

FCC Appendix RF Test Data for BT

FCC ID : **HQXTT-05VCI**

Company : **Sysgration Ltd.**

EUT : **Vehicle Communication Interface(VCI)**

Model Number : **TT-05 VCI**

Report No. : **CTA26060301402**

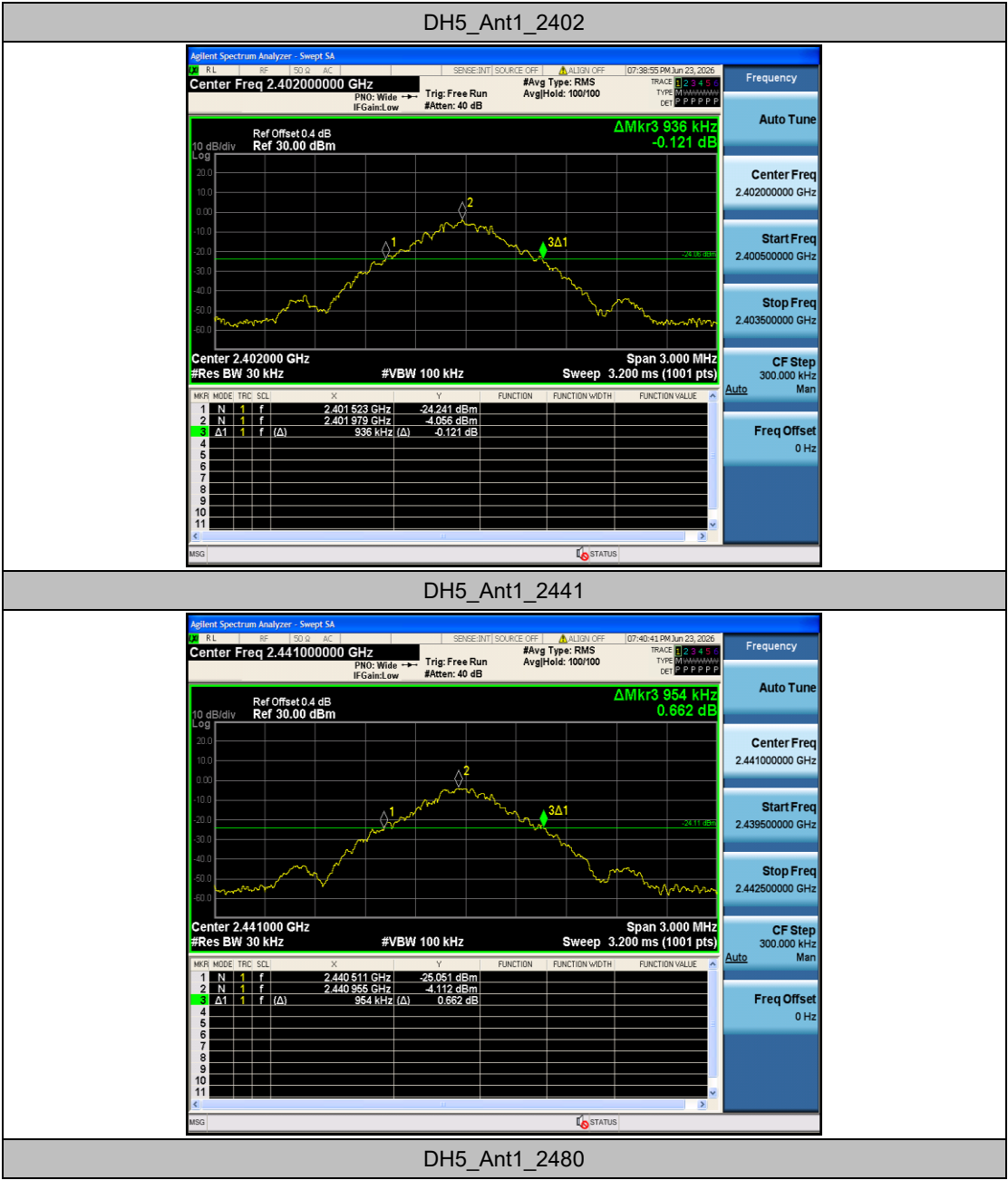
Reviewed By : **Eric Wang**

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.936	2401.523	2402.459	---	---
		2441	0.954	2440.511	2441.465	---	---
		2480	0.954	2479.514	2480.468	---	---
2DH5	Ant1	2402	1.326	2401.310	2402.636	---	---
		2441	1.314	2440.319	2441.633	---	---
		2480	1.320	2479.316	2480.636	---	---
3DH5	Ant1	2402	1.266	2401.358	2402.624	---	---
		2441	1.248	2440.373	2441.621	---	---
		2480	1.269	2479.370	2480.639	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

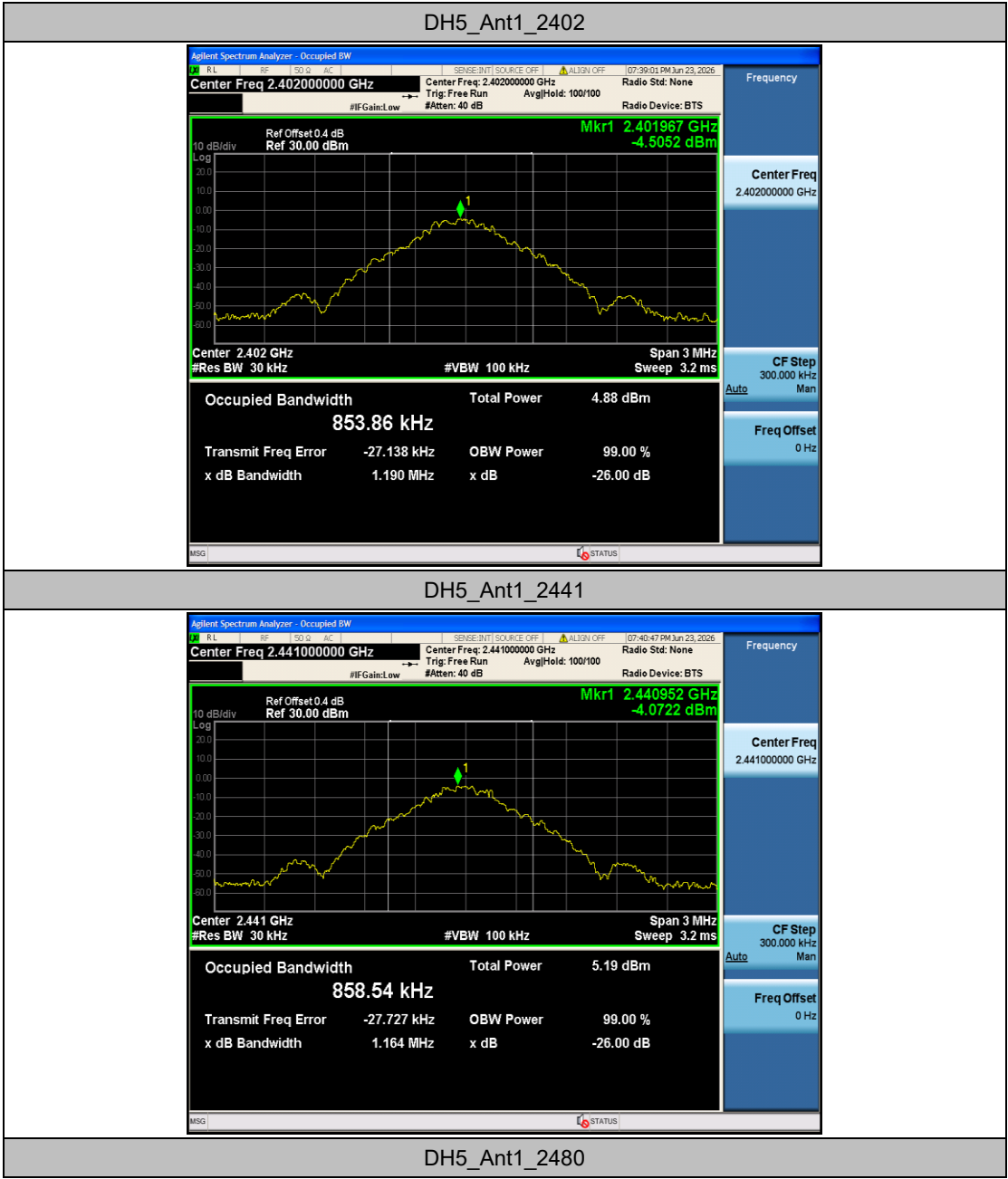


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85386	2401.5459	2402.3998	---	---
		2441	0.85854	2440.5430	2441.4015	---	---
		2480	0.85769	2479.5437	2480.4014	---	---
2DH5	Ant1	2402	1.1764	2401.3894	2402.5658	---	---
		2441	1.1862	2440.3828	2441.5690	---	---
		2480	1.1868	2479.3817	2480.5685	---	---
3DH5	Ant1	2402	1.1890	2401.3808	2402.5698	---	---
		2441	1.1899	2440.3849	2441.5748	---	---
		2480	1.1649	2479.3985	2480.5634	---	---

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

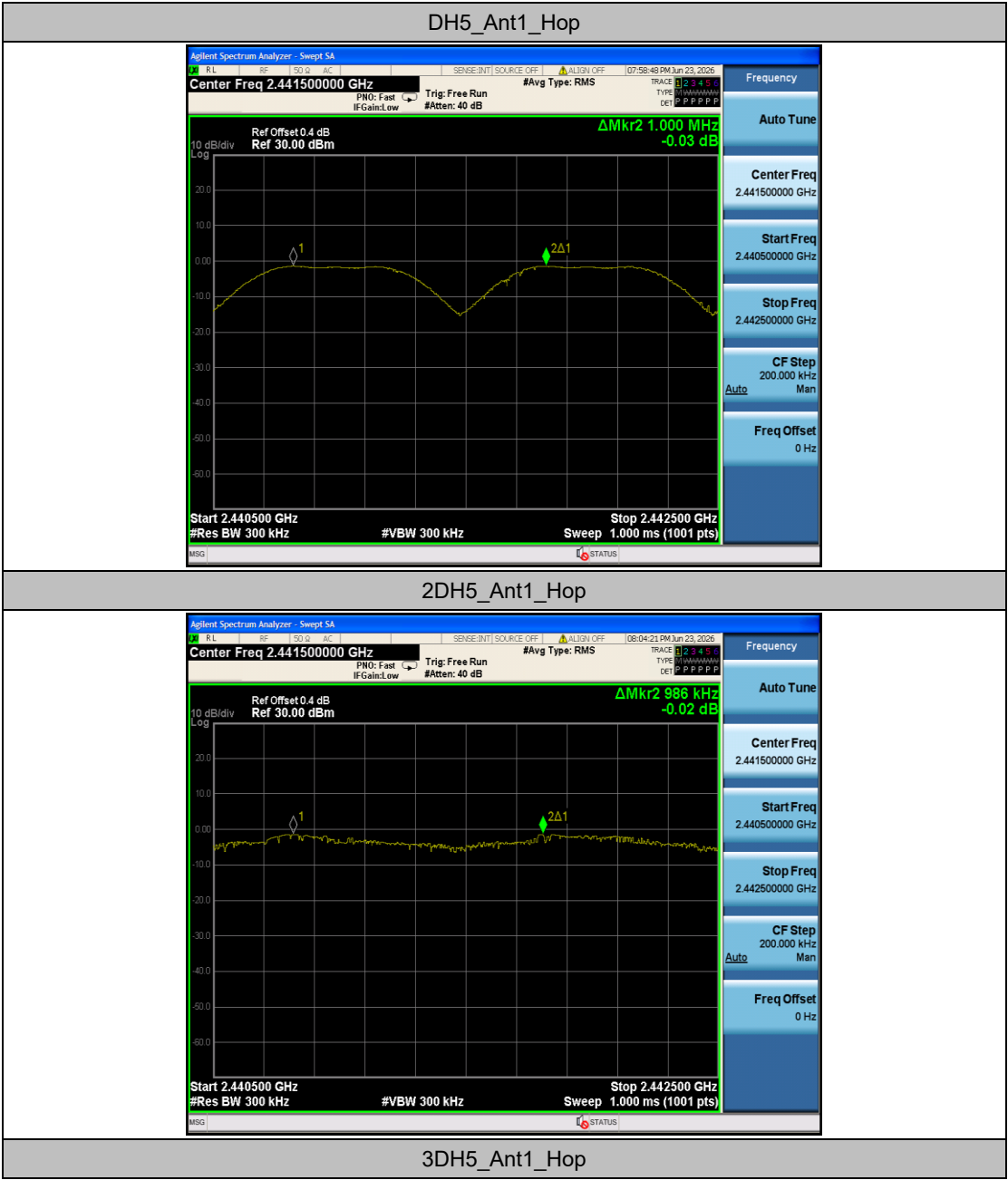
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.85	≤20.97	PASS
		2441	-1.39	≤20.97	PASS
		2480	-1.06	≤20.97	PASS
2DH5	Ant1	2402	-0.99	≤20.97	PASS
		2441	-0.57	≤20.97	PASS
		2480	-0.20	≤20.97	PASS
3DH5	Ant1	2402	-0.82	≤20.97	PASS
		2441	-0.39	≤20.97	PASS
		2480	0.02	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.00	≥ 0.954	PASS
2DH5	Ant1	Hop	0.986	≥ 0.884	PASS
3DH5	Ant1	Hop	1.166	≥ 0.846	PASS

Test Graphs



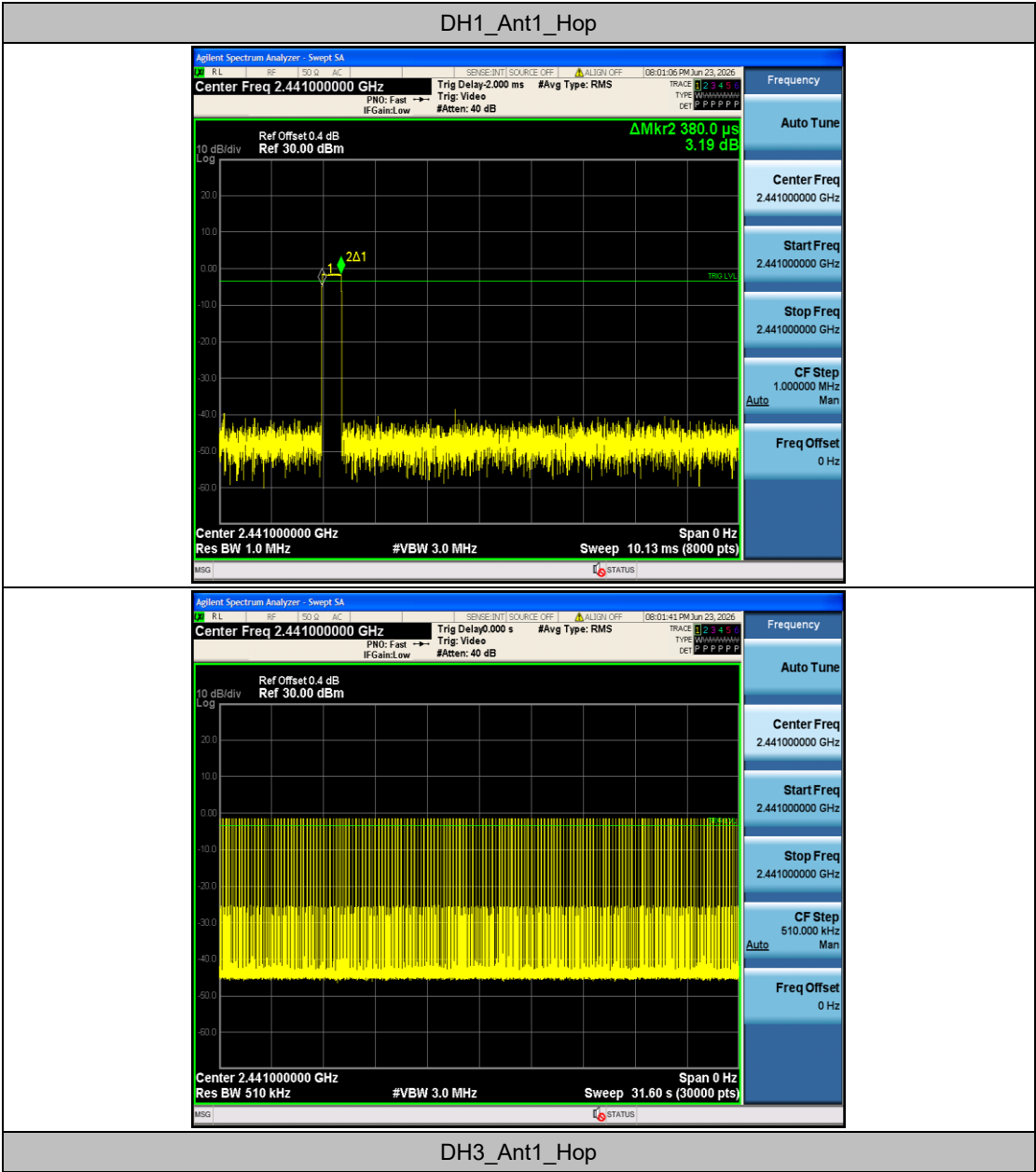


Appendix E: Time of occupancy

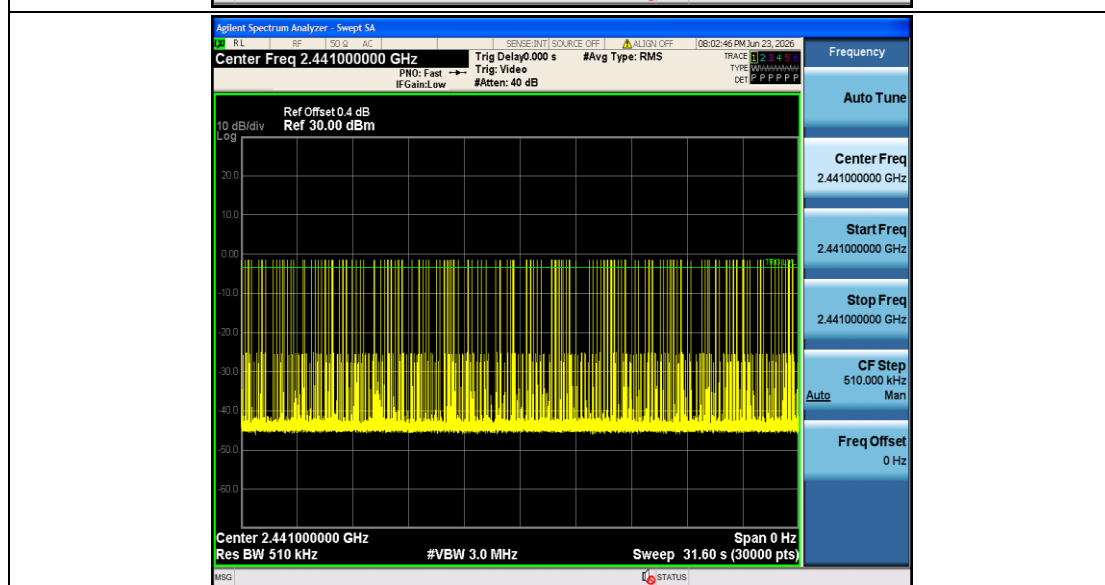
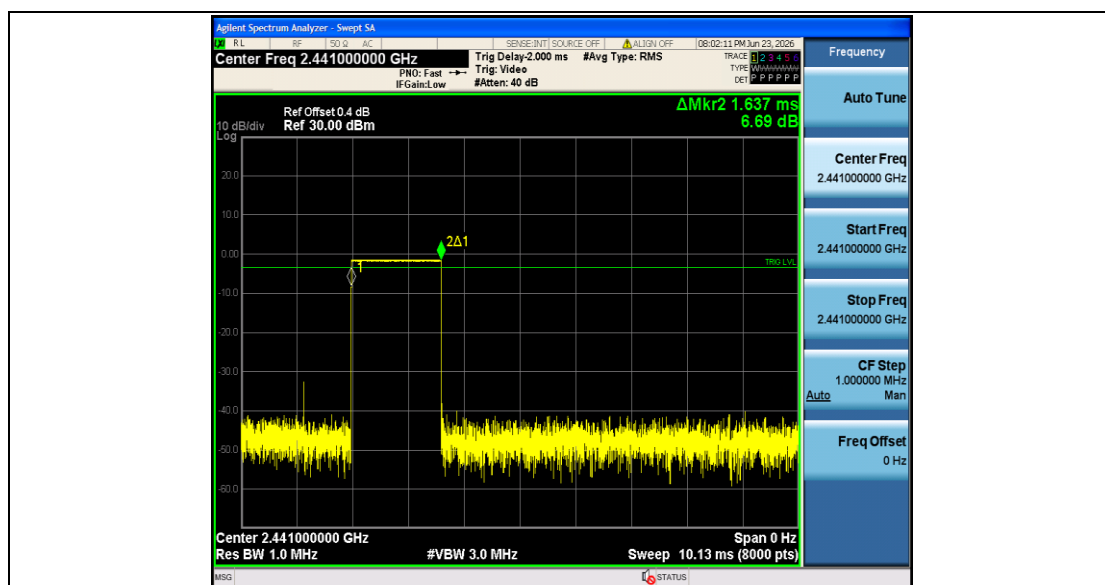
Test Result

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	1.637	166	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.884	108	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.643	164	0.269	≤0.4	PASS
2DH5	Ant1	Hop	2.891	108	0.312	≤0.4	PASS
3DH1	Ant1	Hop	6.665	50	0.333	≤0.4	PASS
3DH3	Ant1	Hop	0.650	151	0.098	≤0.4	PASS
3DH5	Ant1	Hop	0.894	106	0.095	≤0.4	PASS

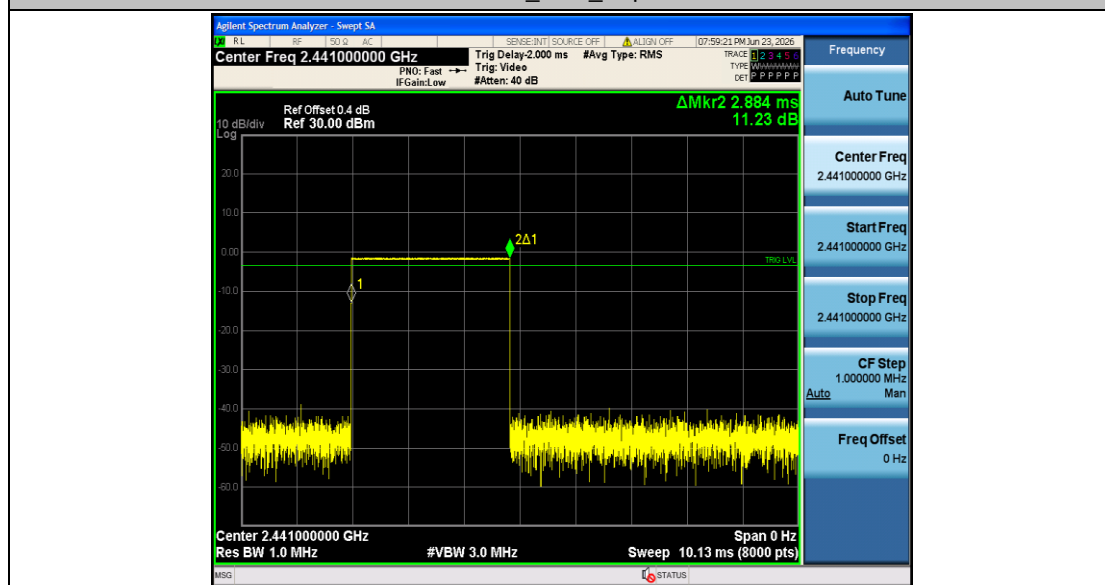
Test Graphs

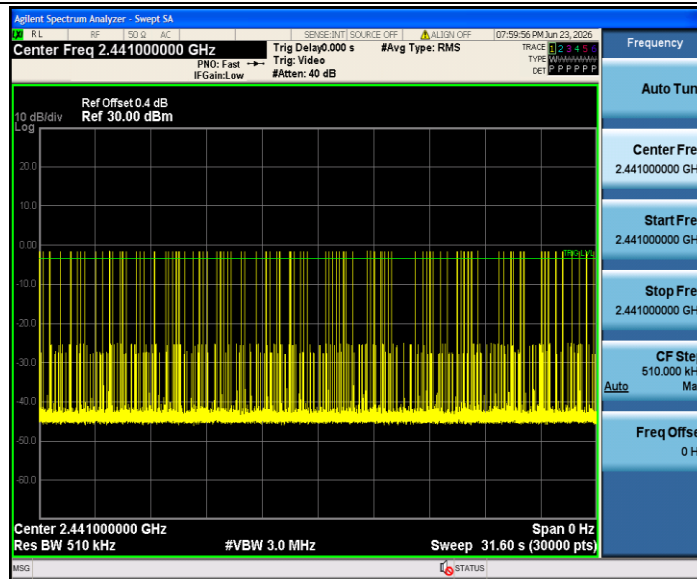


DH3_Ant1_Hop

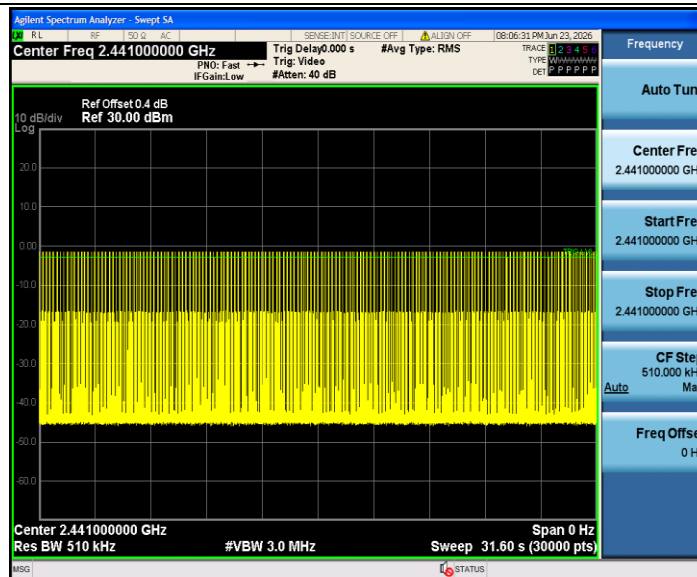
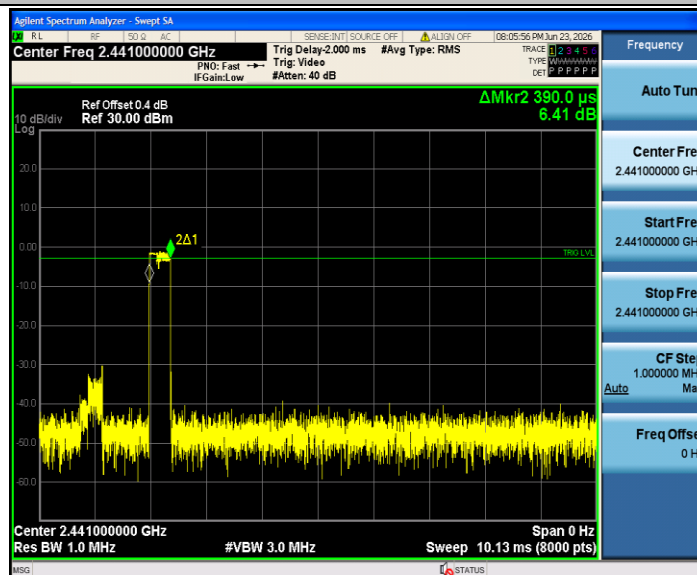


DH5_Ant1_Hop

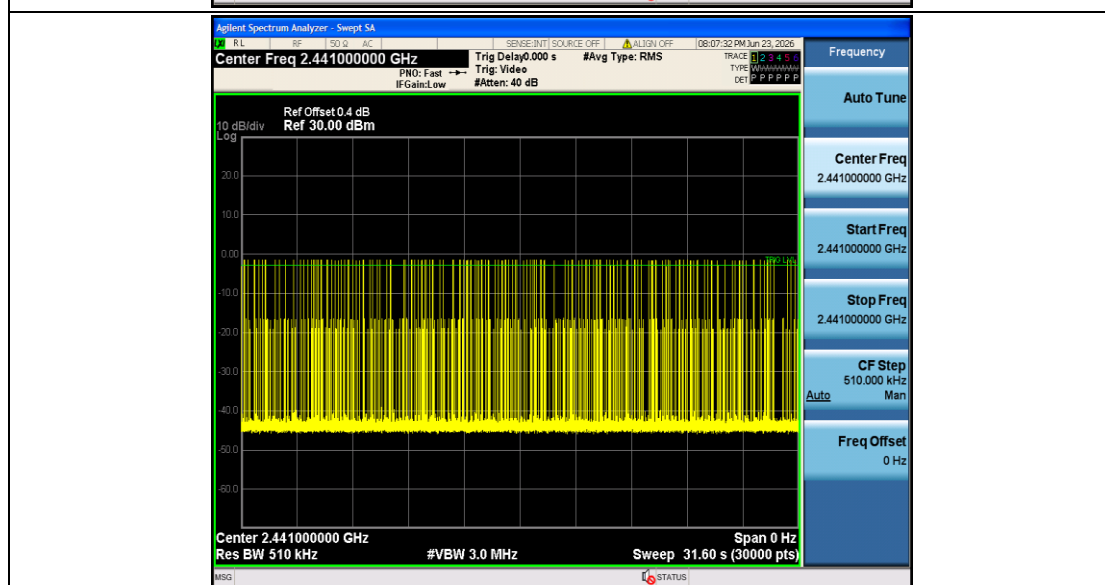
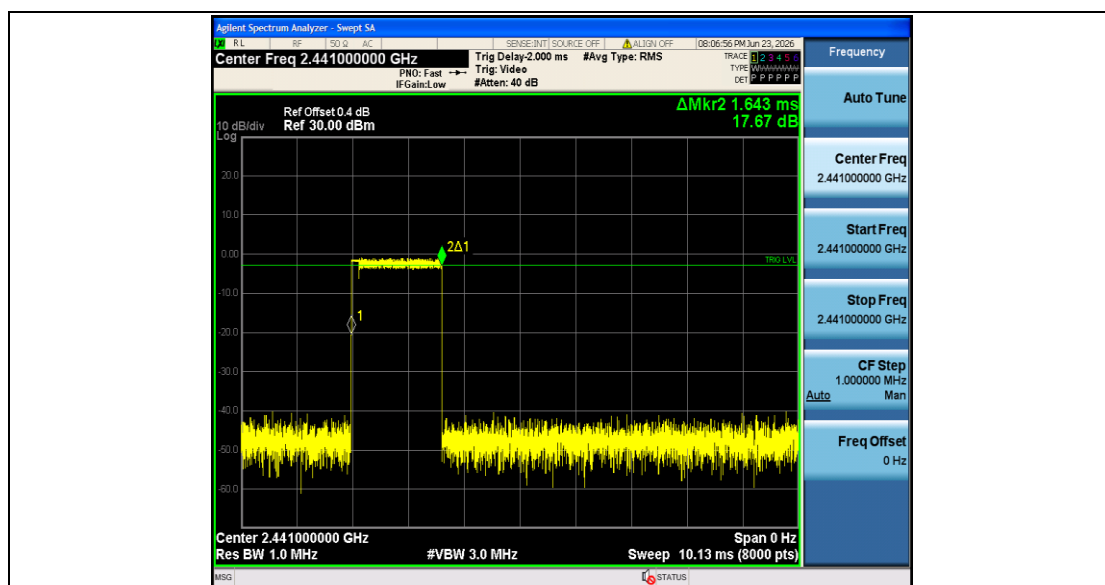




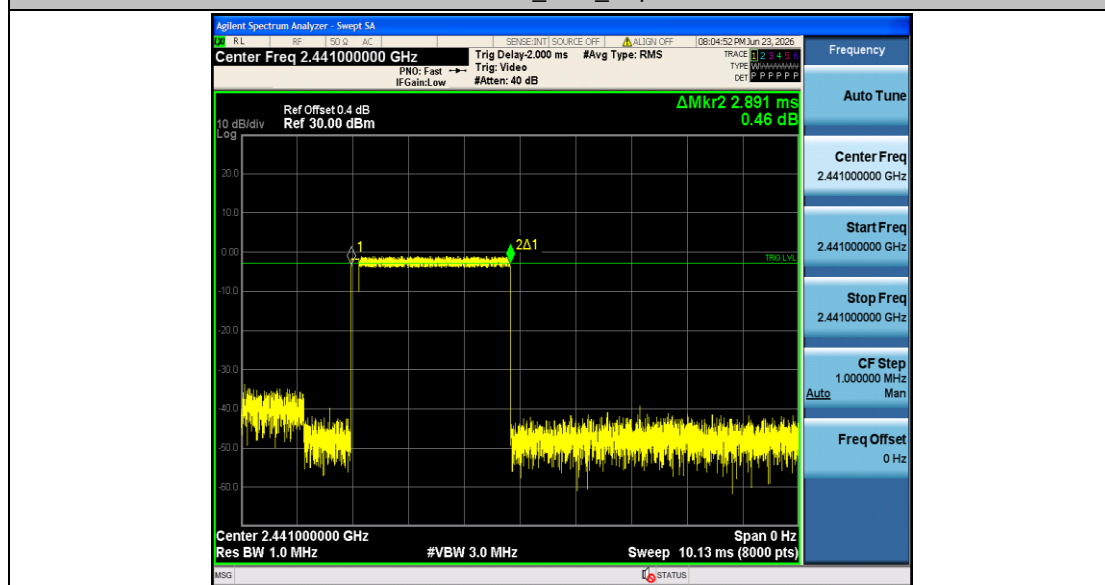
2DH1_Ant1_Hop

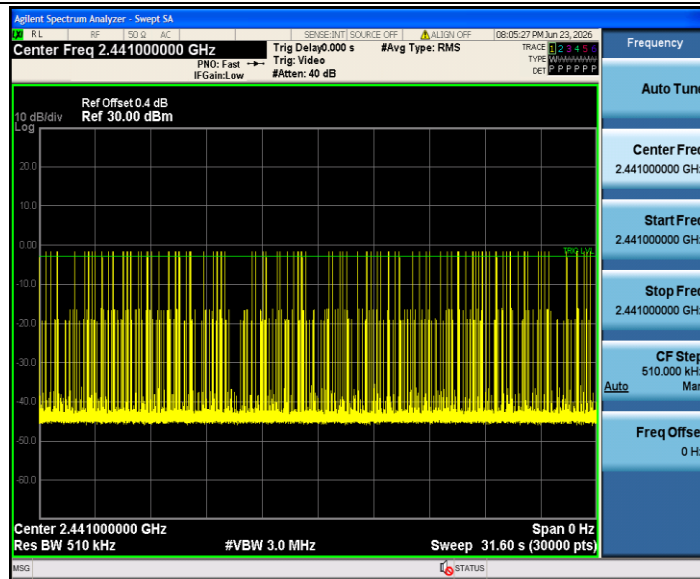


2DH3_Ant1_Hop

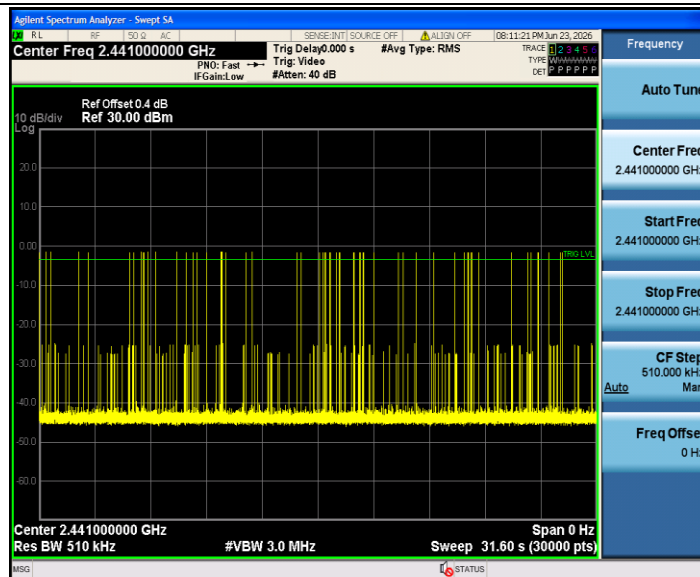
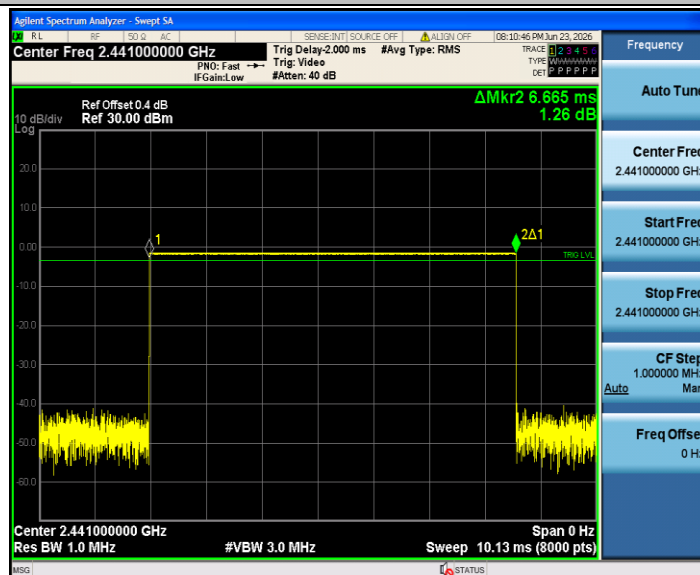


2DH5_Ant1_Hop

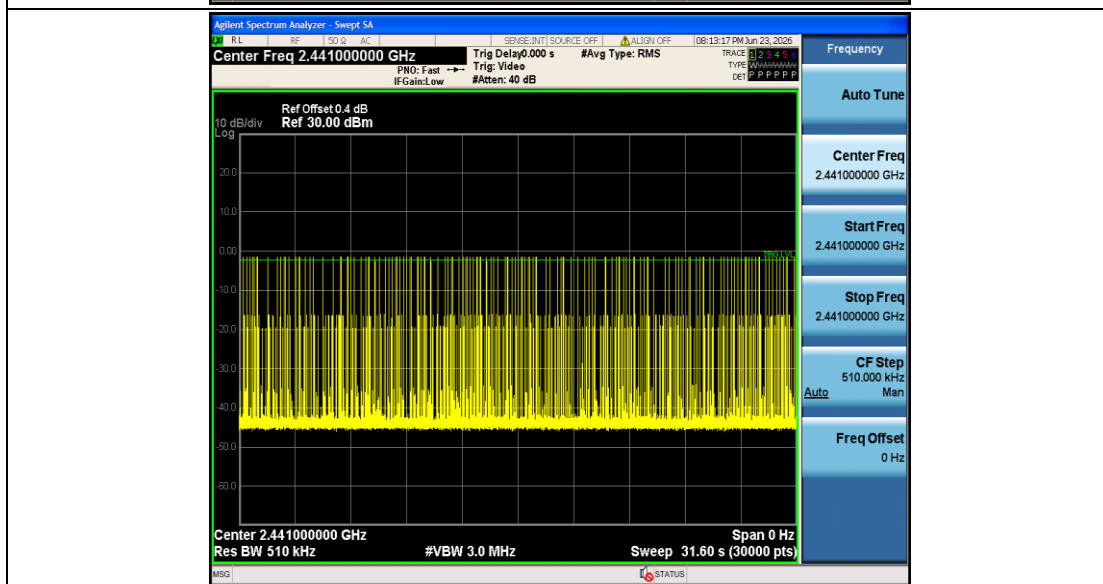
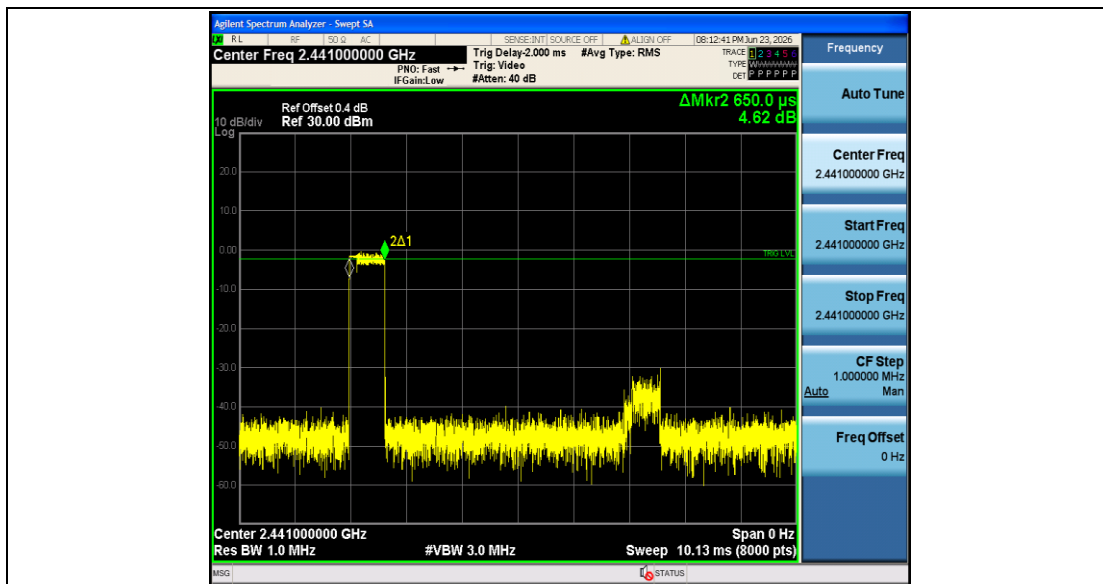




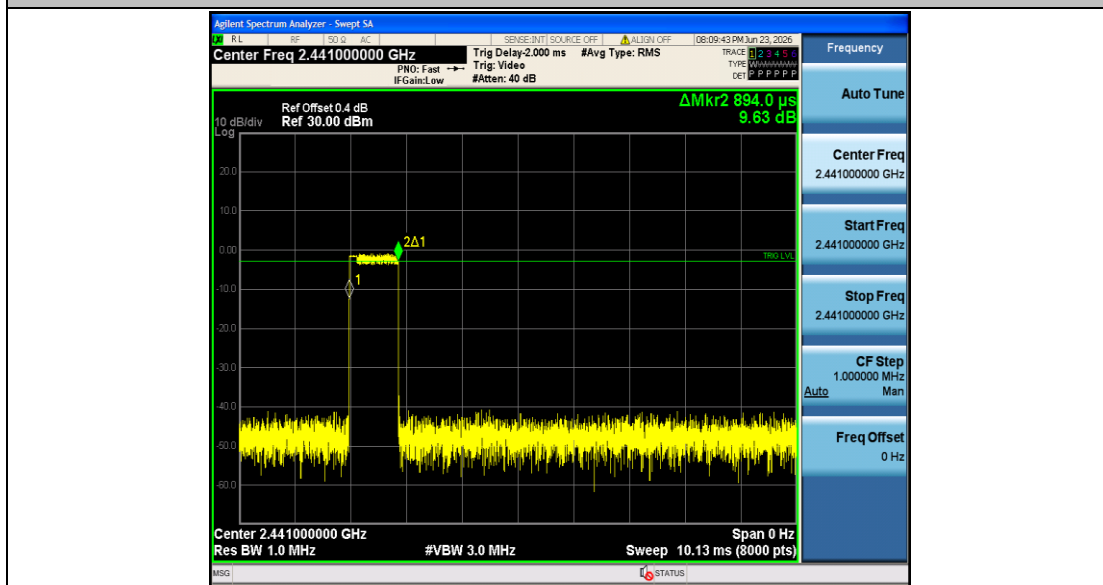
3DH1_Ant1_Hop

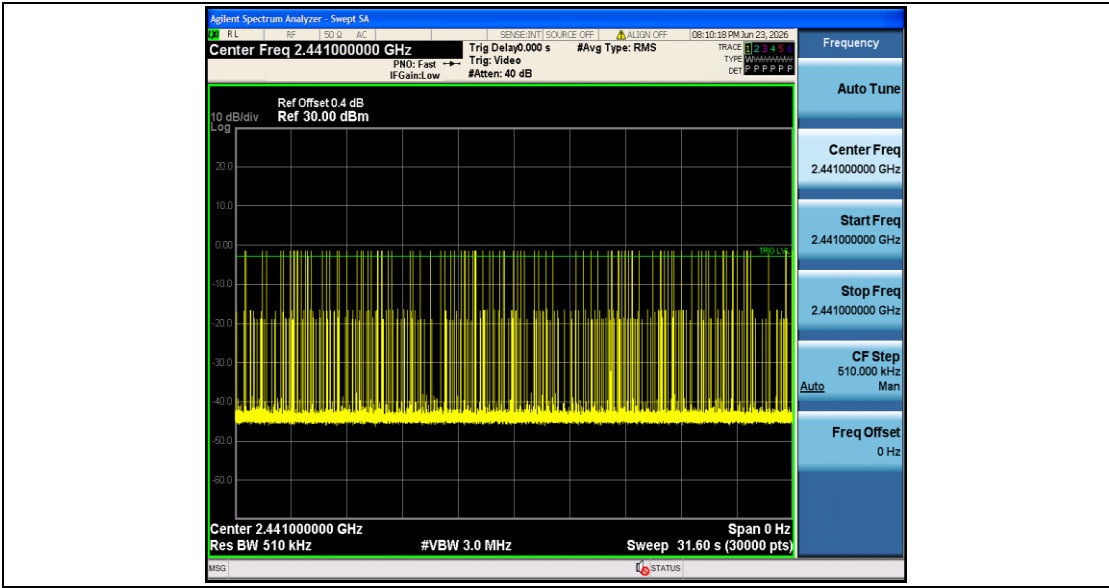


3DH3_Ant1_Hop



3DH5_Ant1_Hop



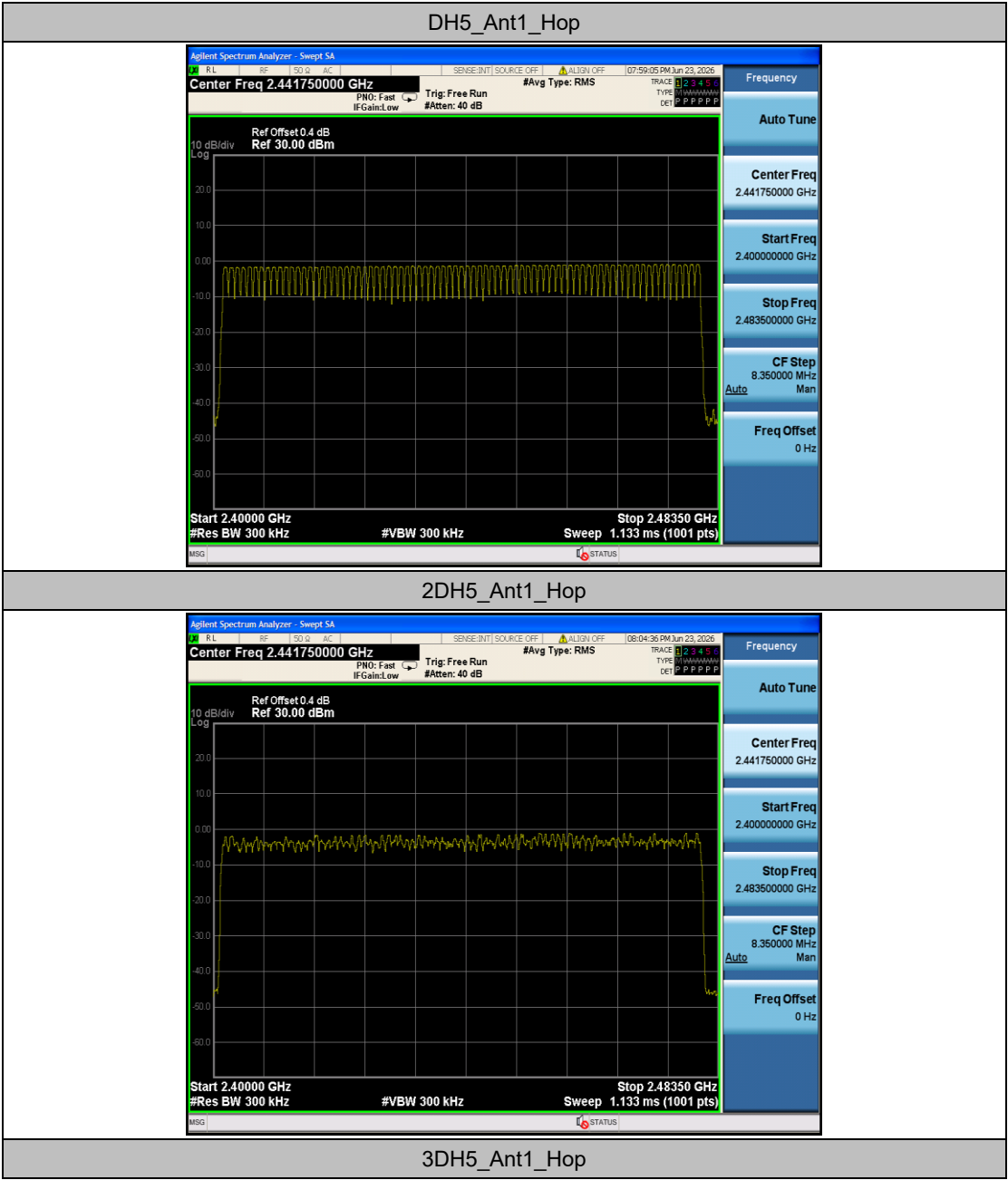


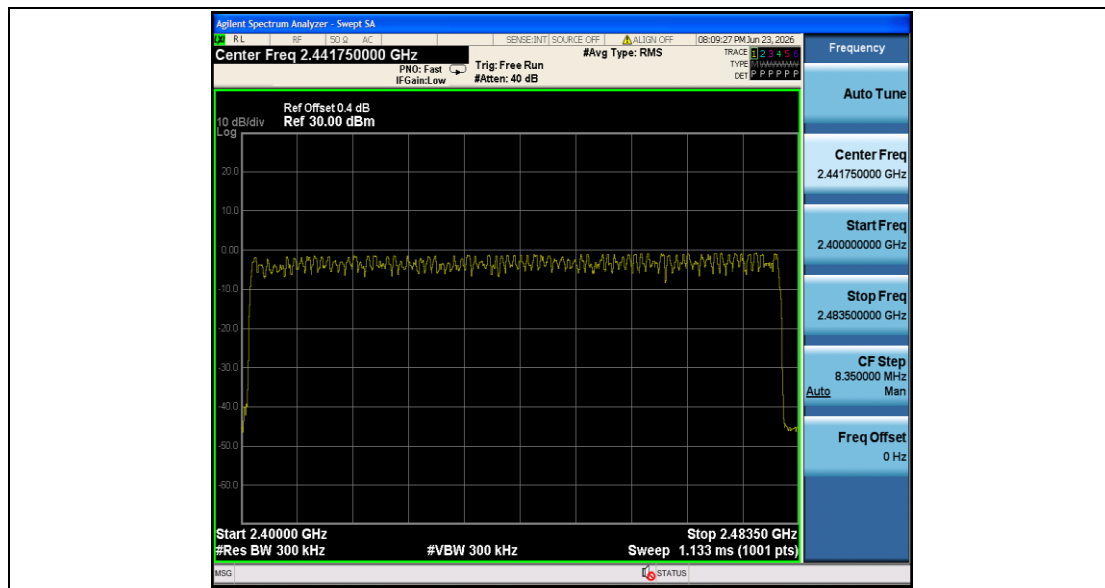
Appendix F: Number of hopping channels

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





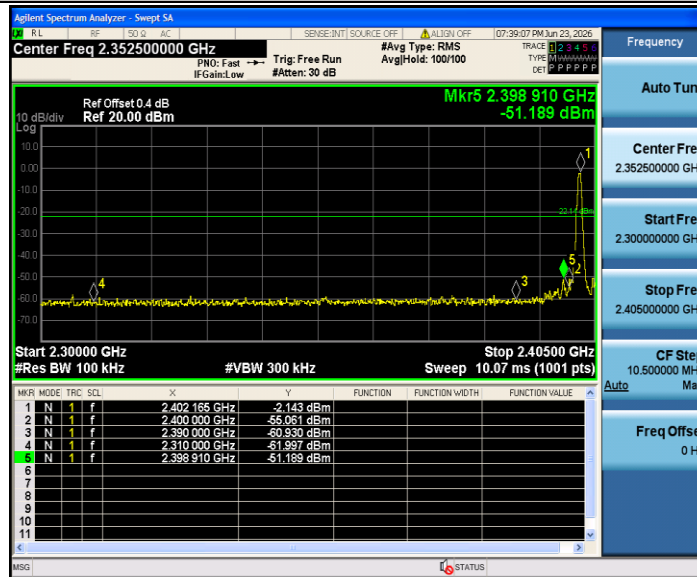
Appendix G: Band edge measurements

Test Result

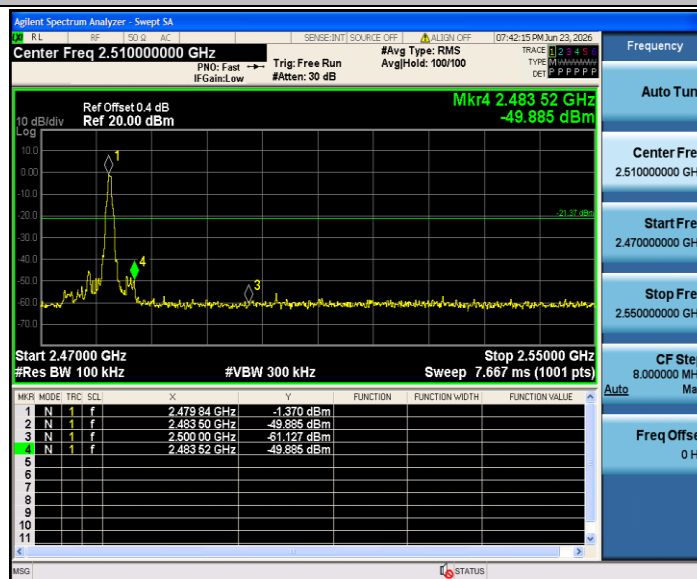
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.14	-51.19	≤-22.14	PASS
		High	2480	-1.37	-49.89	≤-21.37	PASS
		Low	Hop_2402	-2.14	-51.45	≤-22.14	PASS
		High	Hop_2480	-1.35	-45.96	≤-21.35	PASS
2DH5	Ant1	Low	2402	-3.12	-51.84	≤-23.12	PASS
		High	2480	-2.08	-49.67	≤-22.08	PASS
		Low	Hop_2402	-3.28	-53.37	≤-23.28	PASS
		High	Hop_2480	-3.37	-50.23	≤-23.37	PASS
3DH5	Ant1	Low	2402	-2.18	-52.75	≤-22.18	PASS
		High	2480	-1.80	-54.62	≤-21.8	PASS
		Low	Hop_2402	-5.54	-52.44	≤-25.54	PASS
		High	Hop_2480	-1.01	-48.84	≤-21.01	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402