

FCC Appendix RF Test Data for BT

FCC ID : 2BGX7-P06

Company : Shenzhen Ivante Technology Co., Ltd

EUT : Outdoor Bluetooth speakers

Model Number : P06

Report No. : CTA26013001301

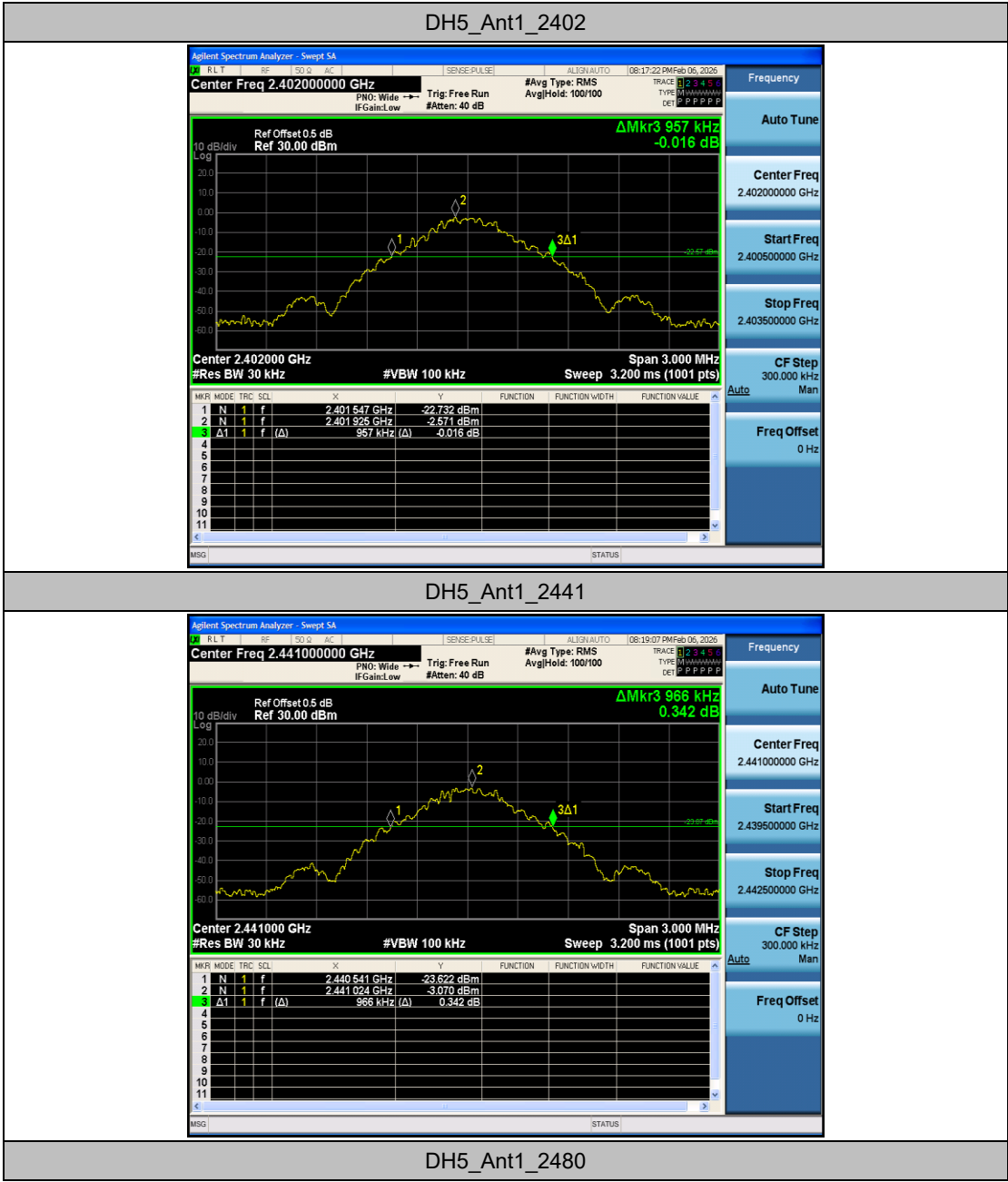
Reviewed By : Eric Wang

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	2401.547	2402.504	---	---
		2441	0.966	2440.541	2441.507	---	---
		2480	0.951	2479.550	2480.501	---	---
2DH5	Ant1	2402	1.284	2401.376	2402.660	---	---
		2441	1.287	2440.376	2441.663	---	---
		2480	1.329	2479.346	2480.675	---	---
3DH5	Ant1	2402	1.296	2401.367	2402.663	---	---
		2441	1.344	2440.337	2441.681	---	---
		2480	1.314	2479.358	2480.672	---	---

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

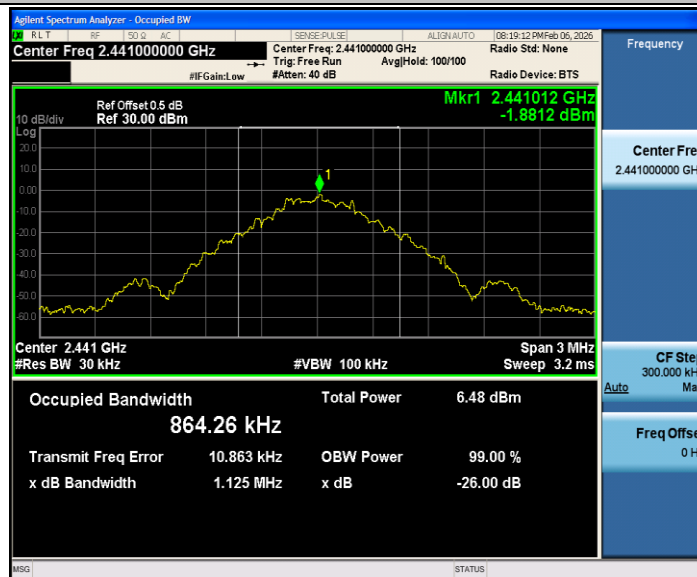
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86974	2401.5784	2402.4481	---	---
		2441	0.86426	2440.5787	2441.4430	---	---
		2480	0.85901	2479.5771	2480.4361	---	---
2DH5	Ant1	2402	1.1968	2401.4138	2402.6106	---	---
		2441	1.1956	2440.4138	2441.6094	---	---
		2480	1.1803	2479.4192	2480.5995	---	---
3DH5	Ant1	2402	1.1924	2401.4148	2402.6072	---	---
		2441	1.1912	2440.4157	2441.6069	---	---
		2480	1.1808	2479.4215	2480.6023	---	---

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	0.24	≤20.97	PASS
		2441	-0.14	≤20.97	PASS
		2480	-0.22	≤20.97	PASS
2DH5	Ant1	2402	-0.88	≤20.97	PASS
		2441	-0.99	≤20.97	PASS
		2480	-1.04	≤20.97	PASS
3DH5	Ant1	2402	-0.25	≤20.97	PASS
		2441	-0.63	≤20.97	PASS
		2480	-0.70	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.966	PASS
2DH5	Ant1	Hop	0.952	≥ 0.886	PASS
3DH5	Ant1	Hop	1.002	≥ 0.896	PASS

Test Graphs



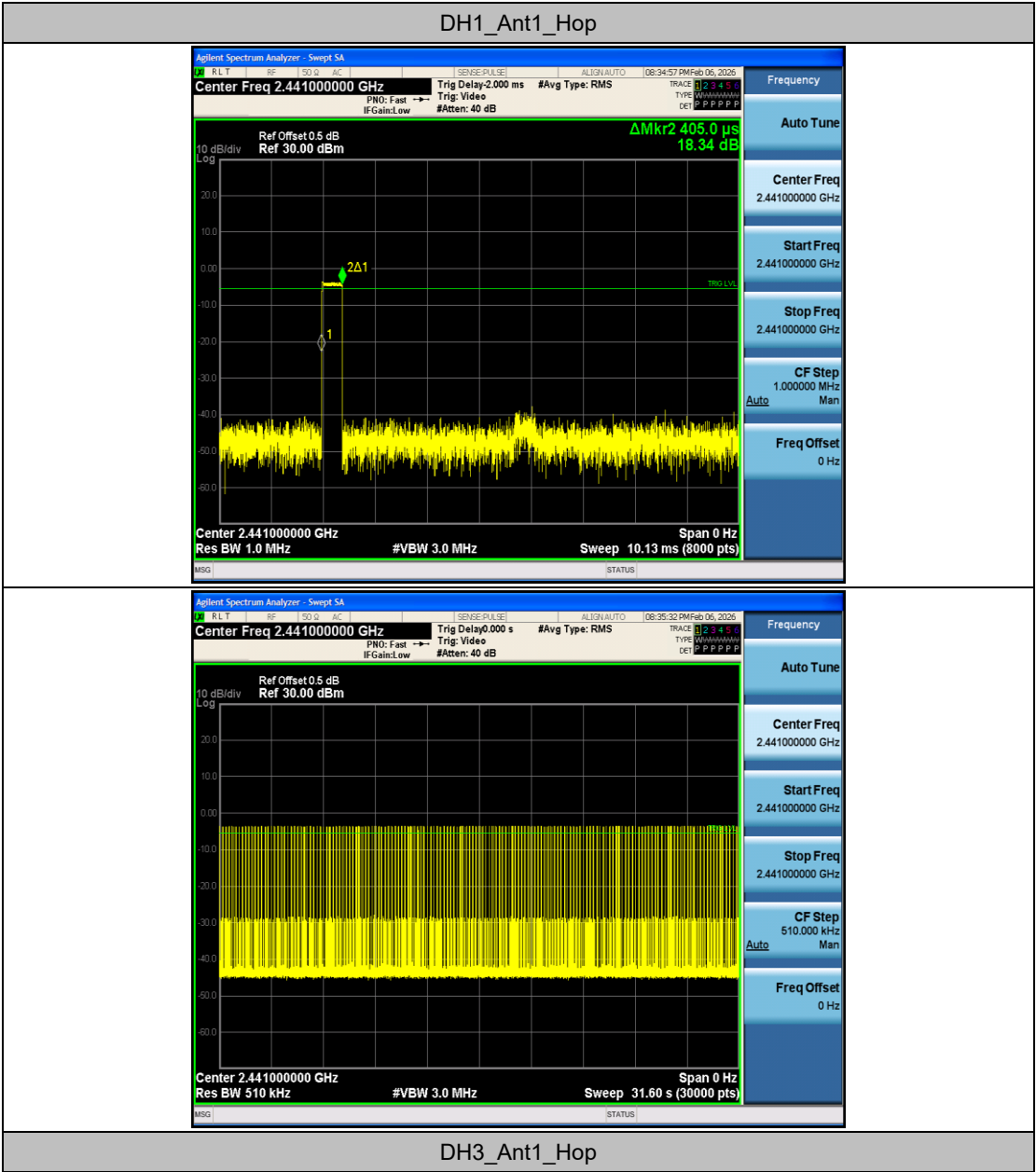


Appendix E: Time of occupancy

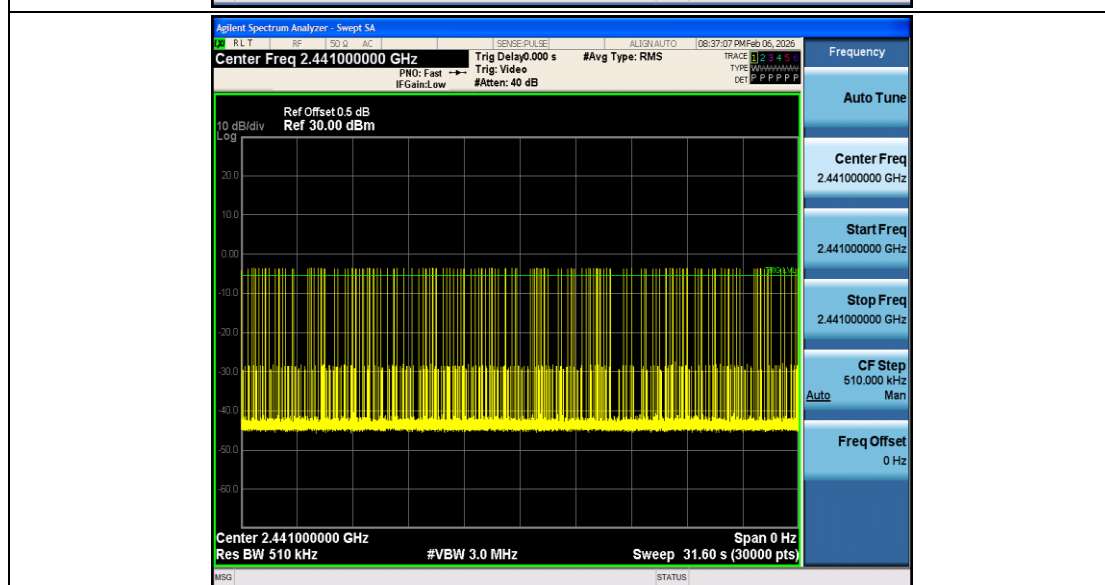
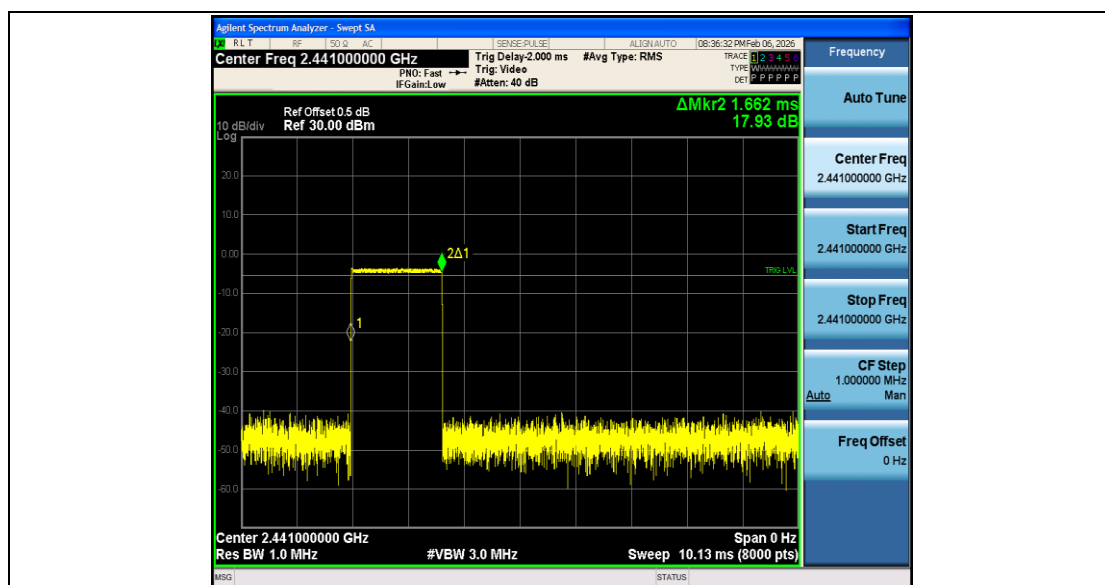
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	315	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.662	163	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.910	103	0.3	≤0.4	PASS
2DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.916	97	0.283	≤0.4	PASS
3DH1	Ant1	Hop	0.414	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	162	0.27	≤0.4	PASS
3DH5	Ant1	Hop	2.917	118	0.344	≤0.4	PASS

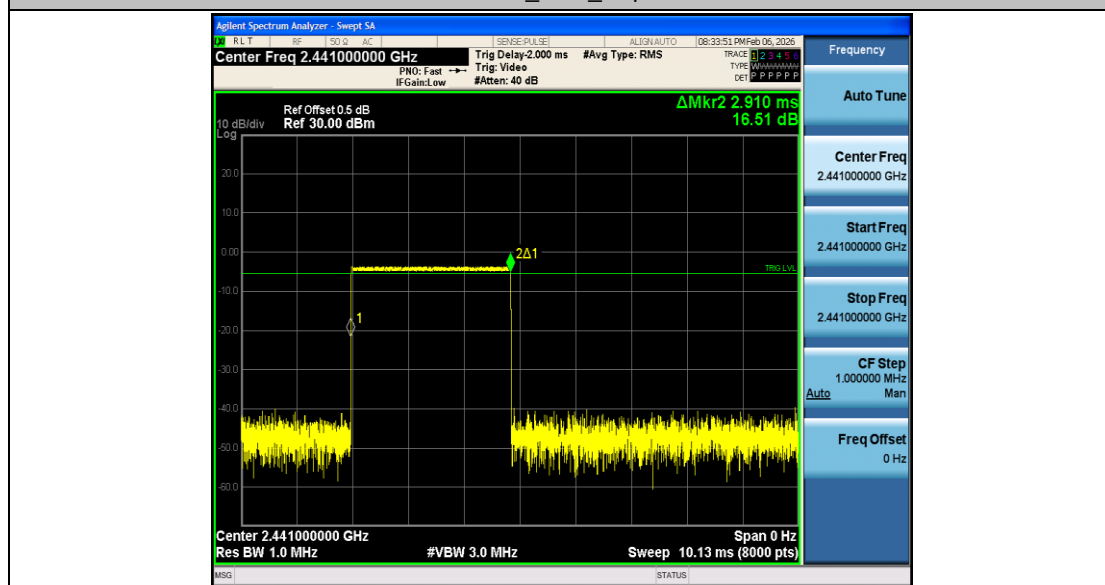
Test Graphs

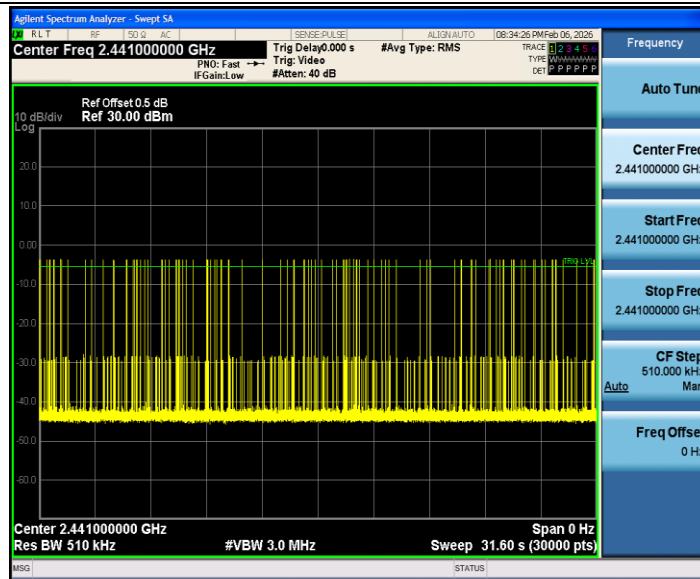


DH3_Ant1_Hop

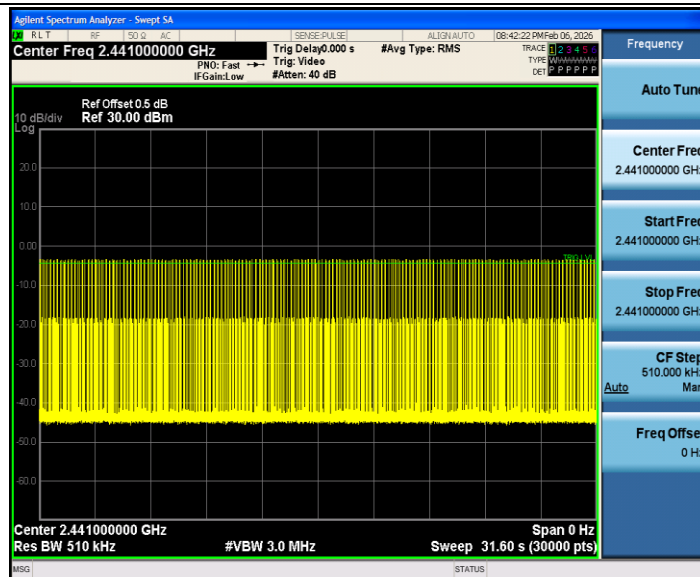
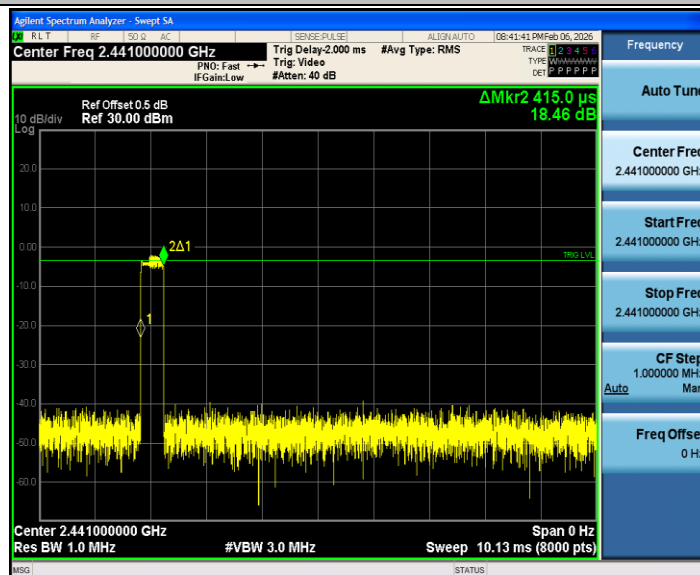


DH5_Ant1_Hop

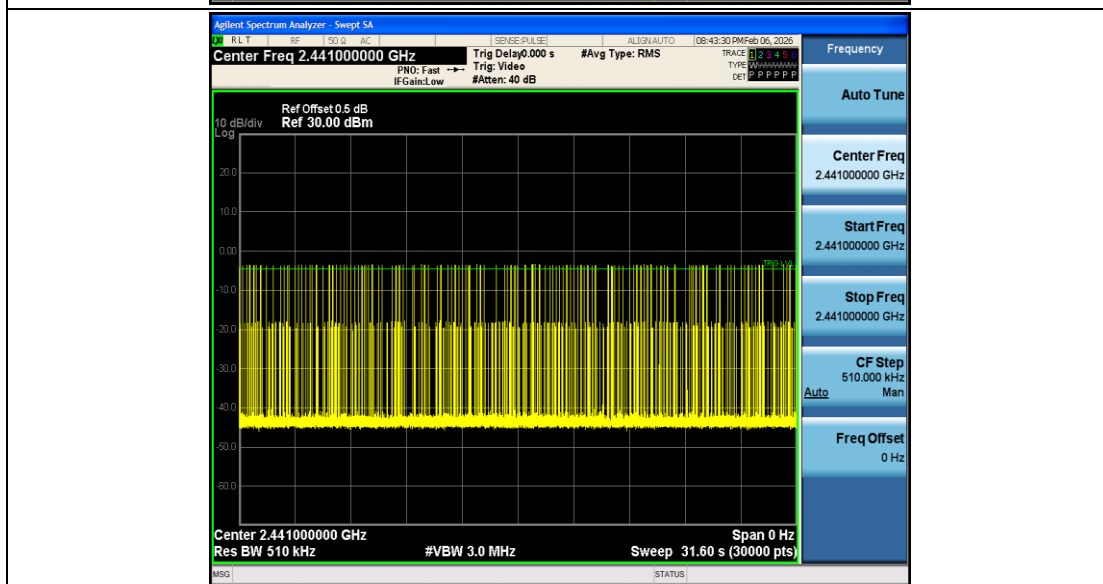
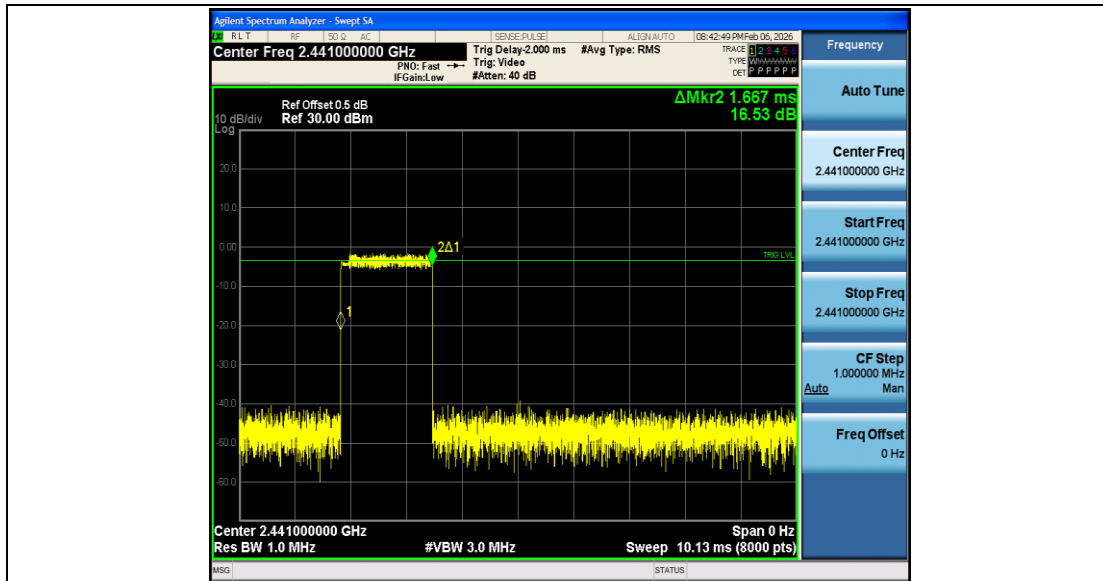




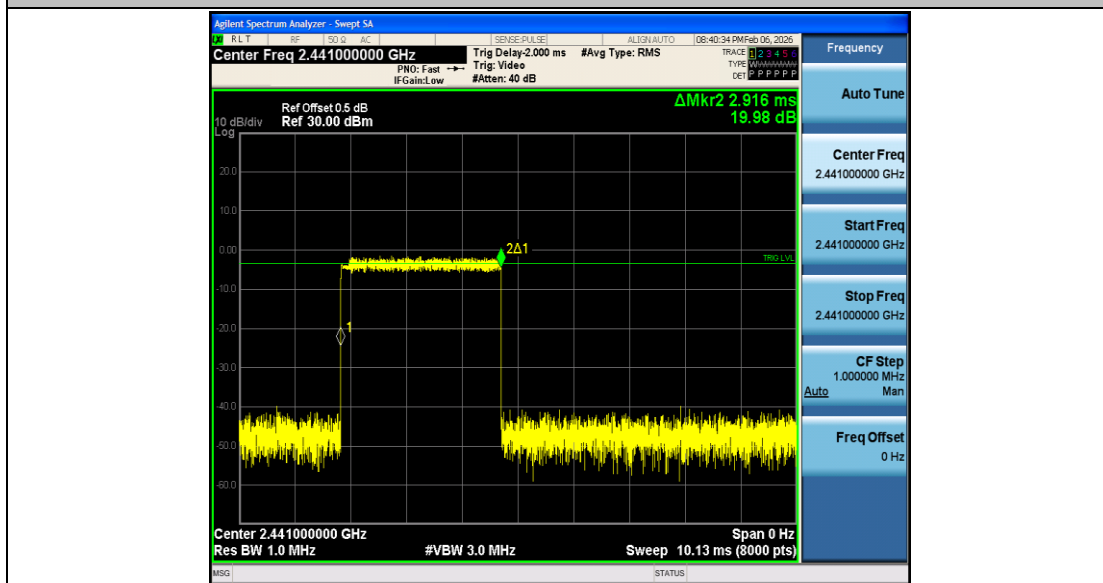
2DH1_Ant1_Hop

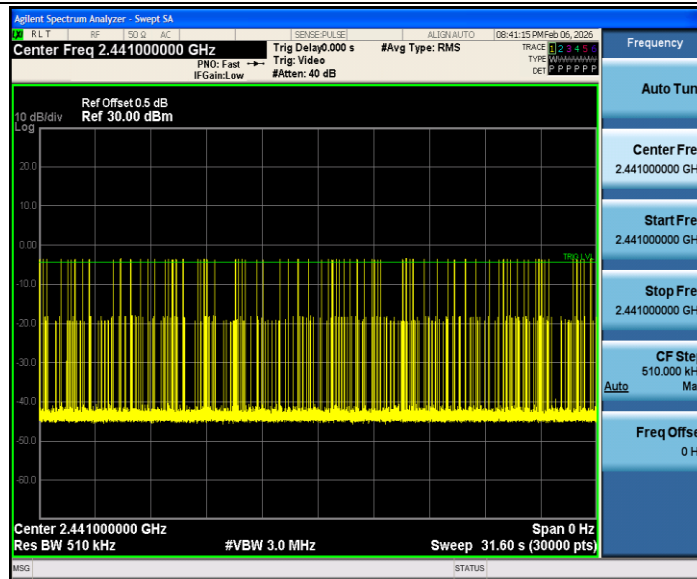


2DH3_Ant1_Hop

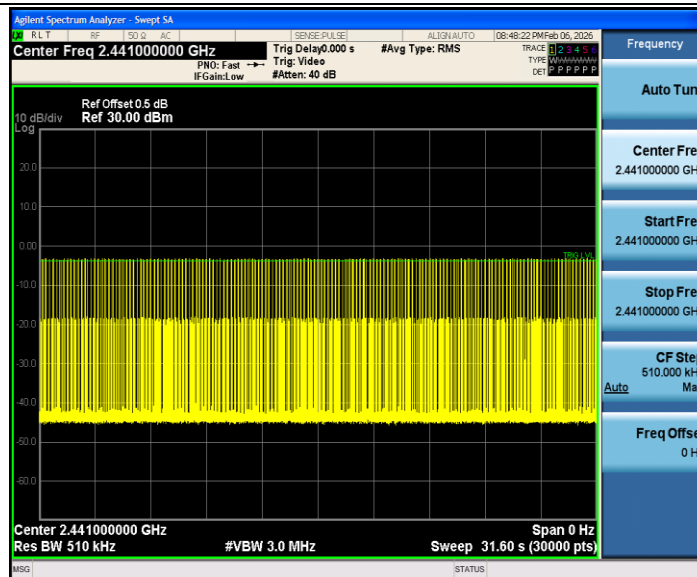
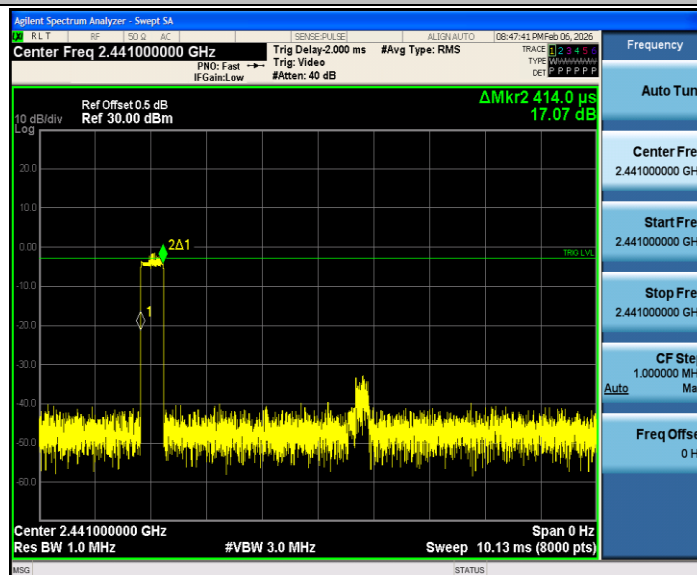


2DH5_Ant1_Hop

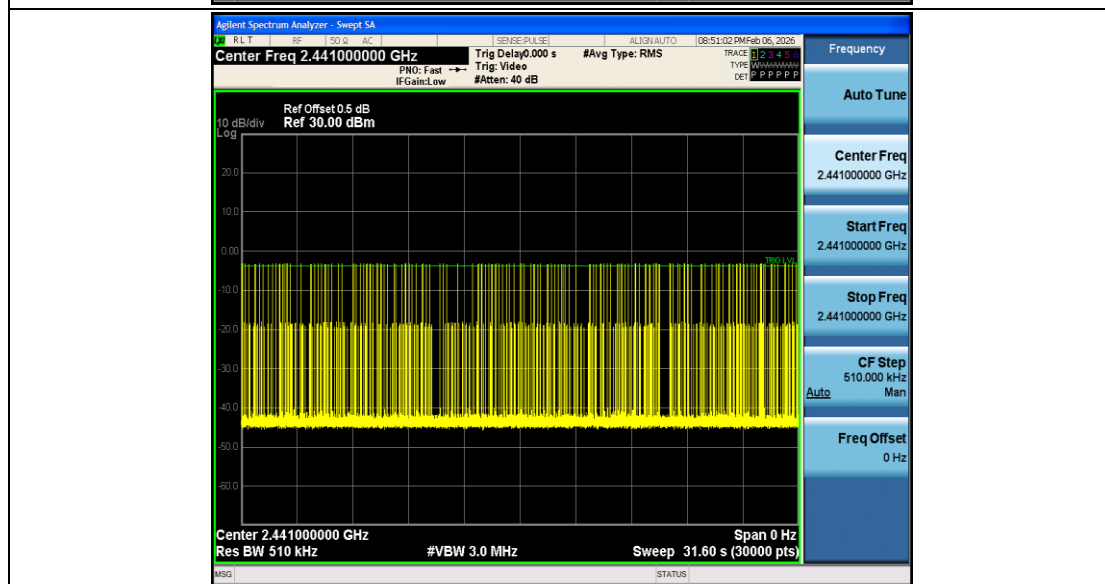
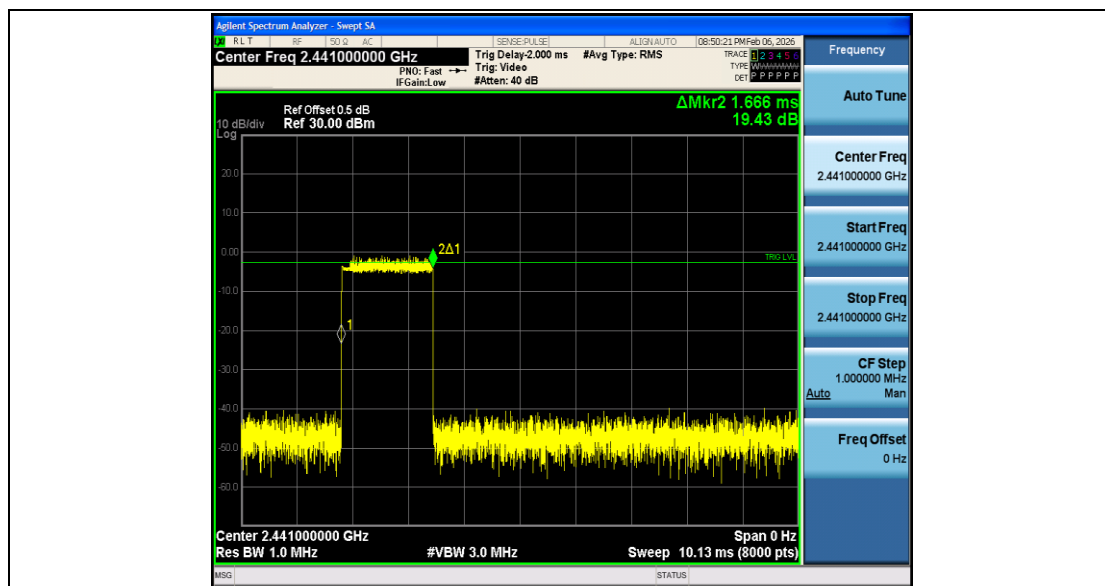




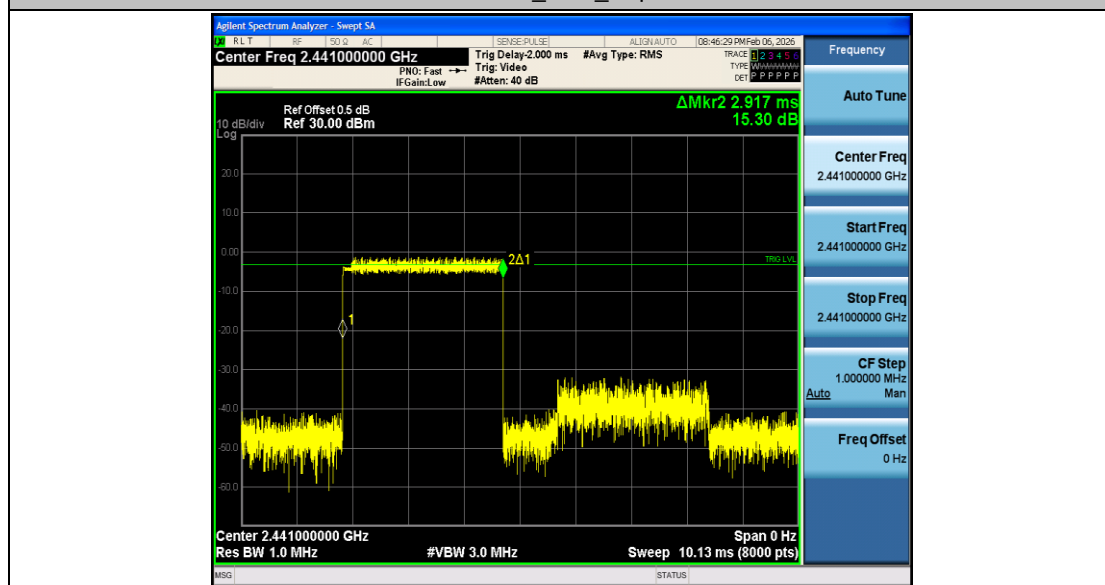
3DH1_Ant1_Hop

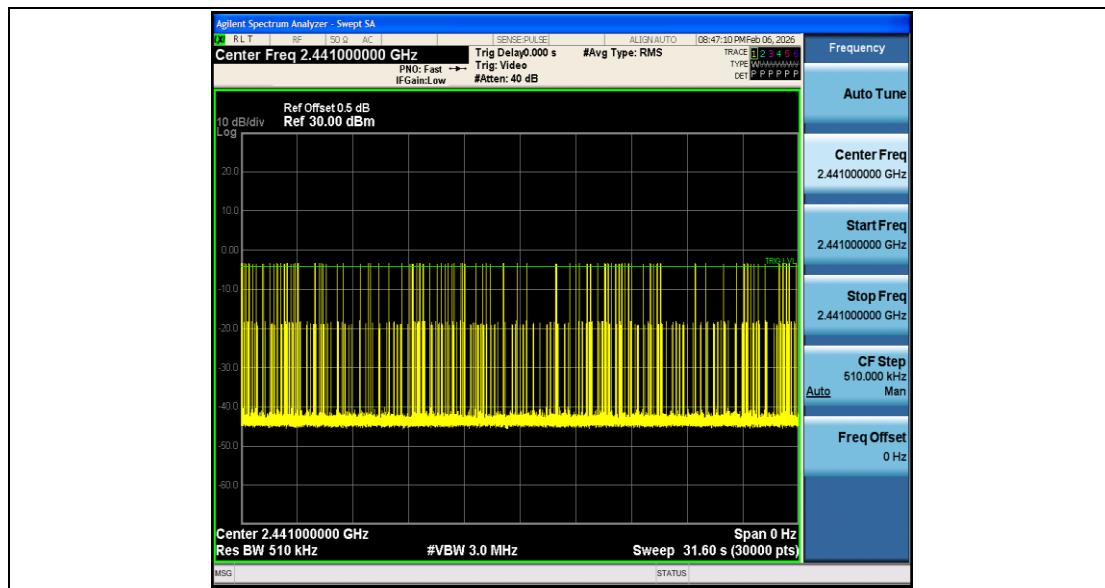


3DH3_Ant1_Hop



3DH5_Ant1_Hop



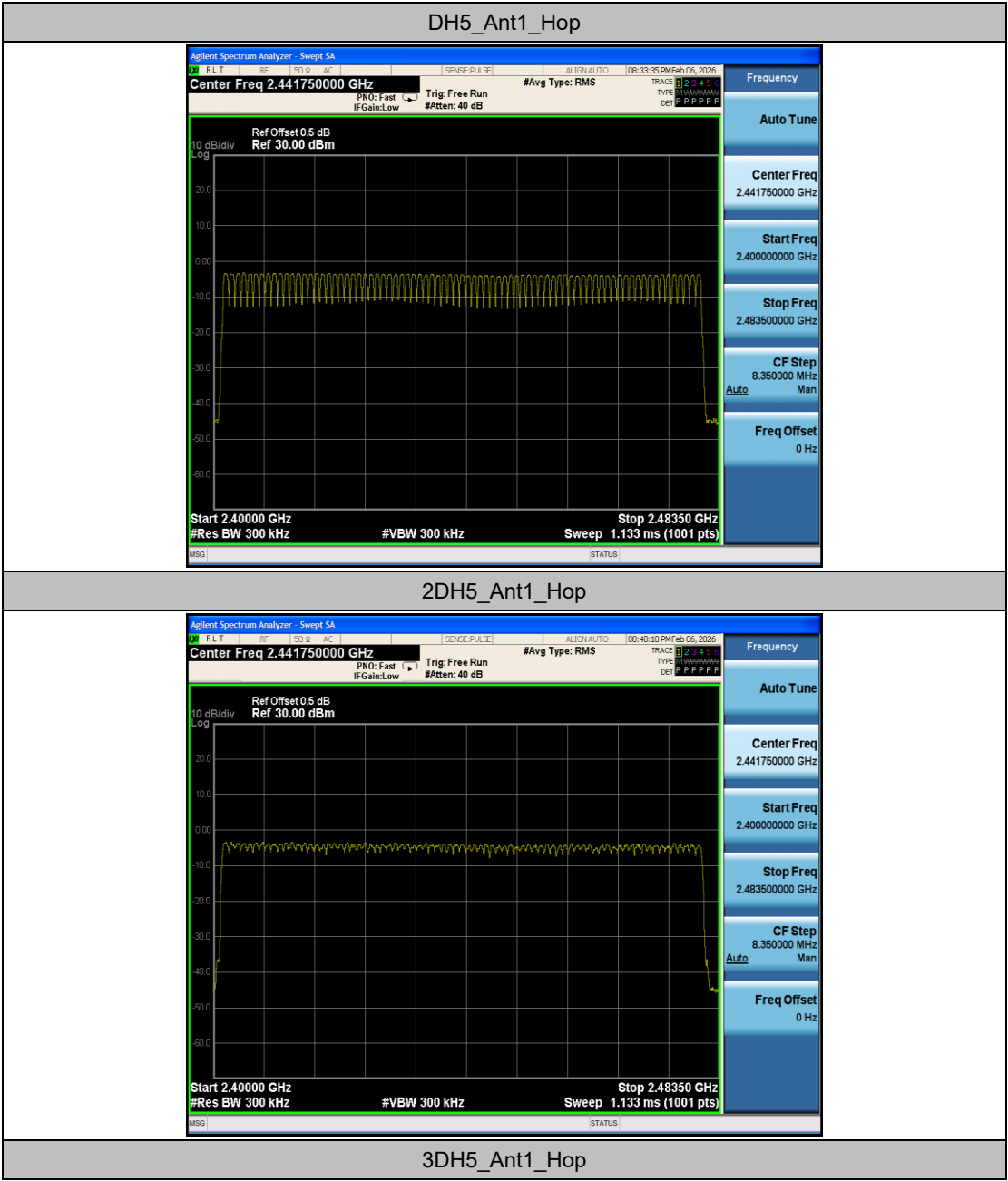


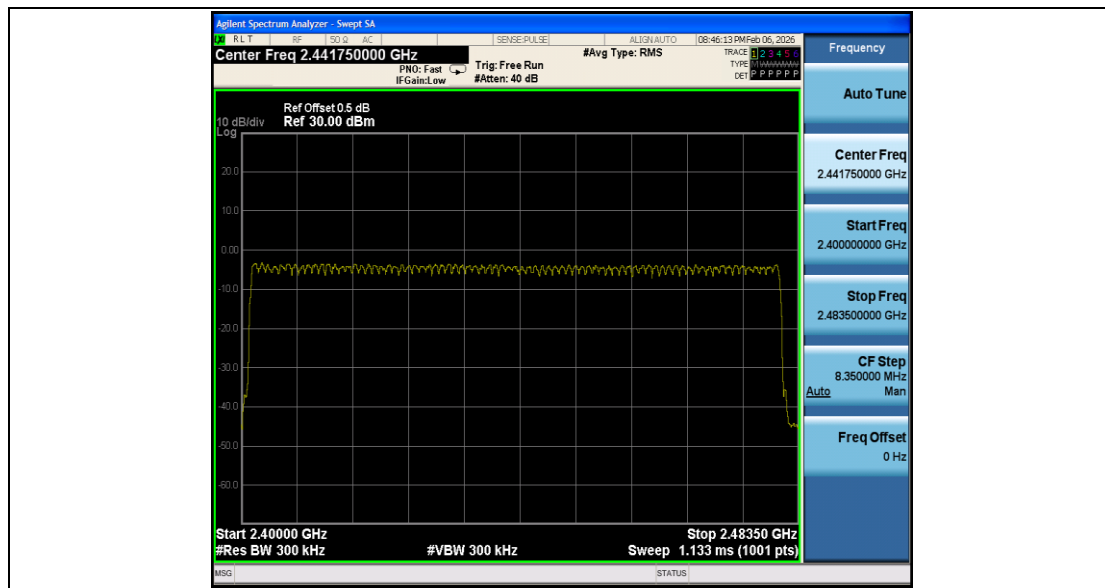
Appendix F: Number of hopping channels

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



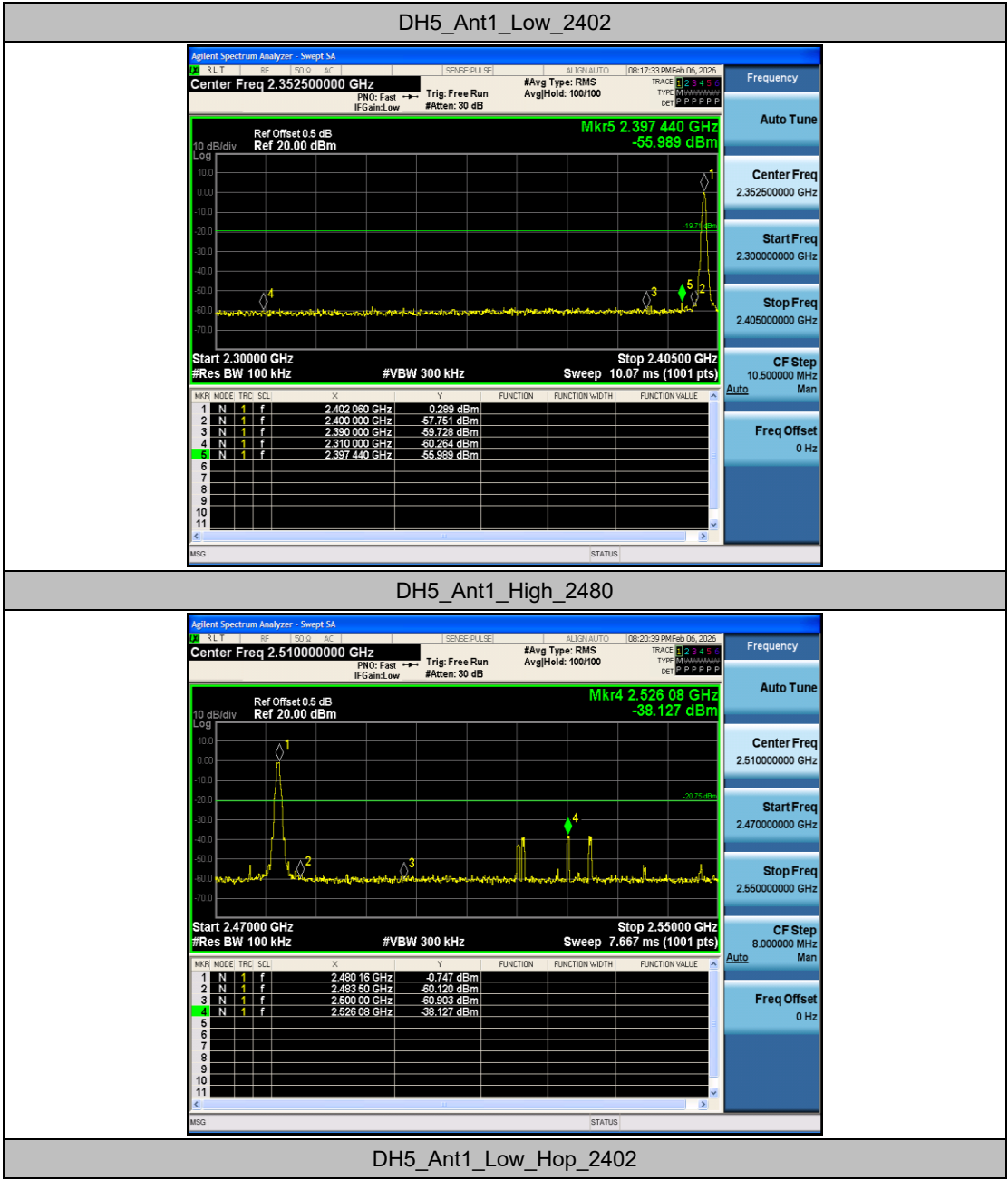


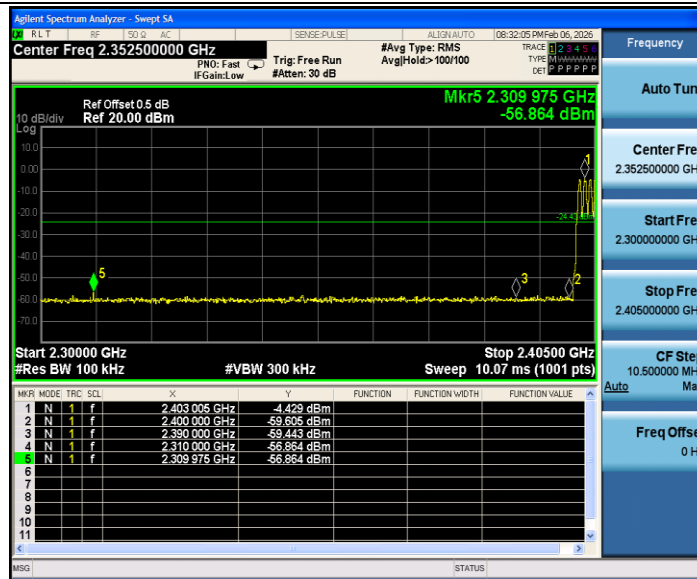
Appendix G: Band edge measurements

Test Result

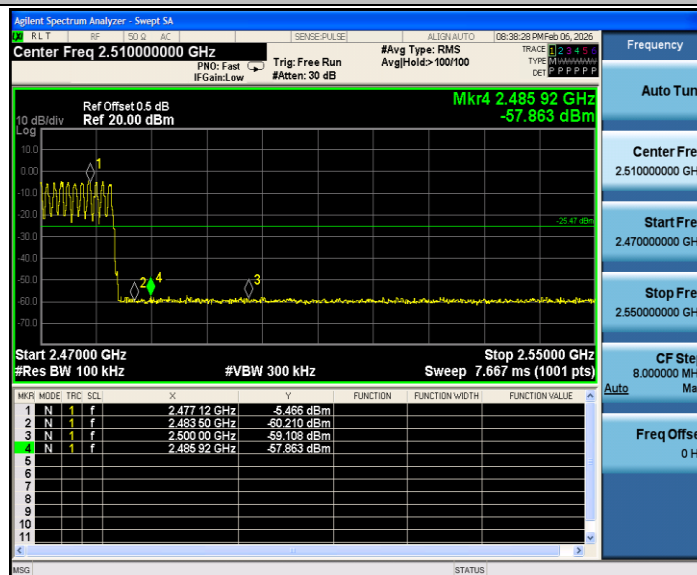
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.29	-55.99	≤-19.71	PASS
		High	2480	-0.75	-38.13	≤-20.75	PASS
		Low	Hop_2402	-4.43	-56.86	≤-24.43	PASS
		High	Hop_2480	-5.47	-57.86	≤-25.47	PASS
2DH5	Ant1	Low	2402	-0.56	-49.34	≤-20.56	PASS
		High	2480	-4.92	-45.48	≤-24.92	PASS
		Low	Hop_2402	-4.21	-57.68	≤-24.21	PASS
		High	Hop_2480	-4.40	-57.24	≤-24.4	PASS
3DH5	Ant1	Low	2402	-4.46	-57.7	≤-24.46	PASS
		High	2480	-4.34	-56.92	≤-24.34	PASS
		Low	Hop_2402	-8.12	-57.01	≤-28.12	PASS
		High	Hop_2480	-3.70	-57.47	≤-23.7	PASS

Test Graphs

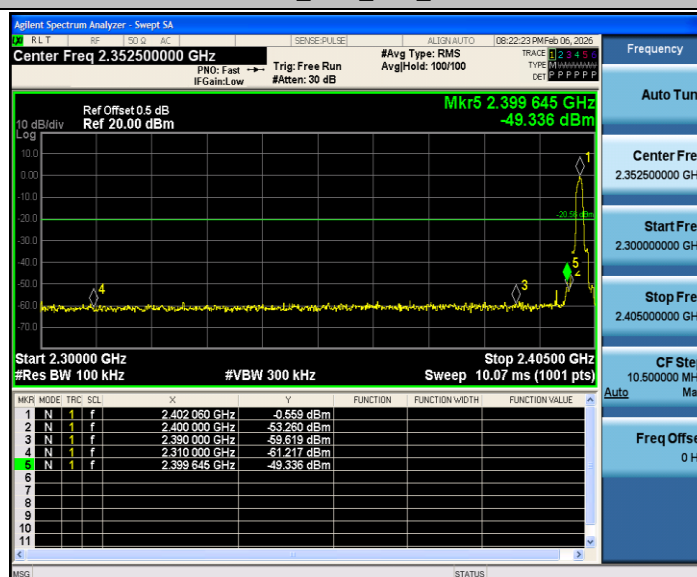




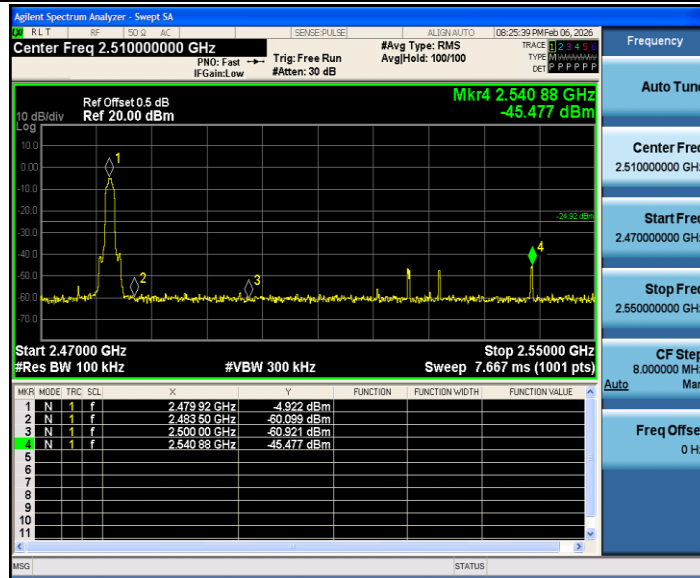
DH5_Ant1_High_Hop_2480



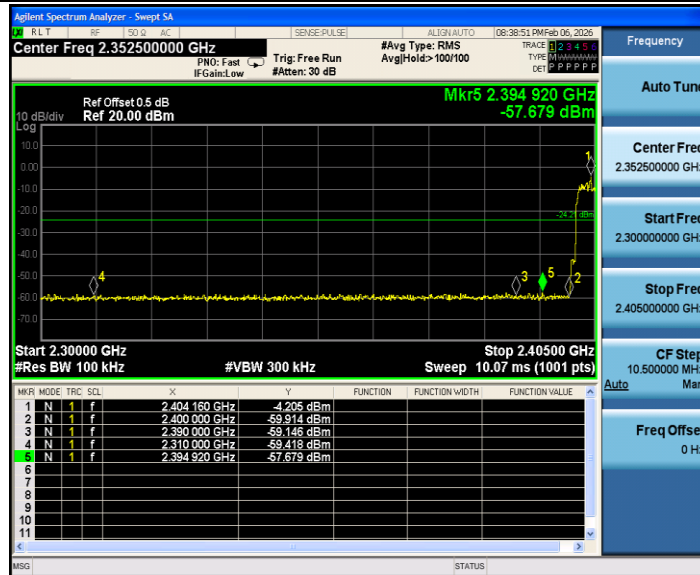
2DH5_Ant1_Low_2402



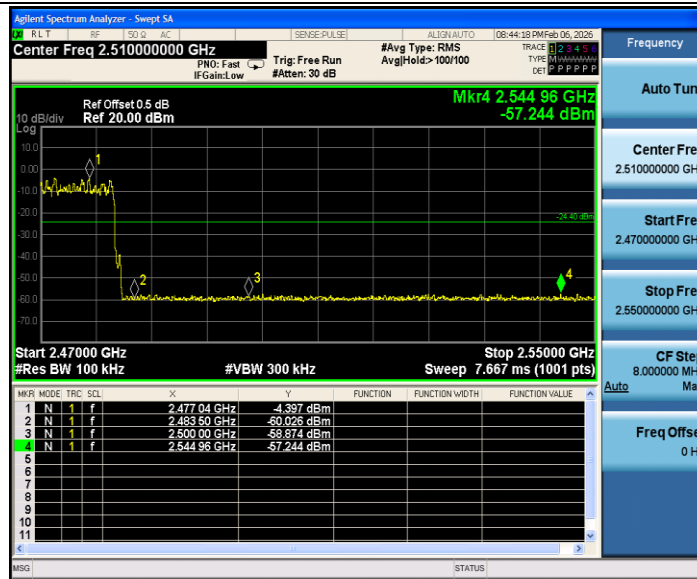
2DH5_Ant1_High_2480



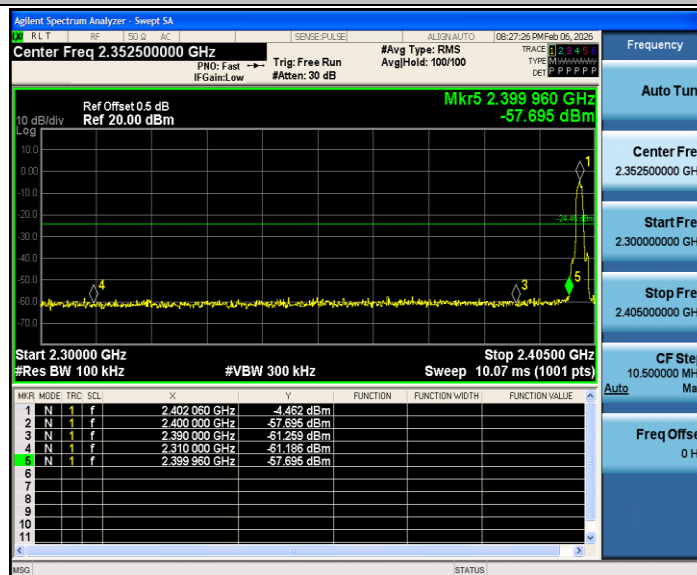
2DH5_Ant1_Low_Hop_2402



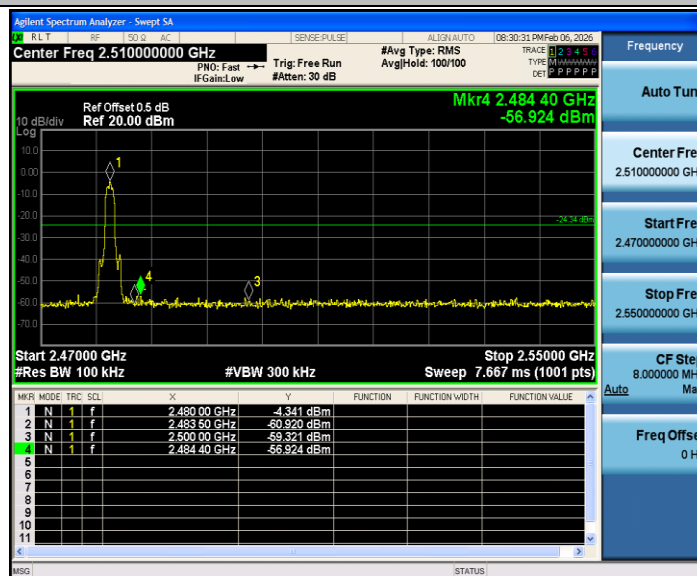
2DH5_Ant1_High_Hop_2480



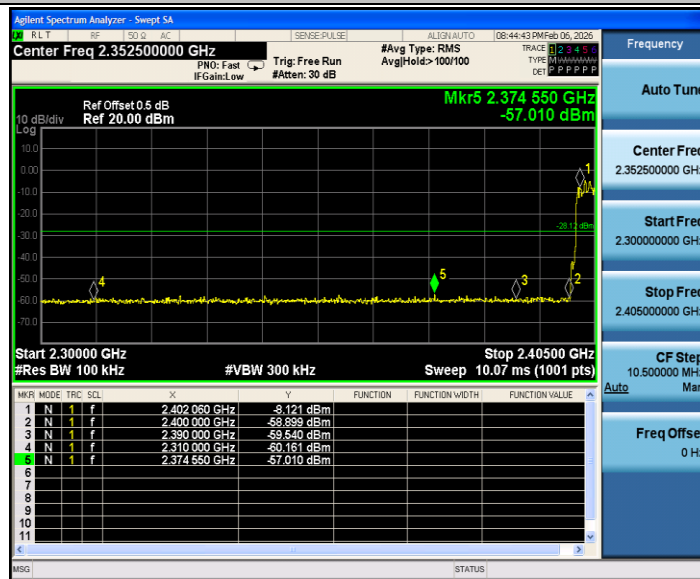
3DH5_Ant1_Low_2402



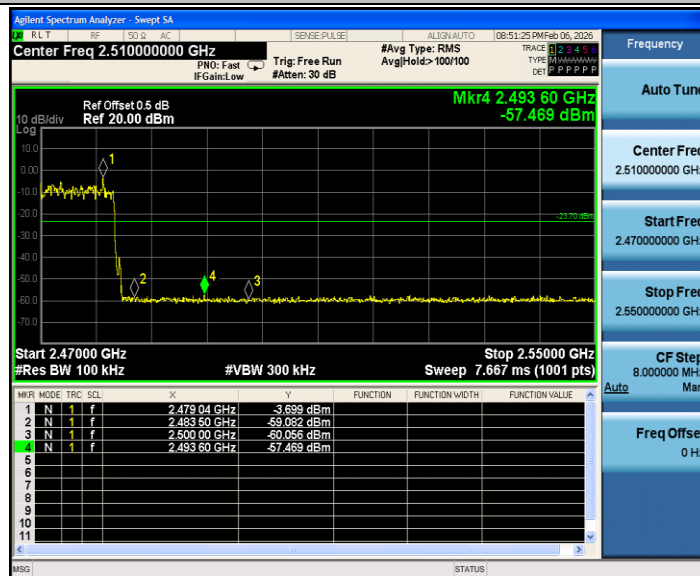
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

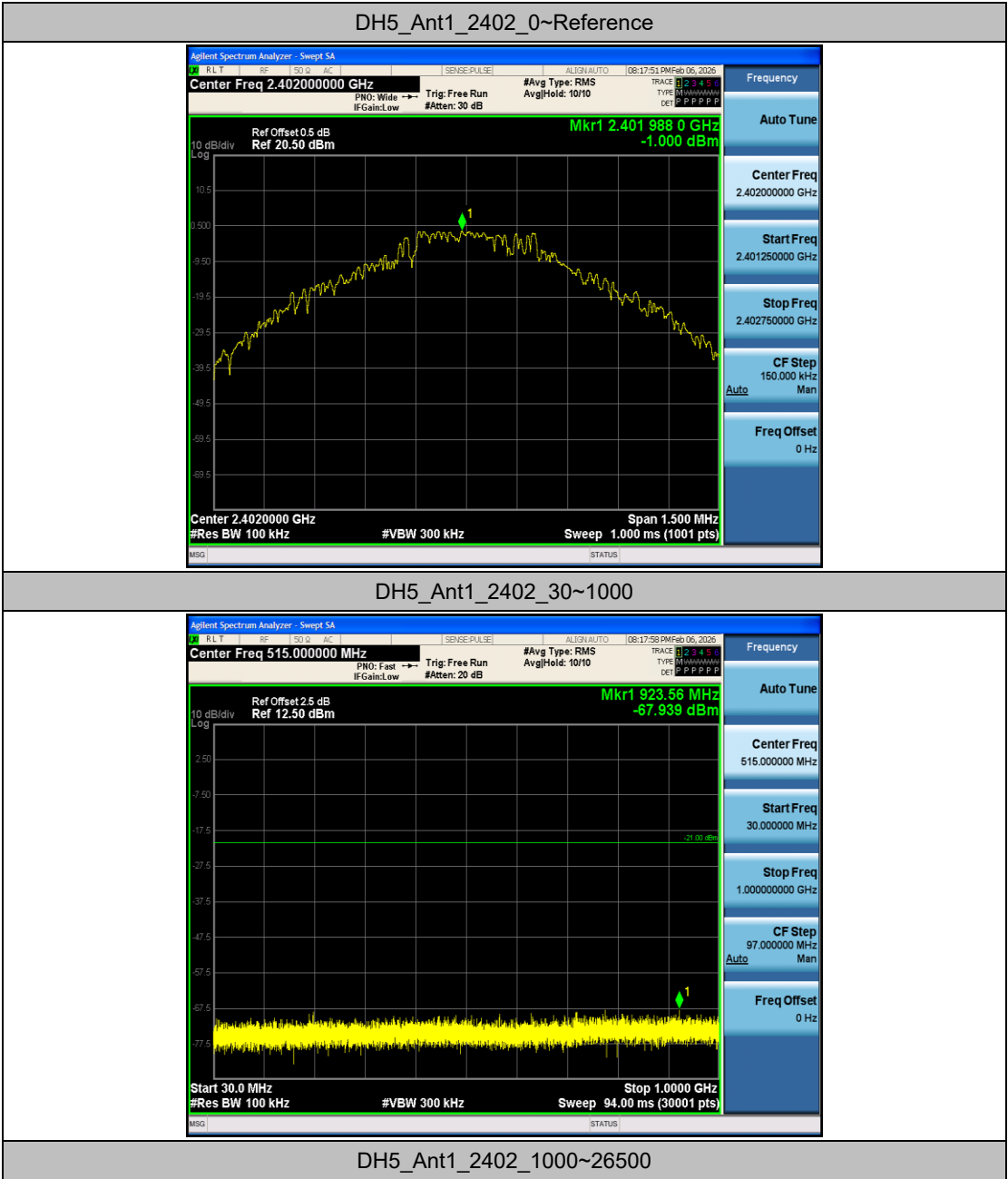


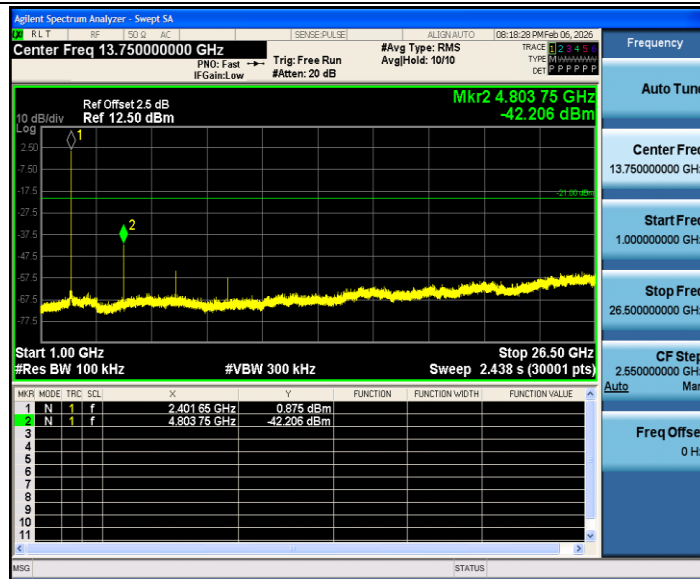
Appendix H: Conducted Spurious Emission

Test Result

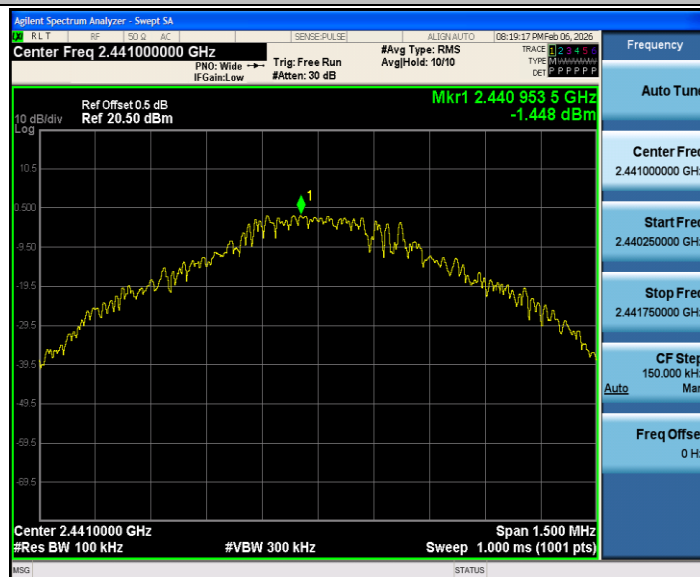
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-67.94	≤-21	PASS
			1000~26500	-1.00	-42.21	≤-21	PASS
		2441	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-67.43	≤-21.45	PASS
			1000~26500	-1.45	-43.17	≤-21.45	PASS
		2480	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-68.19	≤-21.36	PASS
			1000~26500	-1.36	-43.84	≤-21.36	PASS
2DH5	Ant1	2402	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-68.14	≤-20.55	PASS
			1000~26500	-0.55	-44.99	≤-20.55	PASS
		2441	Reference	-6.15	-6.15	---	PASS
			30~1000	-6.15	-67.55	≤-26.15	PASS
			1000~26500	-6.15	-50.26	≤-26.15	PASS
		2480	Reference	-6.05	-6.05	---	PASS
			30~1000	-6.05	-68.38	≤-26.05	PASS
			1000~26500	-6.05	-47.34	≤-26.05	PASS
3DH5	Ant1	2402	Reference	-5.98	-5.98	---	PASS
			30~1000	-5.98	-68.21	≤-25.98	PASS
			1000~26500	-5.98	-49.63	≤-25.98	PASS
		2441	Reference	-6.08	-6.08	---	PASS
			30~1000	-6.08	-67.97	≤-26.08	PASS
			1000~26500	-6.08	-49.19	≤-26.08	PASS
		2480	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-68.32	≤-24.39	PASS
			1000~26500	-4.39	-49.39	≤-24.39	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

