

FCC Appendix RF Test Data for BT

FCC ID : 2BXRY-PX6

Company : Shenzhen Oasis Era Electronic Technology Co.,Ltd.

EUT : Bluetooth Headphones

Model Number : PX6

Report No. : CTA26072500201

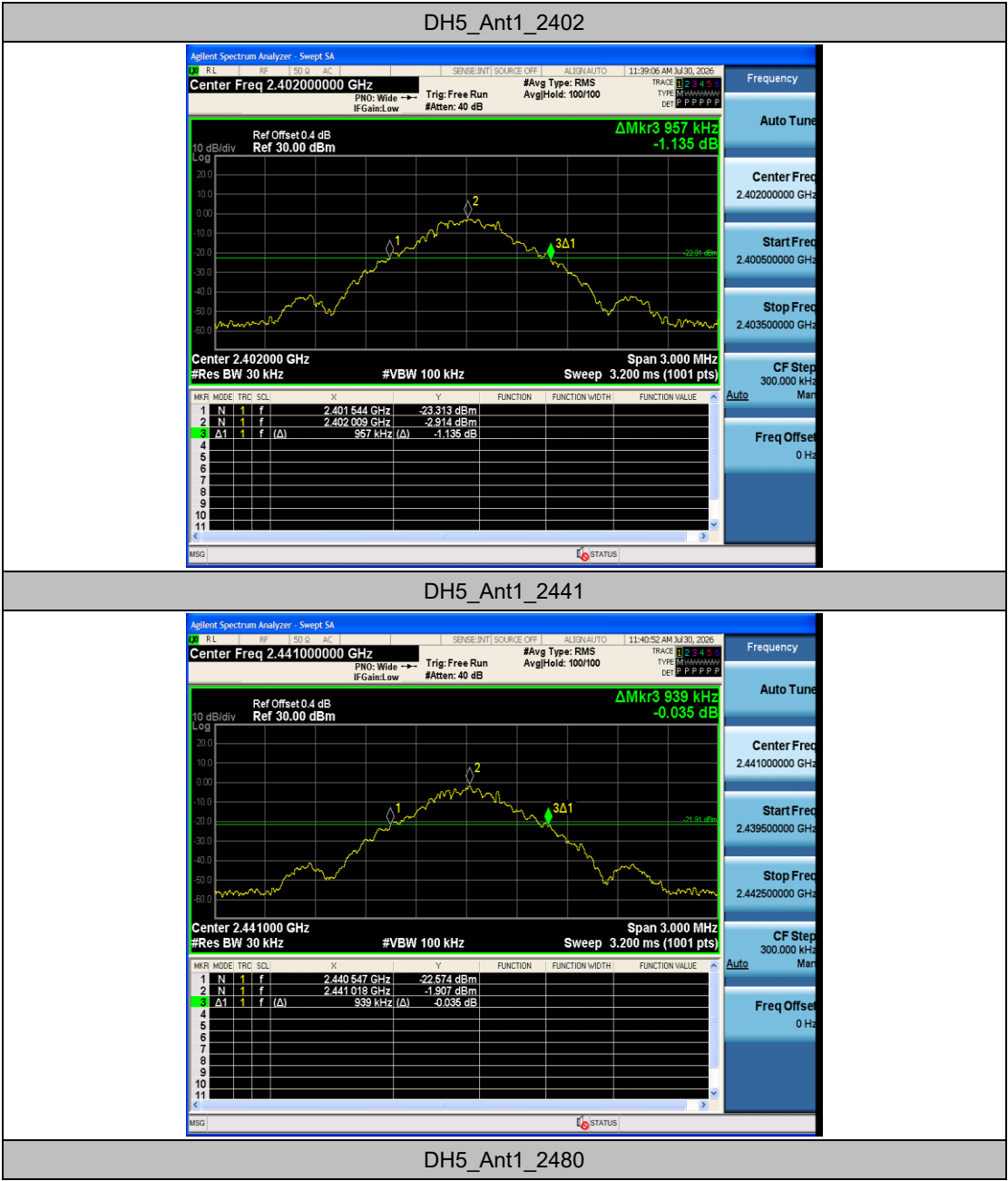
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.544	2402.501	---	---
		2441	0.939	2440.547	2441.486	---	---
		2480	0.939	2479.547	2480.486	---	---
2DH5	Ant1	2402	1.326	2401.346	2402.672	---	---
		2441	1.323	2440.346	2441.669	---	---
		2480	1.287	2479.376	2480.663	---	---
3DH5	Ant1	2402	1.314	2401.355	2402.669	---	---
		2441	1.293	2440.364	2441.657	---	---
		2480	1.296	2479.364	2480.660	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

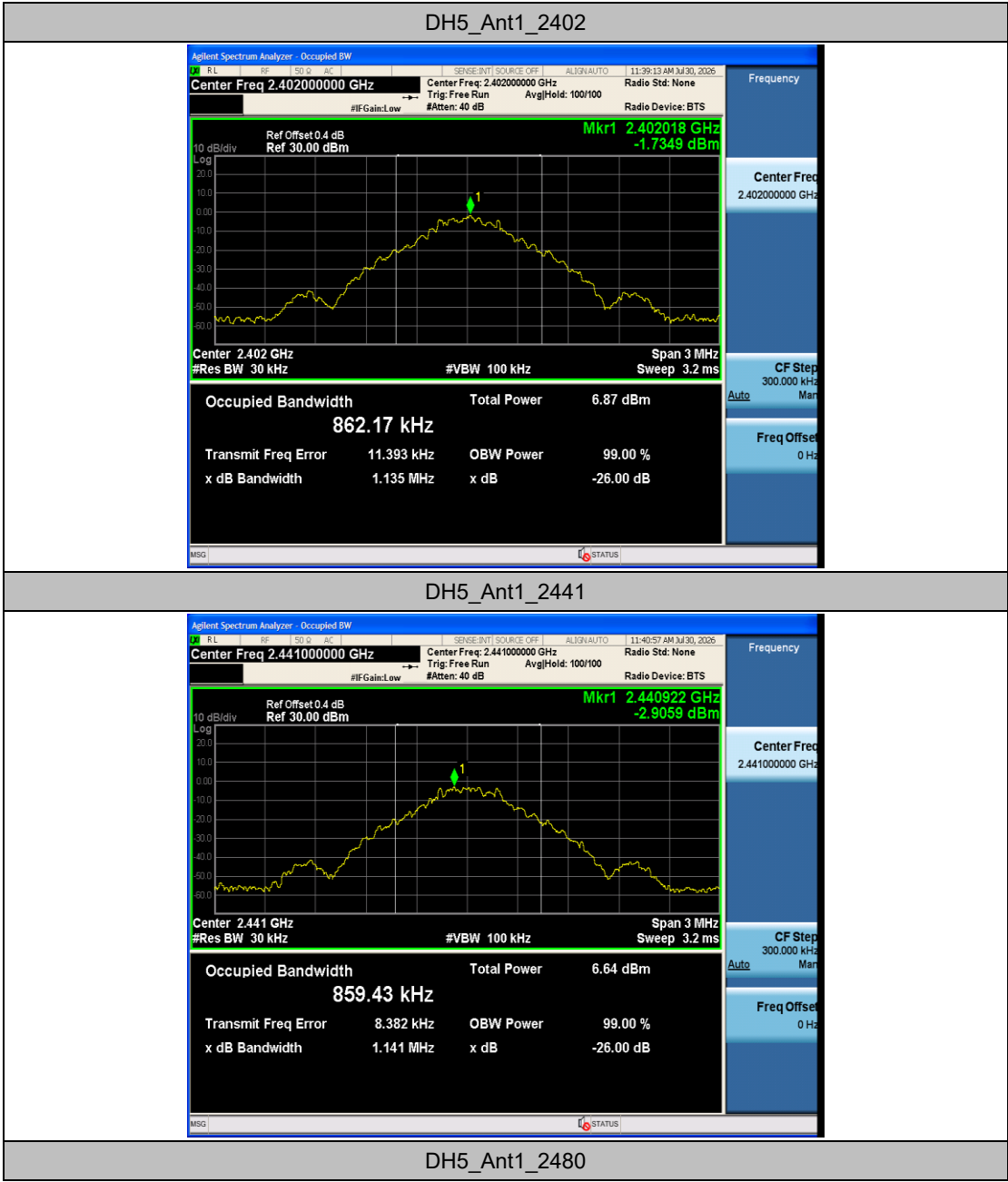


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86217	2401.5803	2402.4425	---	---
		2441	0.85943	2440.5787	2441.4381	---	---
		2480	0.87496	2479.5740	2480.4490	---	---
2DH5	Ant1	2402	1.1857	2401.4179	2402.6036	---	---
		2441	1.1957	2440.4131	2441.6088	---	---
		2480	1.1909	2479.4133	2480.6042	---	---
3DH5	Ant1	2402	1.1873	2401.4179	2402.6052	---	---
		2441	1.1898	2440.4158	2441.6056	---	---
		2480	1.1789	2479.4256	2480.6045	---	---

Test Graphs





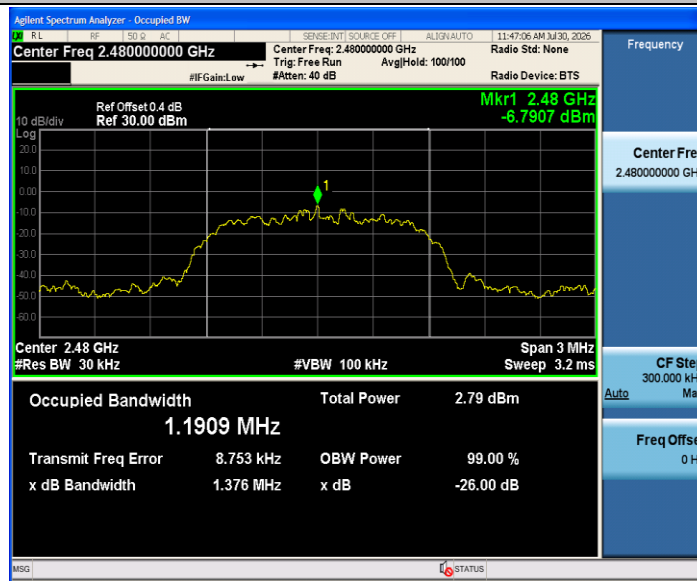
2DH5_Ant1_2402



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	0.04	≤20.97	PASS
		2441	-0.07	≤20.97	PASS
		2480	-0.33	≤20.97	PASS
2DH5	Ant1	2402	-0.81	≤20.97	PASS
		2441	-0.90	≤20.97	PASS
		2480	-1.27	≤20.97	PASS
3DH5	Ant1	2402	-0.43	≤20.97	PASS
		2441	-0.57	≤20.97	PASS
		2480	-0.81	≤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	1.074	≥ 0.884	PASS
3DH5	Ant1	Hop	0.994	≥ 0.876	PASS

Test Graphs

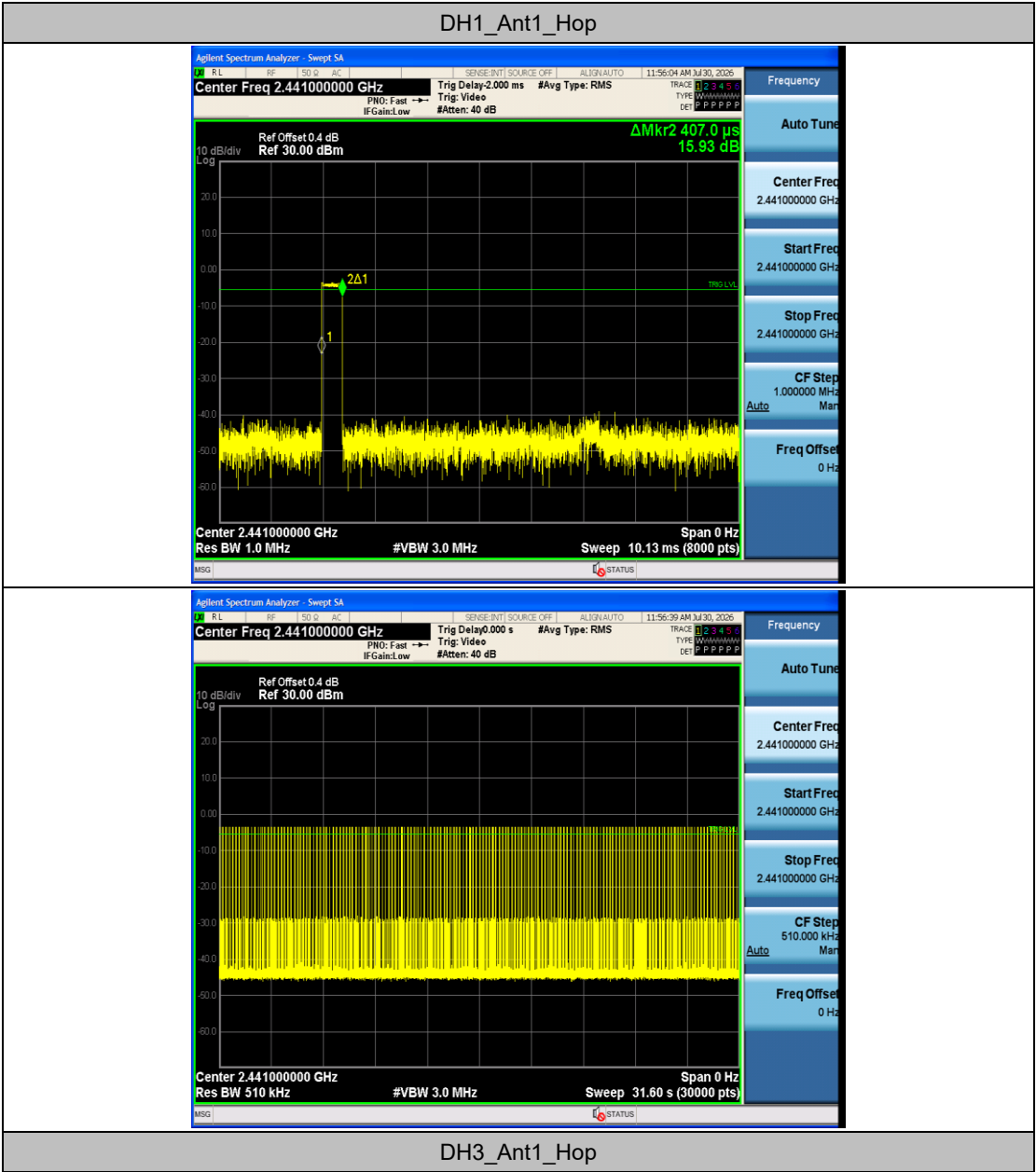


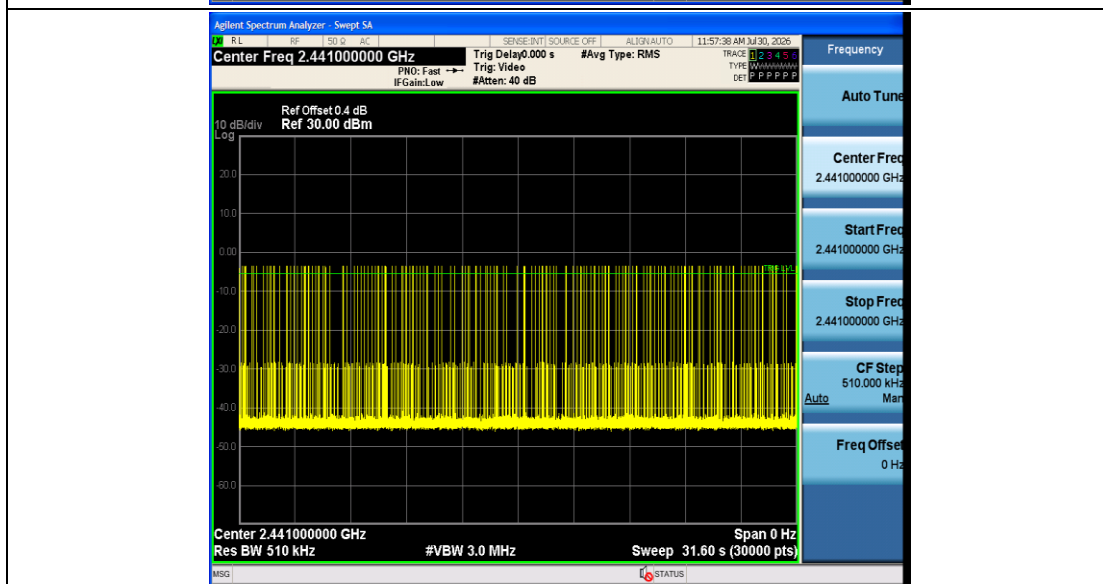
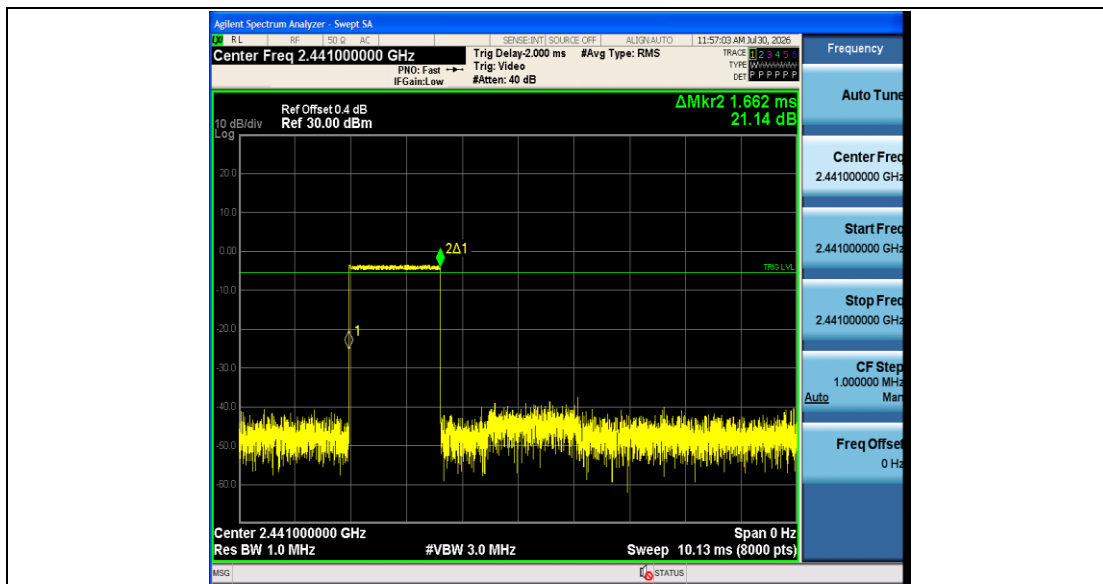
Appendix E: Time of occupancy

Test Result

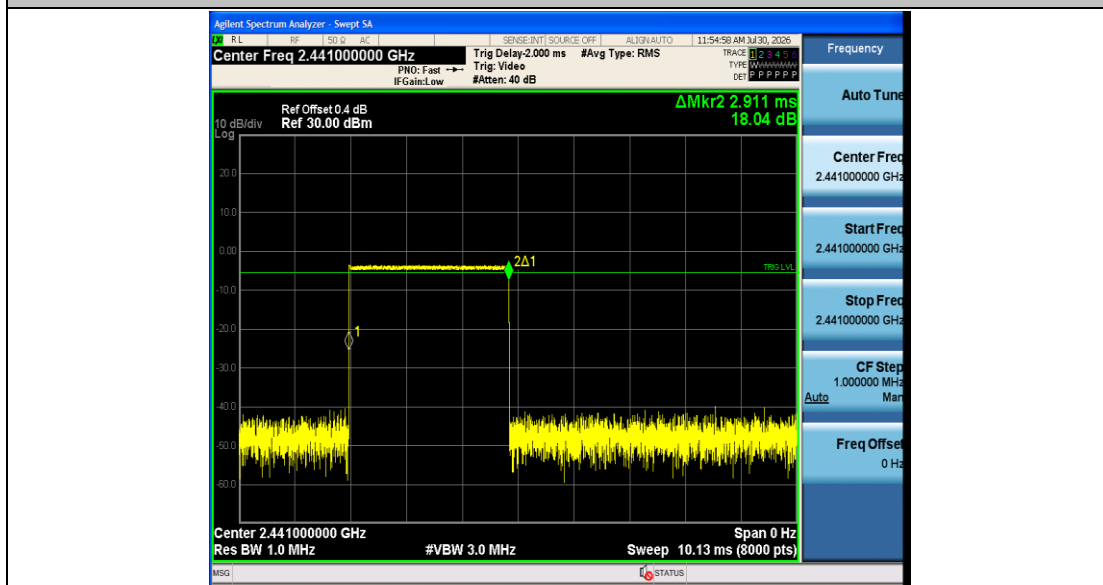
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	320	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.662	173	0.288	≤0.4	PASS
DH5	Ant1	Hop	2.911	110	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	161	0.268	≤0.4	PASS
2DH5	Ant1	Hop	2.916	97	0.283	≤0.4	PASS
3DH1	Ant1	Hop	0.414	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	156	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.917	99	0.289	≤0.4	PASS

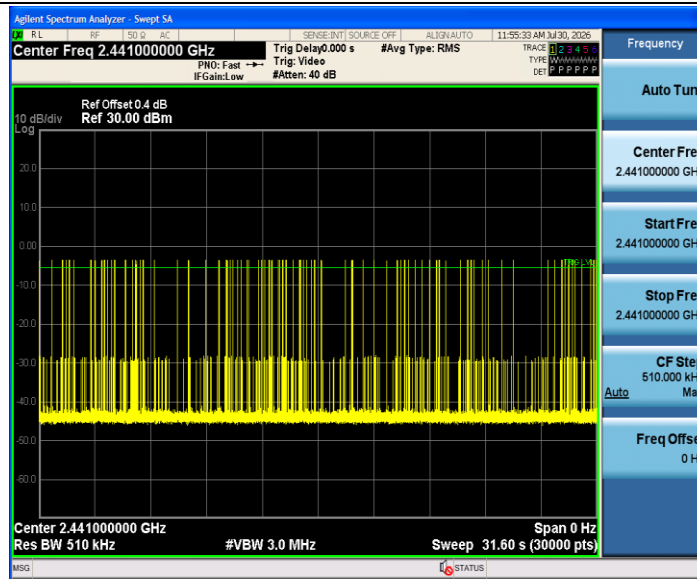
Test Graphs



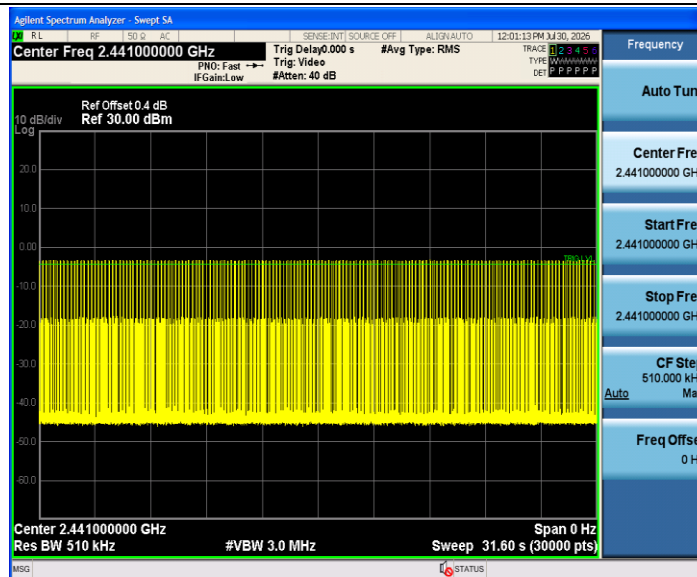
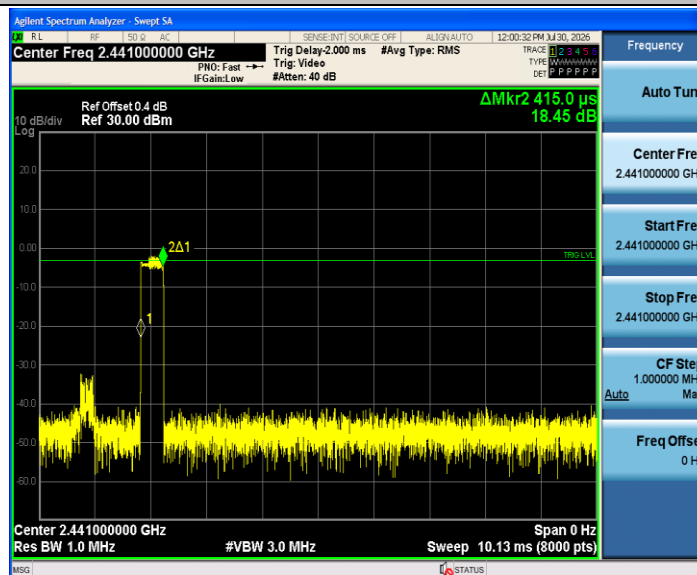


DH5_Ant1_Hop

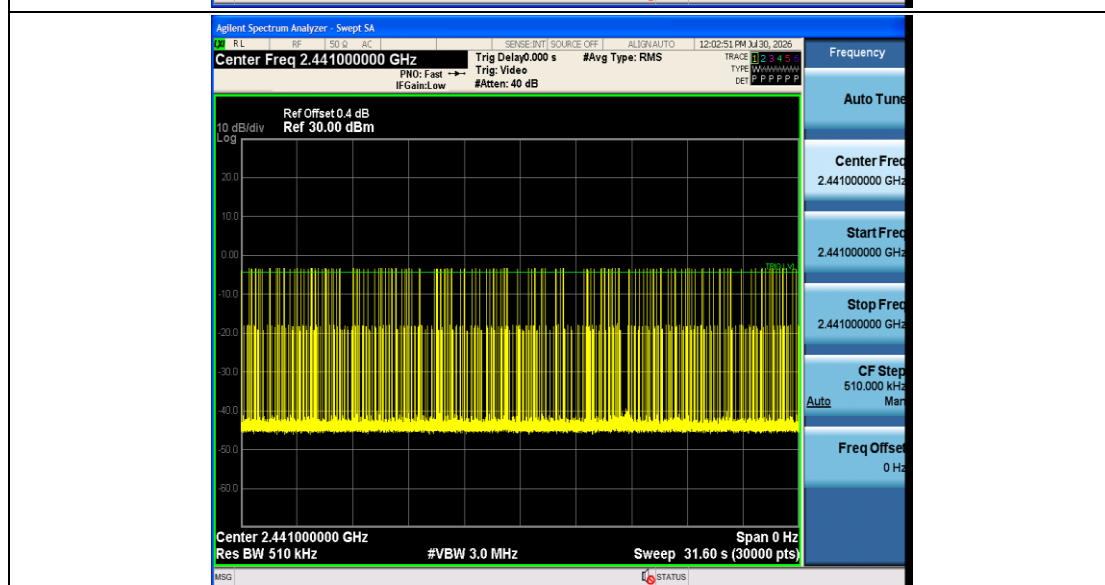
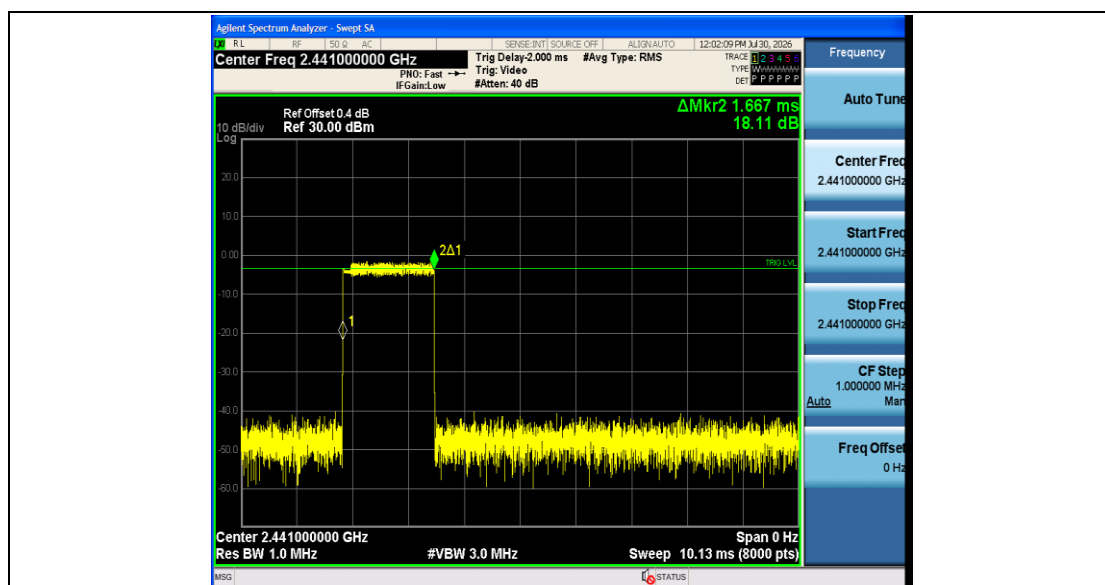




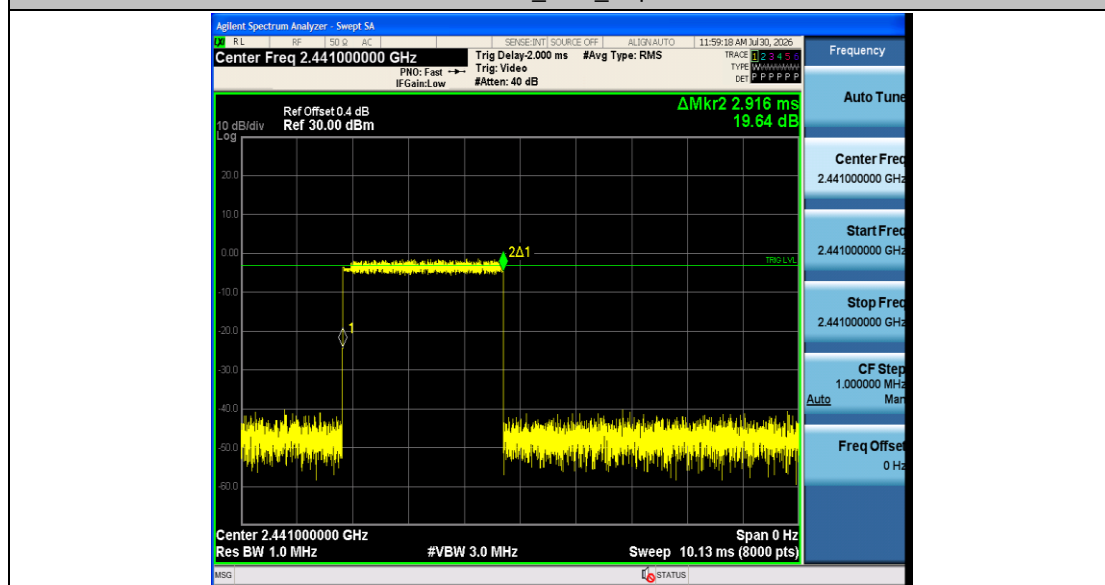
2DH1_Ant1_Hop

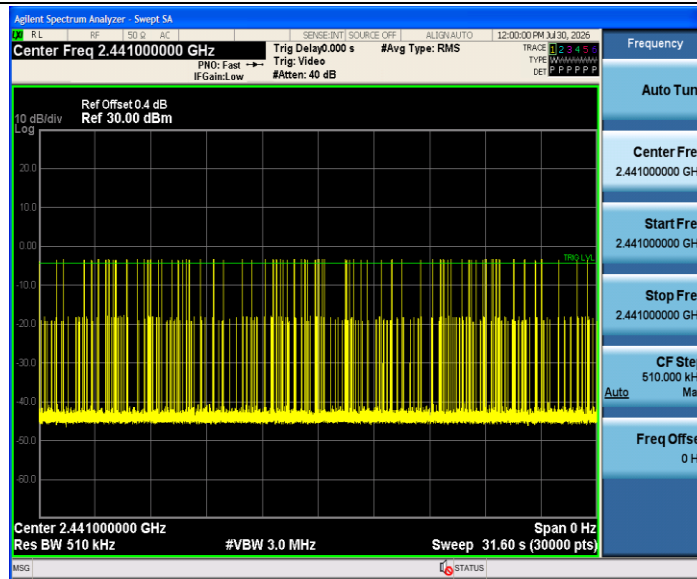


2DH3_Ant1_Hop

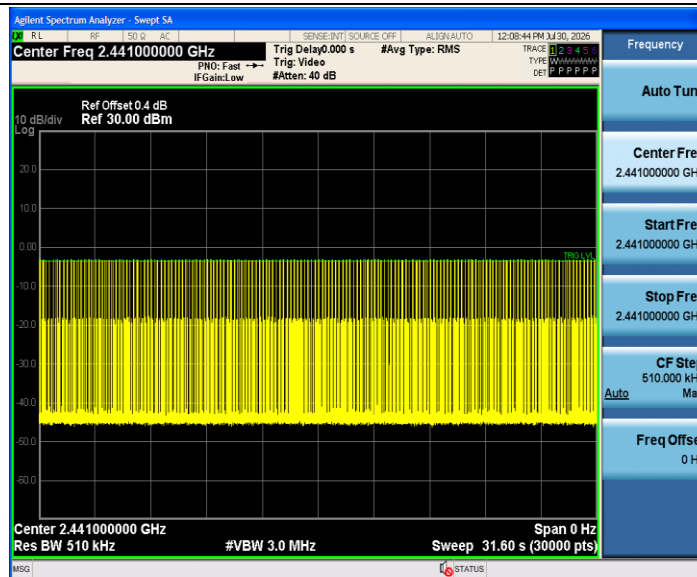
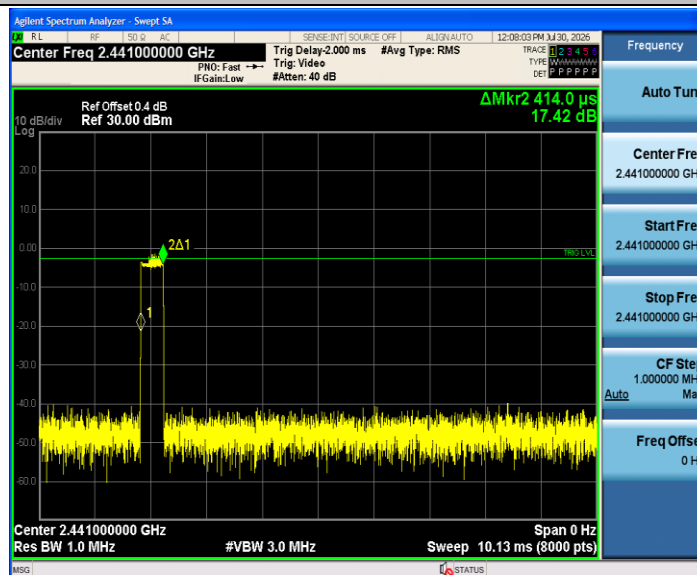


2DH5_Ant1_Hop

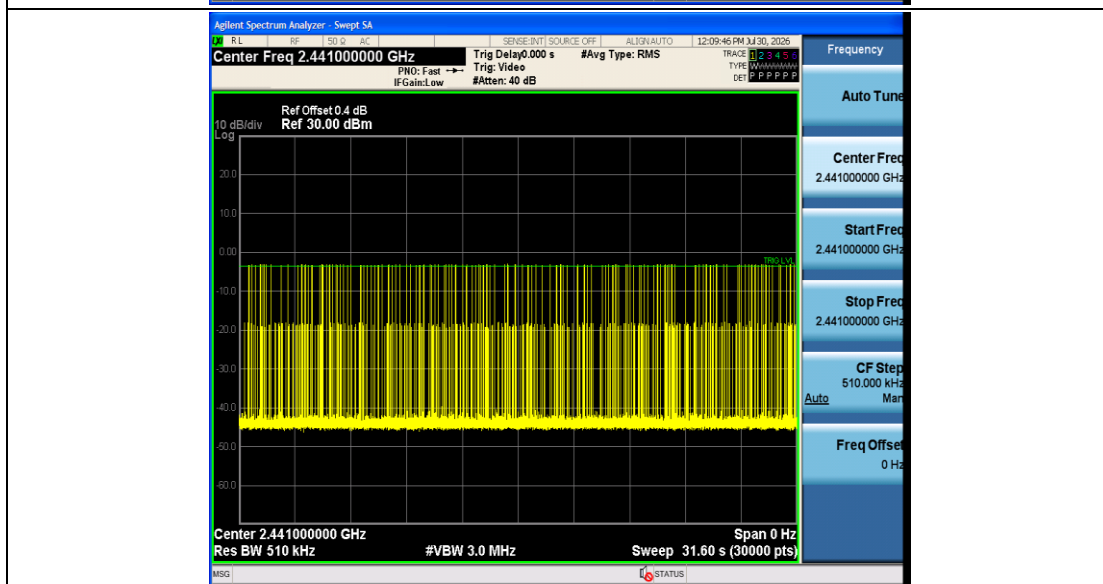
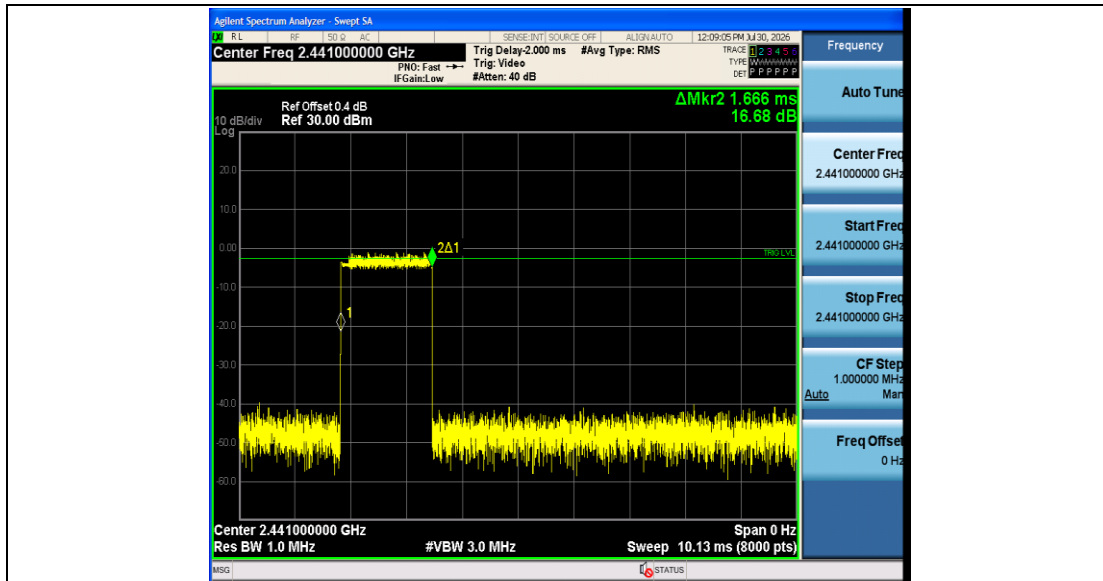




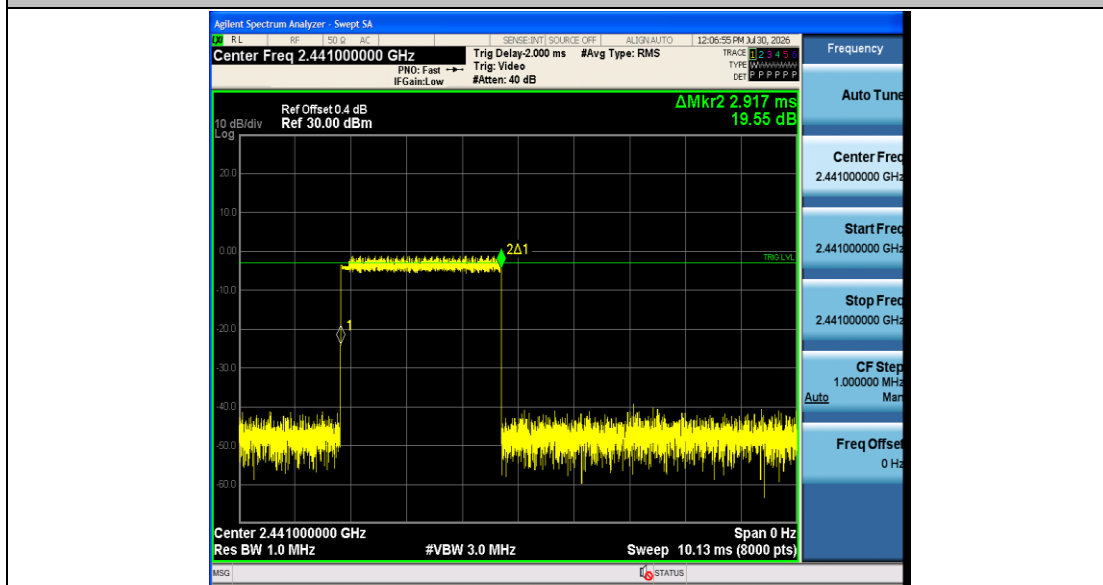
3DH1_Ant1_Hop

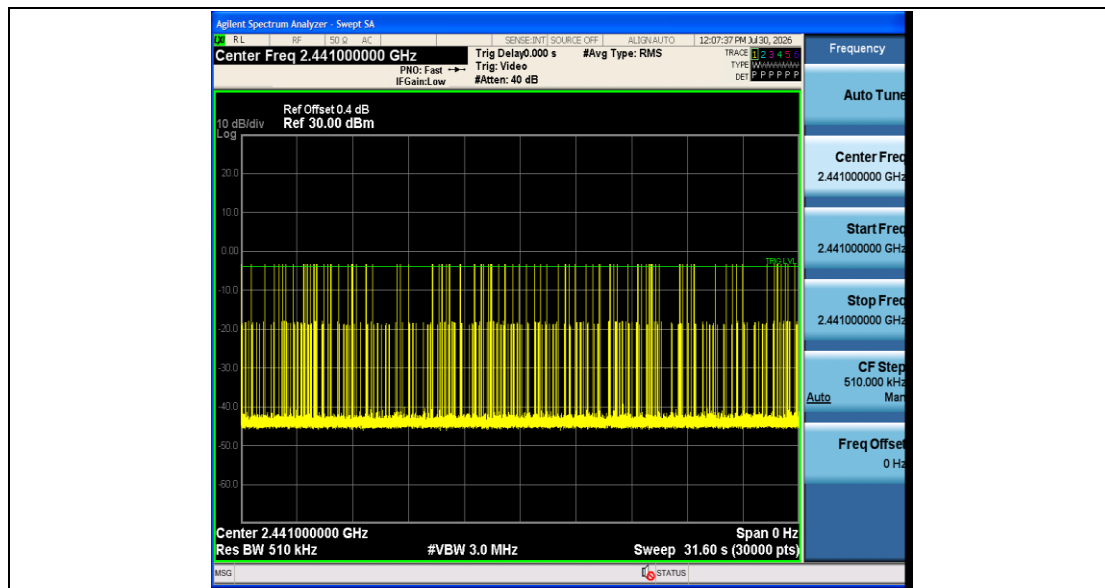


3DH3_Ant1_Hop



3DH5_Ant1_Hop



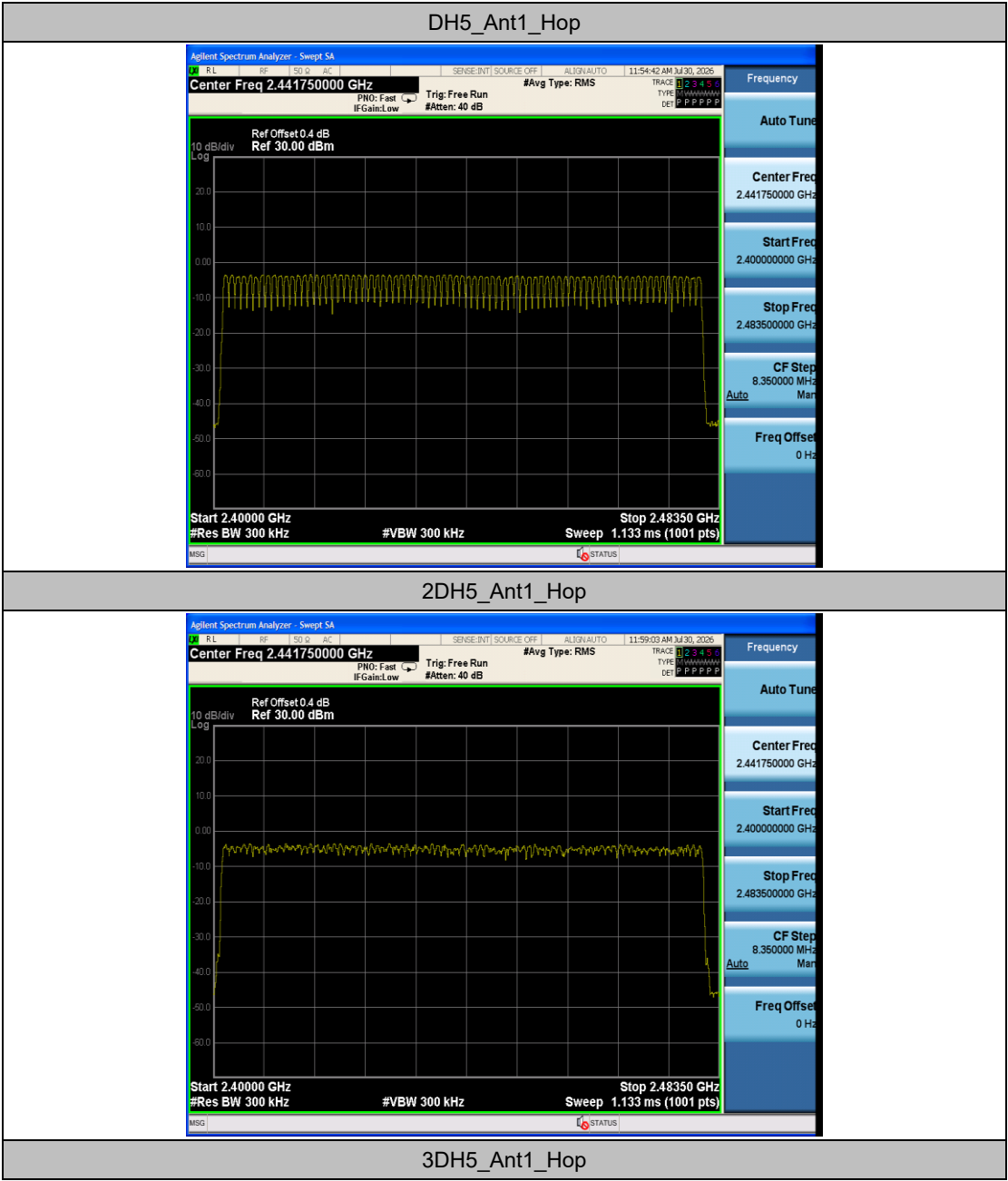


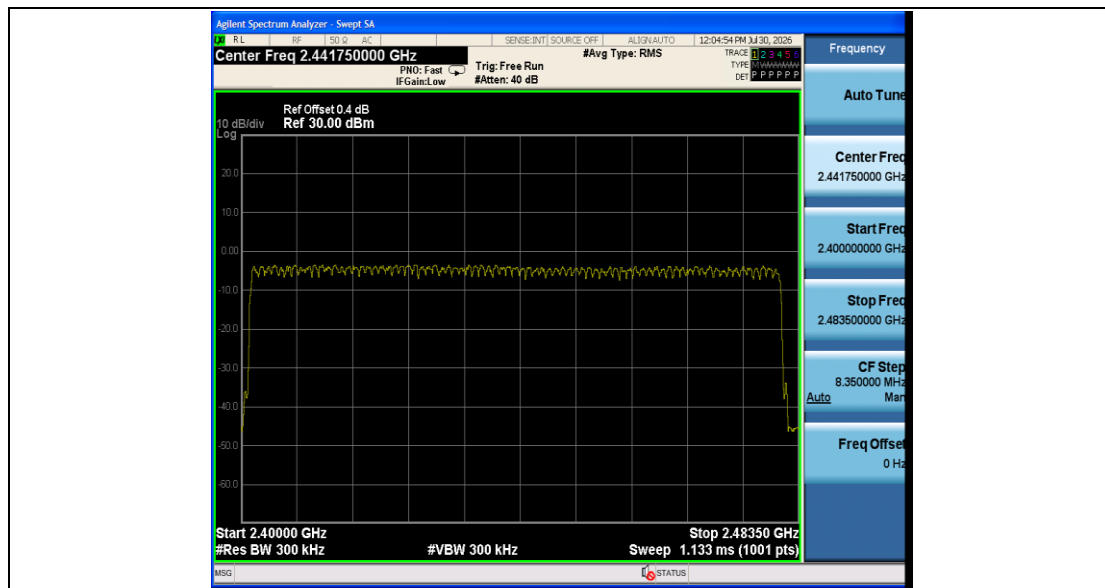
Appendix F: Number of hopping channels

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



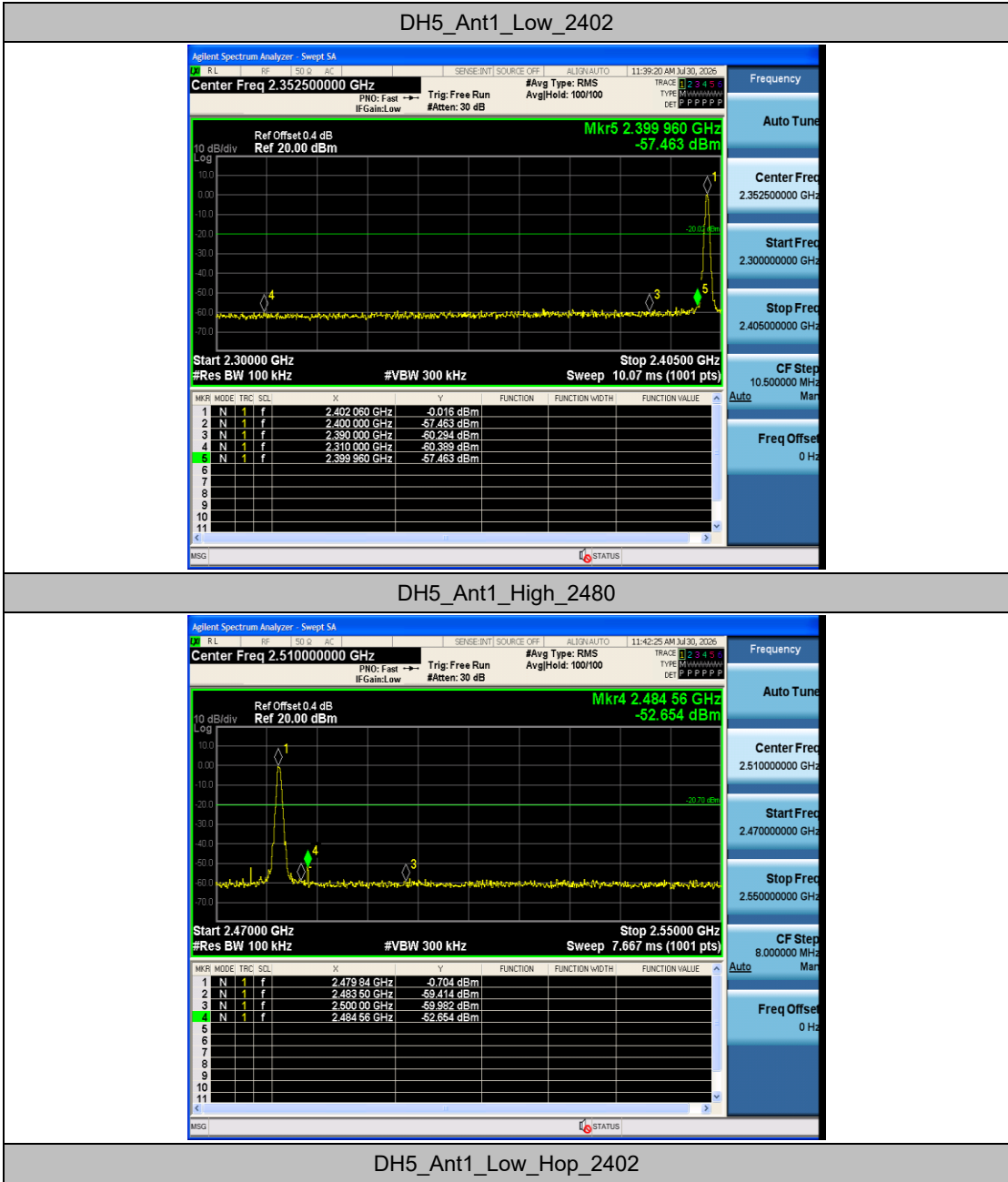


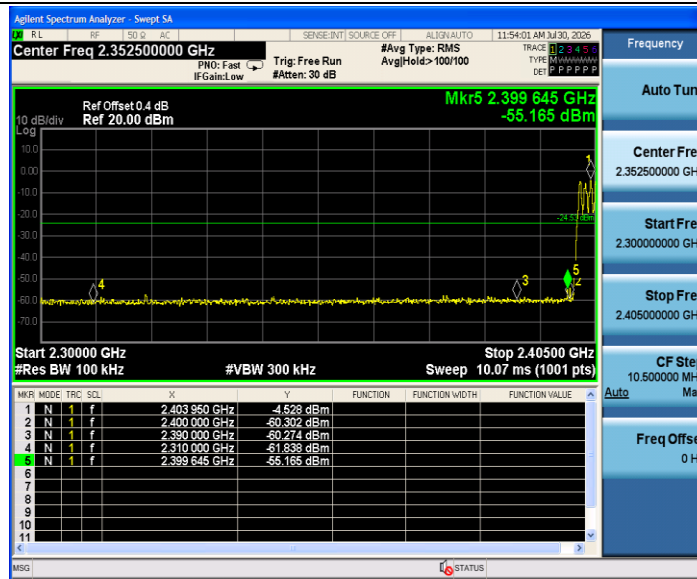
Appendix G: Band edge measurements

Test Result

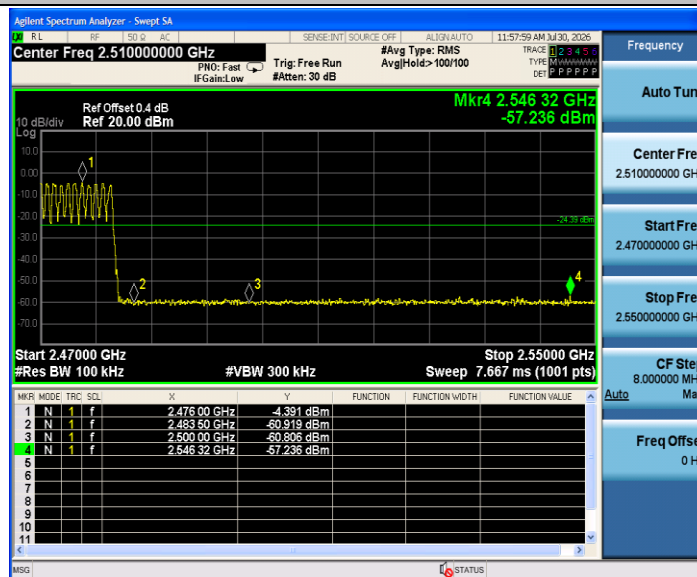
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.02	-57.46	≤ -20.02	PASS
		High	2480	-0.70	-52.65	≤ -20.7	PASS
		Low	Hop_2402	-4.53	-55.17	≤ -24.53	PASS
		High	Hop_2480	-4.39	-57.24	≤ -24.39	PASS
2DH5	Ant1	Low	2402	-3.52	-57.41	≤ -23.52	PASS
		High	2480	-5.12	-58.43	≤ -25.12	PASS
		Low	Hop_2402	-5.06	-56.04	≤ -25.06	PASS
		High	Hop_2480	-4.00	-57.66	≤ -24	PASS
3DH5	Ant1	Low	2402	-6.28	-57.15	≤ -26.28	PASS
		High	2480	-4.59	-58.02	≤ -24.59	PASS
		Low	Hop_2402	-4.30	-58.11	≤ -24.3	PASS
		High	Hop_2480	-3.98	-57.17	≤ -23.98	PASS

Test Graphs

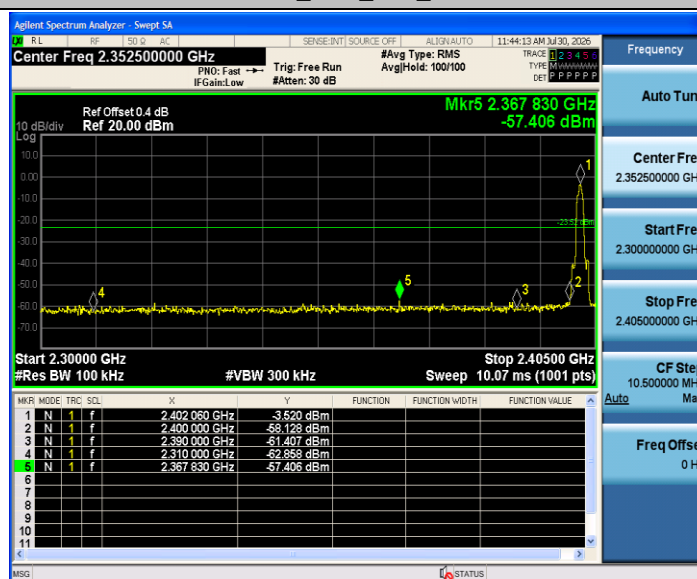




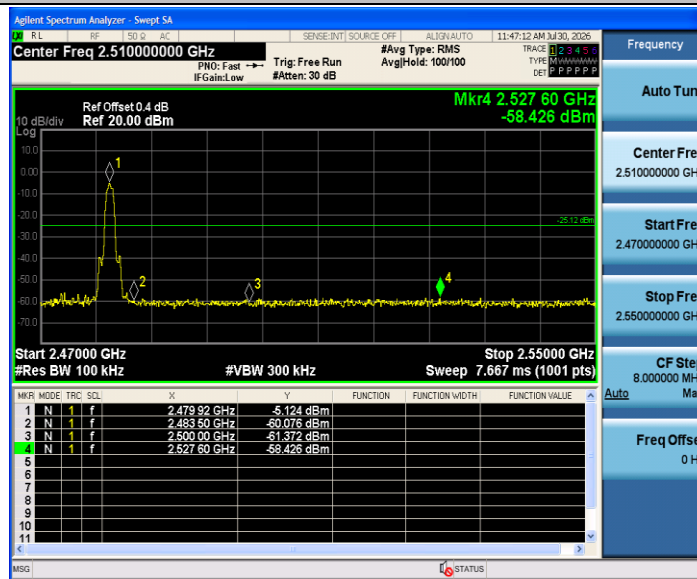
DH5_Ant1_High_Hop_2480



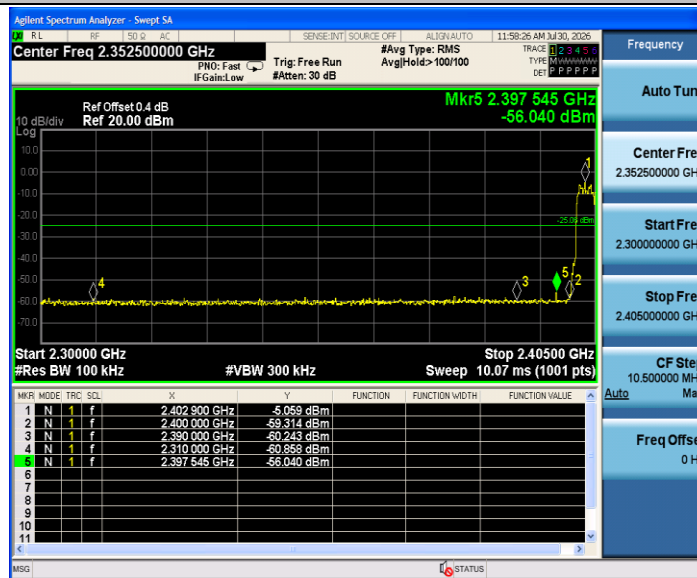
2DH5_Ant1_Low_2402



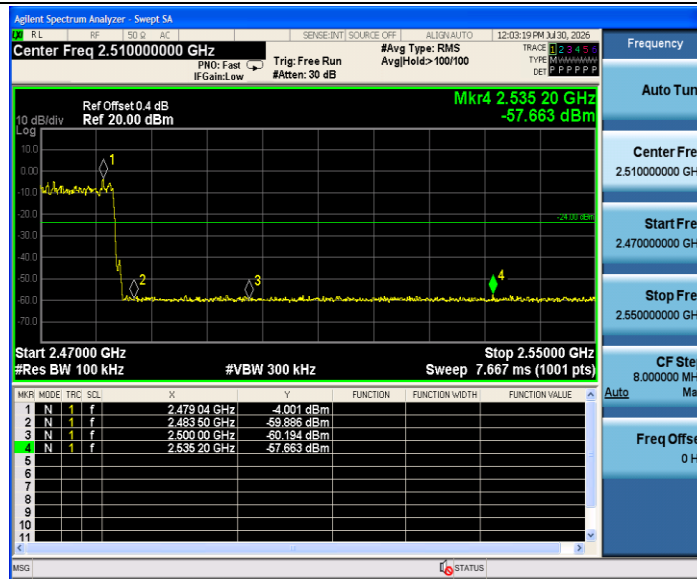
2DH5_Ant1_High_2480



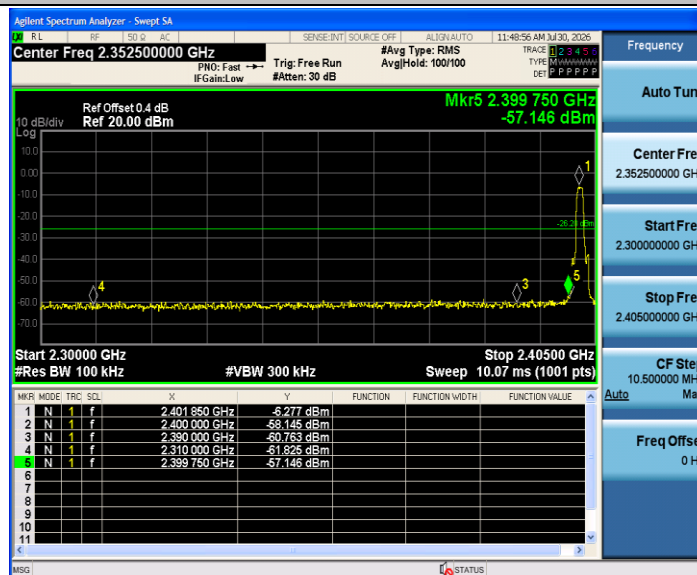
2DH5_Ant1_Low_Hop_2402



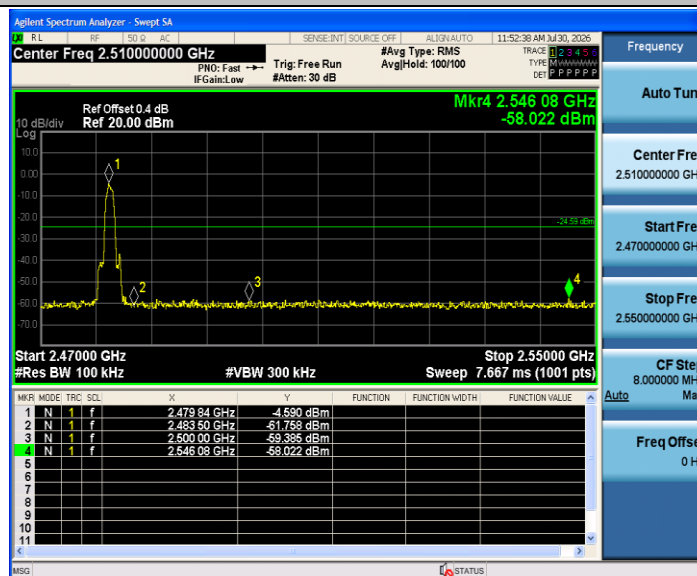
2DH5_Ant1_High_Hop_2480



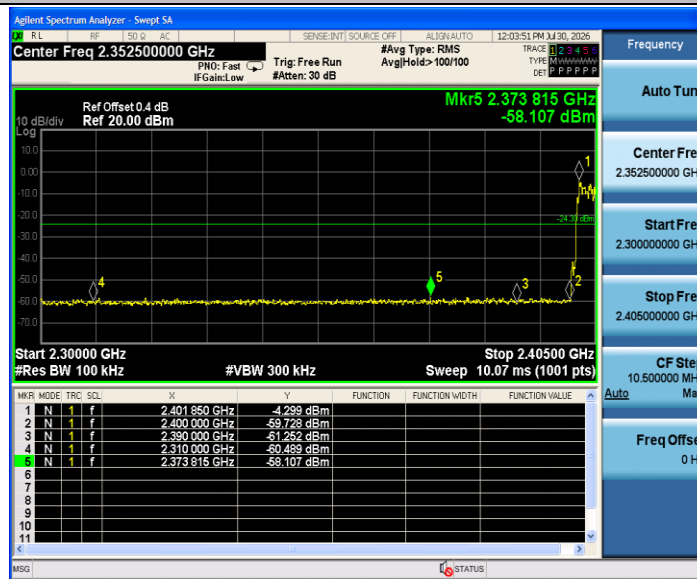
3DH5_Ant1_Low_2402



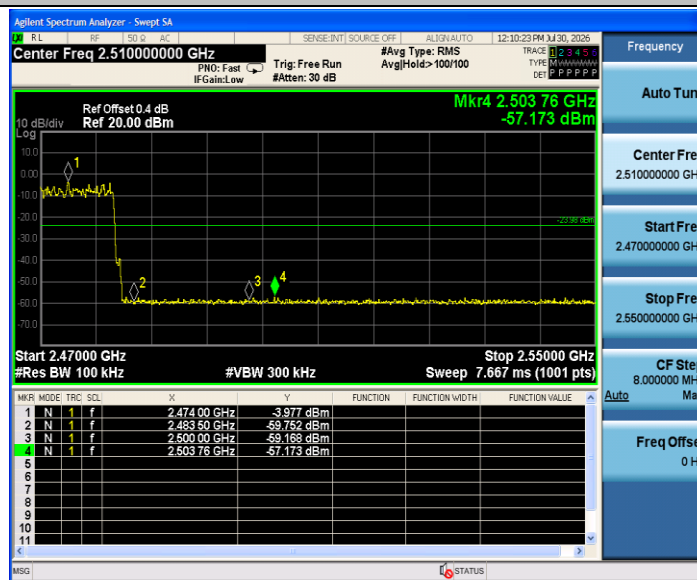
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

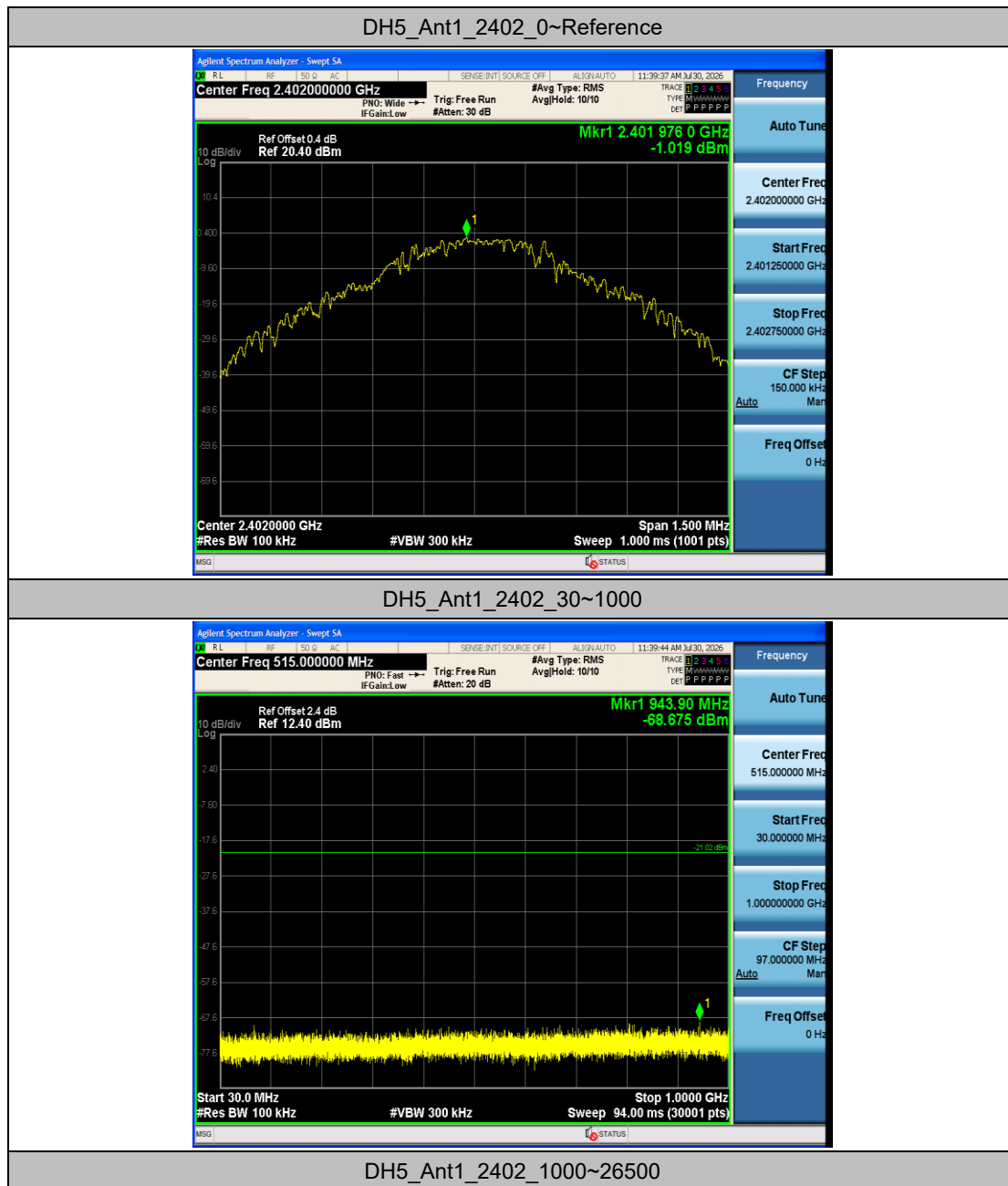


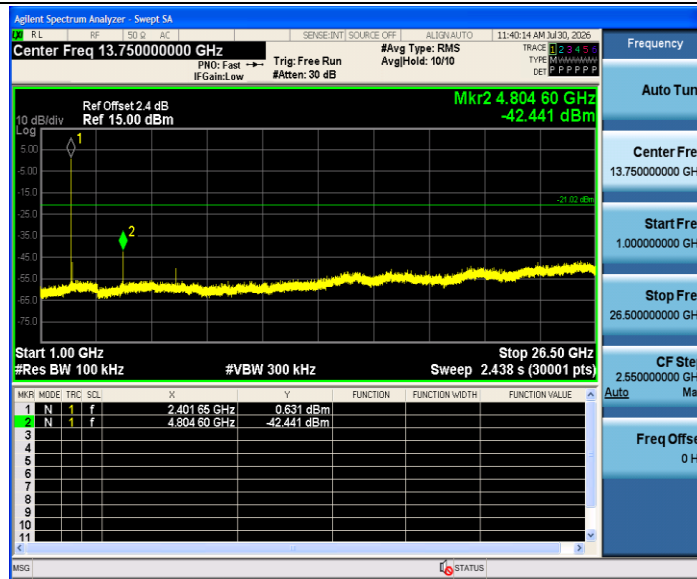
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-68.68	≤-21.02	PASS
			1000~26500	-1.02	-42.44	≤-21.02	PASS
		2441	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-69.29	≤-21.08	PASS
			1000~26500	-1.08	-39.36	≤-21.08	PASS
		2480	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-68.05	≤-21.52	PASS
			1000~26500	-1.52	-41.9	≤-21.52	PASS
2DH5	Ant1	2402	Reference	-4.99	-4.99	---	PASS
			30~1000	-4.99	-69.18	≤-24.99	PASS
			1000~26500	-4.99	-46.41	≤-24.99	PASS
		2441	Reference	-4.86	-4.86	---	PASS
			30~1000	-4.86	-65.48	≤-24.86	PASS
			1000~26500	-4.86	-47.18	≤-24.86	PASS
		2480	Reference	-7.11	-7.11	---	PASS
			30~1000	-7.11	-69.28	≤-27.11	PASS
			1000~26500	-7.11	-46.11	≤-27.11	PASS
3DH5	Ant1	2402	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-69.59	≤-25.14	PASS
			1000~26500	-5.14	-45.27	≤-25.14	PASS
		2441	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-67.03	≤-25.19	PASS
			1000~26500	-5.19	-46.59	≤-25.19	PASS
		2480	Reference	-4.73	-4.73	---	PASS
			30~1000	-4.73	-67.35	≤-24.73	PASS
			1000~26500	-4.73	-46.82	≤-24.73	PASS

Test Graphs

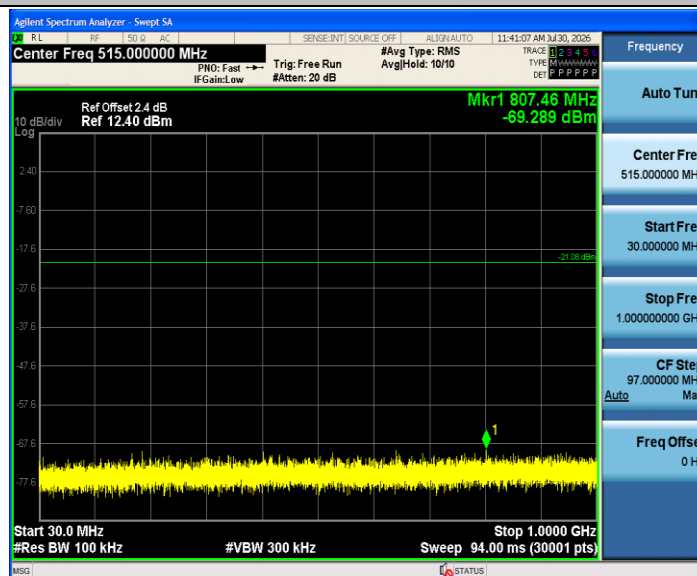




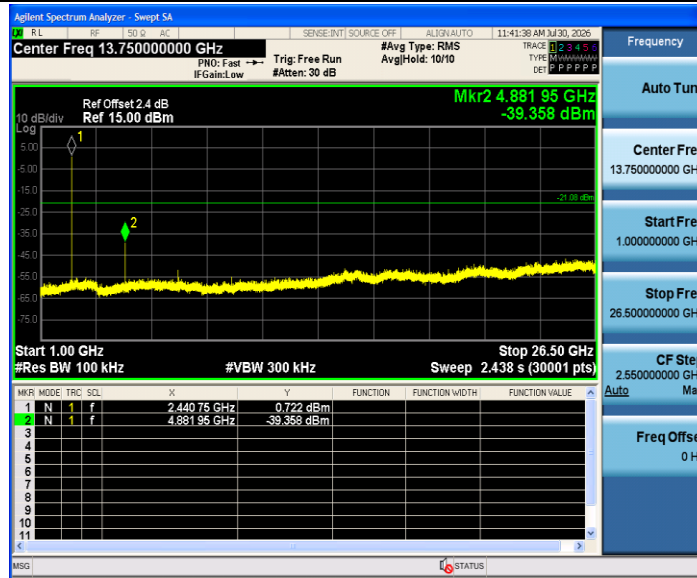
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



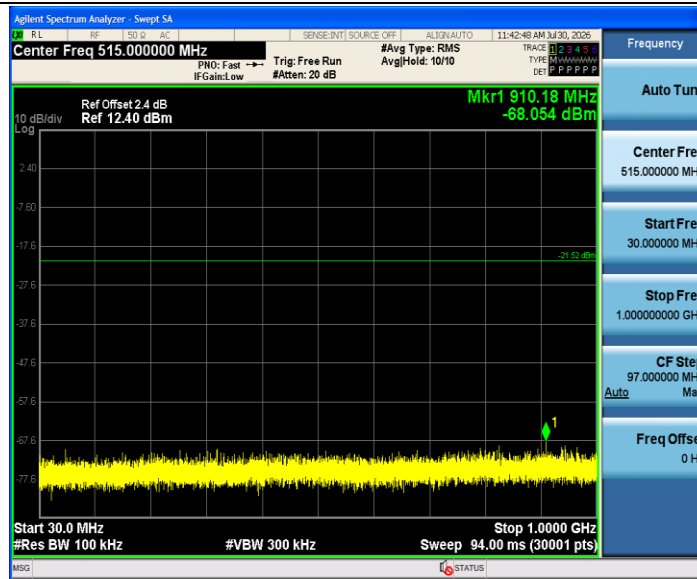
DH5_Ant1_2441_1000~26500



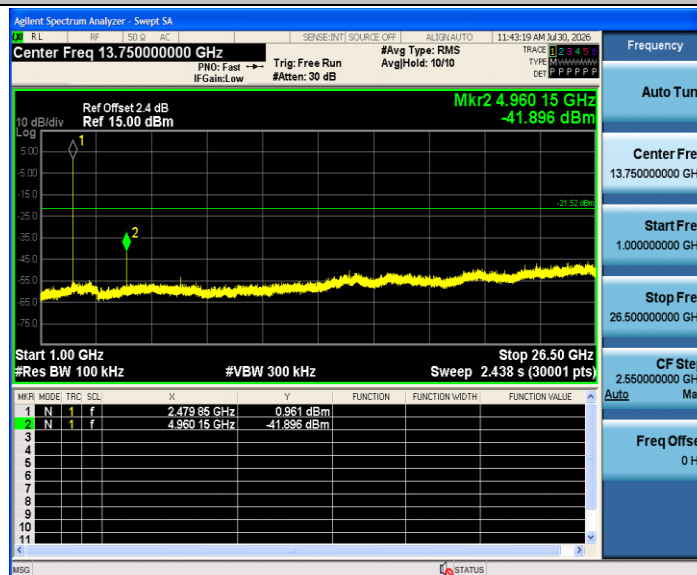
DH5_Ant1_2480_0~Reference



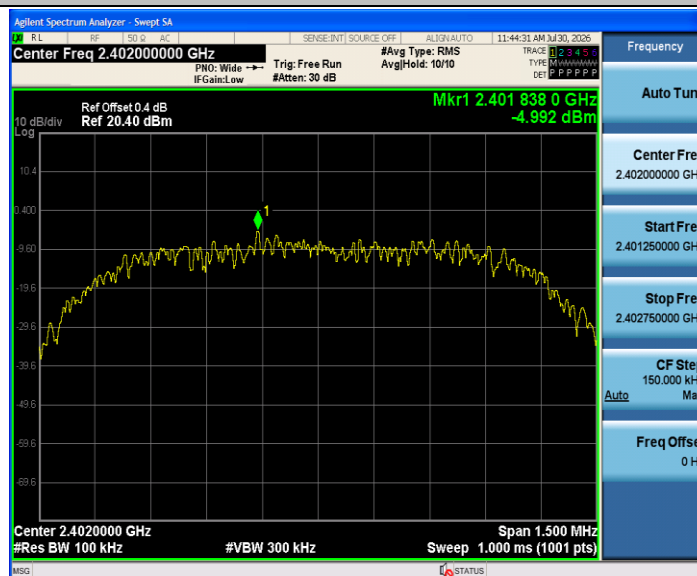
DH5_Ant1_2480_30~1000



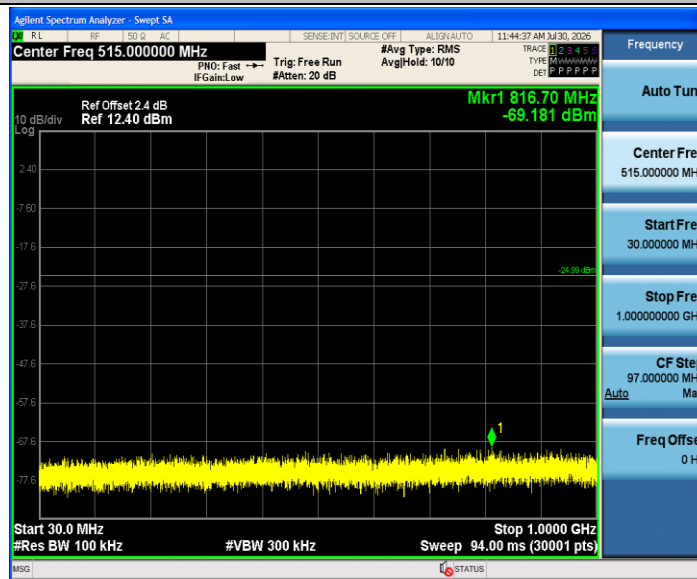
DH5_Ant1_2480_1000~26500



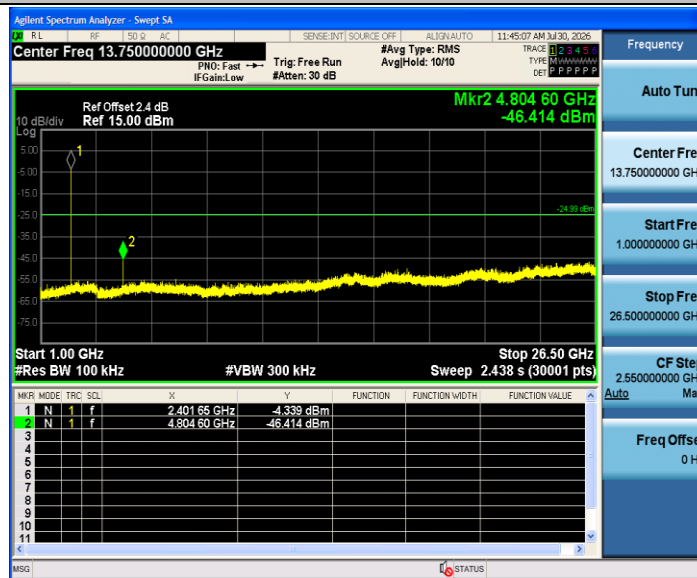
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference