

FCC Appendix RF Test Data for BT

FCC ID : 2AHZ5G1

Company : Shenzhen Huafurui Technology Co., Ltd.

EUT : Smartwatch

Model Number : G1

Report No. : CTA26100800401

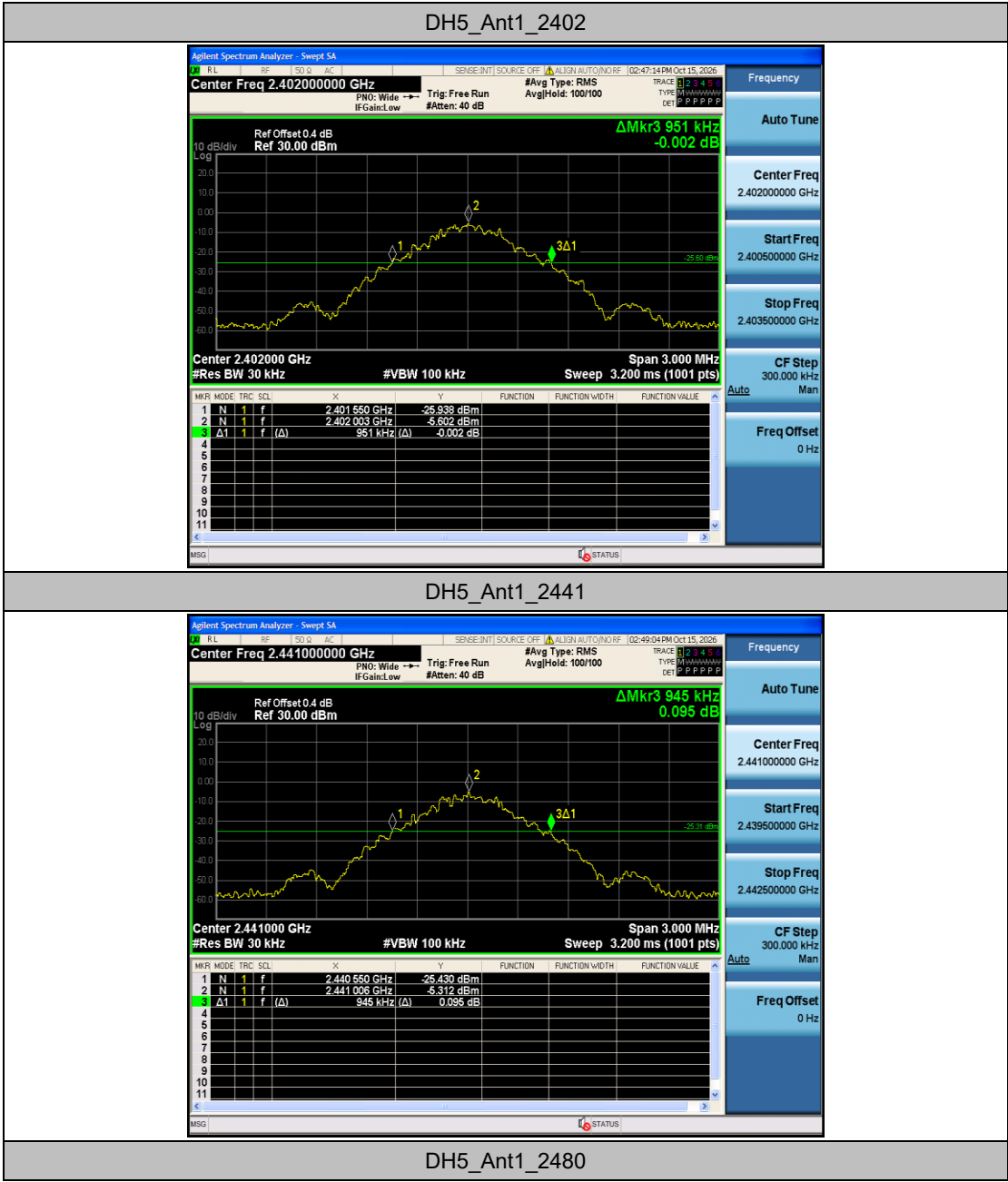
Reviewed By : Eric Wang

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	0.927	2479.550	2480.477	---	---
2DH5	Ant1	2402	1.308	2401.361	2402.669	---	---
		2441	1.308	2440.355	2441.663	---	---
		2480	1.272	2479.388	2480.660	---	---
3DH5	Ant1	2402	1.287	2401.373	2402.660	---	---
		2441	1.320	2440.355	2441.675	---	---
		2480	1.275	2479.370	2480.645	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

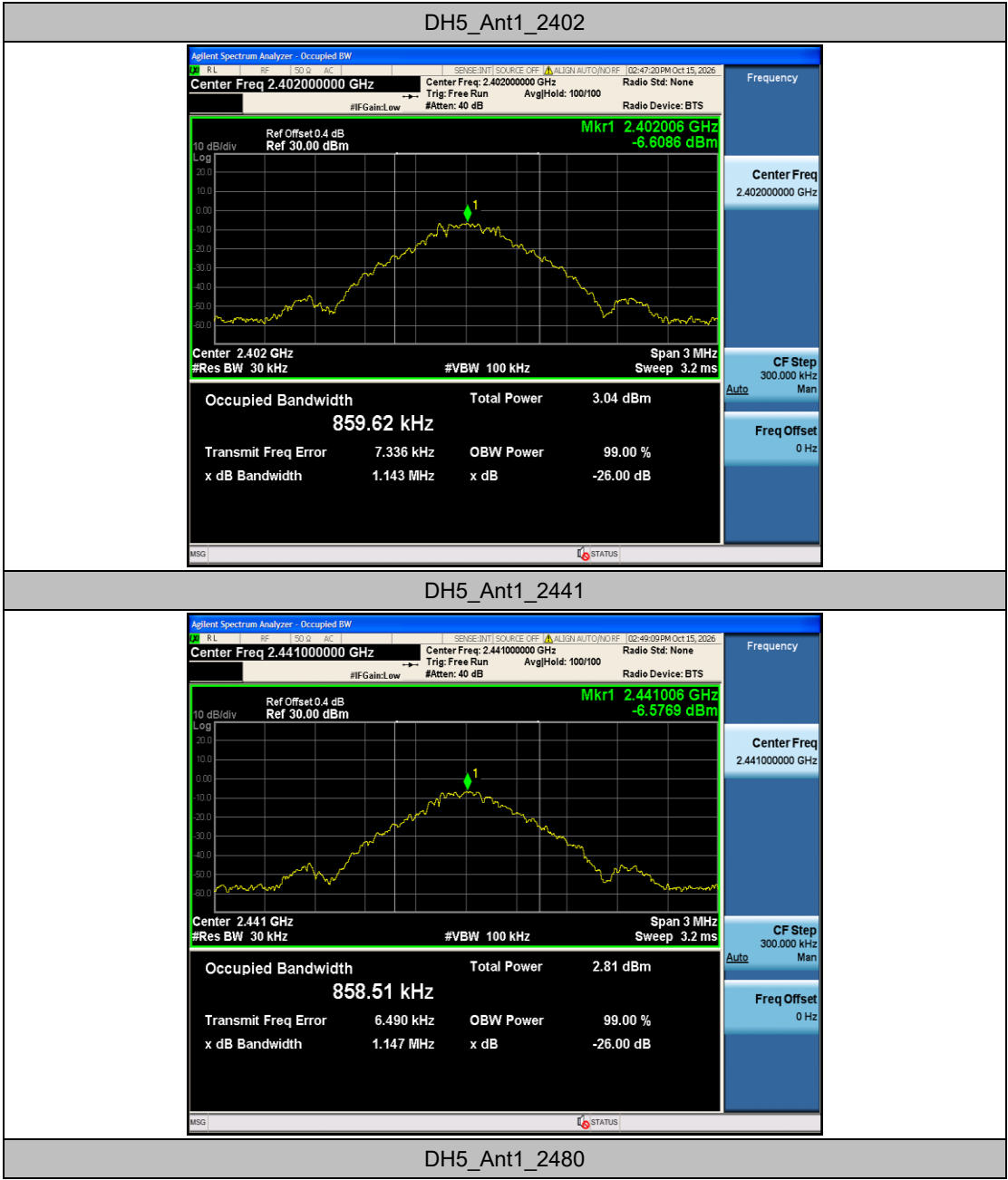


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85962	2401.5775	2402.4372	---	---
		2441	0.85851	2440.5772	2441.4357	---	---
		2480	0.87132	2479.5784	2480.4497	---	---
2DH5	Ant1	2402	1.1952	2401.4138	2402.6090	---	---
		2441	1.1809	2440.4208	2441.6017	---	---
		2480	1.1924	2479.4142	2480.6066	---	---
3DH5	Ant1	2402	1.1836	2401.4192	2402.6028	---	---
		2441	1.1897	2440.4168	2441.6065	---	---
		2480	1.1869	2479.4204	2480.6073	---	---

Test Graphs





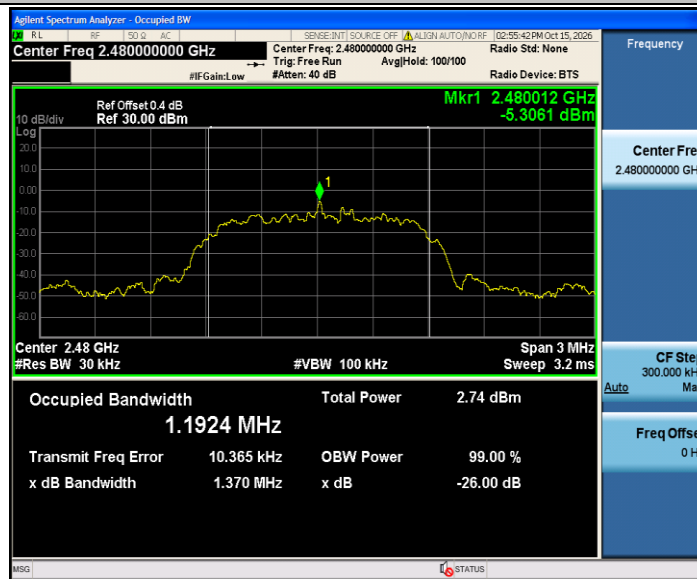
2DH5_Ant1_2402



2DH5_Ant1_2441



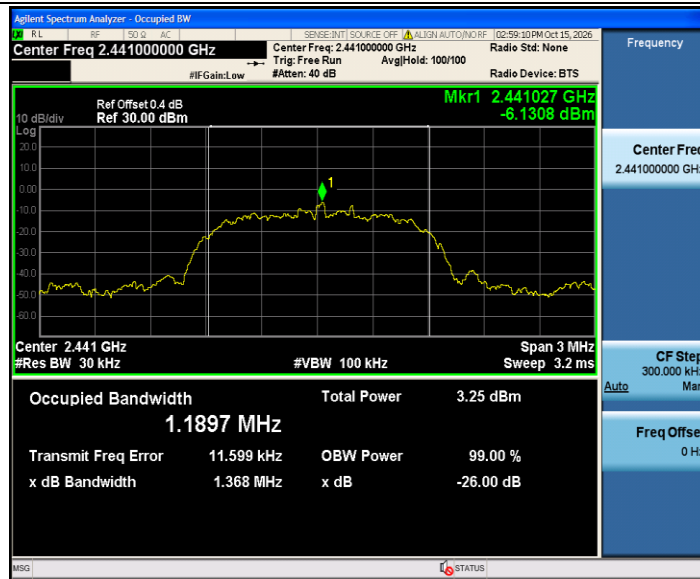
2DH5_Ant1_2480



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	-3.32	≤20.97	PASS
		2441	-3.43	≤20.97	PASS
		2480	-3.74	≤20.97	PASS
2DH5	Ant1	2402	-0.70	≤20.97	PASS
		2441	-0.83	≤20.97	PASS
		2480	-1.14	≤20.97	PASS
3DH5	Ant1	2402	-0.30	≤20.97	PASS
		2441	-0.51	≤20.97	PASS
		2480	-0.75	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.951	PASS
2DH5	Ant1	Hop	0.984	≥ 0.872	PASS
3DH5	Ant1	Hop	1.018	≥ 0.880	PASS

Test Graphs



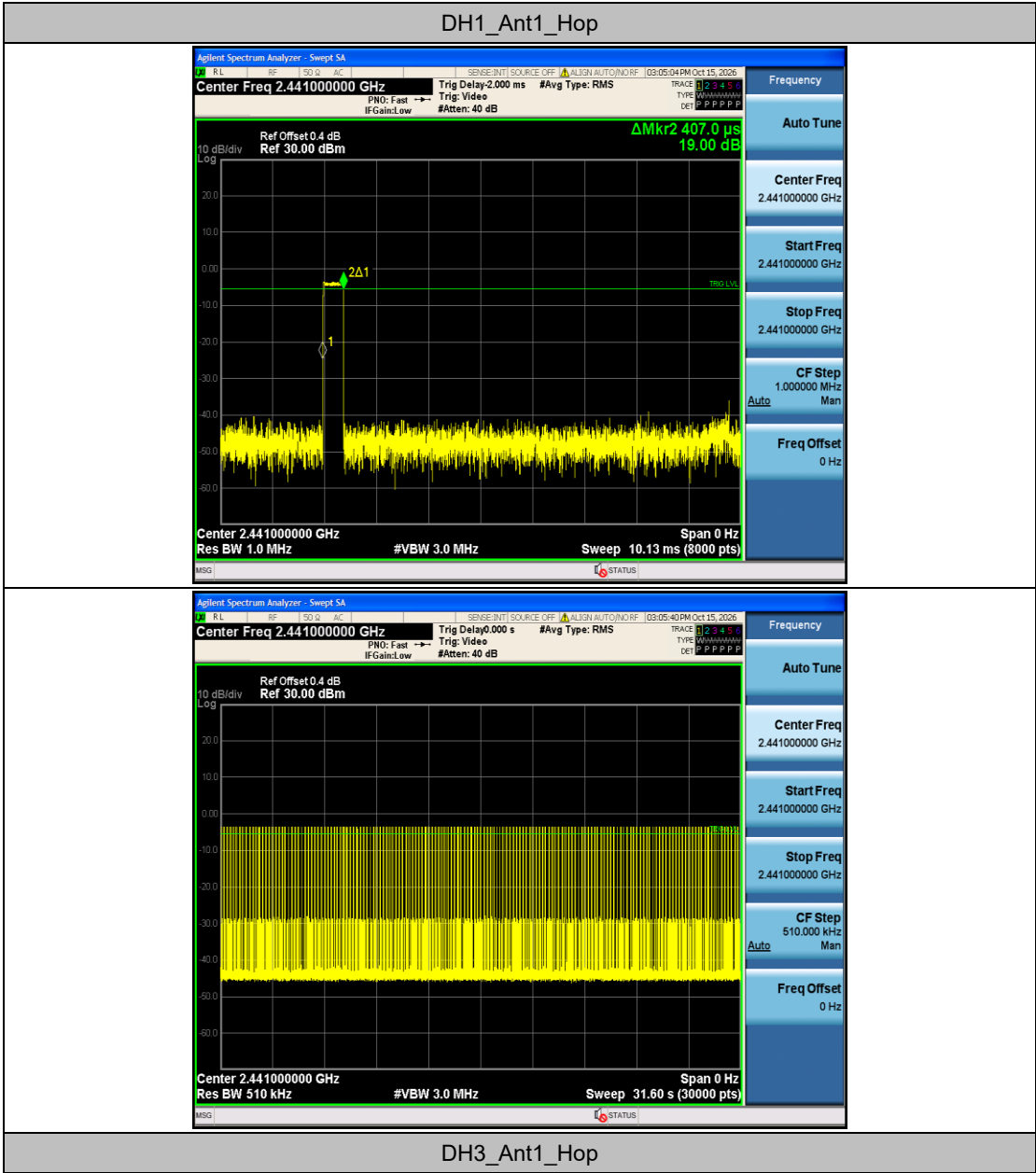


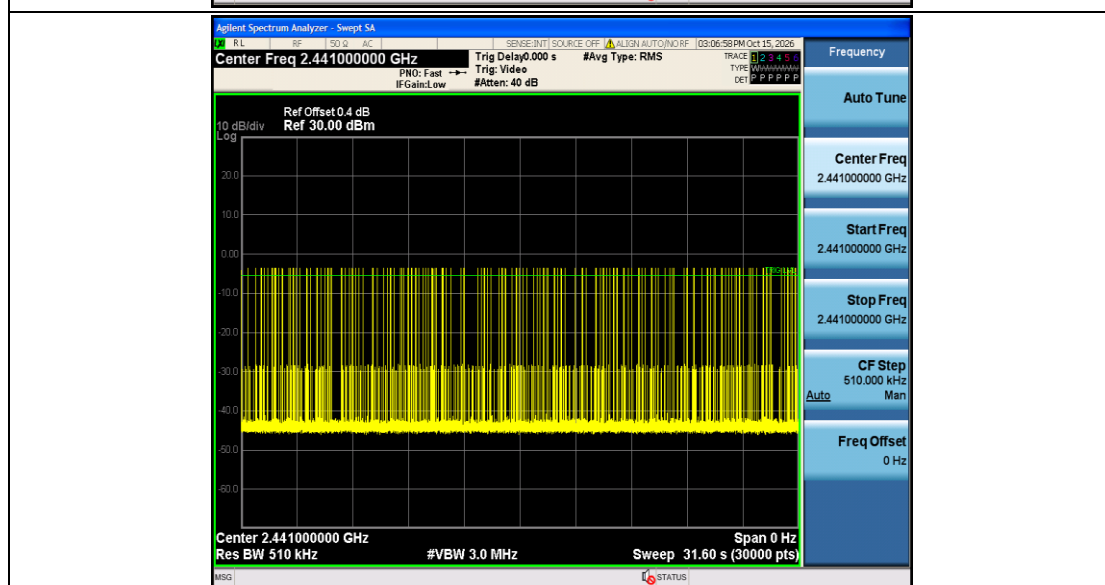
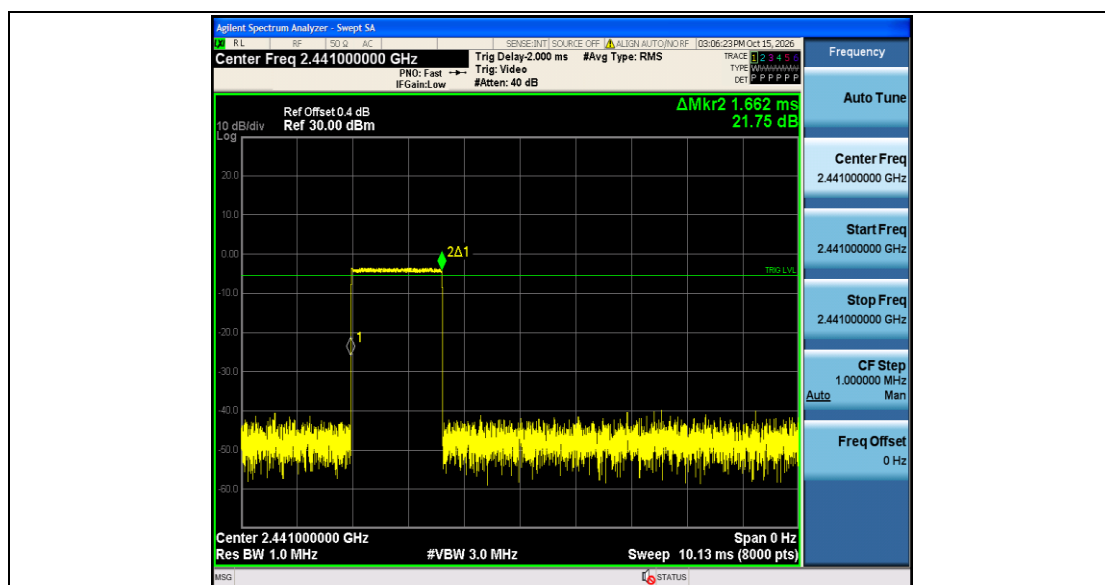
Appendix E: Time of occupancy

Test Result

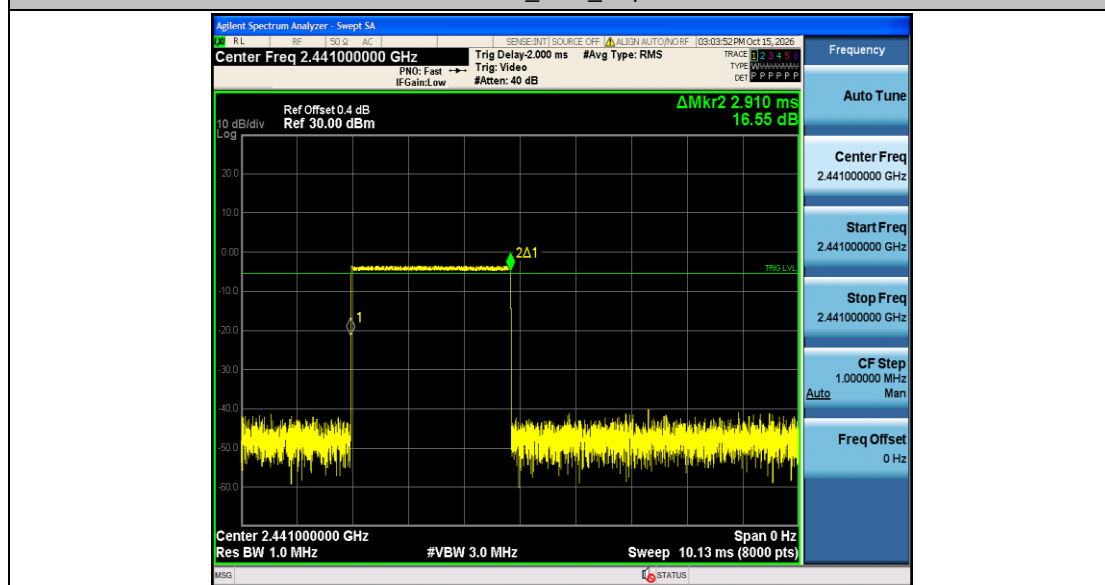
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	316	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	165	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.910	106	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	162	0.27	≤0.4	PASS
2DH5	Ant1	Hop	2.916	106	0.309	≤0.4	PASS
3DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.664	158	0.263	≤0.4	PASS
3DH5	Ant1	Hop	2.916	108	0.315	≤0.4	PASS

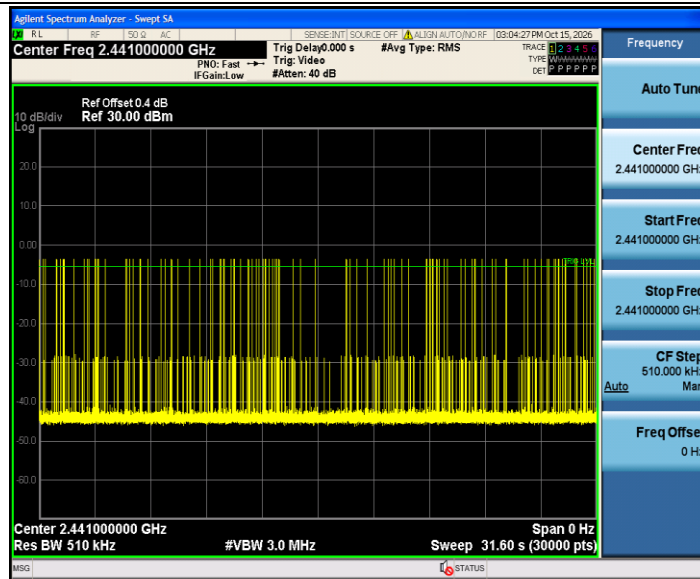
Test Graphs



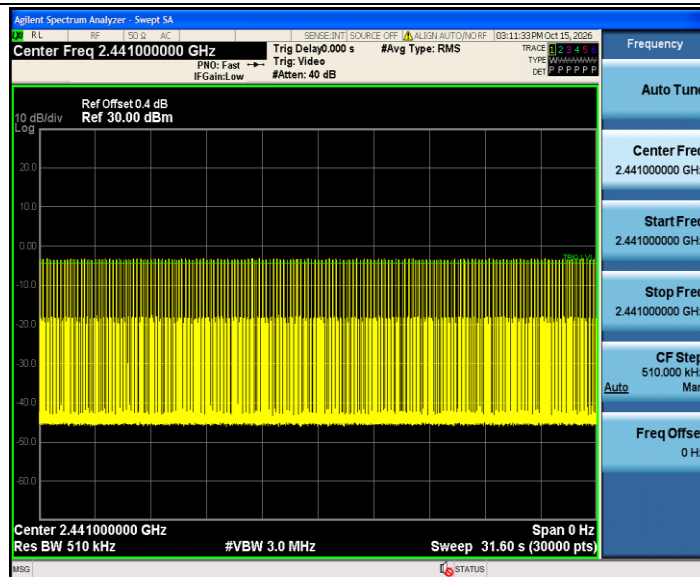
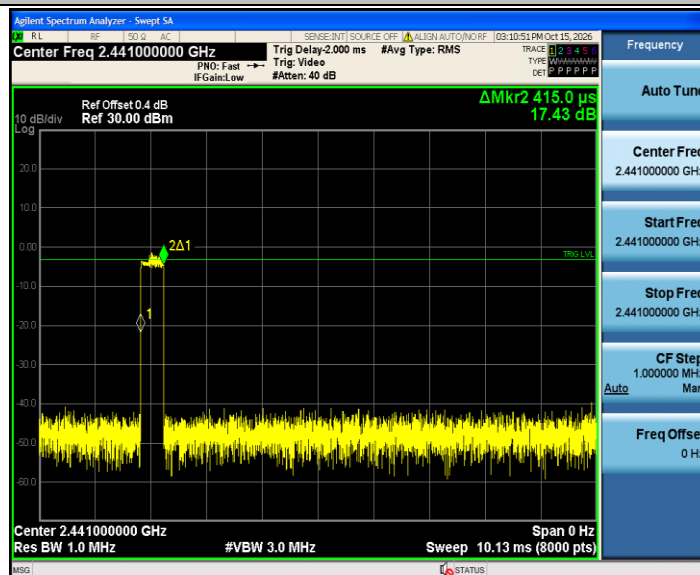


DH5_Ant1_Hop

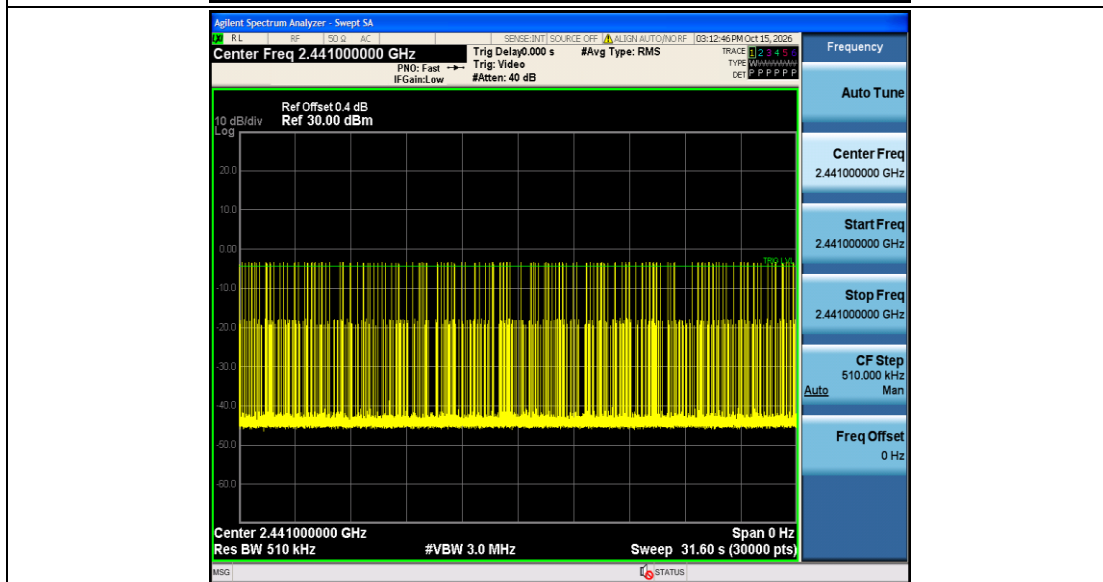
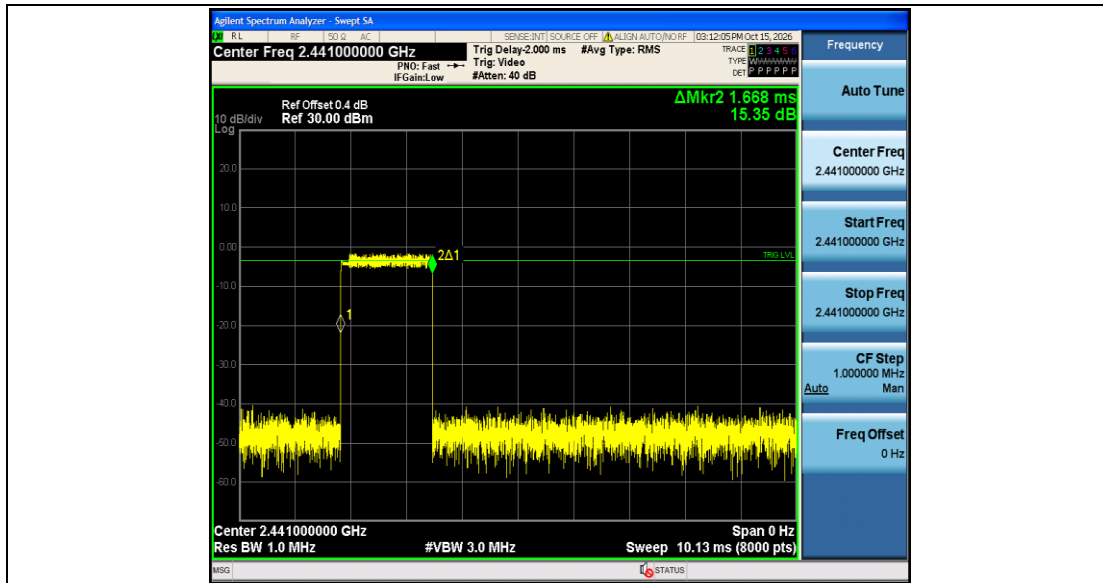




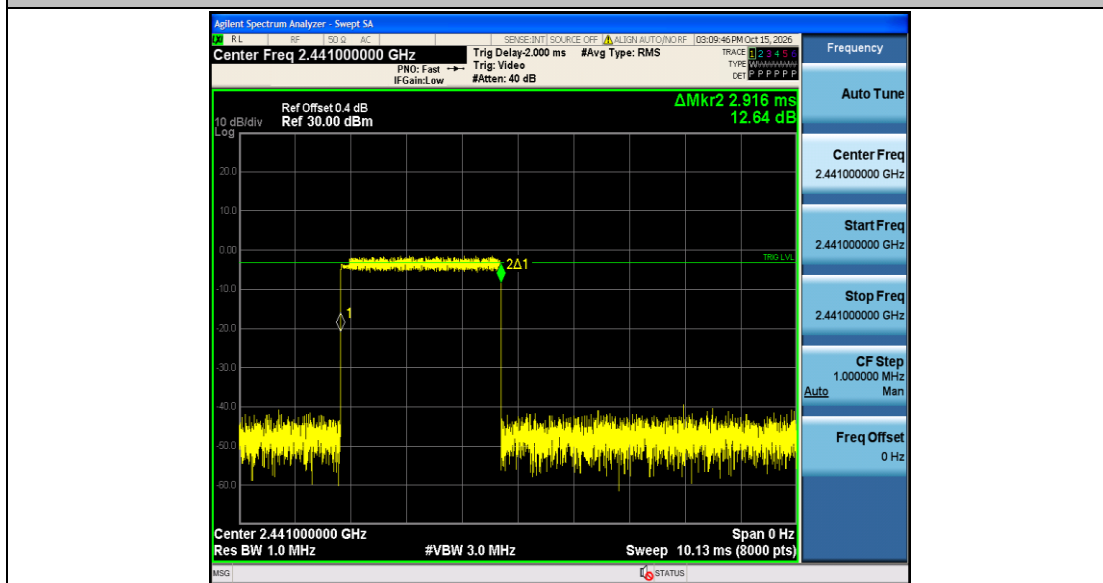
2DH1_Ant1_Hop

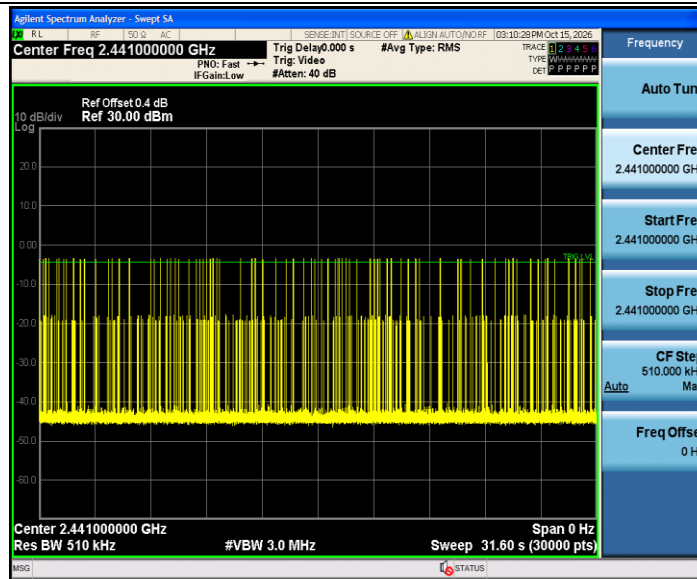


2DH3_Ant1_Hop

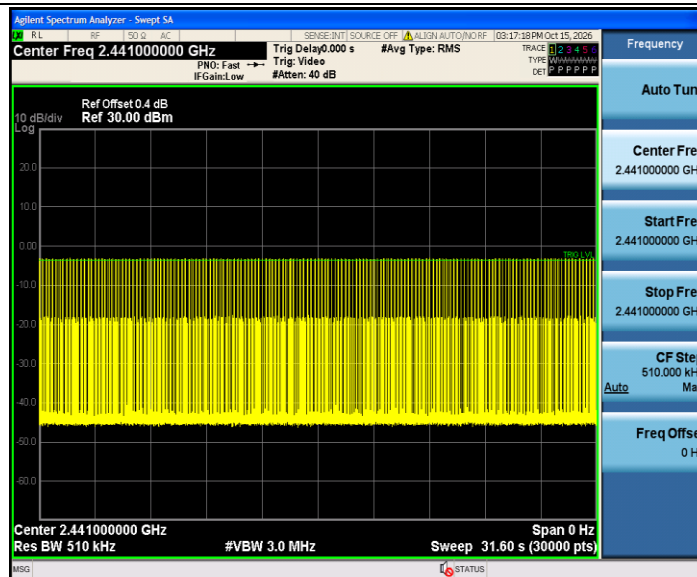
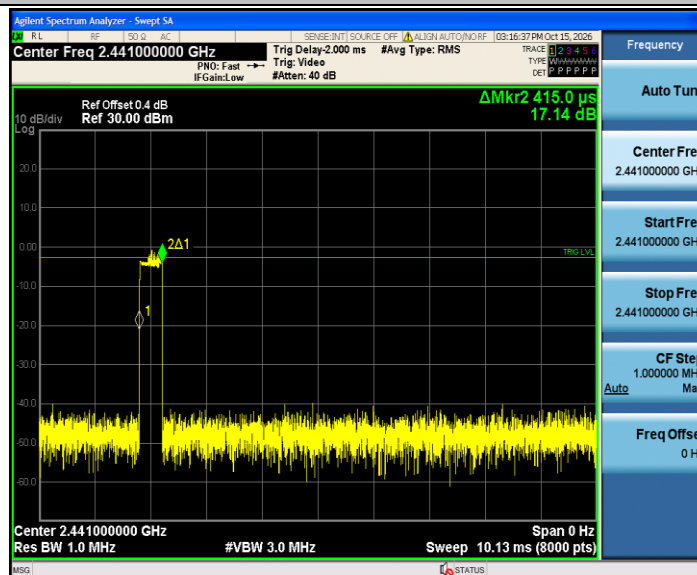


2DH5_Ant1_Hop

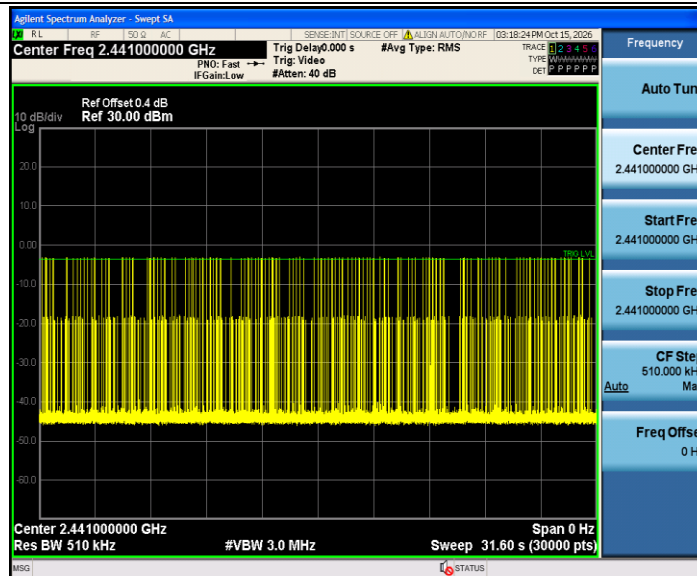
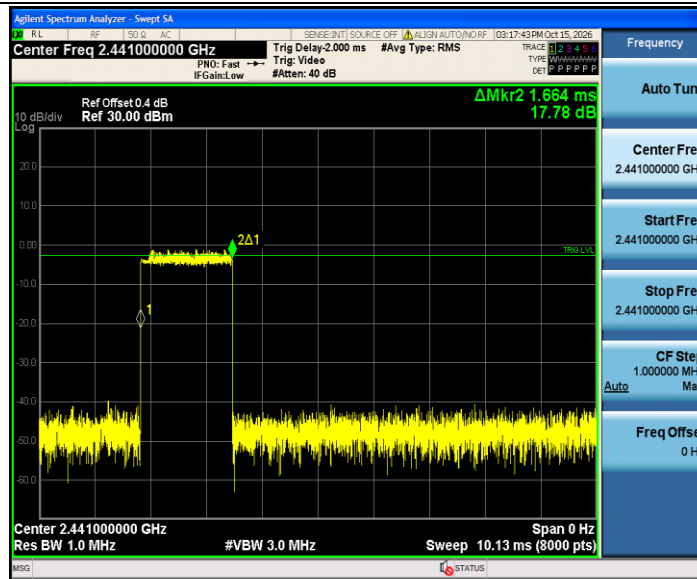




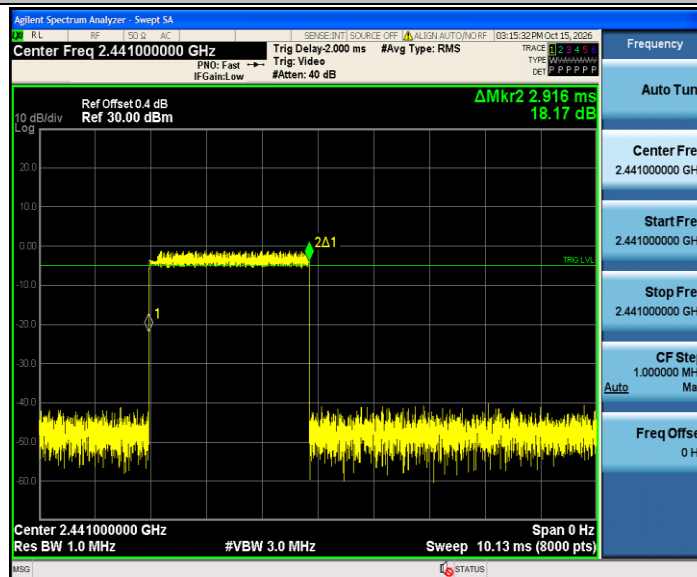
3DH1_Ant1_Hop

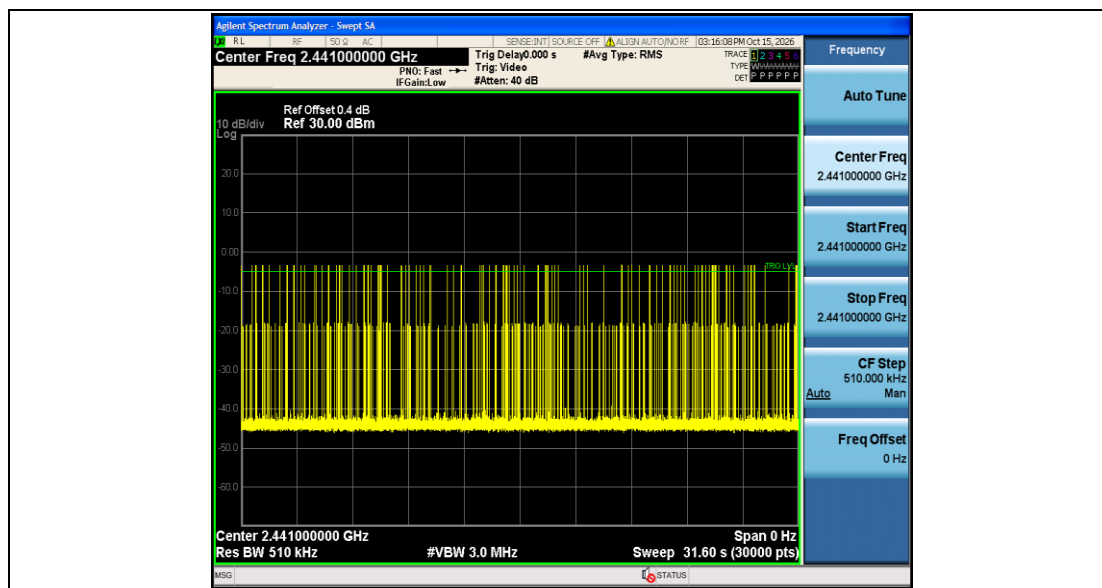


3DH3_Ant1_Hop



3DH5_Ant1_Hop



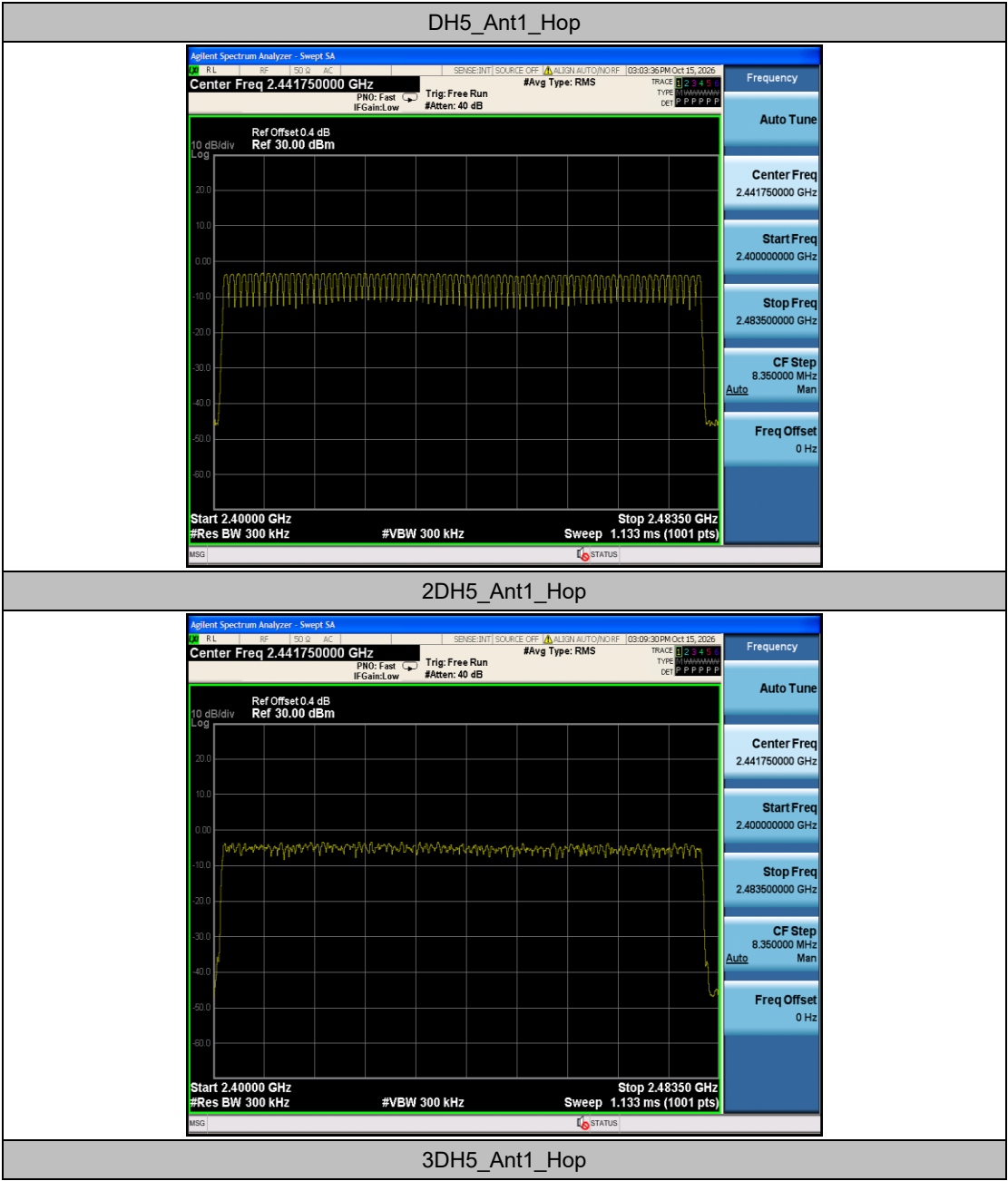


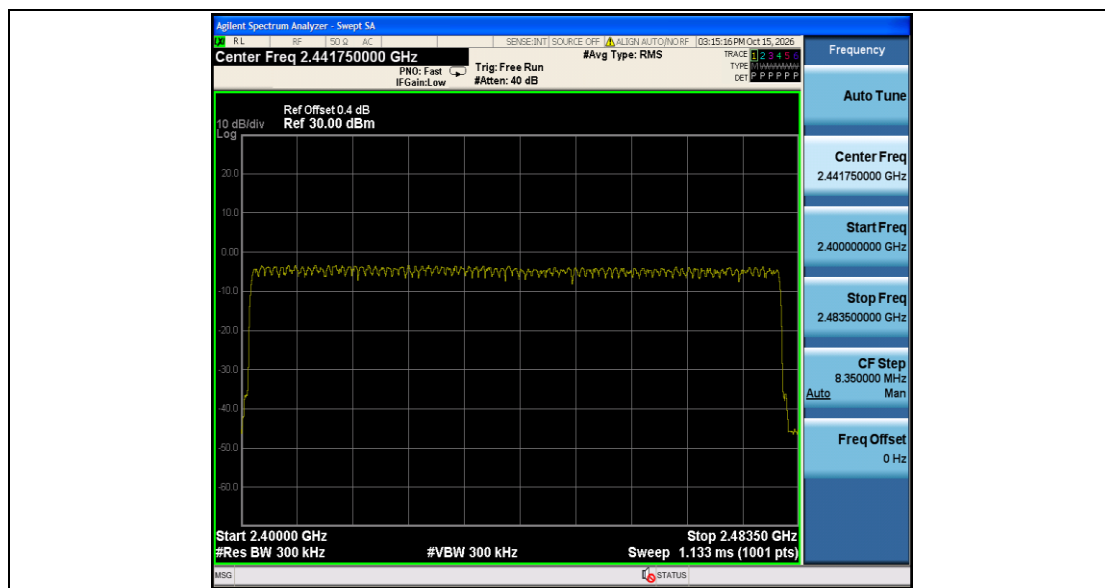
Appendix F: Number of hopping channels

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



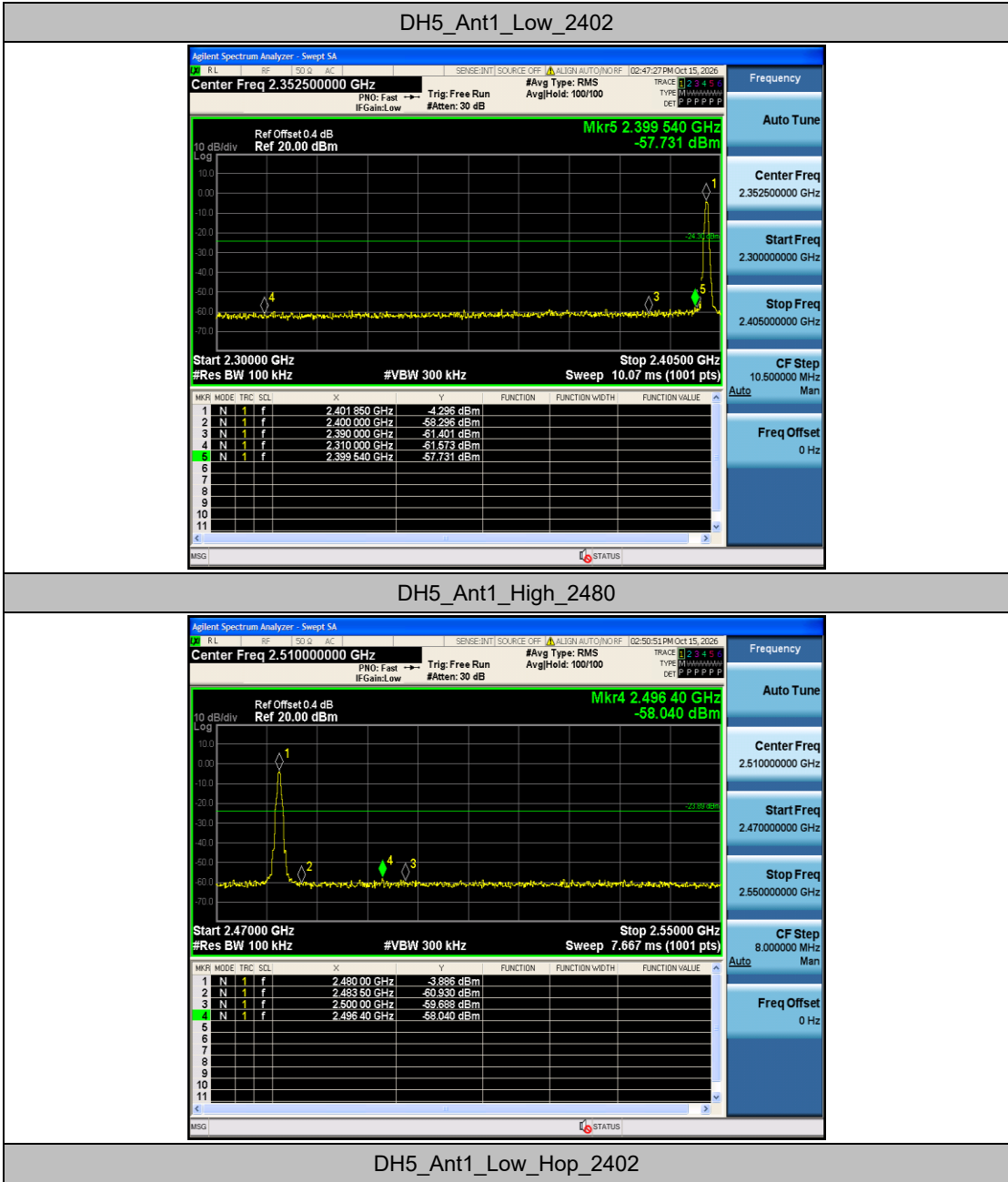


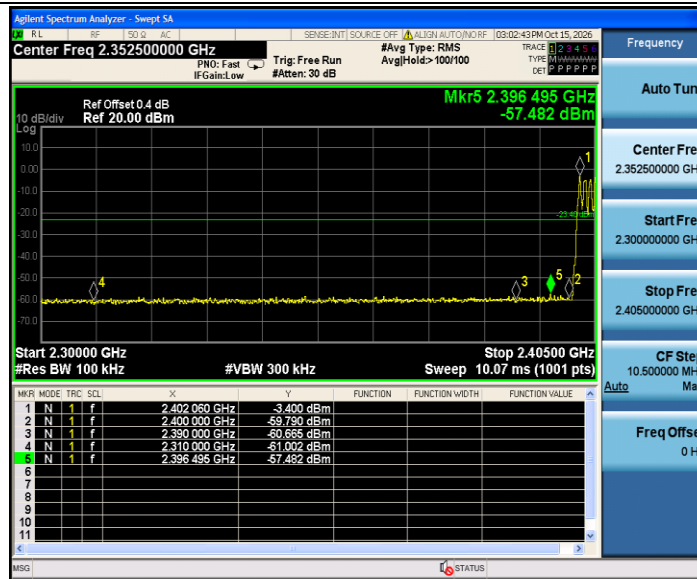
Appendix G: Band edge measurements

Test Result

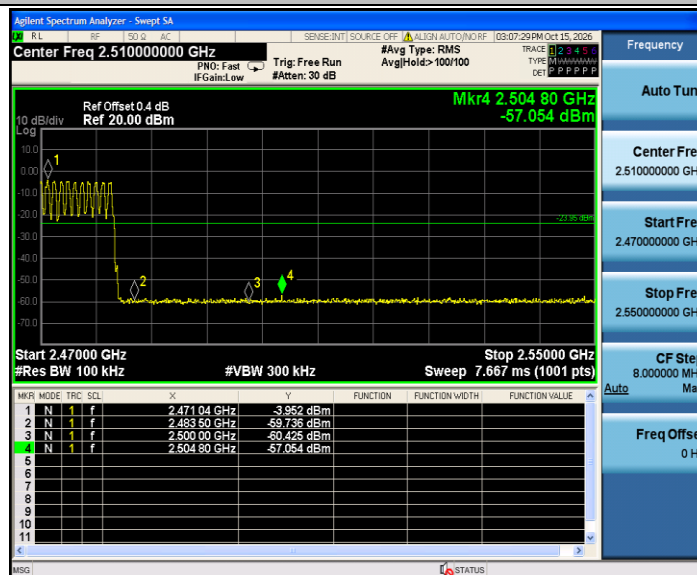
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.30	-57.73	≤ -24.3	PASS
		High	2480	-3.89	-58.04	≤ -23.89	PASS
		Low	Hop_2402	-3.40	-57.48	≤ -23.4	PASS
		High	Hop_2480	-3.95	-57.05	≤ -23.95	PASS
2DH5	Ant1	Low	2402	-5.29	-57.61	≤ -25.29	PASS
		High	2480	-5.65	-57.33	≤ -25.65	PASS
		Low	Hop_2402	-4.69	-57.82	≤ -24.69	PASS
		High	Hop_2480	-4.00	-57.02	≤ -24	PASS
3DH5	Ant1	Low	2402	-4.05	-57.79	≤ -24.05	PASS
		High	2480	-3.86	-57.47	≤ -23.86	PASS
		Low	Hop_2402	-5.81	-57.67	≤ -25.81	PASS
		High	Hop_2480	-3.99	-57.42	≤ -23.99	PASS

Test Graphs

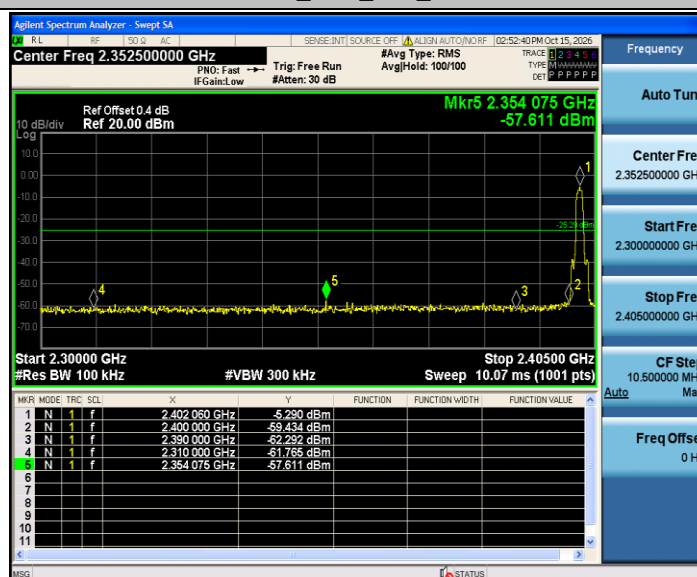




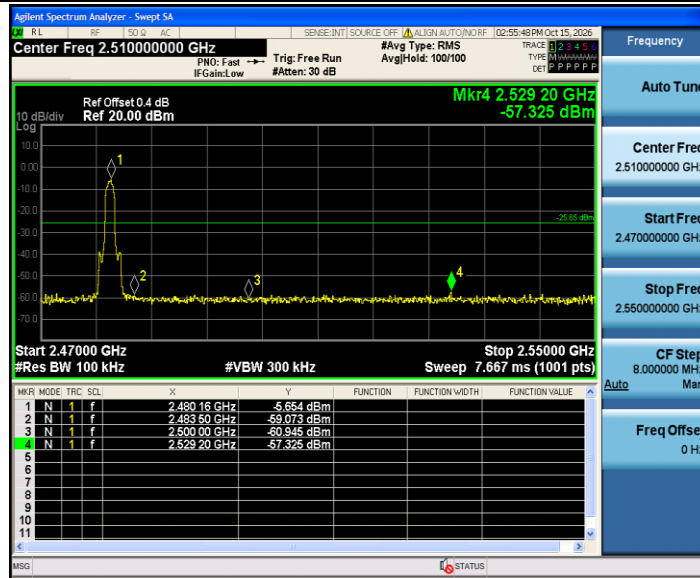
DH5_Ant1_High_Hop_2480



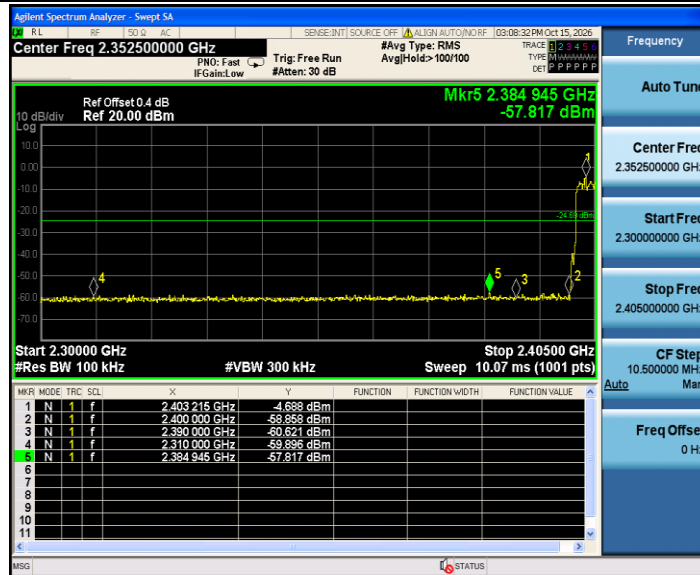
2DH5_Ant1_Low_2402



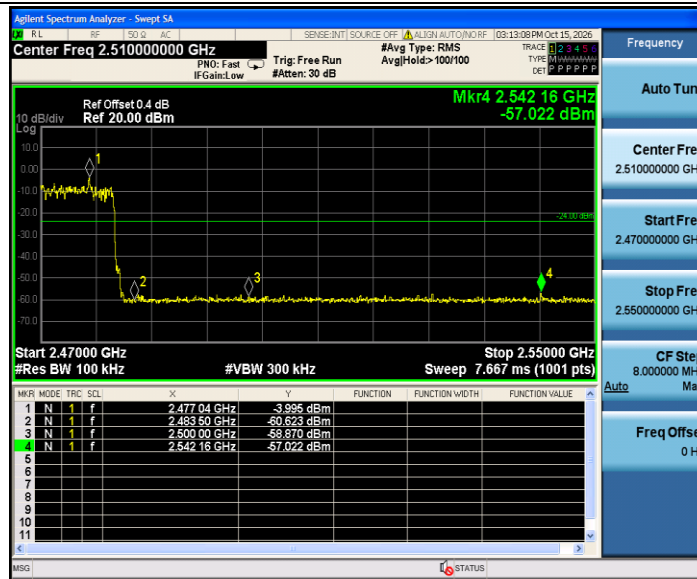
2DH5_Ant1_High_2480



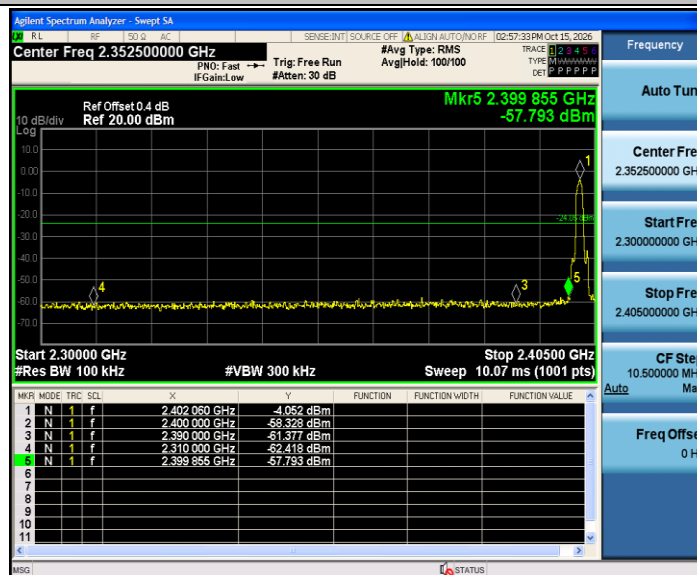
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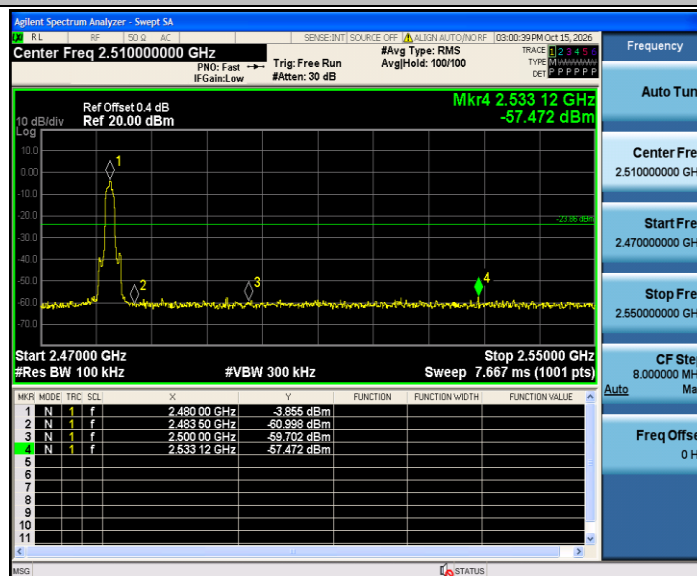
2DH5_Ant1_High_Hop_2480



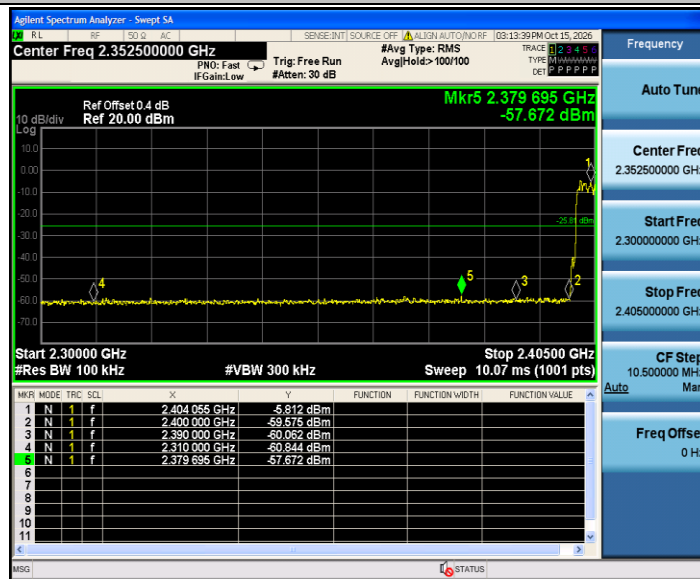
3DH5_Ant1_Low_2402



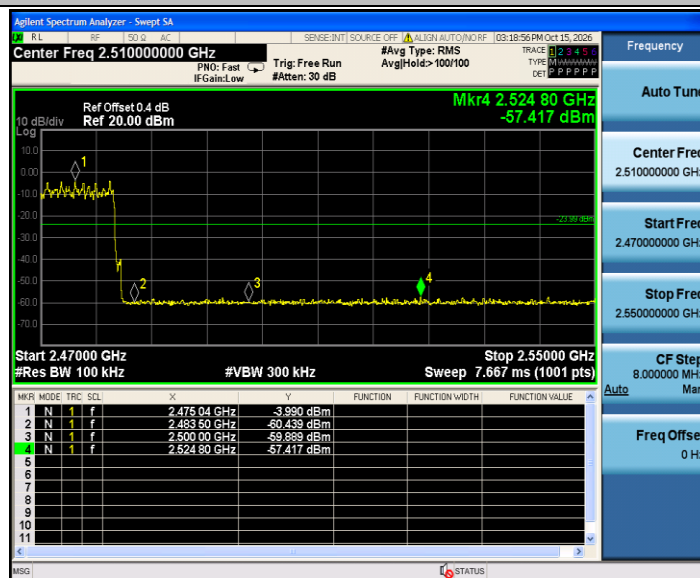
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

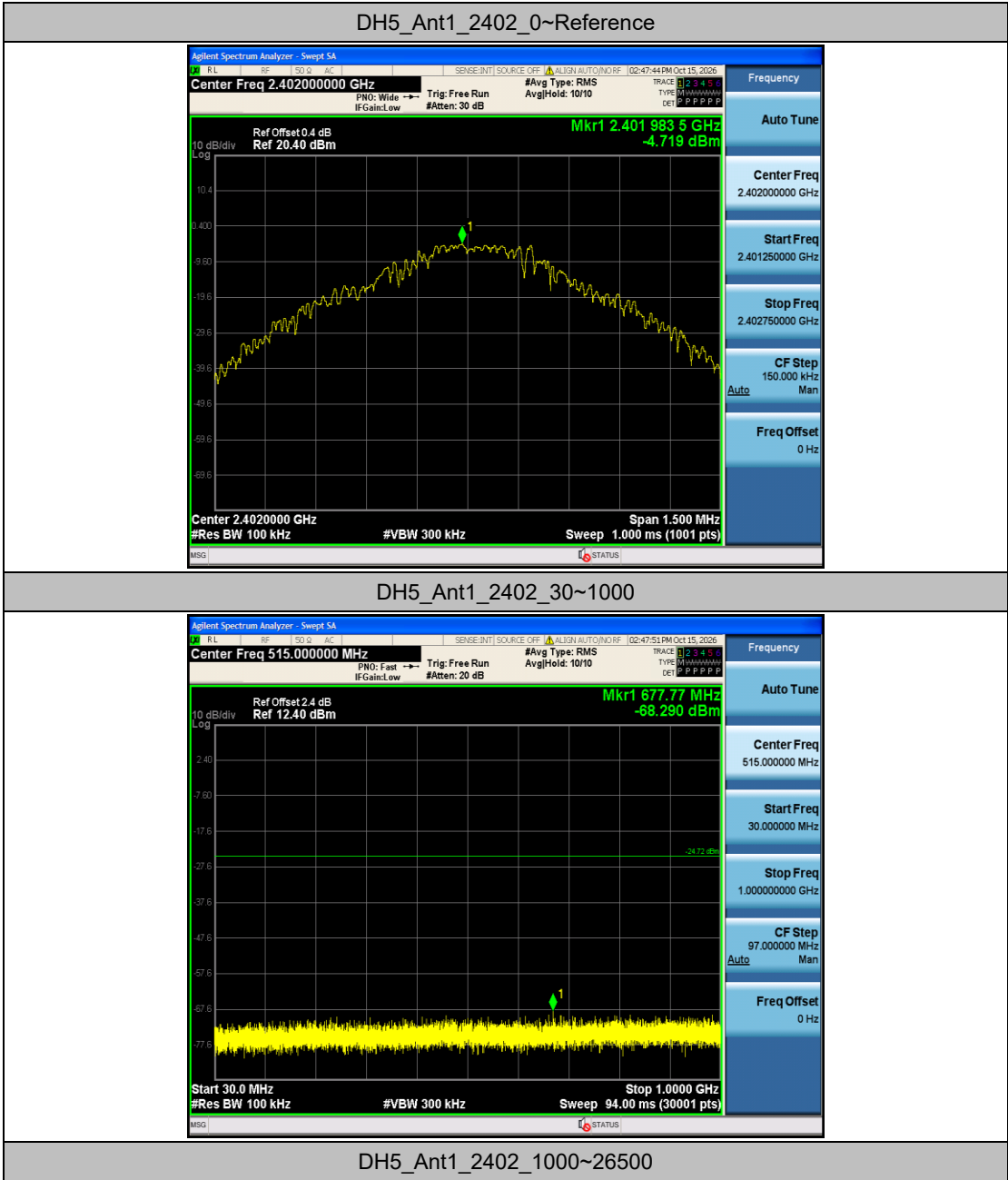


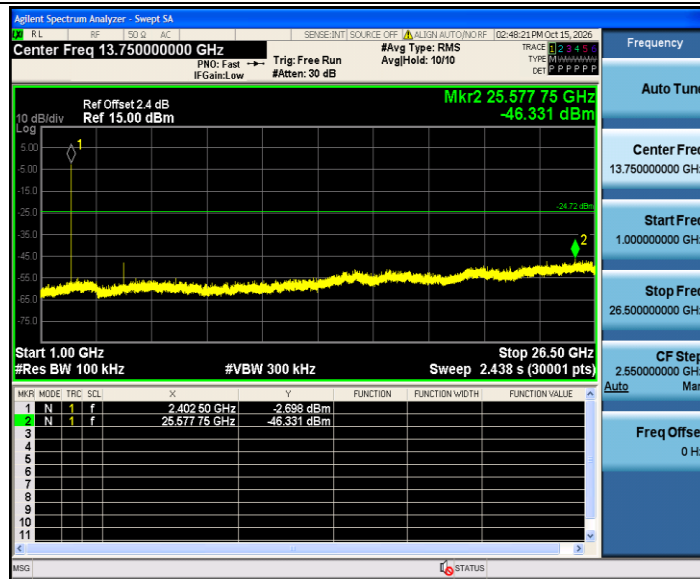
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.72	-4.72	---	PASS
			30~1000	-4.72	-68.29	≤-24.72	PASS
			1000~26500	-4.72	-46.33	≤-24.72	PASS
		2441	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-68.59	≤-24.5	PASS
			1000~26500	-4.50	-46.57	≤-24.5	PASS
		2480	Reference	-5.05	-5.05	---	PASS
			30~1000	-5.05	-68.52	≤-25.05	PASS
			1000~26500	-5.05	-46.45	≤-25.05	PASS
2DH5	Ant1	2402	Reference	-5.26	-5.26	---	PASS
			30~1000	-5.26	-68.59	≤-25.26	PASS
			1000~26500	-5.26	-46.92	≤-25.26	PASS
		2441	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-68.77	≤-24.9	PASS
			1000~26500	-4.90	-46.35	≤-24.9	PASS
		2480	Reference	-5.84	-5.84	---	PASS
			30~1000	-5.84	-68.46	≤-25.84	PASS
			1000~26500	-5.84	-46.91	≤-25.84	PASS
3DH5	Ant1	2402	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-66.7	≤-24.22	PASS
			1000~26500	-4.22	-45.68	≤-24.22	PASS
		2441	Reference	-6.66	-6.66	---	PASS
			30~1000	-6.66	-68.92	≤-26.66	PASS
			1000~26500	-6.66	-46.1	≤-26.66	PASS
		2480	Reference	-6.79	-6.79	---	PASS
			30~1000	-6.79	-67.67	≤-26.79	PASS
			1000~26500	-6.79	-46.55	≤-26.79	PASS

Test Graphs

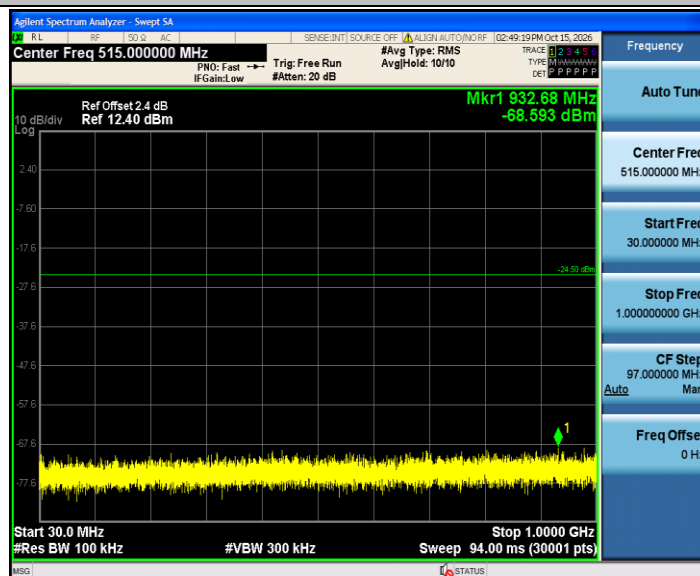




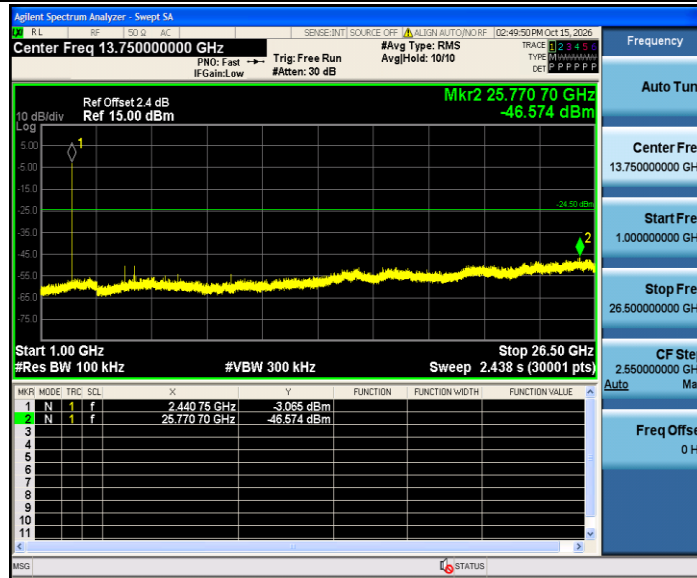
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



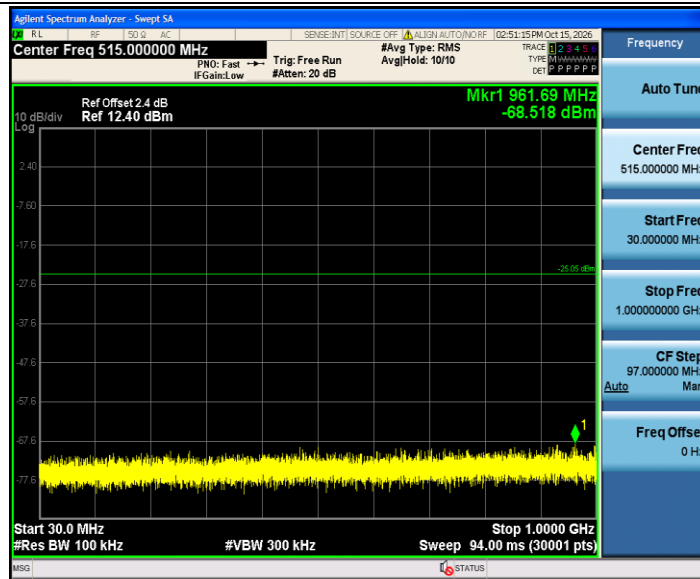
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



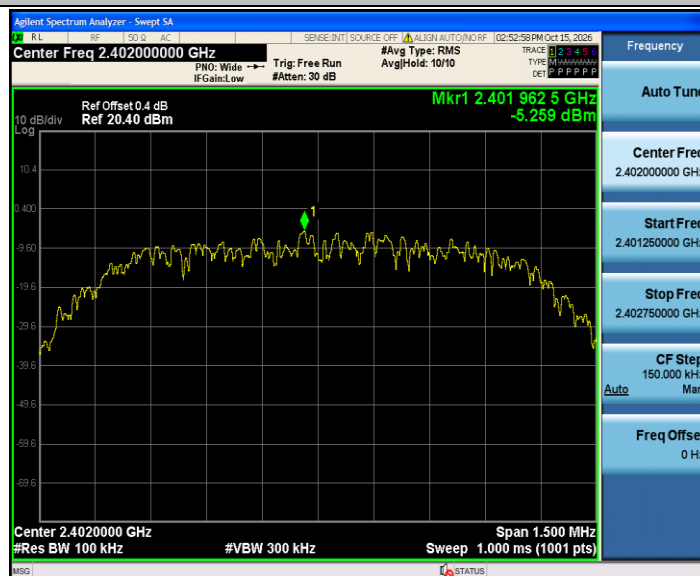
DH5_Ant1_2480_30~1000



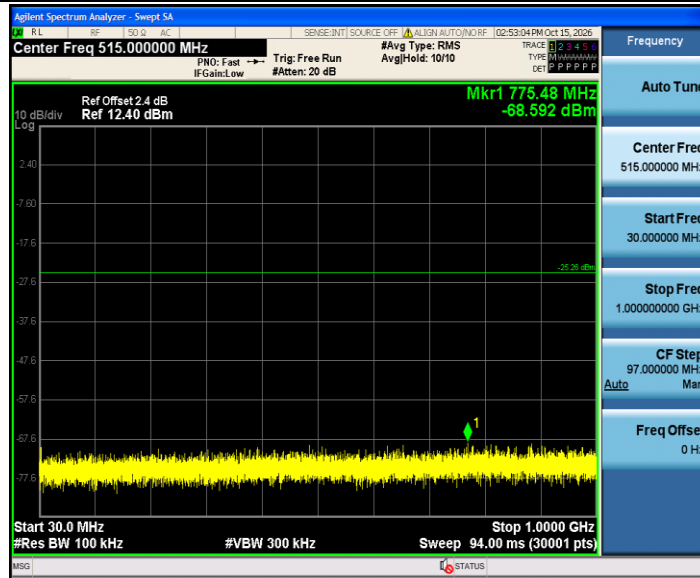
DH5_Ant1_2480_1000~26500



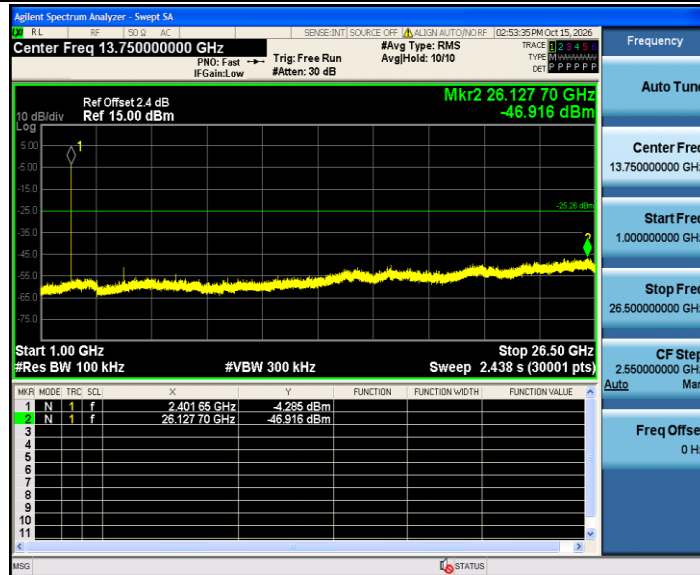
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference