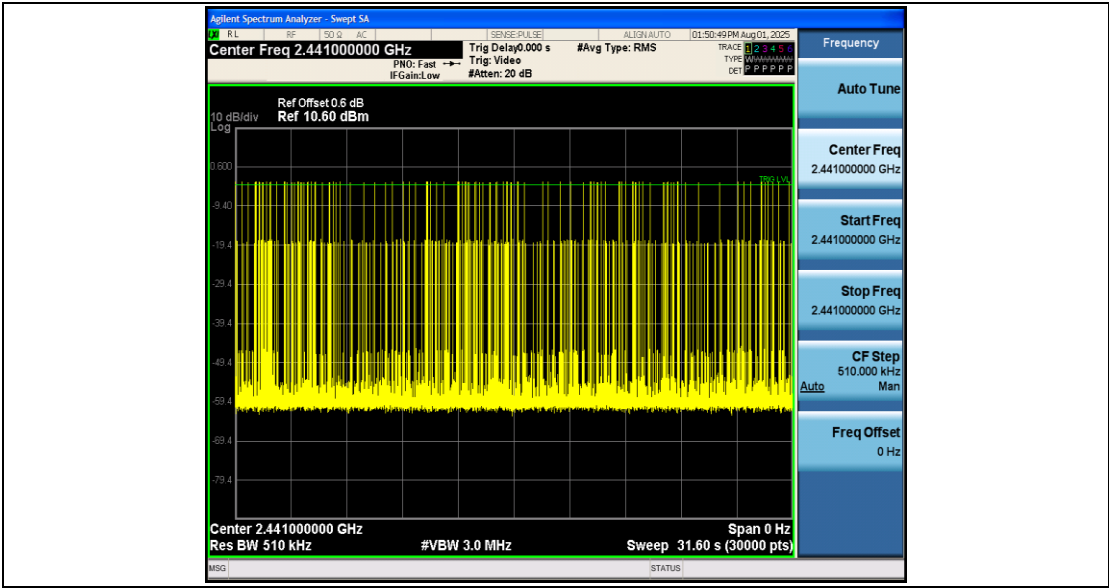


3DH3_Ant1_Hop



3DH5_Ant1_Hop





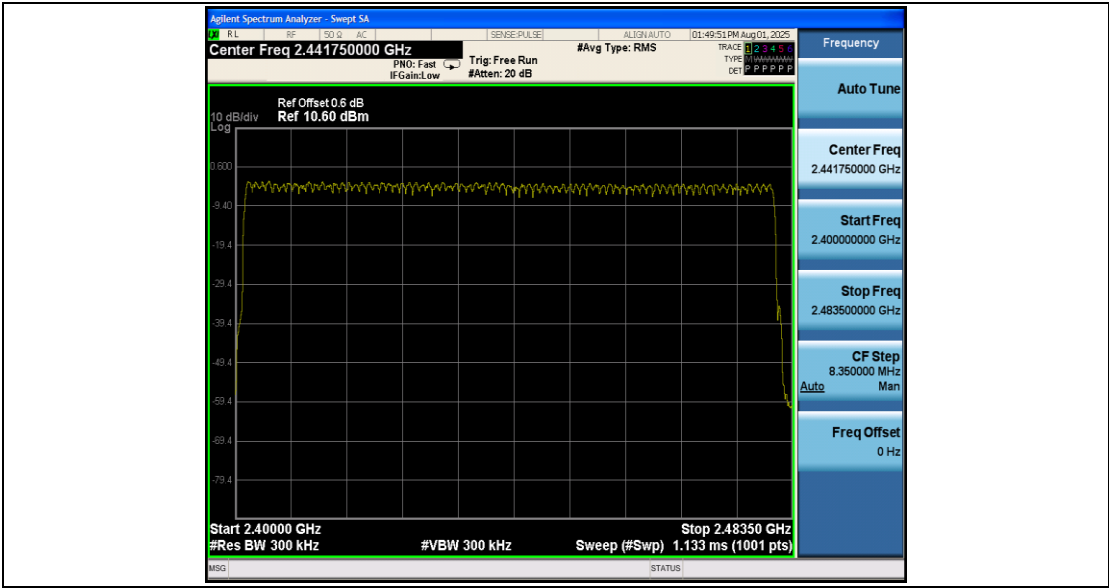
Appendix F: Number of hopping channels

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



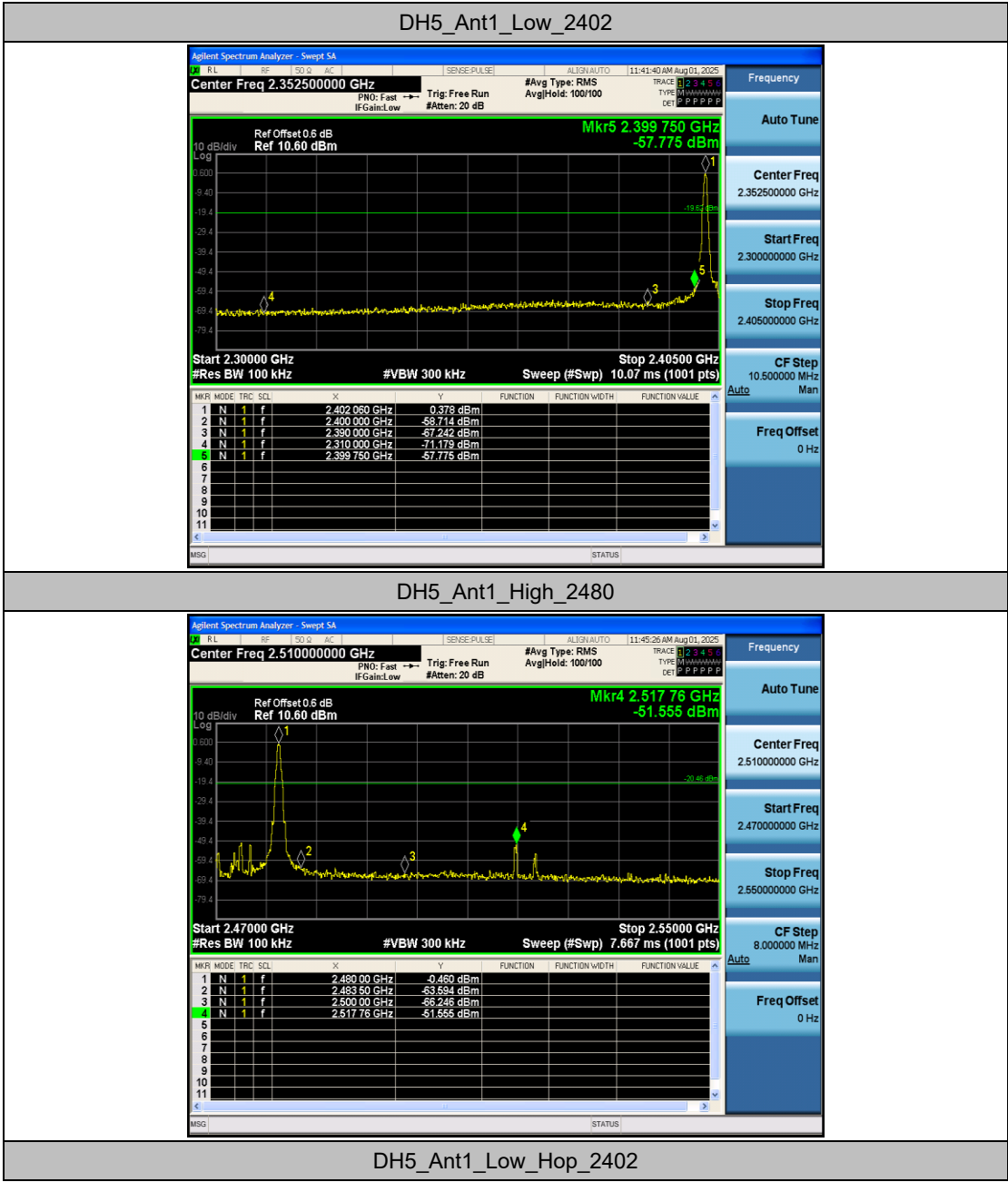


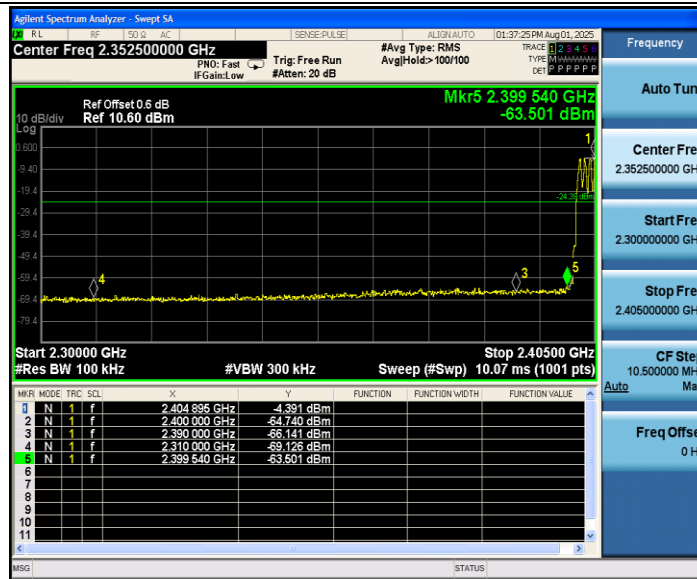
Appendix G: Band edge measurements

Test Result

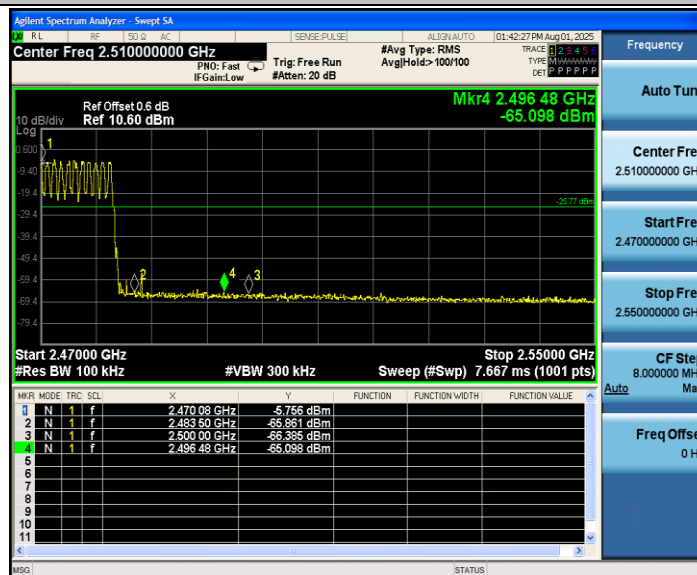
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.38	-57.78	≤-19.62	PASS
		High	2480	-0.46	-51.56	≤-20.46	PASS
		Low	Hop_2402	-4.39	-63.5	≤-24.39	PASS
		High	Hop_2480	-5.77	-65.1	≤-25.77	PASS
2DH5	Ant1	Low	2402	-4.29	-60.29	≤-24.29	PASS
		High	2480	-6.92	-63.87	≤-26.92	PASS
		Low	Hop_2402	-4.70	-62.5	≤-24.7	PASS
		High	Hop_2480	-6.85	-50.58	≤-26.85	PASS
3DH5	Ant1	Low	2402	-5.92	-60.17	≤-25.92	PASS
		High	2480	-5.03	-62.26	≤-25.03	PASS
		Low	Hop_2402	-3.12	-62.95	≤-23.12	PASS
		High	Hop_2480	-5.92	-63.34	≤-25.92	PASS

Test Graphs

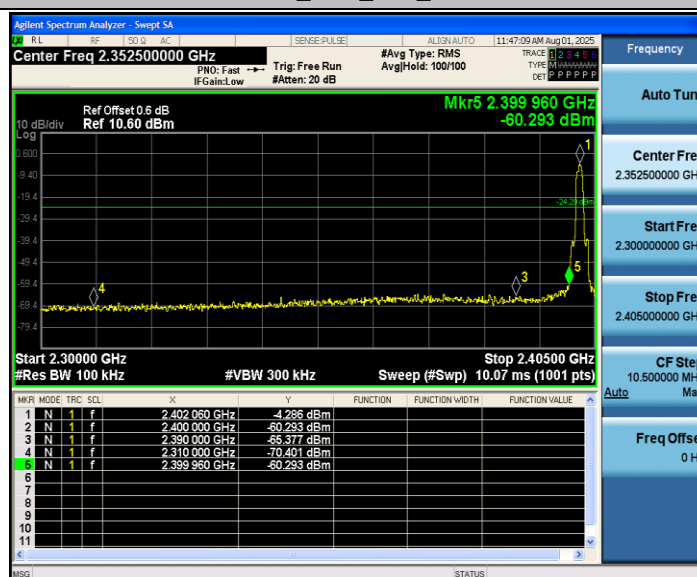




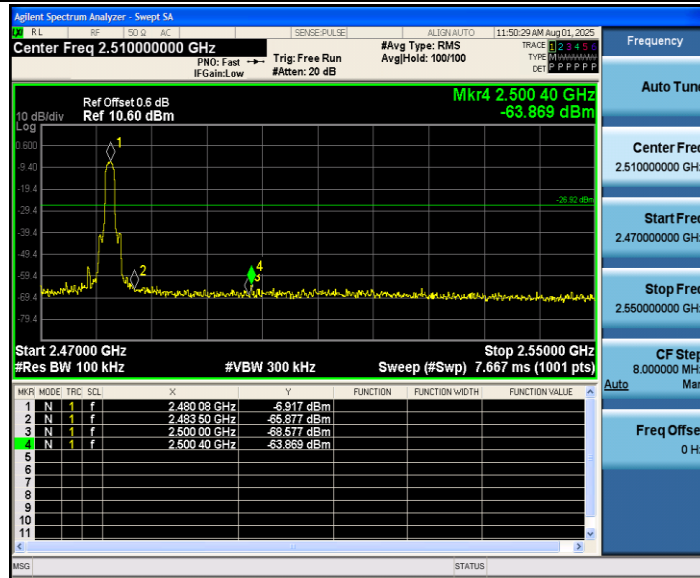
DH5_Ant1_High_Hop_2480



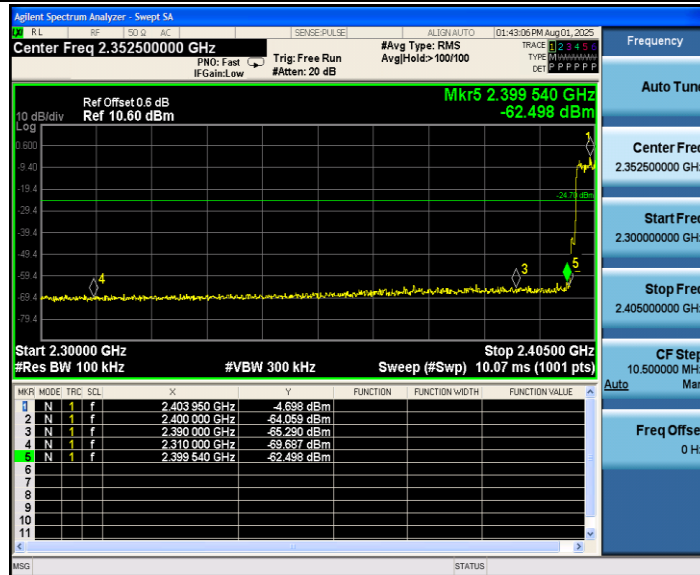
2DH5_Ant1_Low_2402



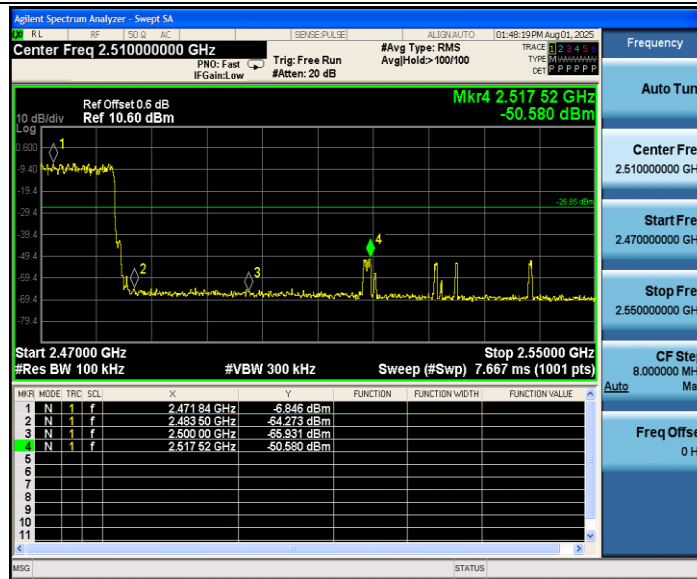
2DH5_Ant1_High_2480



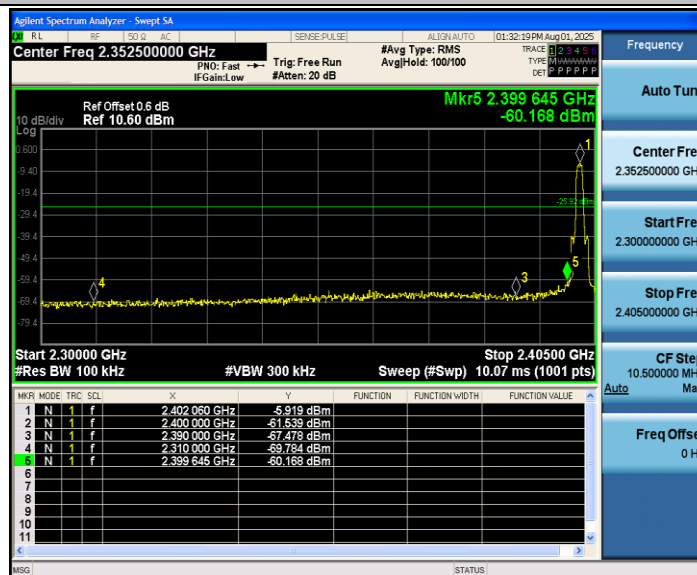
2DH5_Ant1_Low_Hop_2402



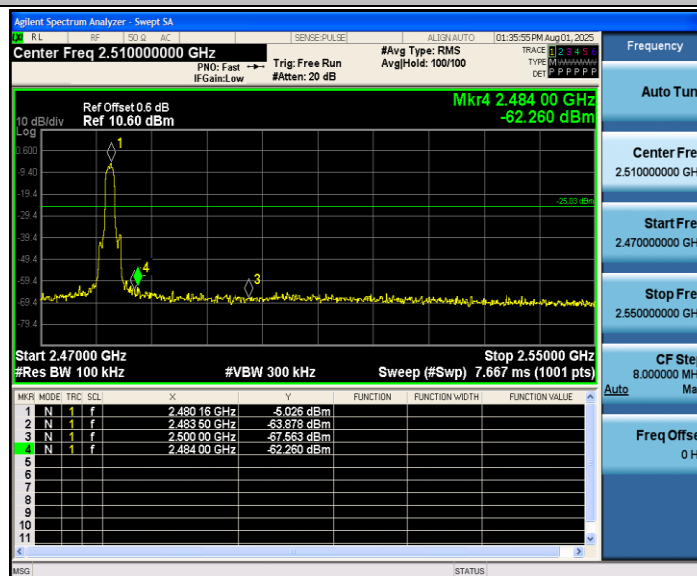
2DH5_Ant1_High_Hop_2480



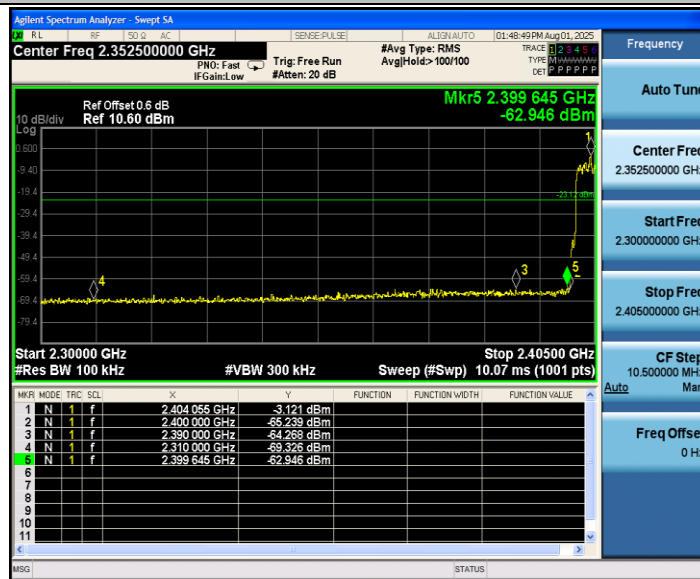
3DH5_Ant1_Low_2402



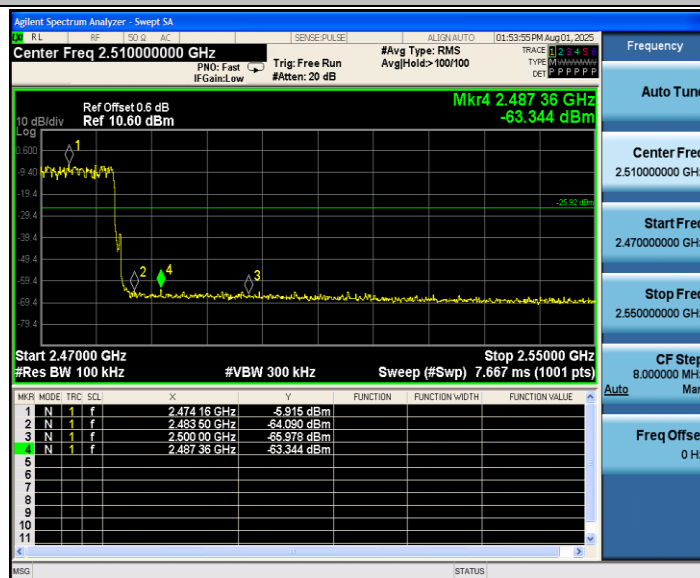
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

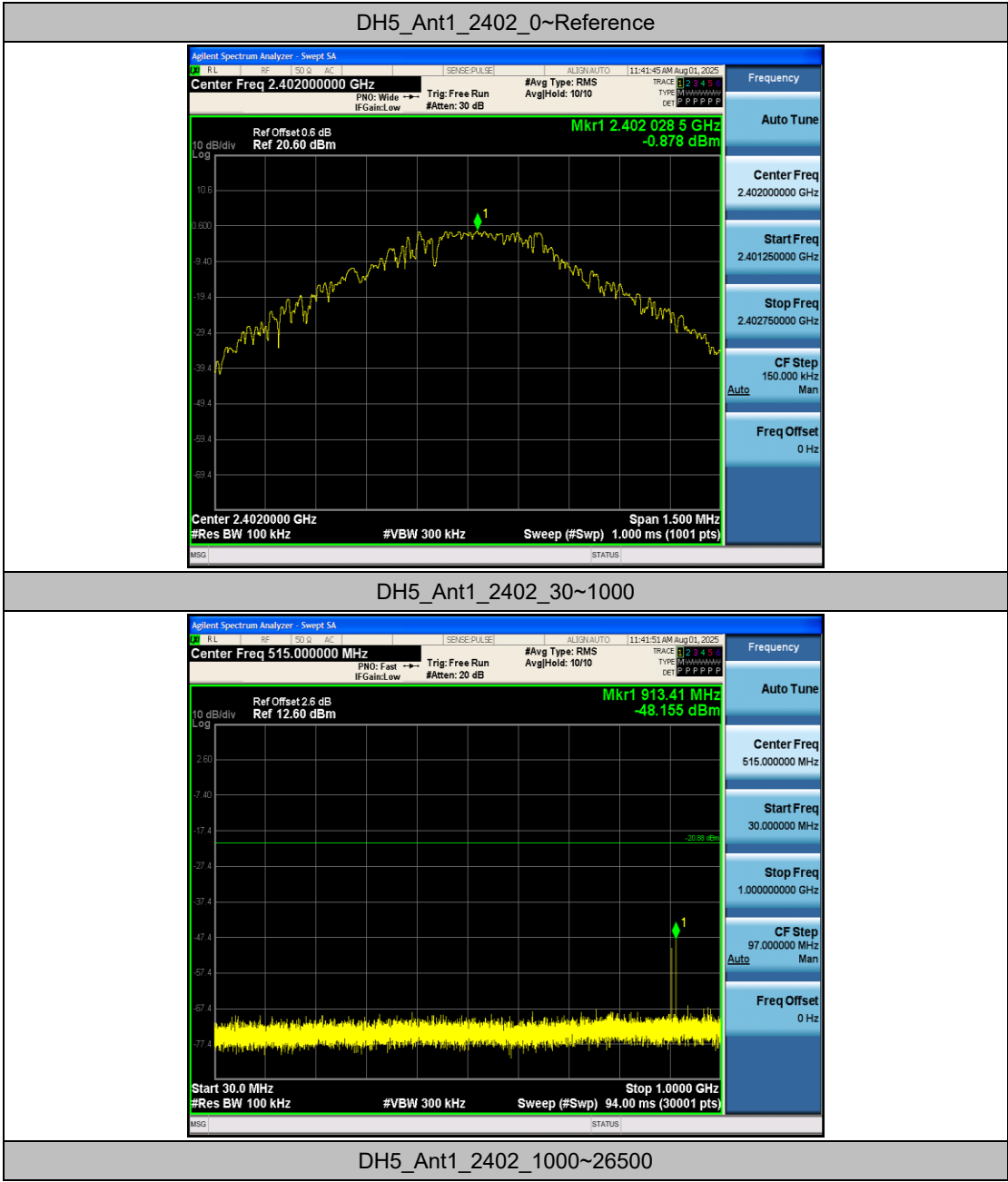


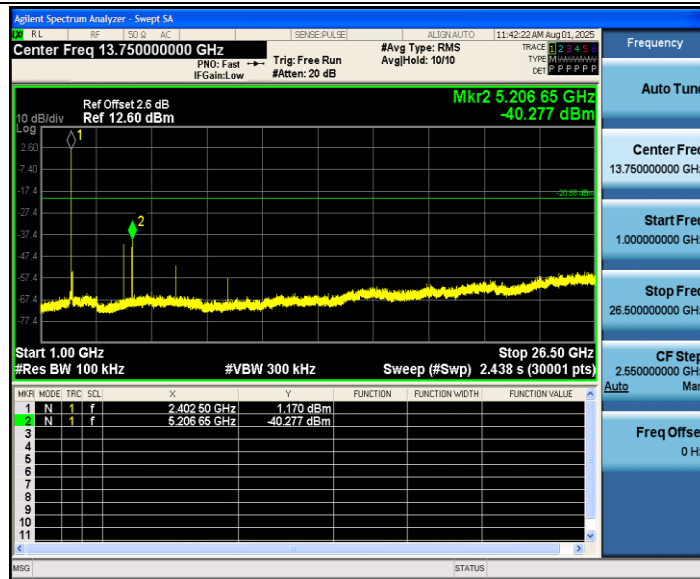
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-48.16	≤-20.88	PASS
			1000~26500	-0.88	-40.28	≤-20.88	PASS
		2441	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-67.74	≤-21.11	PASS
			1000~26500	-1.11	-44.16	≤-21.11	PASS
		2480	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-52.39	≤-21.16	PASS
			1000~26500	-1.16	-42.34	≤-21.16	PASS
2DH5	Ant1	2402	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-67.2	≤-24.9	PASS
			1000~26500	-4.90	-48.09	≤-24.9	PASS
		2441	Reference	-5.29	-5.29	---	PASS
			30~1000	-5.29	-64.24	≤-25.29	PASS
			1000~26500	-5.29	-44.89	≤-25.29	PASS
		2480	Reference	-5.38	-5.38	---	PASS
			30~1000	-5.38	-67.54	≤-25.38	PASS
			1000~26500	-5.38	-45.35	≤-25.38	PASS
3DH5	Ant1	2402	Reference	-6.36	-6.36	---	PASS
			30~1000	-6.36	-67.47	≤-26.36	PASS
			1000~26500	-6.36	-44.05	≤-26.36	PASS
		2441	Reference	-6.56	-6.56	---	PASS
			30~1000	-6.56	-67.71	≤-26.56	PASS
			1000~26500	-6.56	-44.55	≤-26.56	PASS
		2480	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-67.99	≤-24.86	PASS
			1000~26500	-4.86	-43.36	≤-24.86	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

