

FCC Appendix RF Test Data for BT

FCC ID : **HQXTT-05**

Company : **Sysgration Ltd.**

EUT : **TPMS Programming Tool**

Model Number : **TT-05**

Report No. : **CTA26060301102**

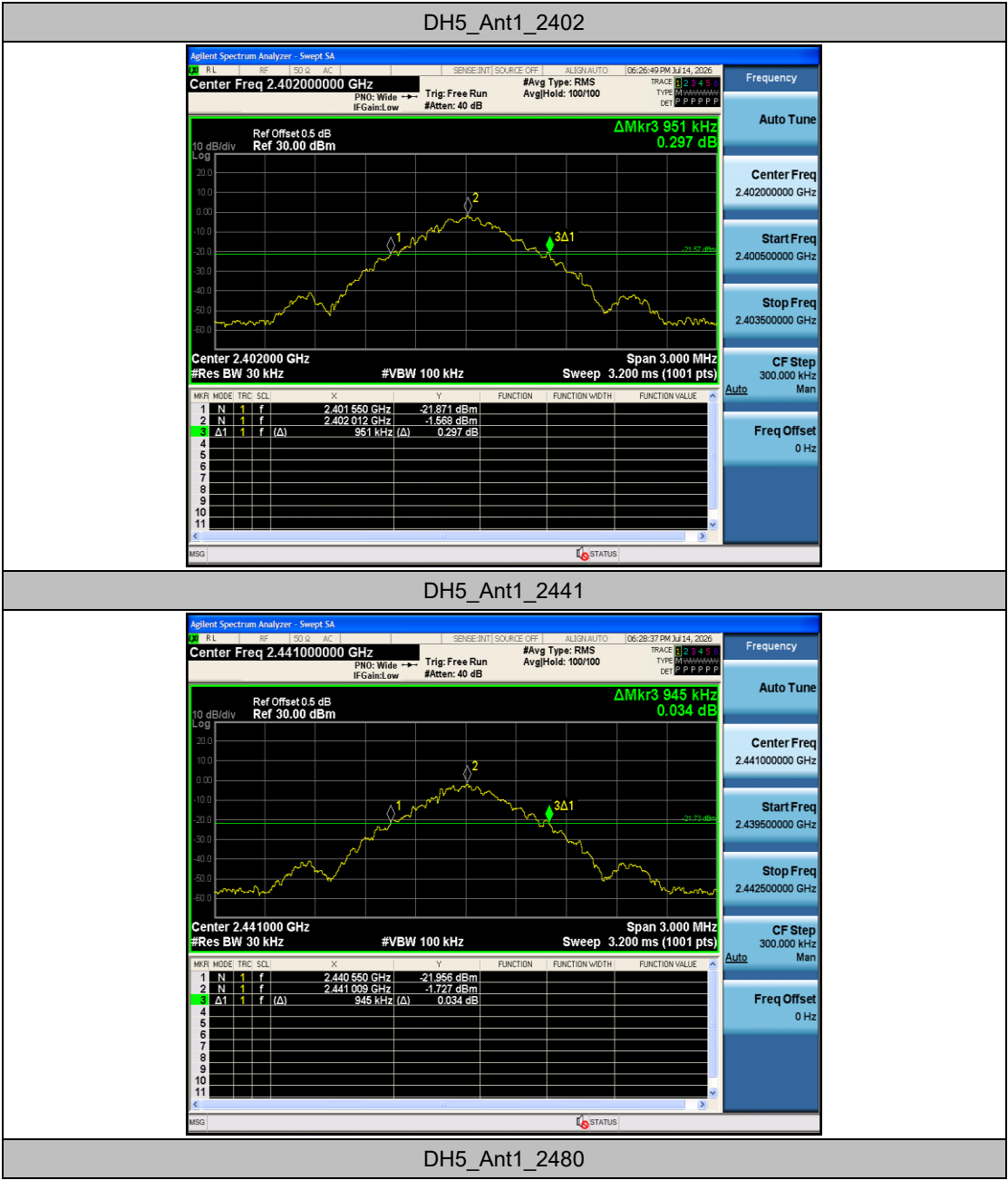
Reviewed By : **Eric Wang**

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.550	2402.501	---	---
		2441	0.945	2440.550	2441.495	---	---
		2480	0.966	2479.541	2480.507	---	---
2DH5	Ant1	2402	1.290	2401.376	2402.666	---	---
		2441	1.335	2440.340	2441.675	---	---
		2480	1.320	2479.349	2480.669	---	---
3DH5	Ant1	2402	1.293	2401.361	2402.654	---	---
		2441	1.296	2440.361	2441.657	---	---
		2480	1.305	2479.355	2480.660	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

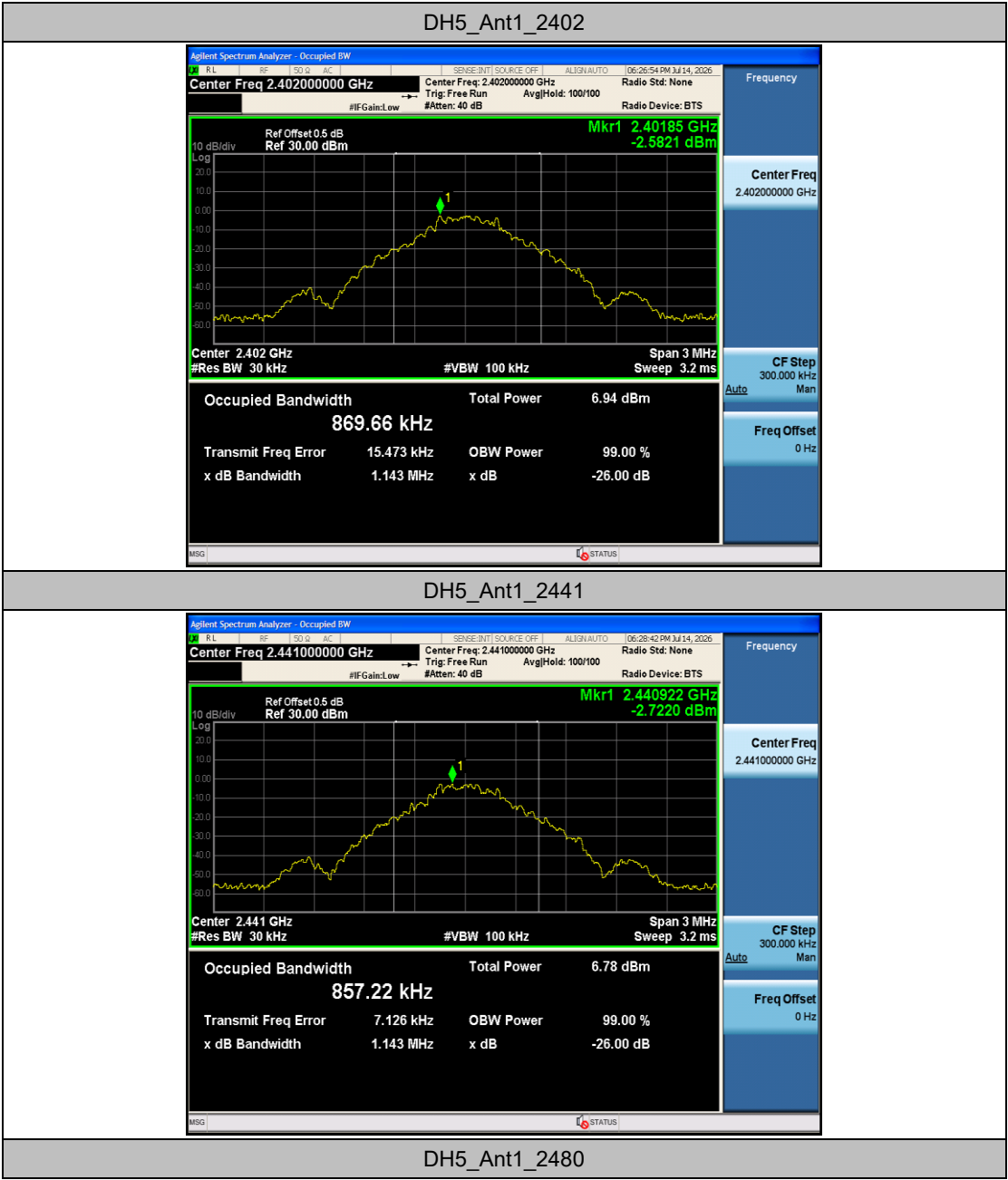


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86966	2401.5806	2402.4503	---	---
		2441	0.85722	2440.5785	2441.4357	---	---
		2480	0.86915	2479.5742	2480.4433	---	---
2DH5	Ant1	2402	1.1984	2401.4121	2402.6105	---	---
		2441	1.1874	2440.4173	2441.6047	---	---
		2480	1.1944	2479.4128	2480.6072	---	---
3DH5	Ant1	2402	1.1851	2401.4227	2402.6078	---	---
		2441	1.1810	2440.4238	2441.6048	---	---
		2480	1.1864	2479.4165	2480.6029	---	---

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

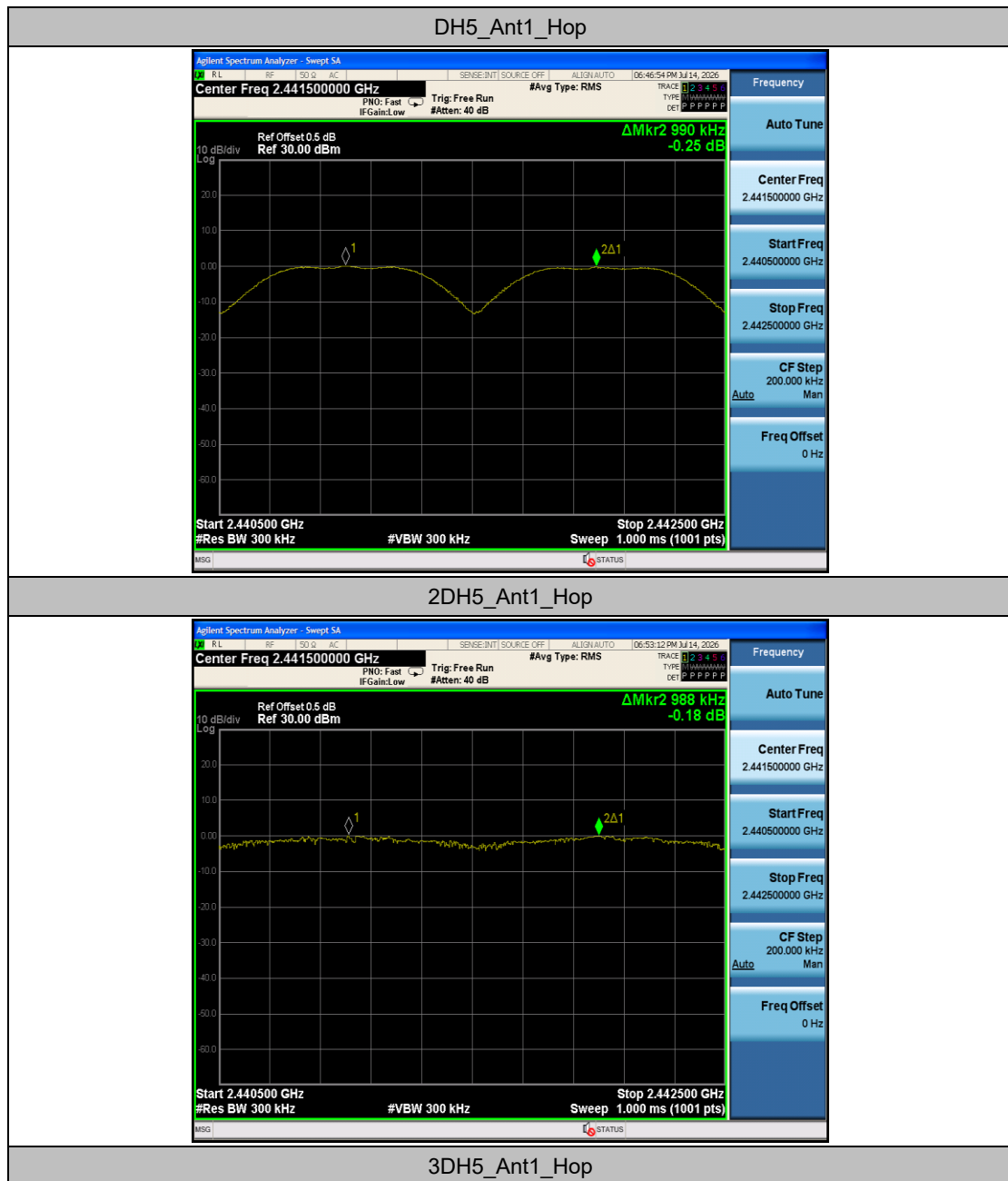
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.29	≤20.97	PASS
		2441	0.17	≤20.97	PASS
		2480	-0.12	≤20.97	PASS
2DH5	Ant1	2402	2.91	≤20.97	PASS
		2441	2.74	≤20.97	PASS
		2480	2.53	≤20.97	PASS
3DH5	Ant1	2402	3.39	≤20.97	PASS
		2441	3.15	≤20.97	PASS
		2480	2.96	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.966	PASS
2DH5	Ant1	Hop	0.988	≥ 0.890	PASS
3DH5	Ant1	Hop	0.968	≥ 0.870	PASS

Test Graphs



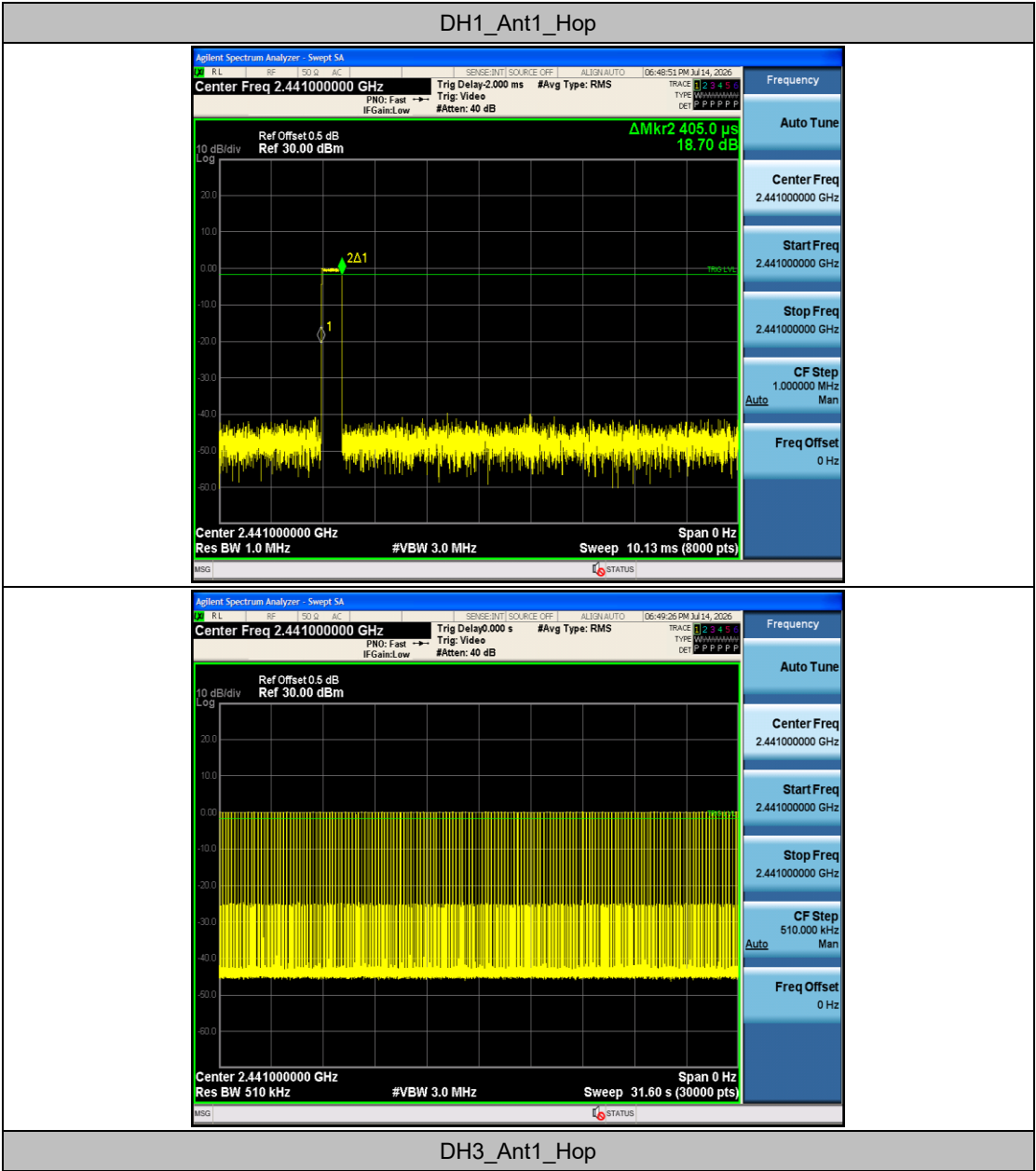


Appendix E: Time of occupancy

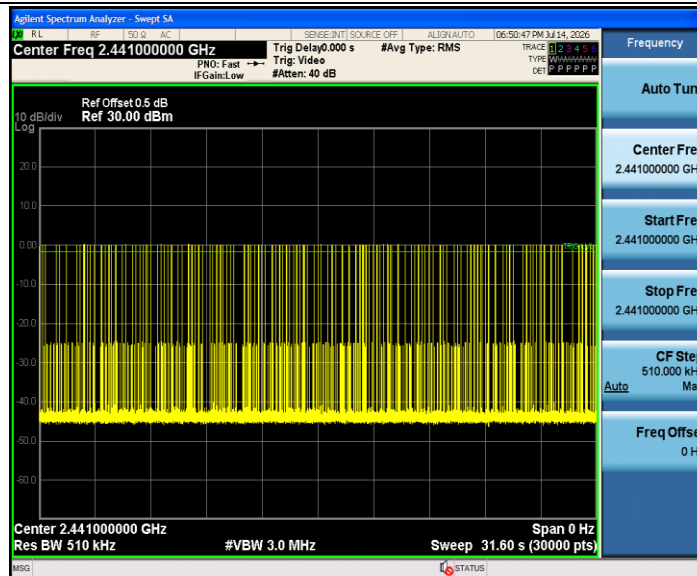
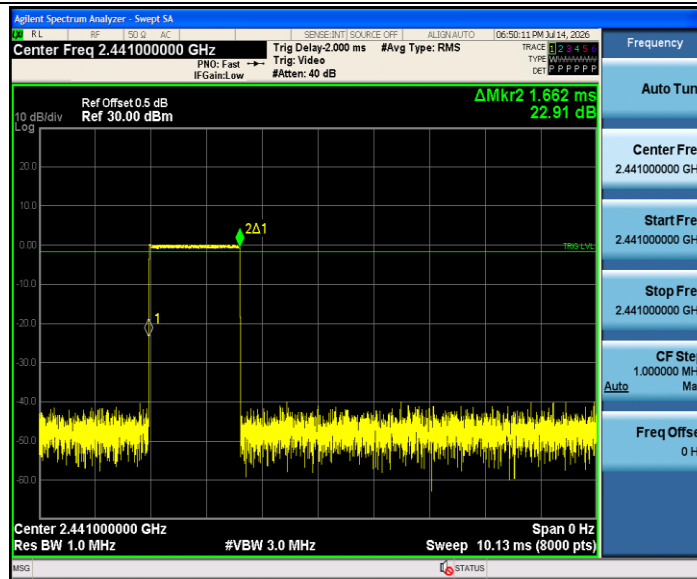
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	317	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.662	174	0.289	≤0.4	PASS
DH5	Ant1	Hop	2.911	99	0.288	≤0.4	PASS
2DH1	Ant1	Hop	0.415	320	0.133	≤0.4	PASS
2DH3	Ant1	Hop	1.667	171	0.285	≤0.4	PASS
2DH5	Ant1	Hop	2.915	101	0.294	≤0.4	PASS
3DH1	Ant1	Hop	0.415	316	0.131	≤0.4	PASS
3DH3	Ant1	Hop	1.664	170	0.283	≤0.4	PASS
3DH5	Ant1	Hop	2.916	107	0.312	≤0.4	PASS

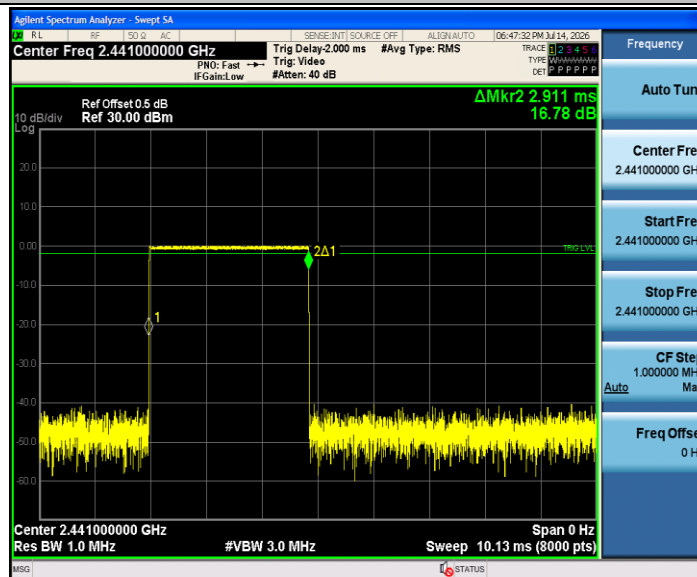
Test Graphs

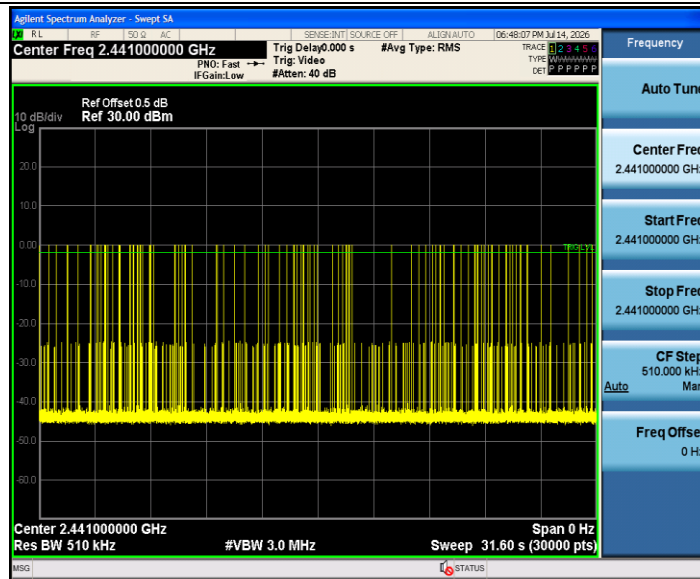


DH3_Ant1_Hop

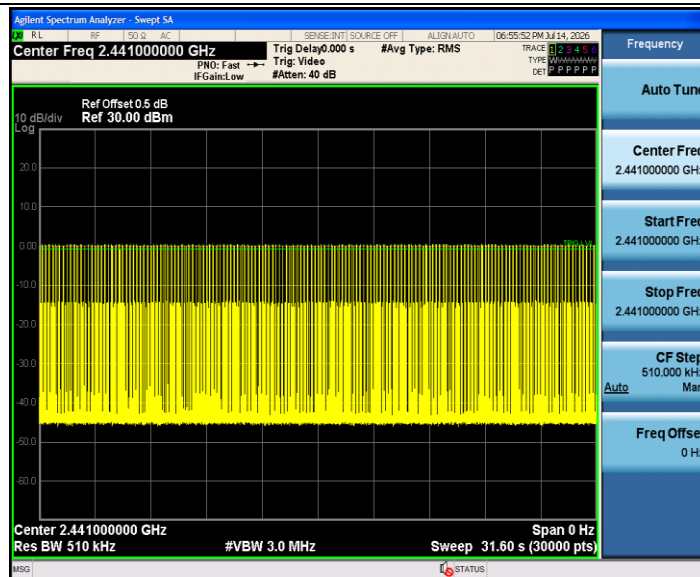
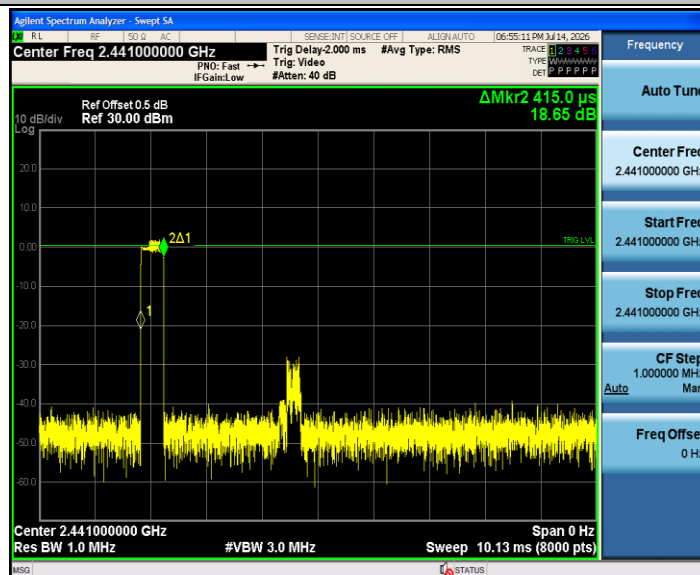


DH5_Ant1_Hop

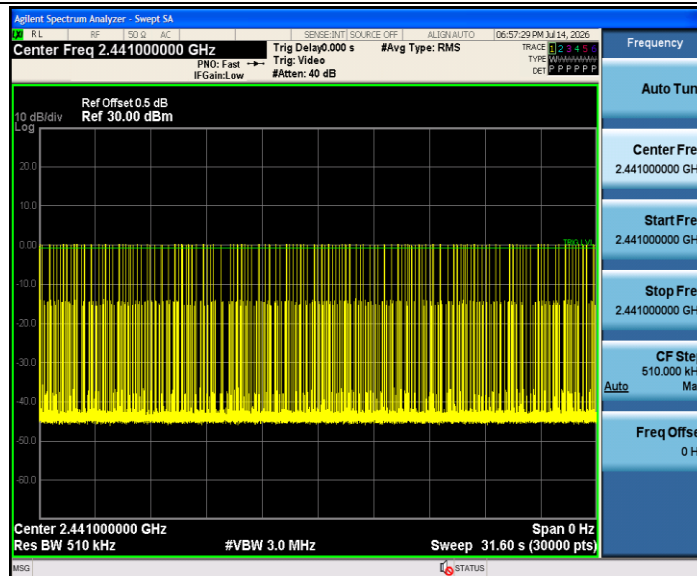
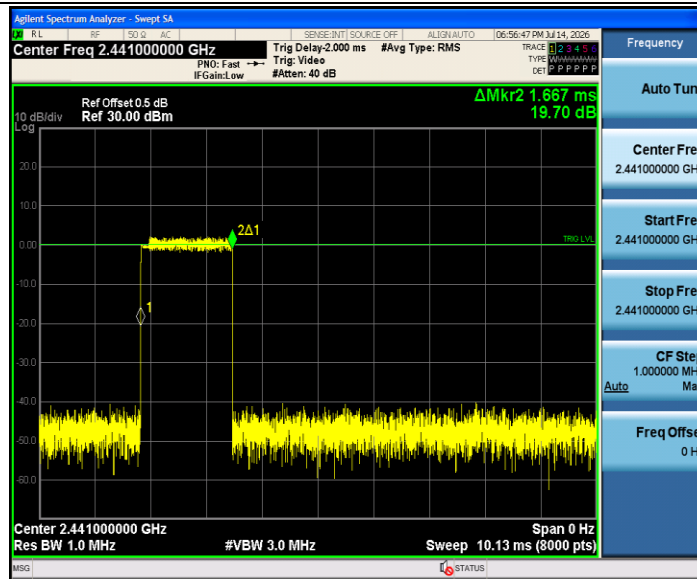




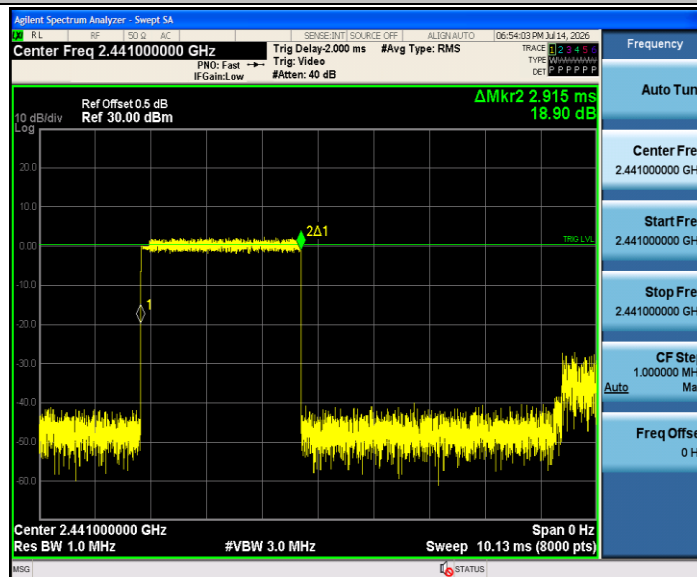
2DH1_Ant1_Hop

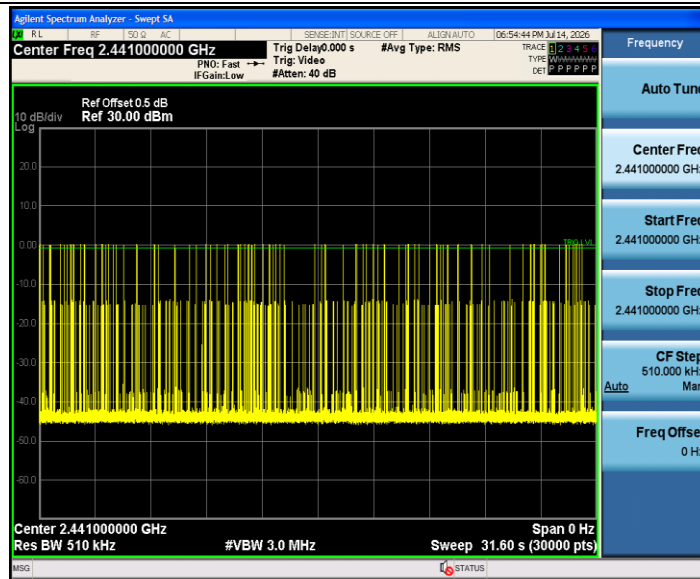


2DH3_Ant1_Hop

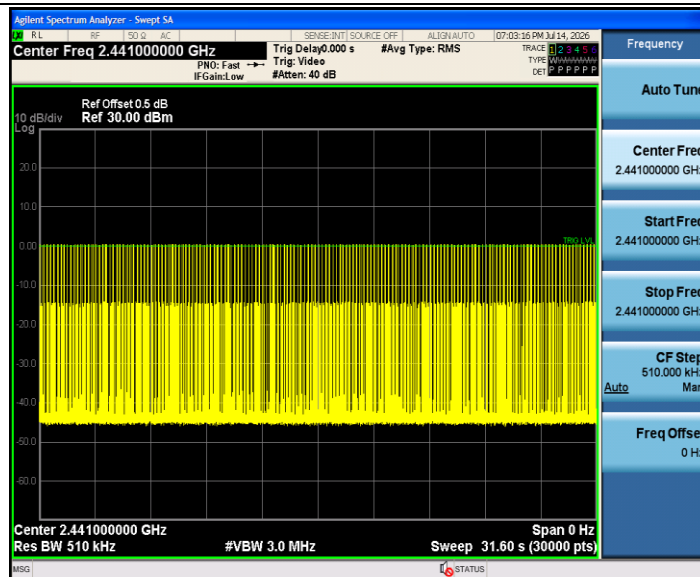
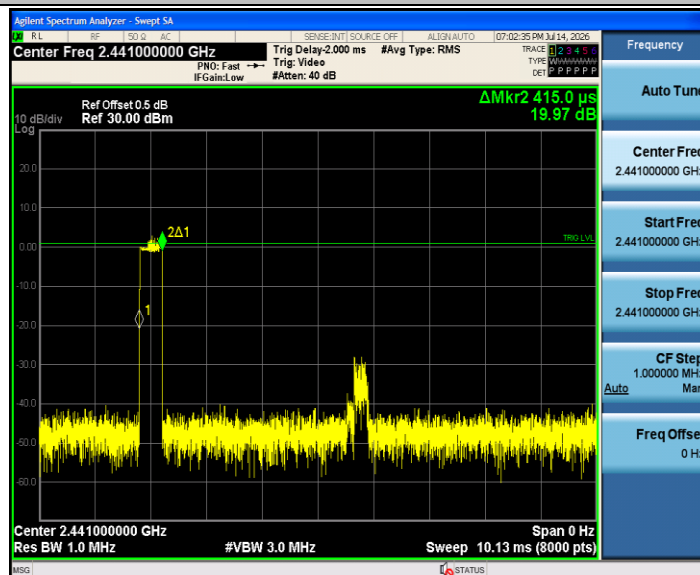


2DH5_Ant1_Hop

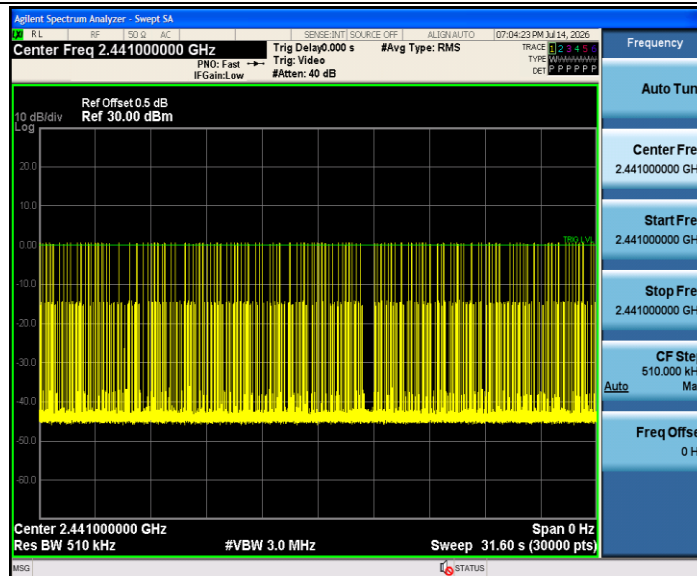
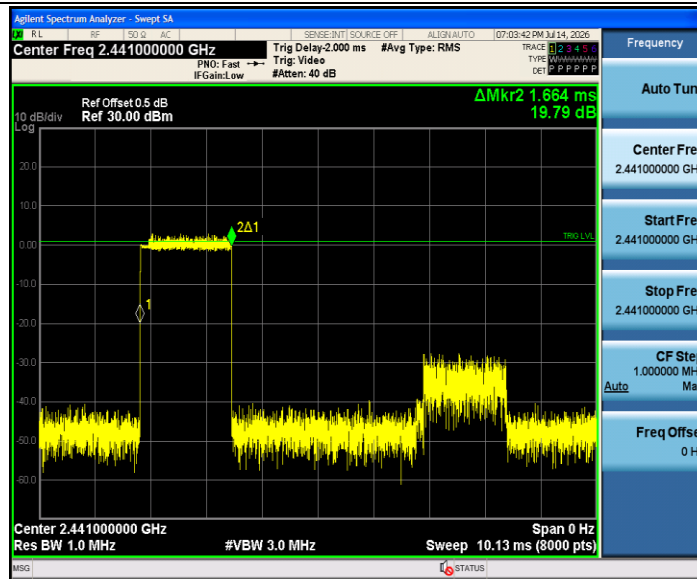




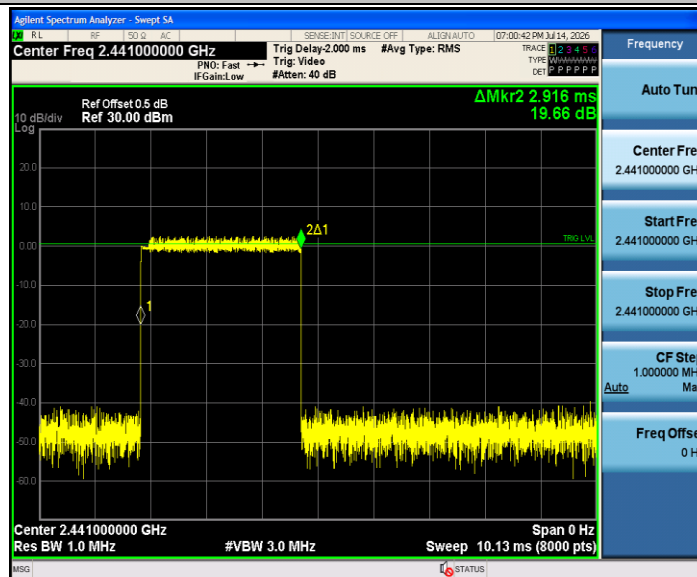
3DH1_Ant1_Hop

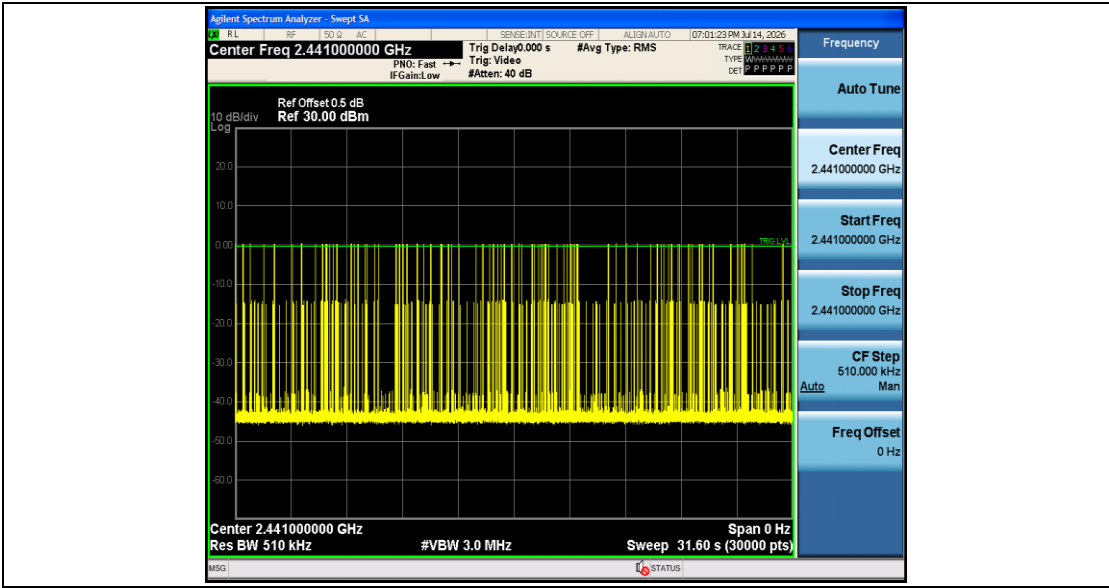


3DH3_Ant1_Hop



3DH5_Ant1_Hop



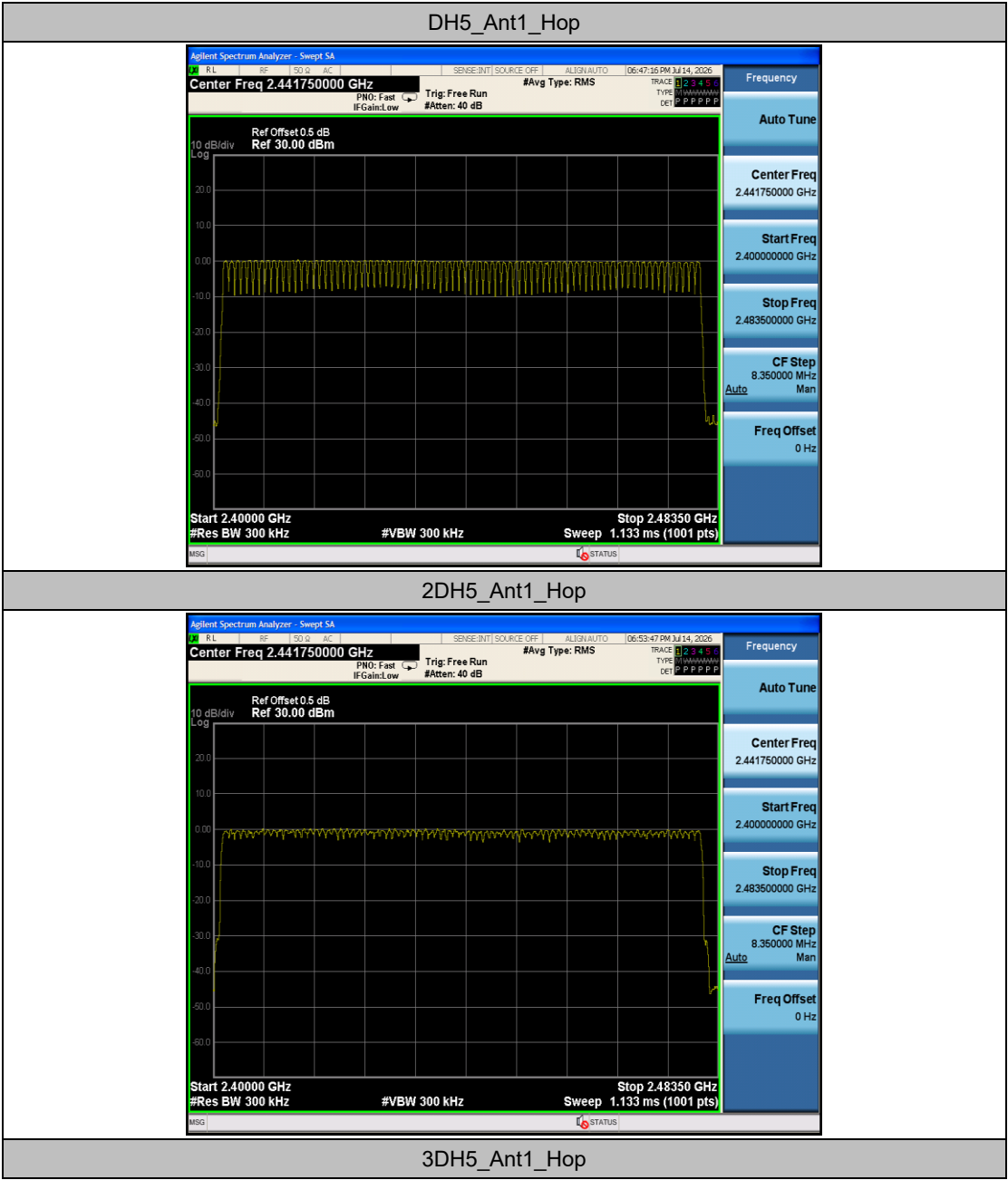


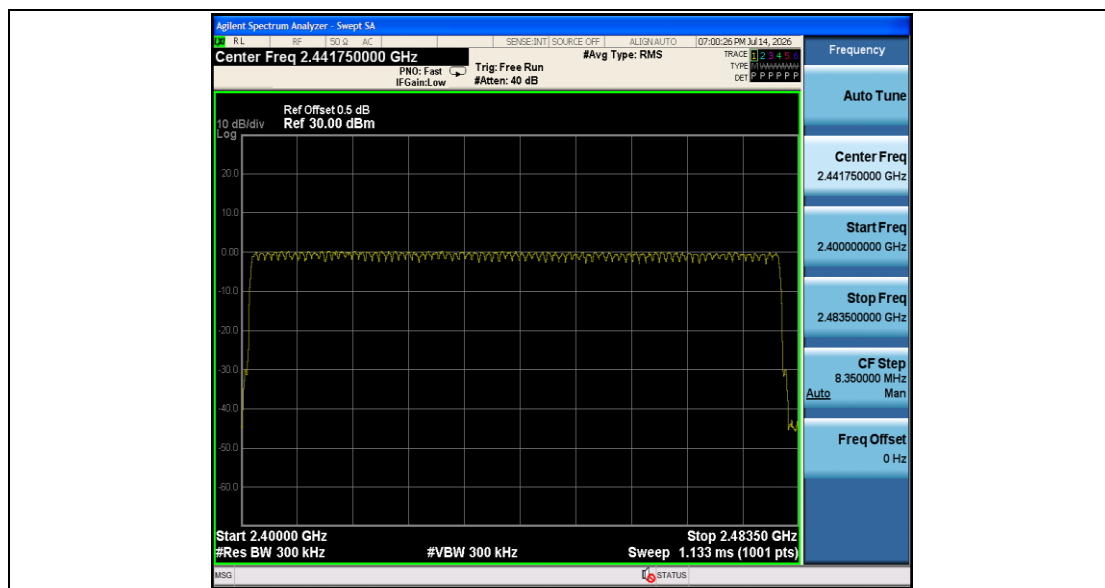
Appendix F: Number of hopping channels

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	-0.15	-55.87	≤-20.15	PASS
		High	2480	-0.55	-57.32	≤-20.55	PASS
		Low	Hop_2402	-0.52	-57.45	≤-20.52	PASS
		High	Hop_2480	-0.52	-52.27	≤-20.52	PASS
2DH5	Ant1	Low	2402	-0.70	-49.85	≤-20.7	PASS
		High	2480	-0.22	-57.22	≤-20.22	PASS
		Low	Hop_2402	-1.37	-53.17	≤-21.37	PASS
		High	Hop_2480	-3.84	-57.53	≤-23.84	PASS
3DH5	Ant1	Low	2402	-1.05	-48.98	≤-21.05	PASS
		High	2480	-0.81	-51.72	≤-20.81	PASS
		Low	Hop_2402	-2.34	-47.84	≤-22.34	PASS
		High	Hop_2480	-0.58	-51.89	≤-20.58	PASS

Test Graphs

