

Appendix RF Test Data for BT

FCC ID : 2BR63-1009

Company : Shaanxi Luxun Network Technology Co., Ltd

EUT : smart glasses

Model Number : 1009

Report No. : CTA25082100901

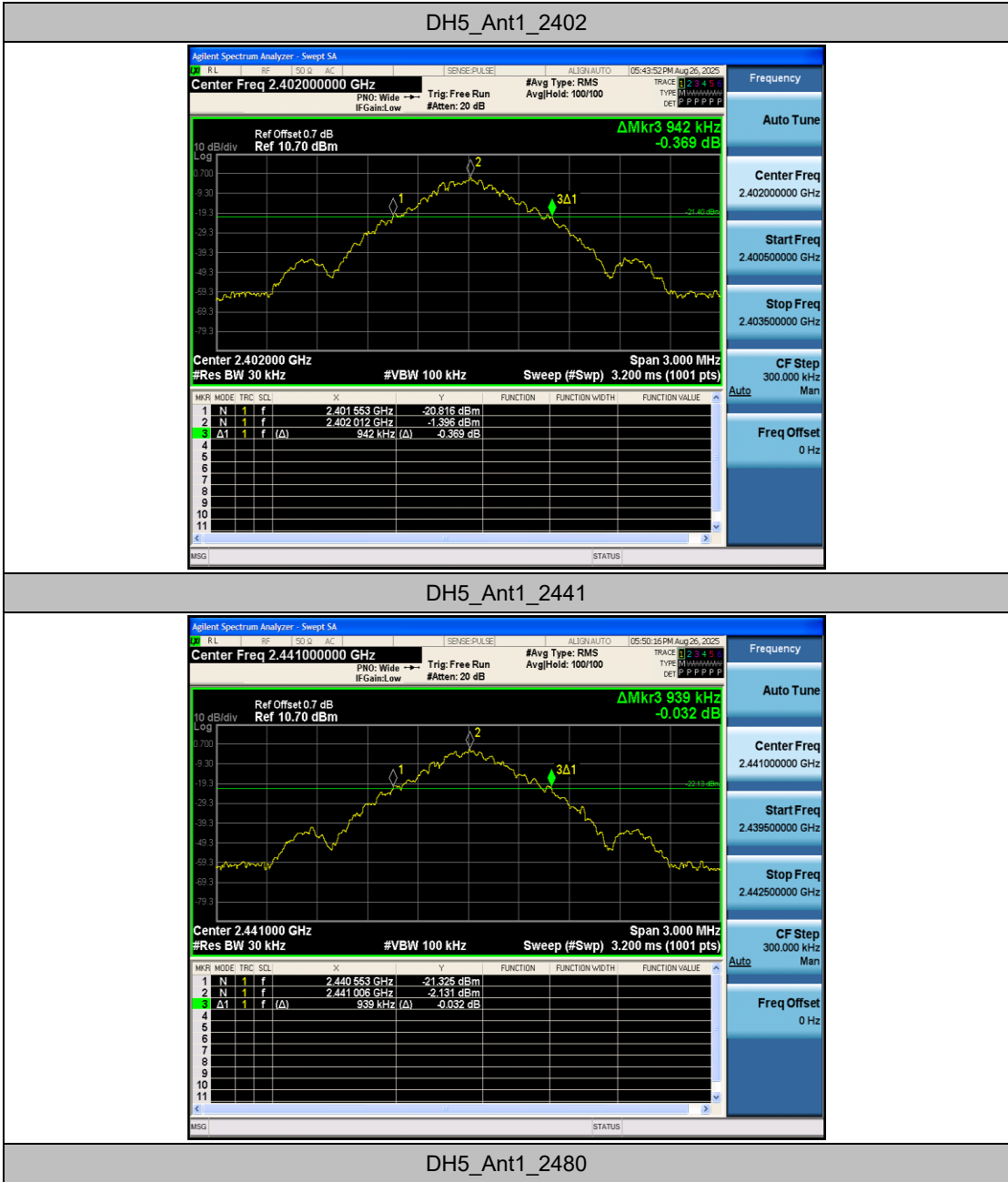
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.553	2402.495	---	---
		2441	0.939	2440.553	2441.492	---	---
		2480	0.942	2479.553	2480.495	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.278	2440.382	2441.660	---	---
		2480	1.323	2479.346	2480.669	---	---
3DH5	Ant1	2402	1.284	2401.367	2402.651	---	---
		2441	1.314	2440.358	2441.672	---	---
		2480	1.308	2479.361	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

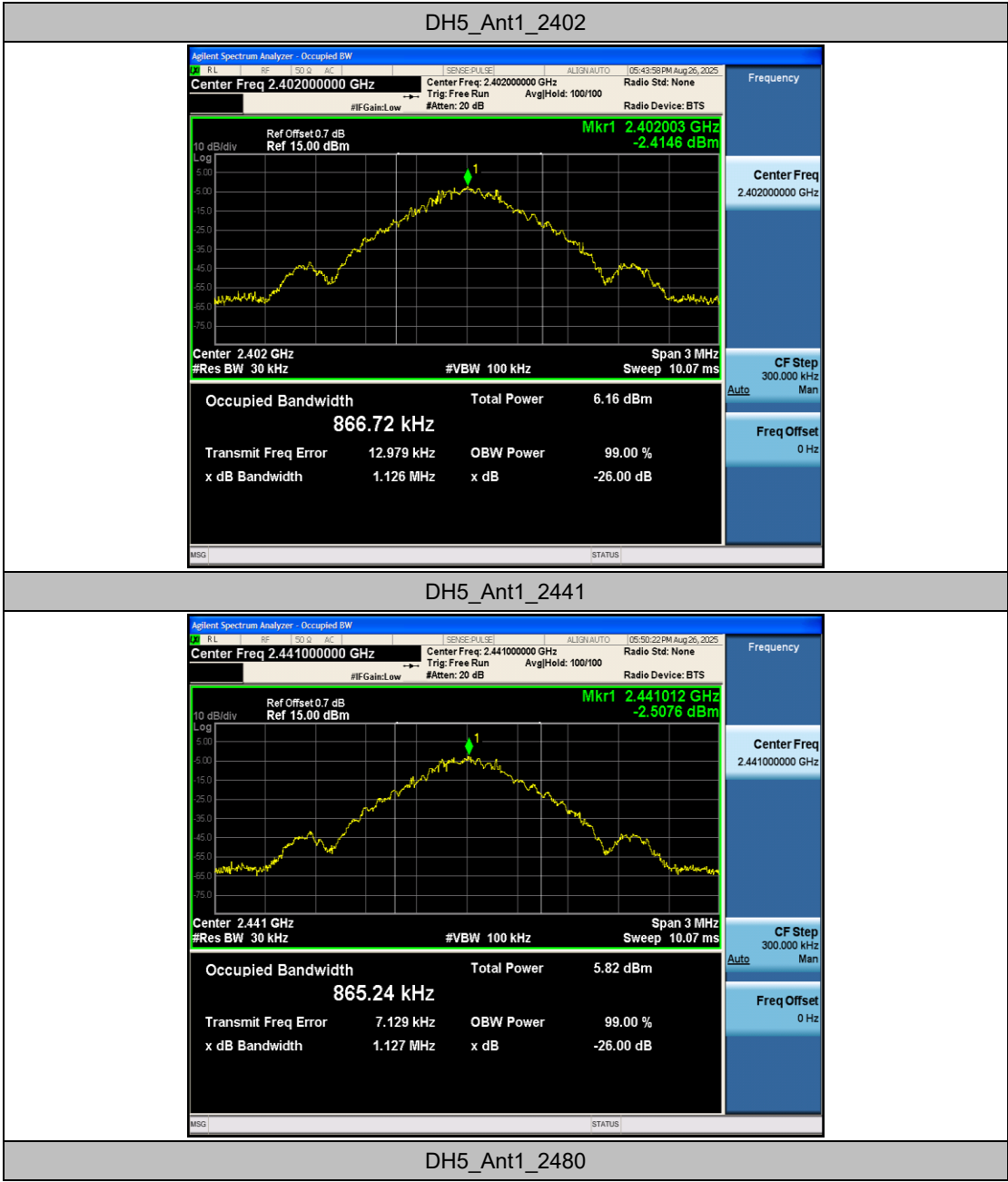


Appendix B: Occupied Channel Bandwidth

Test Result

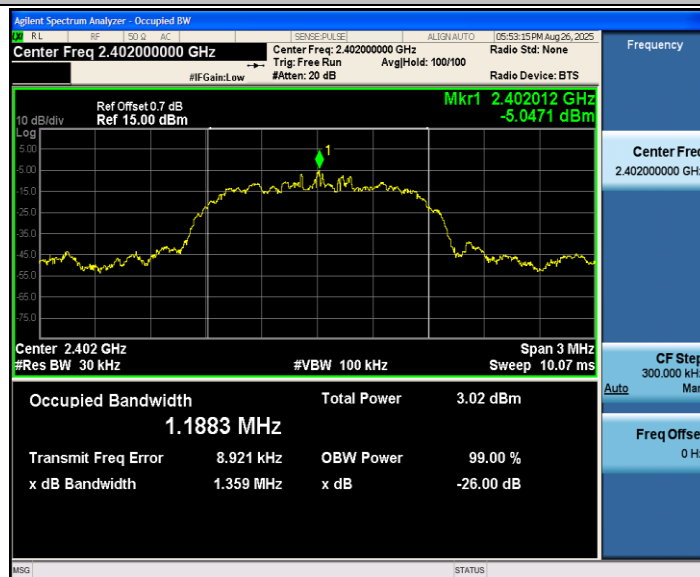
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86672	2401.5796	2402.4463	---	---
		2441	0.86524	2440.5745	2441.4398	---	---
		2480	0.86804	2479.5743	2480.4423	---	---
2DH5	Ant1	2402	1.1883	2401.4148	2402.6031	---	---
		2441	1.1837	2440.4165	2441.6002	---	---
		2480	1.1873	2479.4171	2480.6044	---	---
3DH5	Ant1	2402	1.1975	2401.4092	2402.6067	---	---
		2441	1.1819	2440.4206	2441.6025	---	---
		2480	1.1901	2479.4150	2480.6051	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



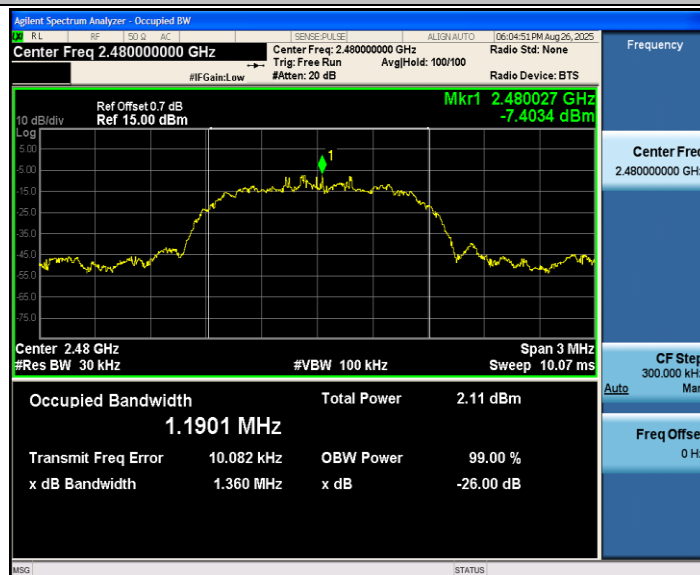
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Left:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.30	≤20.97	PASS
		2441	-0.21	≤20.97	PASS
		2480	-0.47	≤20.97	PASS
2DH5	Ant1	2402	-0.49	≤20.97	PASS
		2441	-1.02	≤20.97	PASS
		2480	-1.27	≤20.97	PASS
3DH5	Ant1	2402	-0.14	≤20.97	PASS
		2441	-0.63	≤20.97	PASS
		2480	-0.87	≤20.97	PASS

Right:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.27	≤20.97	PASS
		2441	-0.20	≤20.97	PASS
		2480	-0.37	≤20.97	PASS
2DH5	Ant1	2402	-0.52	≤20.97	PASS
		2441	-1.04	≤20.97	PASS
		2480	-1.24	≤20.97	PASS
3DH5	Ant1	2402	-0.10	≤20.97	PASS
		2441	-0.54	≤20.97	PASS
		2480	-0.79	≤20.97	PASS

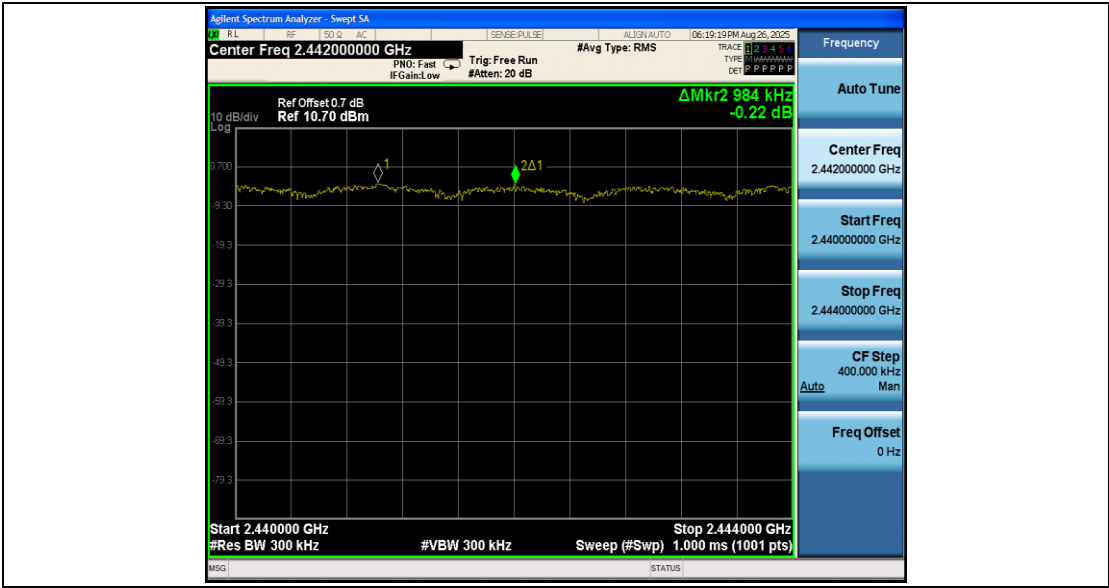
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.942	PASS
2DH5	Ant1	Hop	1.172	≥ 0.882	PASS
3DH5	Ant1	Hop	0.984	≥ 0.876	PASS

Test Graphs



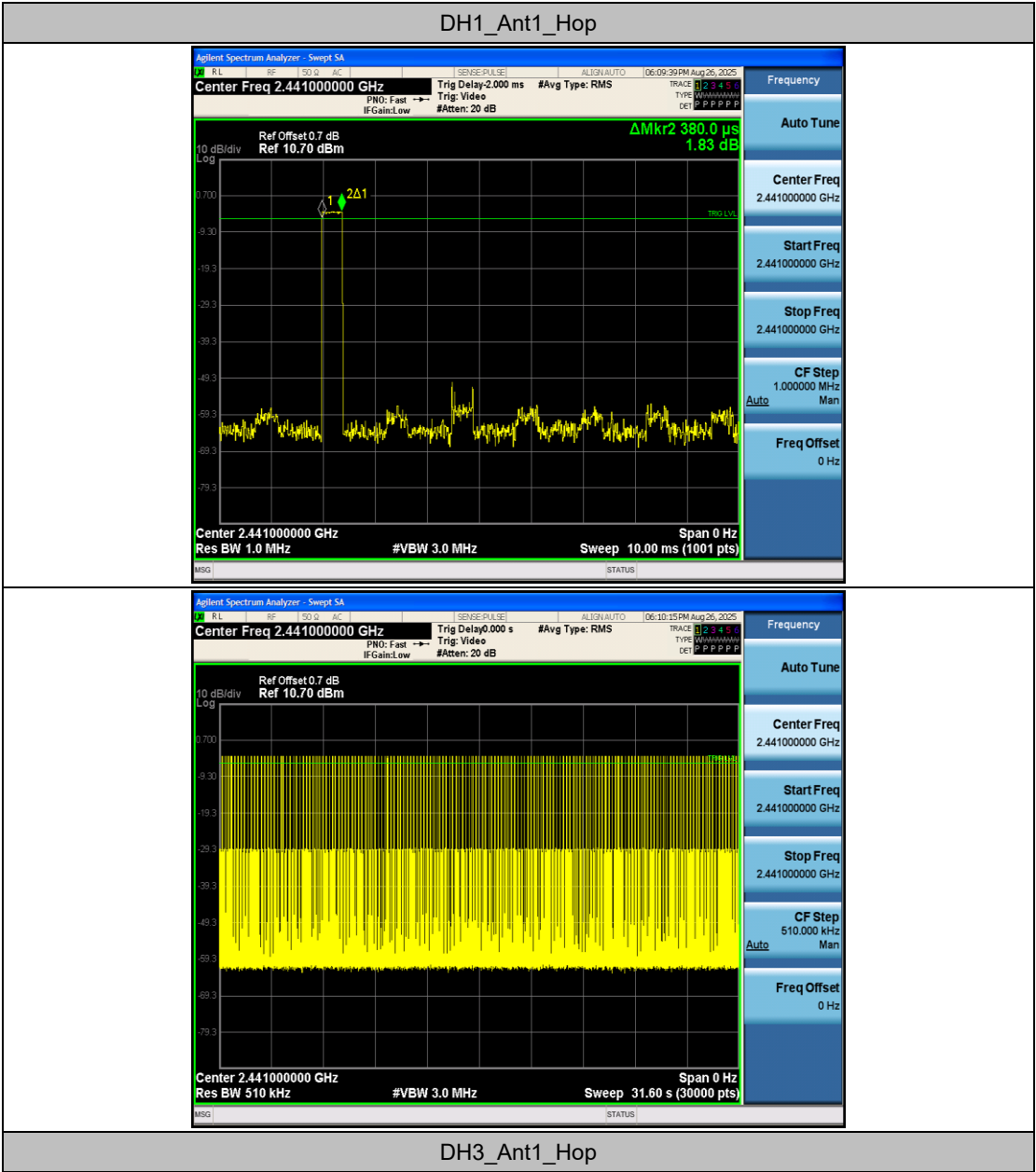


Appendix E: Time of occupancy

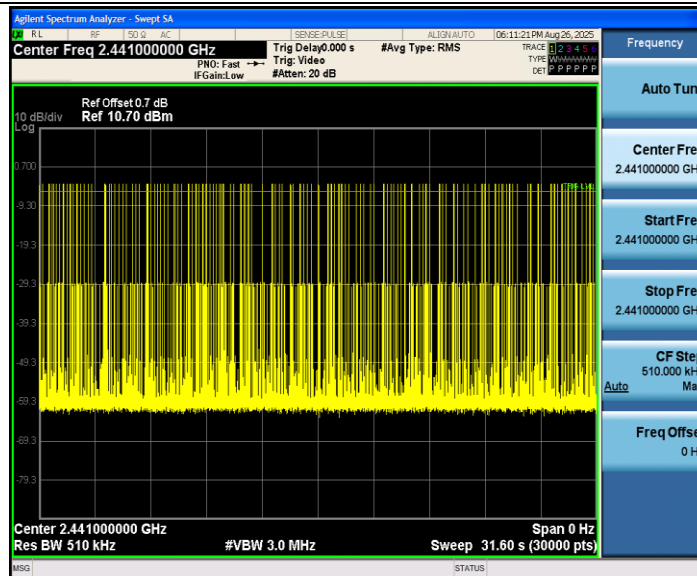
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	316	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.640	163	0.267	≤0.4	PASS
DH5	Ant1	Hop	2.890	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.400	318	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	109	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.400	318	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.650	158	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.900	100	0.29	≤0.4	PASS

Test Graphs

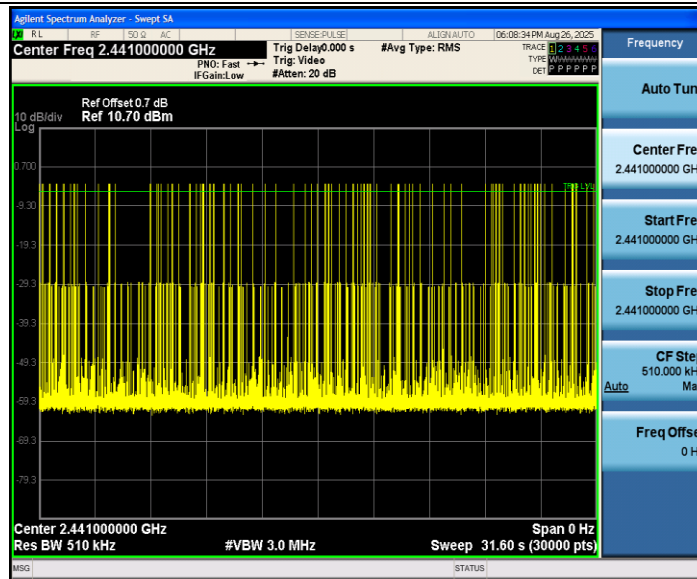


DH3_Ant1_Hop

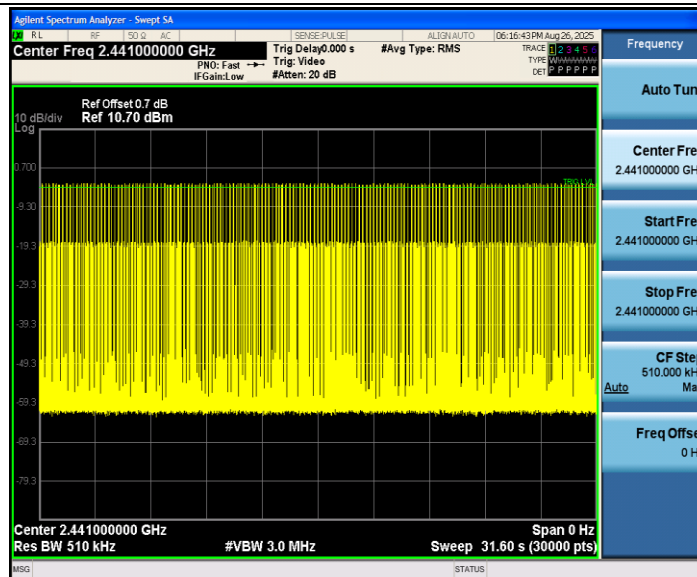
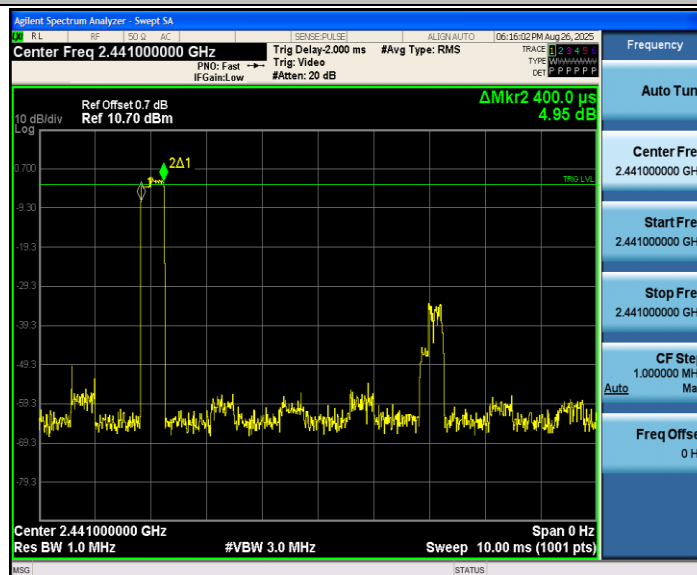


DH5_Ant1_Hop

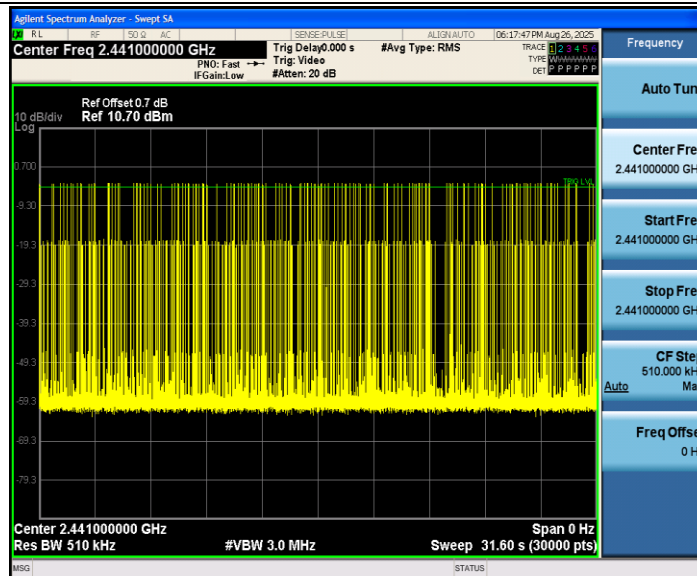
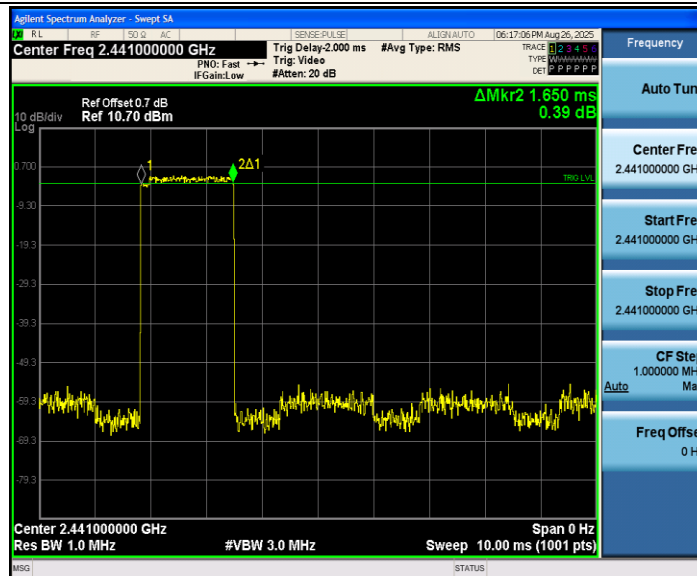




2DH1_Ant1_Hop

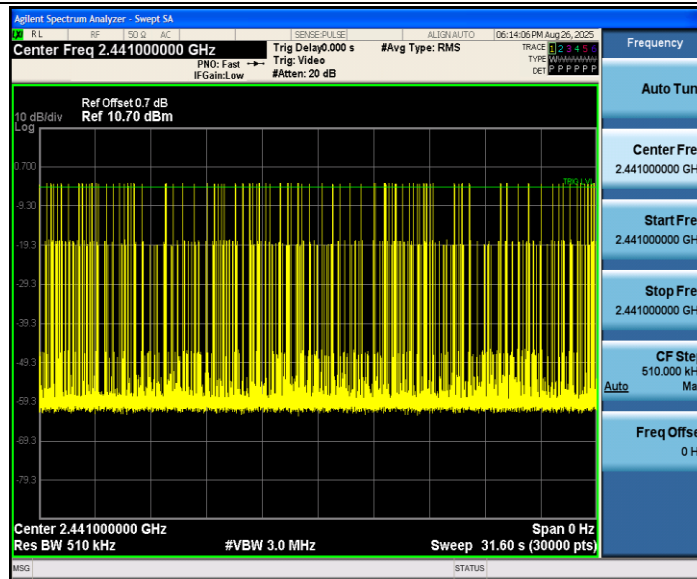


2DH3_Ant1_Hop

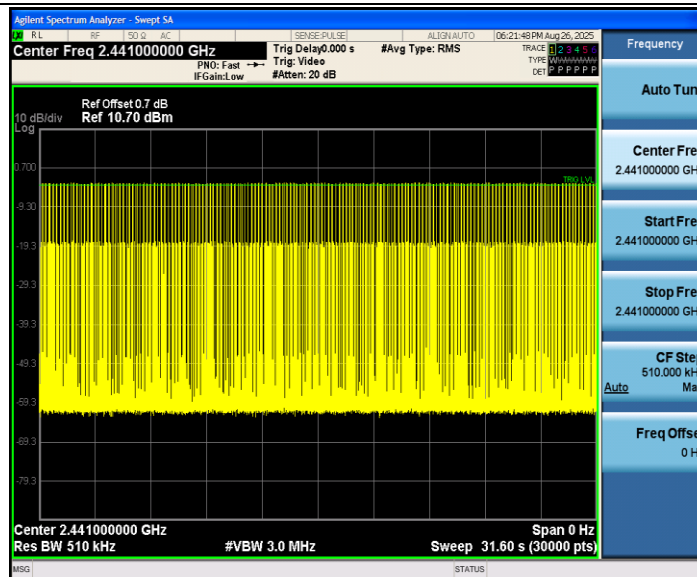
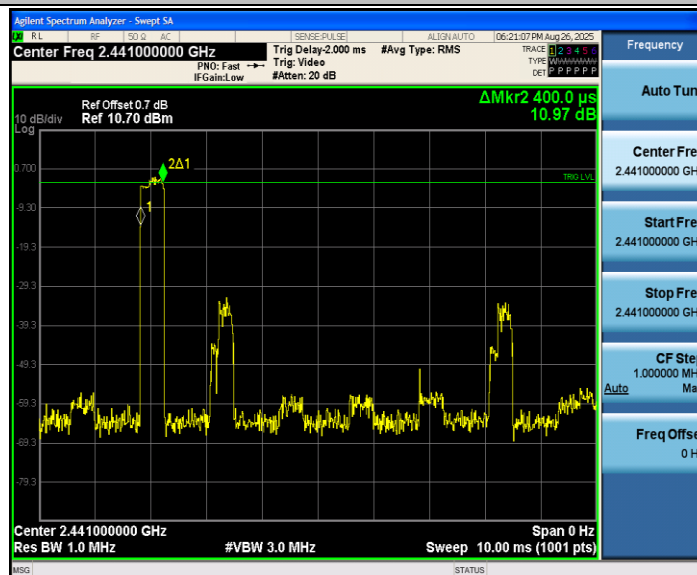


2DH5_Ant1_Hop

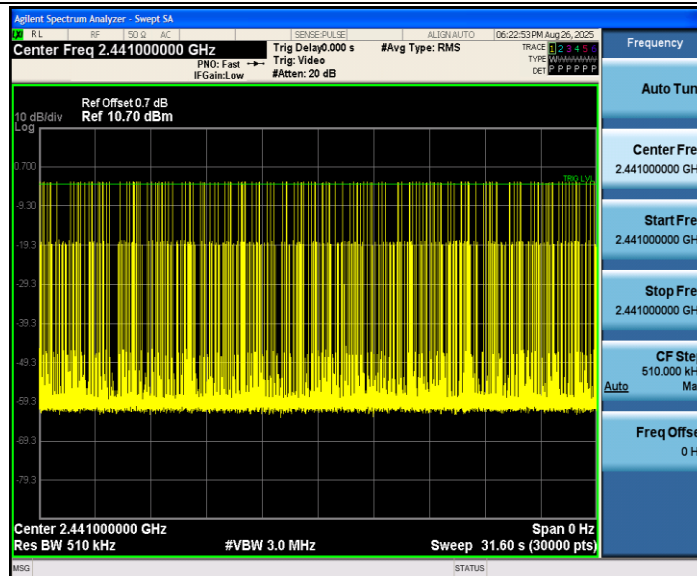
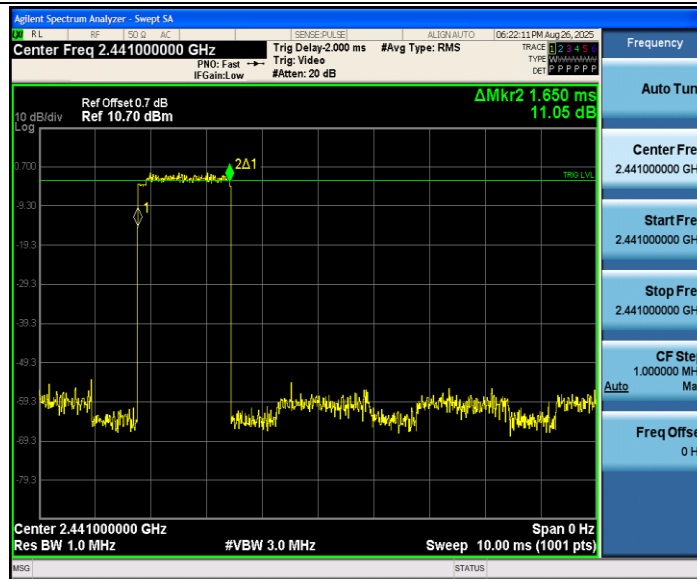




3DH1_Ant1_Hop

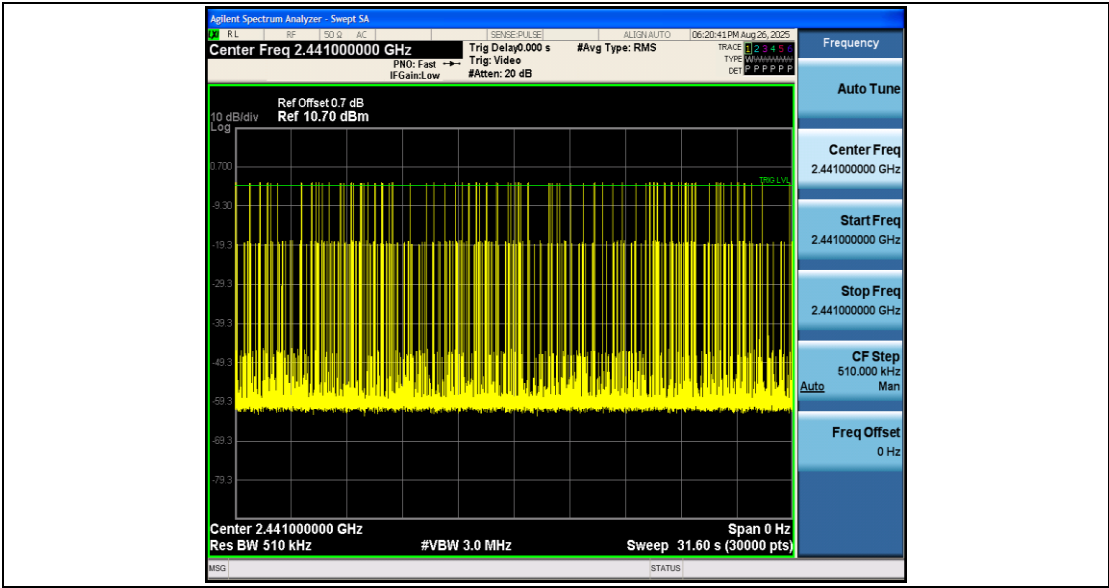


3DH3_Ant1_Hop



3DH5_Ant1_Hop



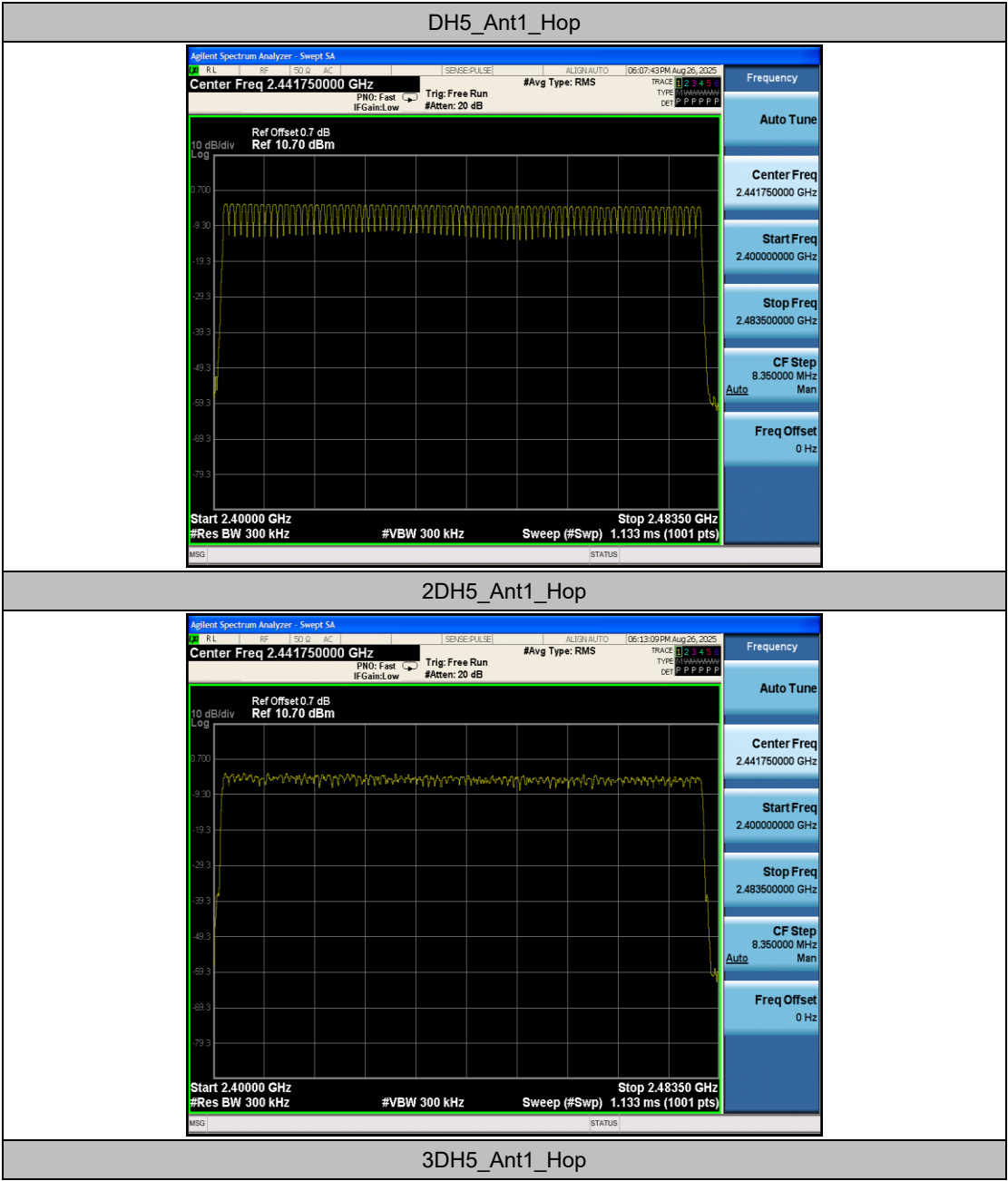


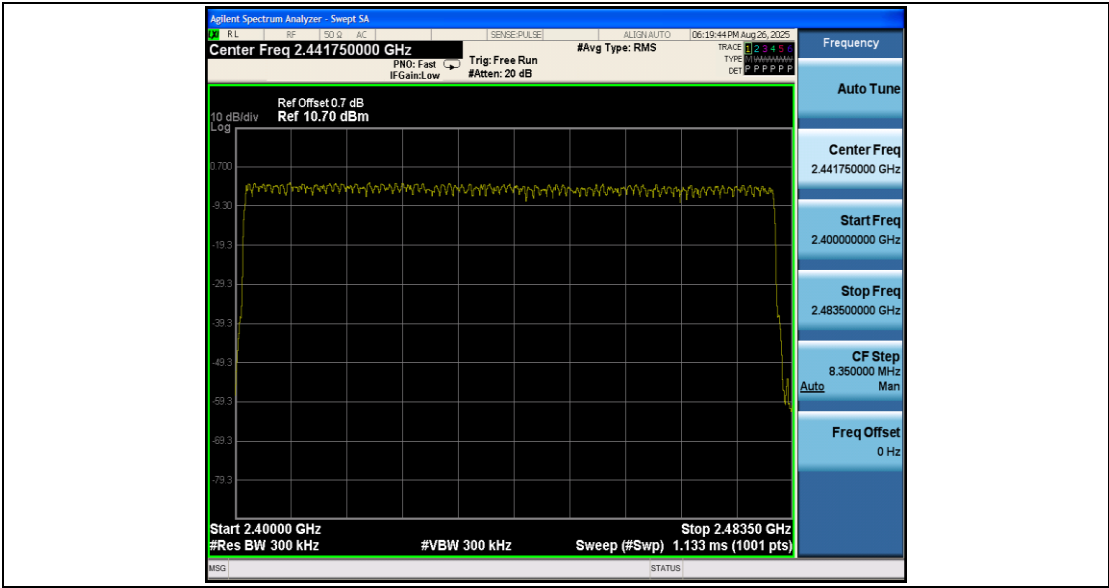
Appendix F: Number of hopping channels

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



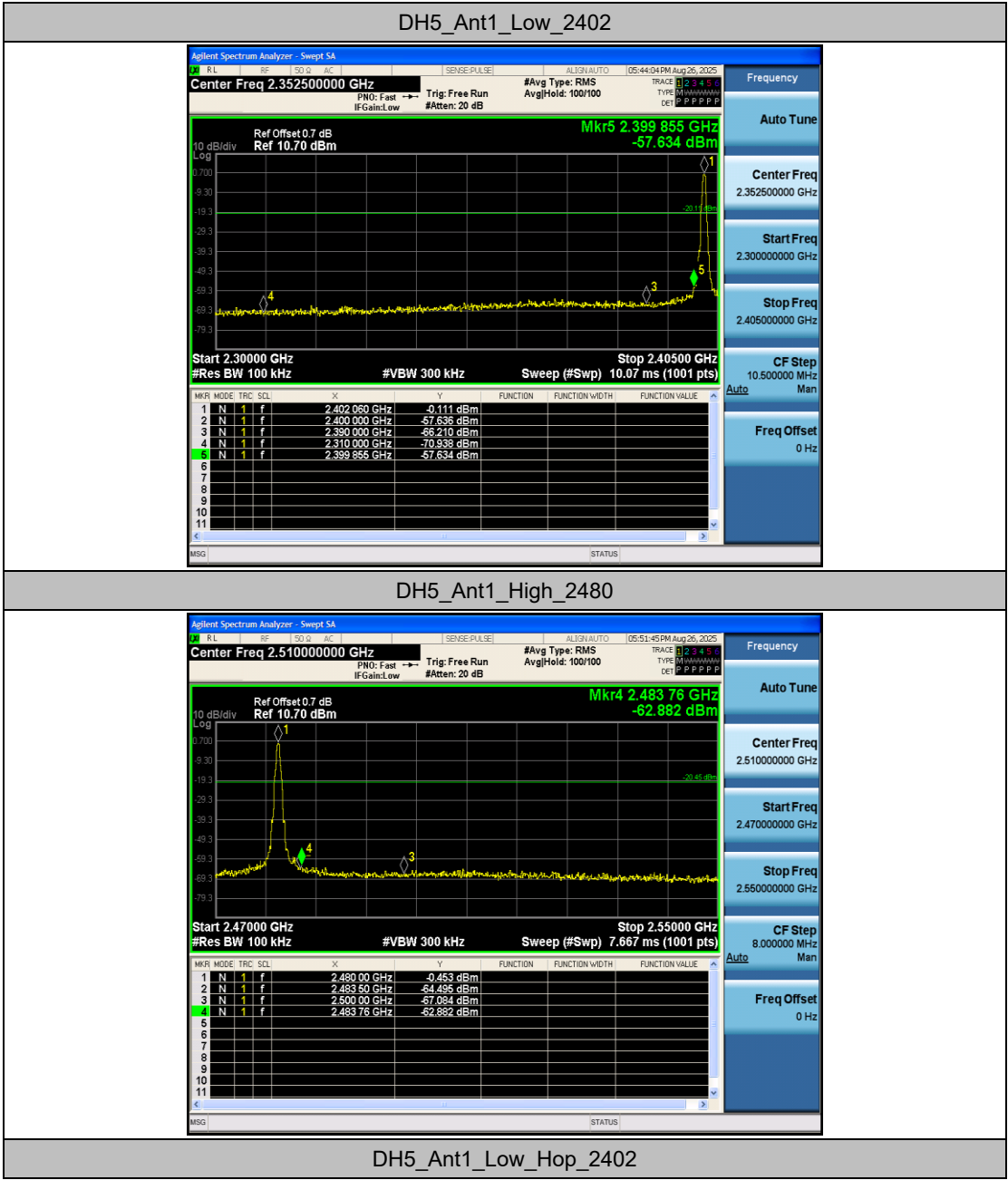


Appendix G: Band edge measurements

Test Result

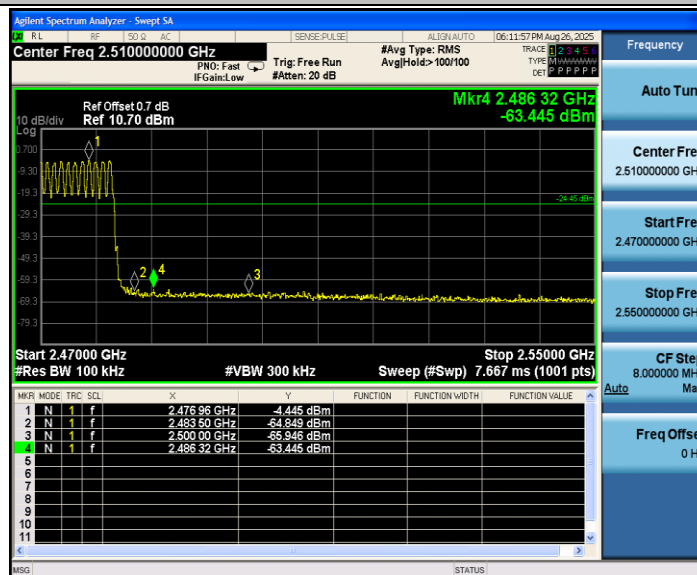
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.11	-57.63	≤-20.11	PASS
		High	2480	-0.45	-62.88	≤-20.45	PASS
		Low	Hop_2402	-4.26	-63.17	≤-24.26	PASS
		High	Hop_2480	-4.45	-63.45	≤-24.45	PASS
2DH5	Ant1	Low	2402	-3.35	-60.56	≤-23.35	PASS
		High	2480	-4.22	-60.25	≤-24.22	PASS
		Low	Hop_2402	-4.86	-56.12	≤-24.86	PASS
		High	Hop_2480	-4.05	-64.15	≤-24.05	PASS
3DH5	Ant1	Low	2402	-4.44	-60.36	≤-24.44	PASS
		High	2480	-5.13	-64.23	≤-25.13	PASS
		Low	Hop_2402	-3.36	-62.38	≤-23.36	PASS
		High	Hop_2480	-4.51	-63.09	≤-24.51	PASS

Test Graphs

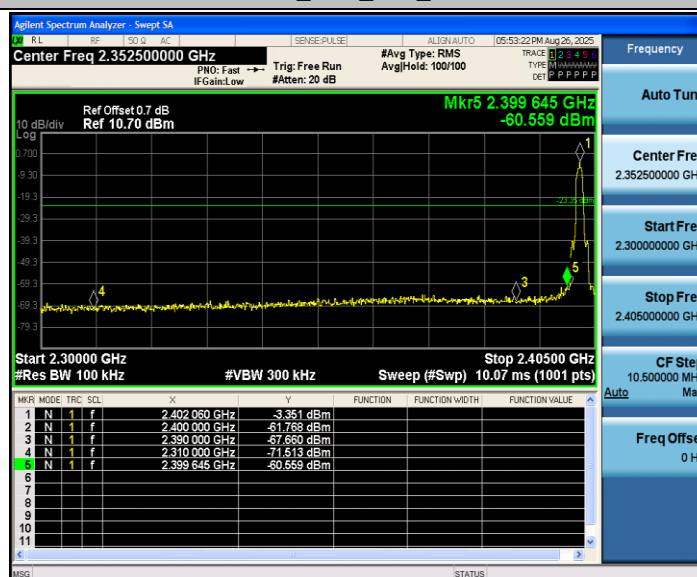




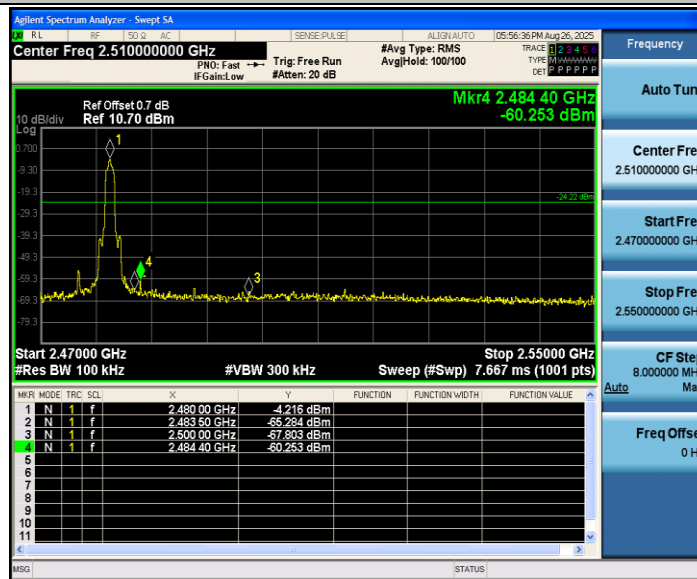
DH5_Ant1_High_Hop_2480



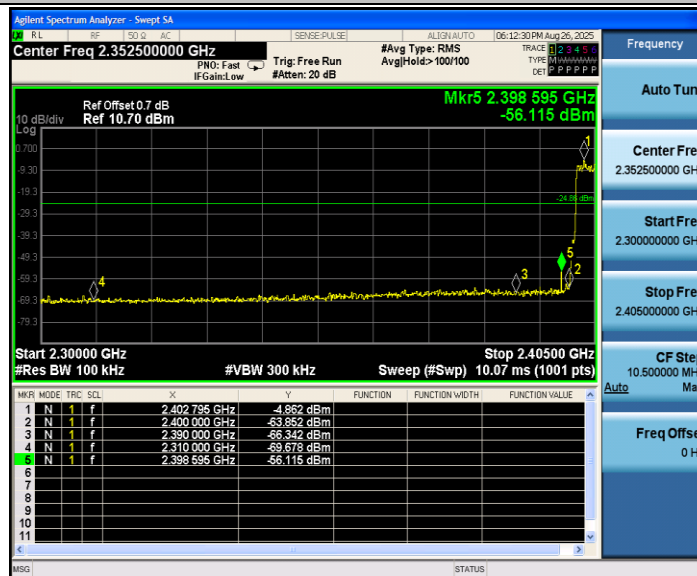
2DH5_Ant1_Low_2402



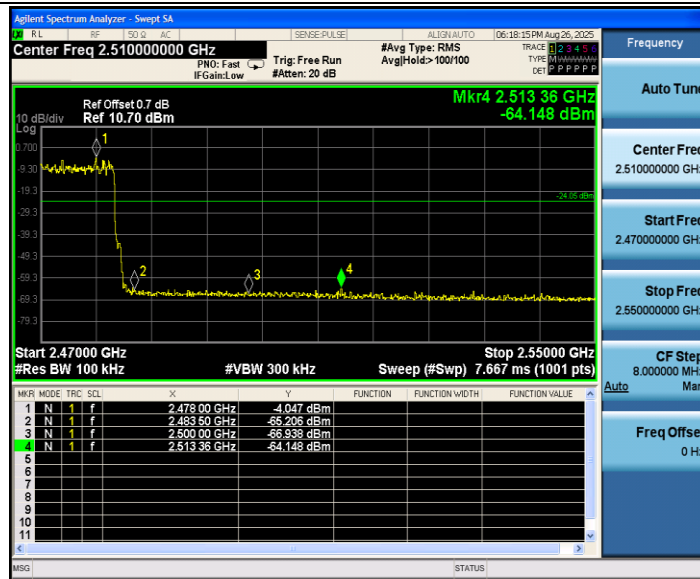
2DH5_Ant1_High_2480



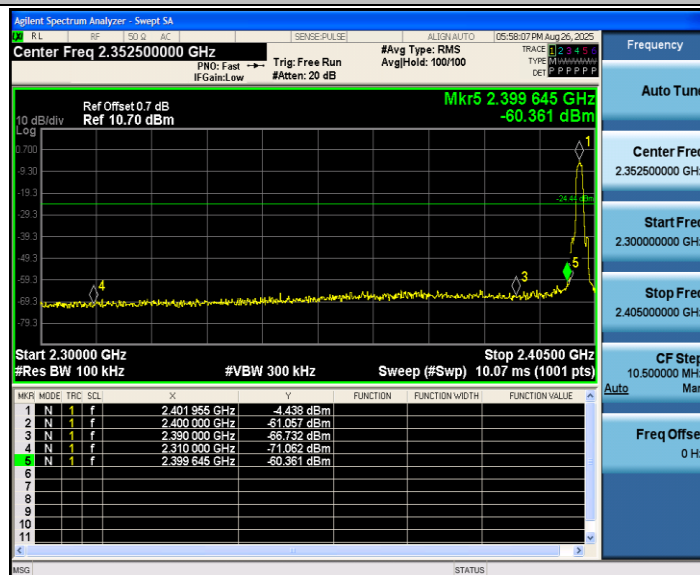
2DH5_Ant1_Low_Hop_2402



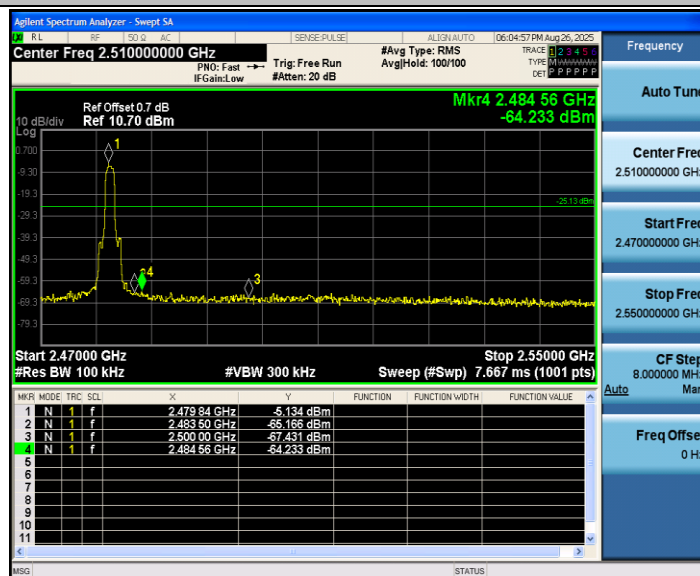
2DH5_Ant1_High_Hop_2480



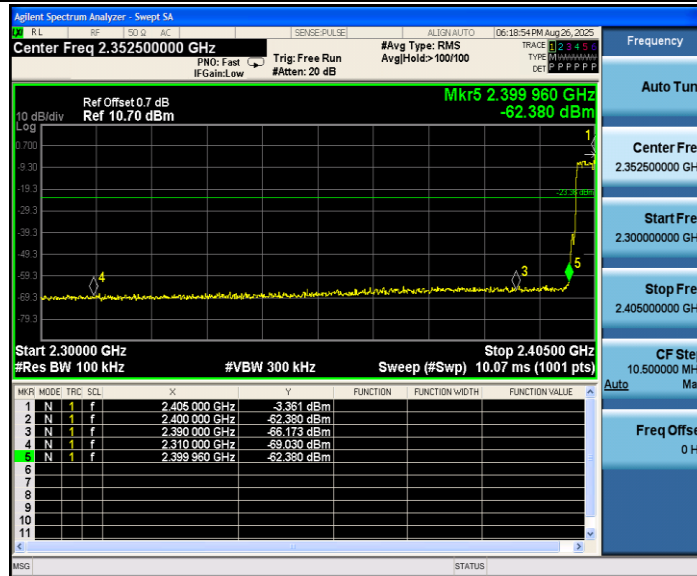
3DH5_Ant1_Low_2402



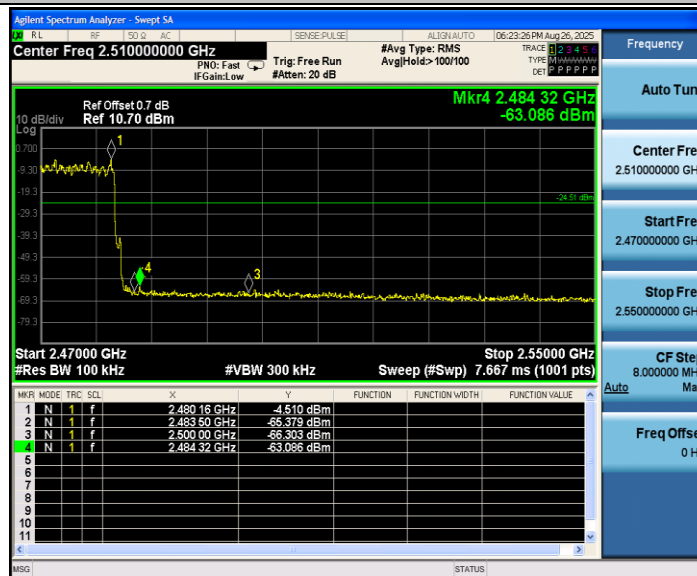
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

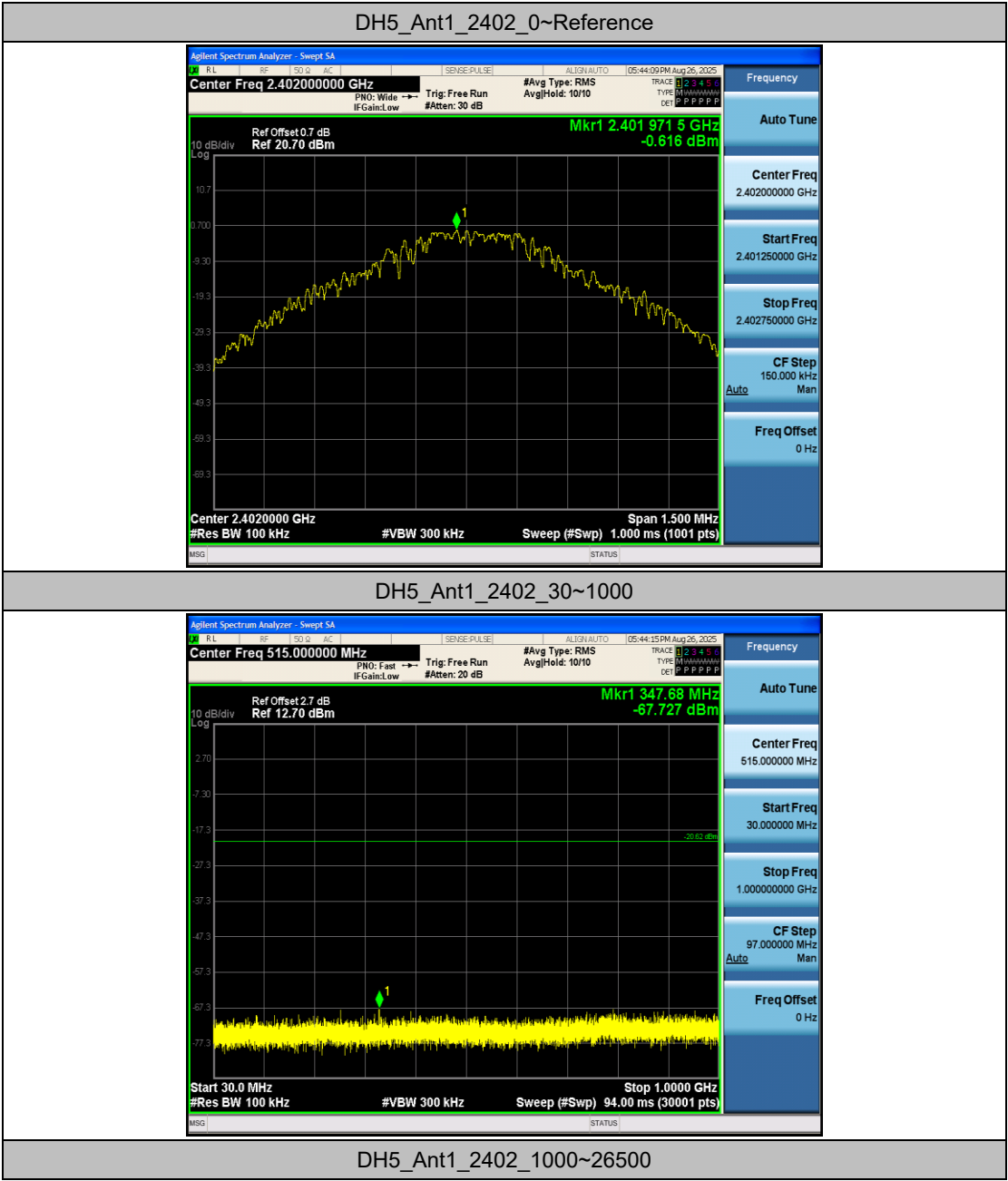


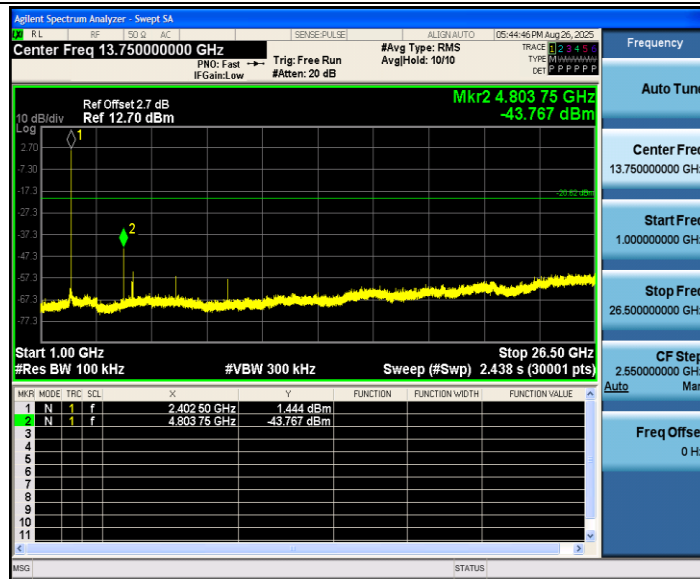
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.62	-0.62	---	PASS
			30~1000	-0.62	-67.73	≤-20.62	PASS
			1000~26500	-0.62	-43.77	≤-20.62	PASS
		2441	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-67.7	≤-21.46	PASS
			1000~26500	-1.46	-43.57	≤-21.46	PASS
		2480	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-67.51	≤-21.61	PASS
			1000~26500	-1.61	-42.15	≤-21.61	PASS
2DH5	Ant1	2402	Reference	-5.03	-5.03	---	PASS
			30~1000	-5.03	-67.12	≤-25.03	PASS
			1000~26500	-5.03	-49.72	≤-25.03	PASS
		2441	Reference	-4.72	-4.72	---	PASS
			30~1000	-4.72	-67.71	≤-24.72	PASS
			1000~26500	-4.72	-45.41	≤-24.72	PASS
		2480	Reference	-6.63	-6.63	---	PASS
			30~1000	-6.63	-67.39	≤-26.63	PASS
			1000~26500	-6.63	-47.11	≤-26.63	PASS
3DH5	Ant1	2402	Reference	-3.25	-3.25	---	PASS
			30~1000	-3.25	-67.74	≤-23.25	PASS
			1000~26500	-3.25	-48.52	≤-23.25	PASS
		2441	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-68.38	≤-25.4	PASS
			1000~26500	-5.40	-47.13	≤-25.4	PASS
		2480	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-68.22	≤-24.77	PASS
			1000~26500	-4.77	-48.34	≤-24.77	PASS

Test Graphs

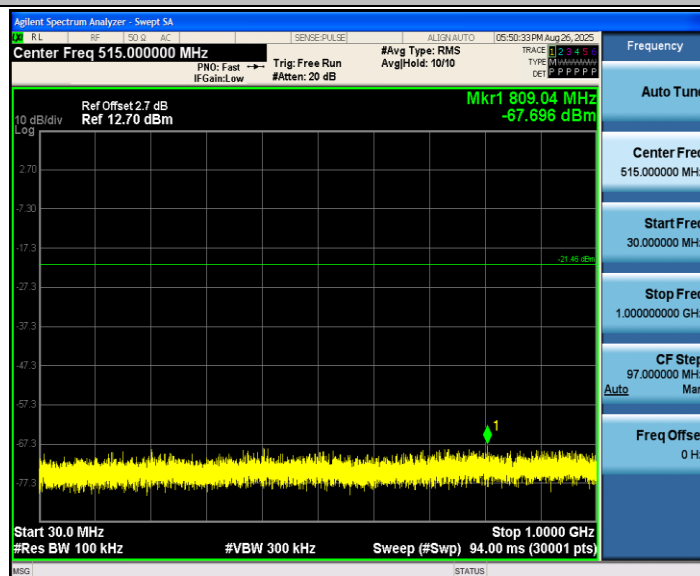




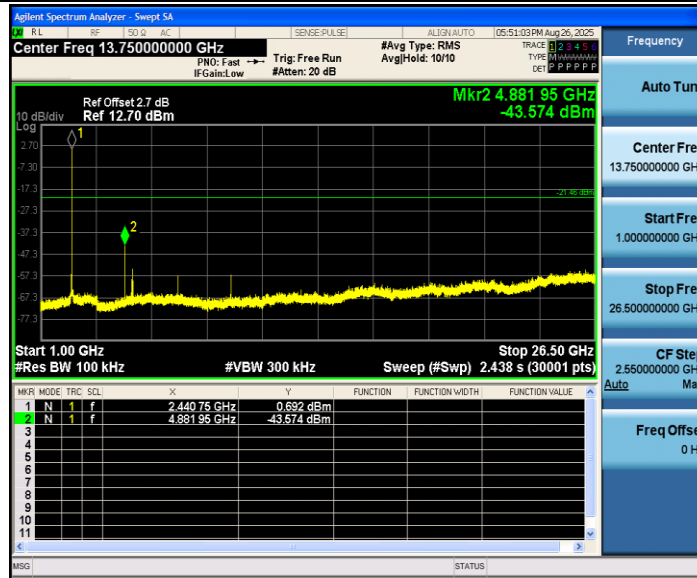
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



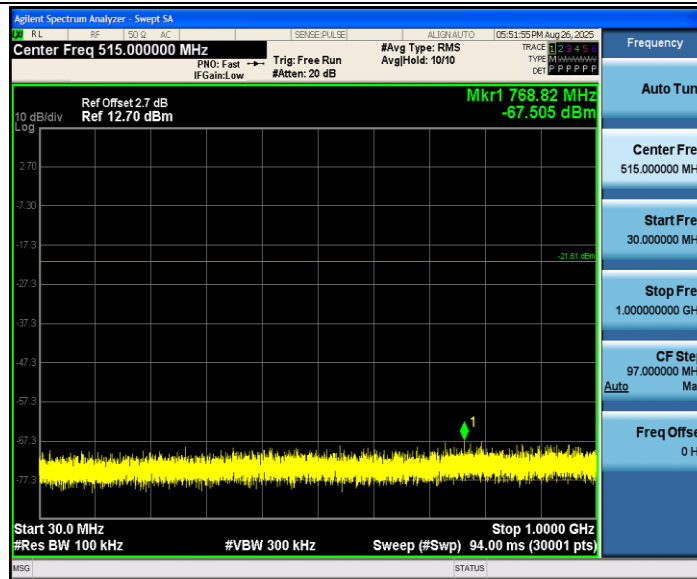
DH5_Ant1_2441_1000~26500



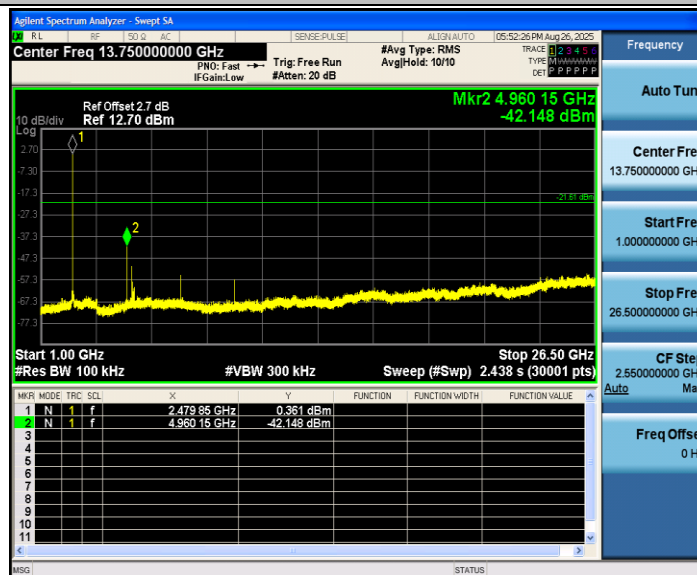
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

