

FCC Appendix RF Test Data for BT

FCC ID : 2BGDJ-H1

Company : Shenzhen linkedsafe Sports Technology Co., Ltd.

EUT : Smart Helmet

Model Number : H1

Report No. : CTA26041400602

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	0.948	2440.544	2441.492	---	---
		2480	0.960	2479.547	2480.507	---	---
2DH5	Ant1	2402	1.335	2401.343	2402.678	---	---
		2441	1.290	2440.376	2441.666	---	---
		2480	1.332	2479.349	2480.681	---	---
3DH5	Ant1	2402	1.320	2401.355	2402.675	---	---
		2441	1.326	2440.352	2441.678	---	---
		2480	1.311	2479.358	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



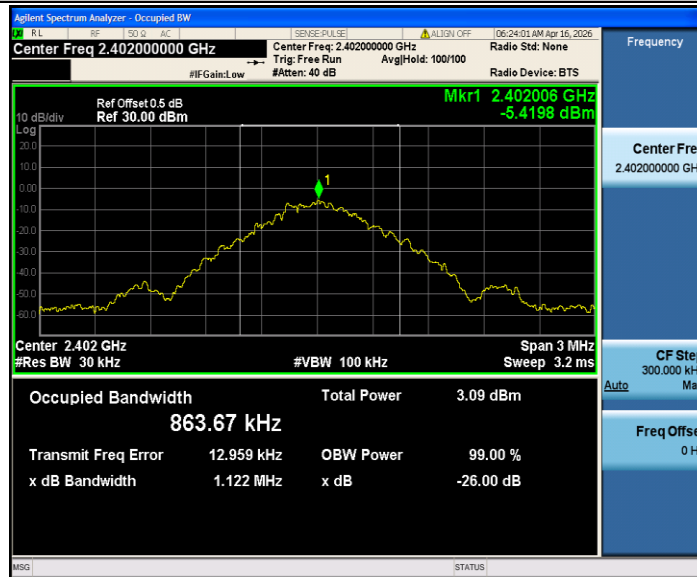
Appendix B: Occupied Channel Bandwidth

Test Result

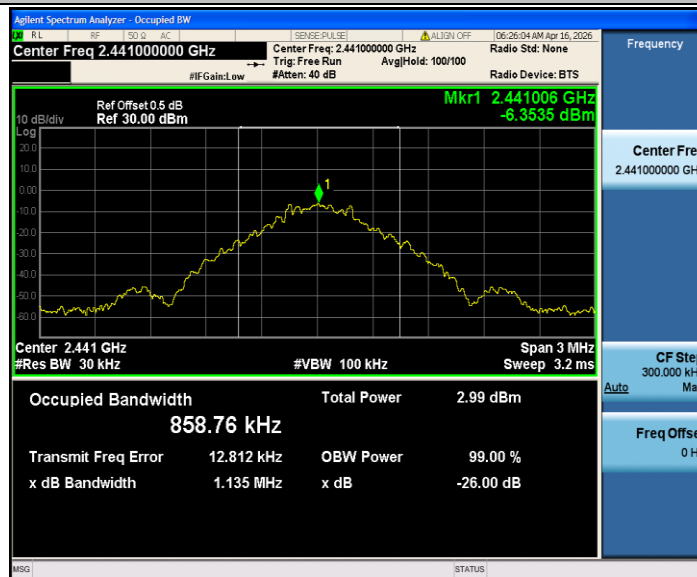
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86367	2401.5811	2402.4448	---	---
		2441	0.85876	2440.5834	2441.4422	---	---
		2480	0.85697	2479.5803	2480.4372	---	---
2DH5	Ant1	2402	1.1866	2401.4184	2402.6050	---	---
		2441	1.1870	2440.4184	2441.6054	---	---
		2480	1.1794	2479.4227	2480.6021	---	---
3DH5	Ant1	2402	1.1858	2401.4193	2402.6051	---	---
		2441	1.1793	2440.4259	2441.6052	---	---
		2480	1.1930	2479.4178	2480.6108	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



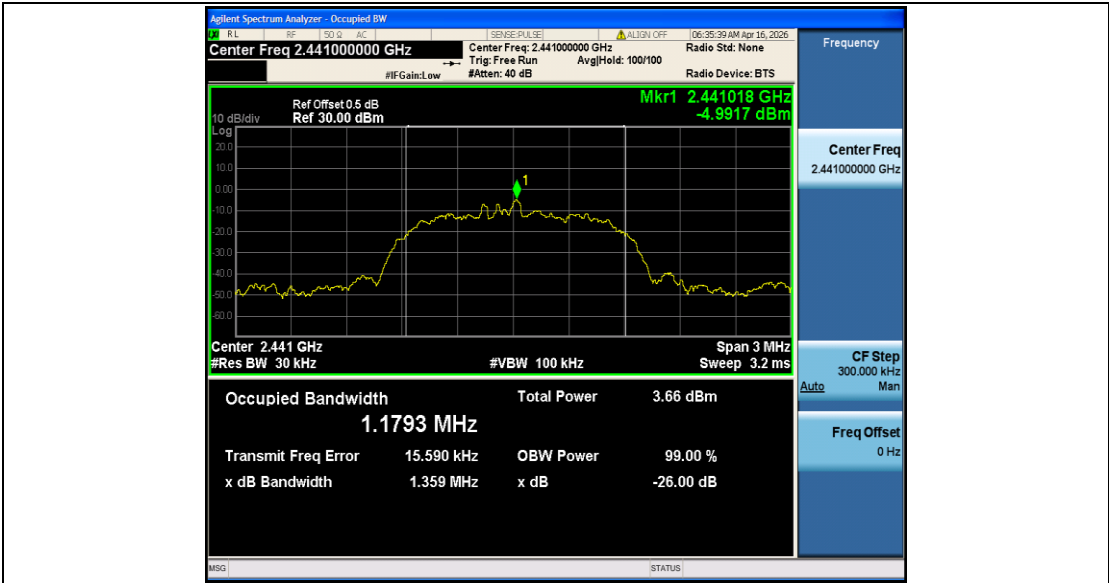
2DH5_Ant1_2480



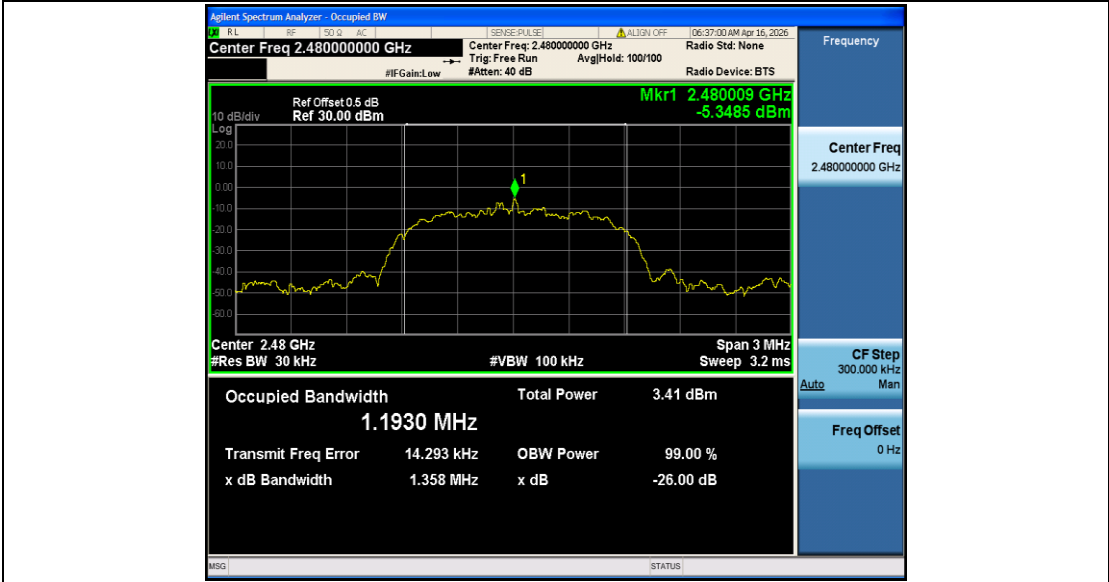
3DH5_Ant1_2402



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	-3.28	≤20.97	PASS
		2441	-3.48	≤20.97	PASS
		2480	-3.44	≤20.97	PASS
2DH5	Ant1	2402	-0.66	≤20.97	PASS
		2441	-0.91	≤20.97	PASS
		2480	-0.83	≤20.97	PASS
3DH5	Ant1	2402	-0.23	≤20.97	PASS
		2441	-0.45	≤20.97	PASS
		2480	-0.40	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.024	≥ 0.64	PASS
2DH5	Ant1	Hop	0.988	≥ 0.890	PASS
3DH5	Ant1	Hop	0.978	≥ 0.884	PASS

Test Graphs



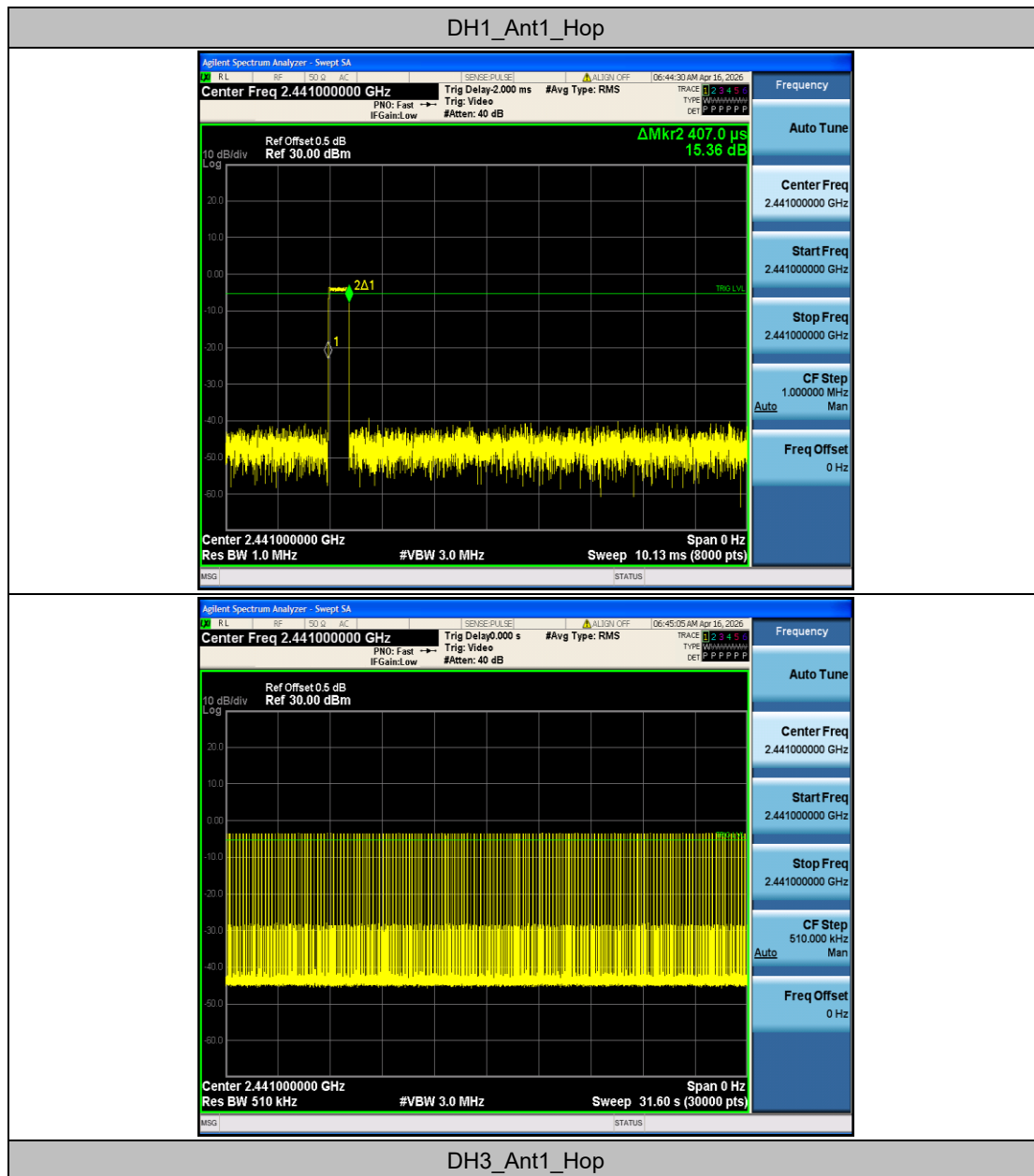


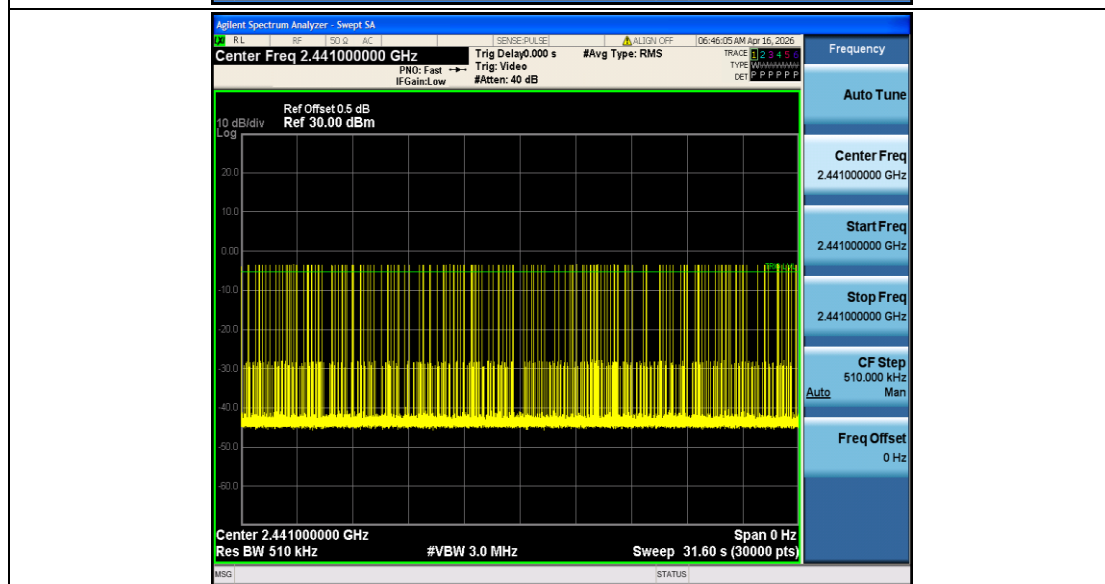
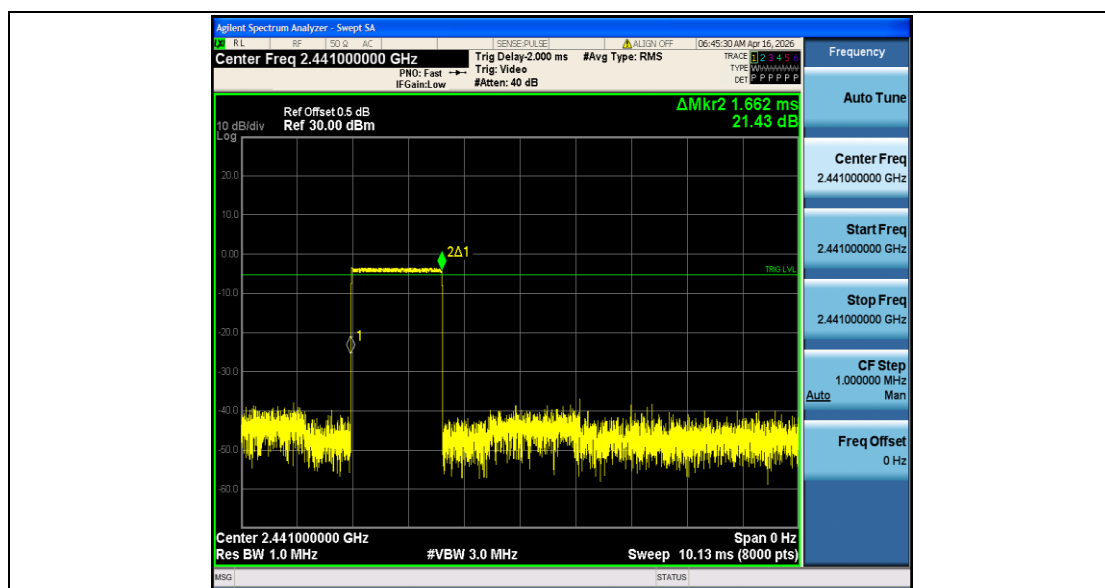
Appendix E: Time of occupancy

Test Result

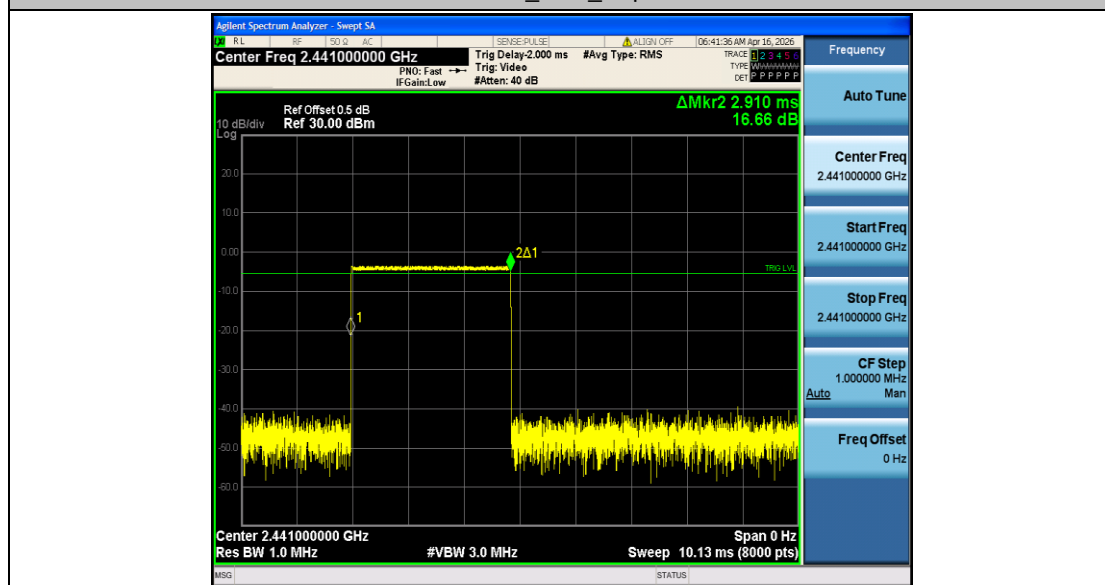
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	315	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.662	164	0.273	≤0.4	PASS
DH5	Ant1	Hop	2.910	111	0.323	≤0.4	PASS
2DH1	Ant1	Hop	0.417	319	0.133	≤0.4	PASS
2DH3	Ant1	Hop	1.668	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.916	121	0.353	≤0.4	PASS
3DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	156	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.916	113	0.33	≤0.4	PASS

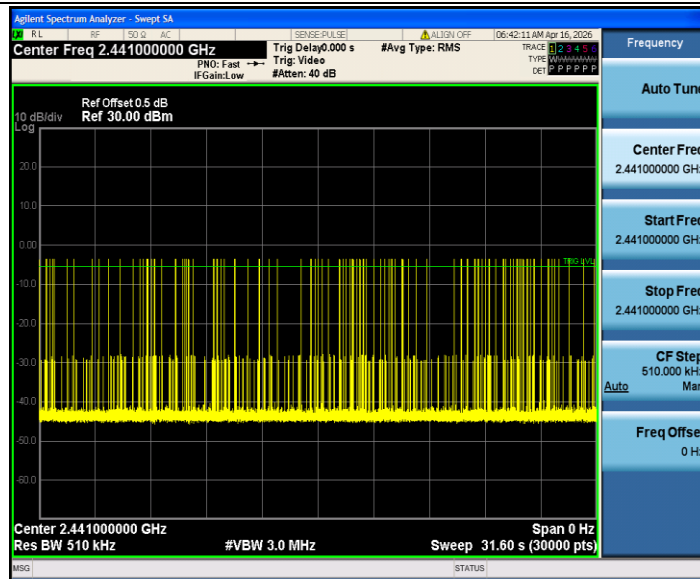
Test Graphs



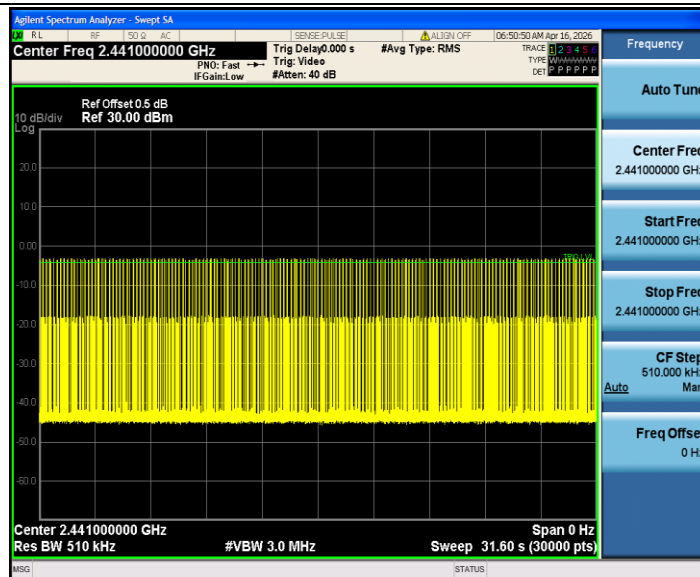
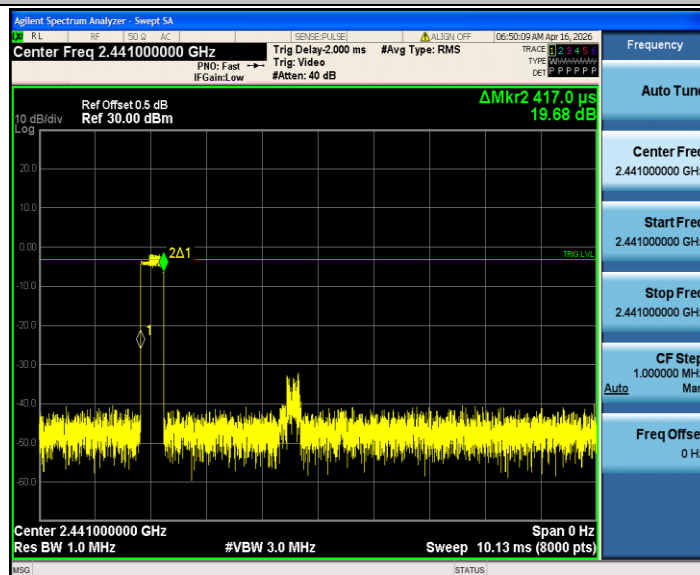


DH5_Ant1_Hop





2DH1_Ant1_Hop



2DH3_Ant1_Hop