

FCC Appendix RF Test Data for BT

FCC ID : 2AZW2-G15M

Company : Beijing Supvan Information Technology Co., Ltd.

EUT : Label Maker

Model Number : G15M

Report No. : CTA26041602502

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	0.954	2440.547	2441.501	---	---
		2480	0.939	2479.550	2480.489	---	---
2DH5	Ant1	2402	1.341	2401.340	2402.681	---	---
		2441	1.314	2440.355	2441.669	---	---
		2480	1.335	2479.340	2480.675	---	---
3DH5	Ant1	2402	1.314	2401.358	2402.672	---	---
		2441	1.308	2440.358	2441.666	---	---
		2480	1.323	2479.355	2480.678	---	---

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 B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86644	2401.5813	2402.4478	---	---
		2441	0.87554	2440.5762	2441.4518	---	---
		2480	0.86007	2479.5813	2480.4414	---	---
2DH5	Ant1	2402	1.1846	2401.4192	2402.6038	---	---
		2441	1.1926	2440.4154	2441.6080	---	---
		2480	1.1819	2479.4205	2480.6024	---	---
3DH5	Ant1	2402	1.2012	2401.4088	2402.6100	---	---
		2441	1.1841	2440.4217	2441.6058	---	---
		2480	1.1757	2479.4267	2480.6024	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



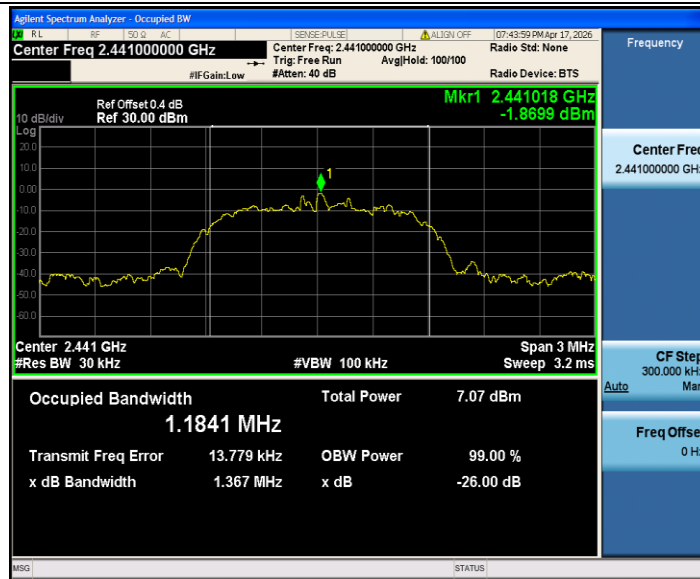
2DH5_Ant1_2480



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	0.38	≤20.97	PASS
		2441	0.13	≤20.97	PASS
		2480	0.14	≤20.97	PASS
2DH5	Ant1	2402	3.07	≤20.97	PASS
		2441	2.67	≤20.97	PASS
		2480	2.70	≤20.97	PASS
3DH5	Ant1	2402	3.42	≤20.97	PASS
		2441	3.08	≤20.97	PASS
		2480	3.13	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.954	PASS
2DH5	Ant1	Hop	1.166	≥ 0.894	PASS
3DH5	Ant1	Hop	1.232	≥ 0.882	PASS

Test Graphs



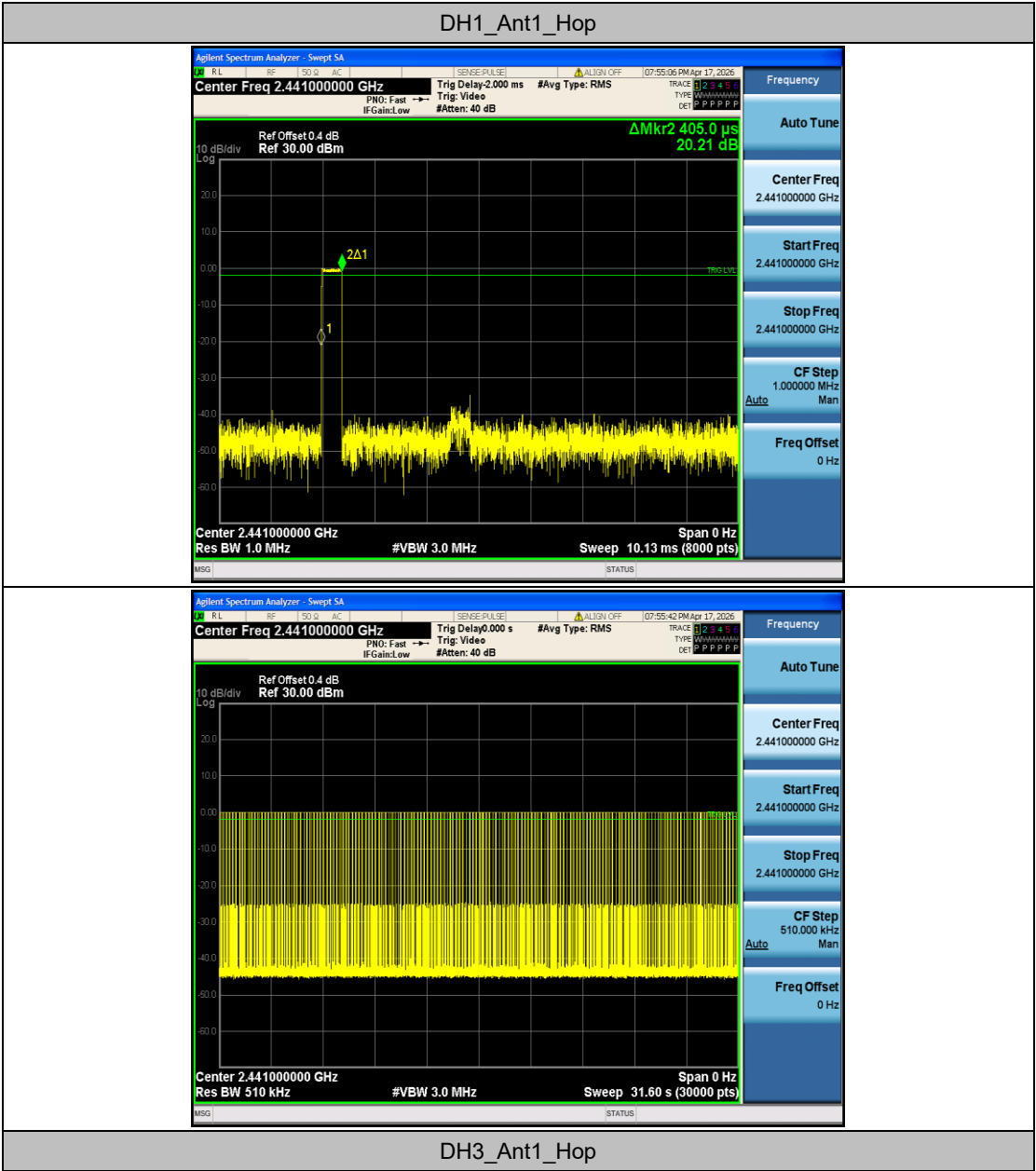


Appendix E: Time of occupancy

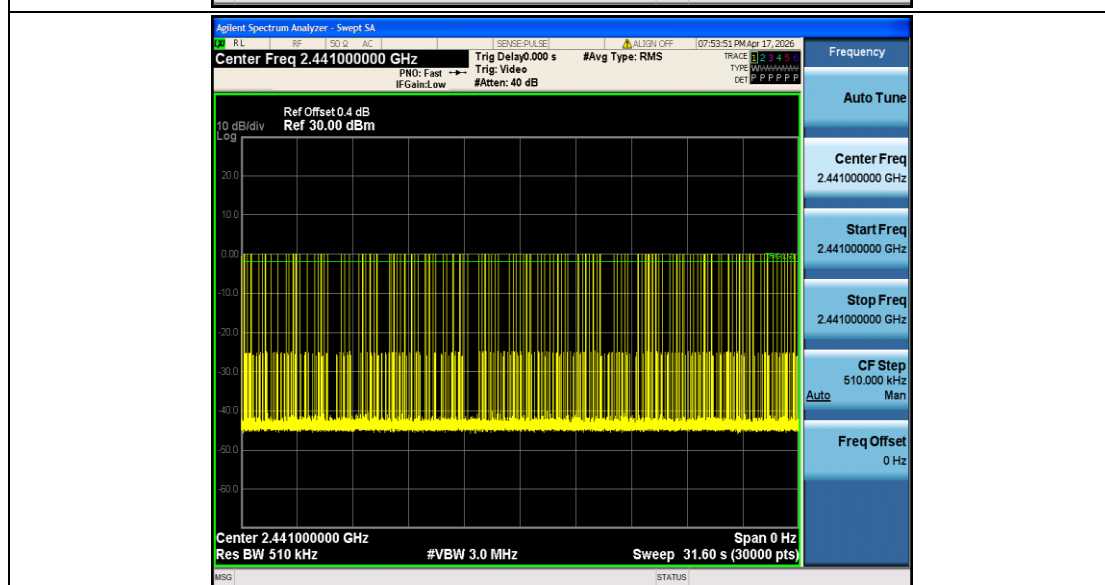
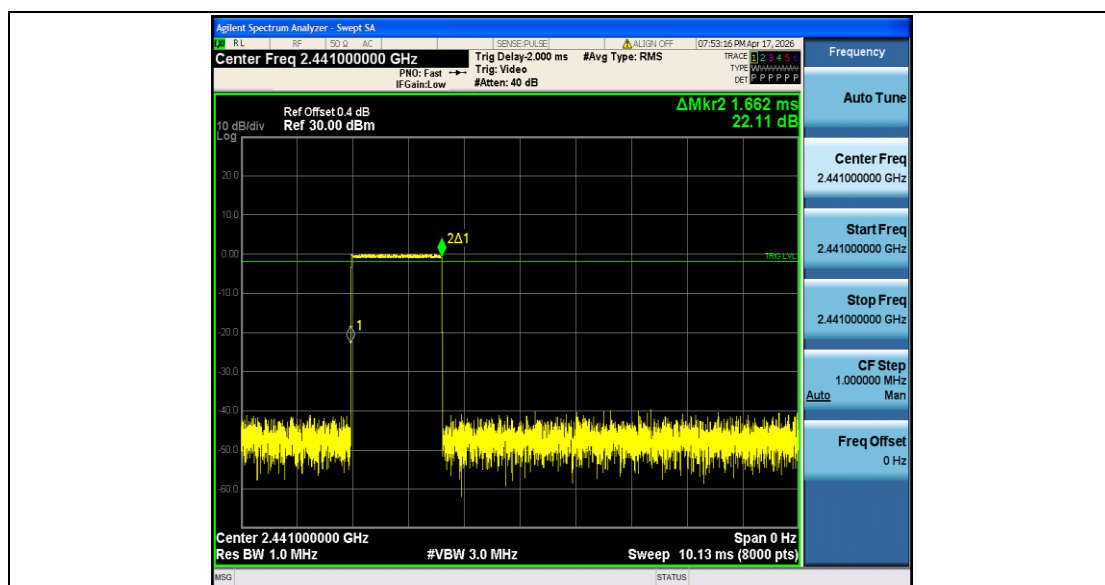
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	163	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.911	107	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.414	317	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.668	159	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.915	99	0.289	≤0.4	PASS
3DH1	Ant1	Hop	0.414	314	0.13	≤0.4	PASS
3DH3	Ant1	Hop	1.666	166	0.277	≤0.4	PASS
3DH5	Ant1	Hop	2.916	111	0.324	≤0.4	PASS

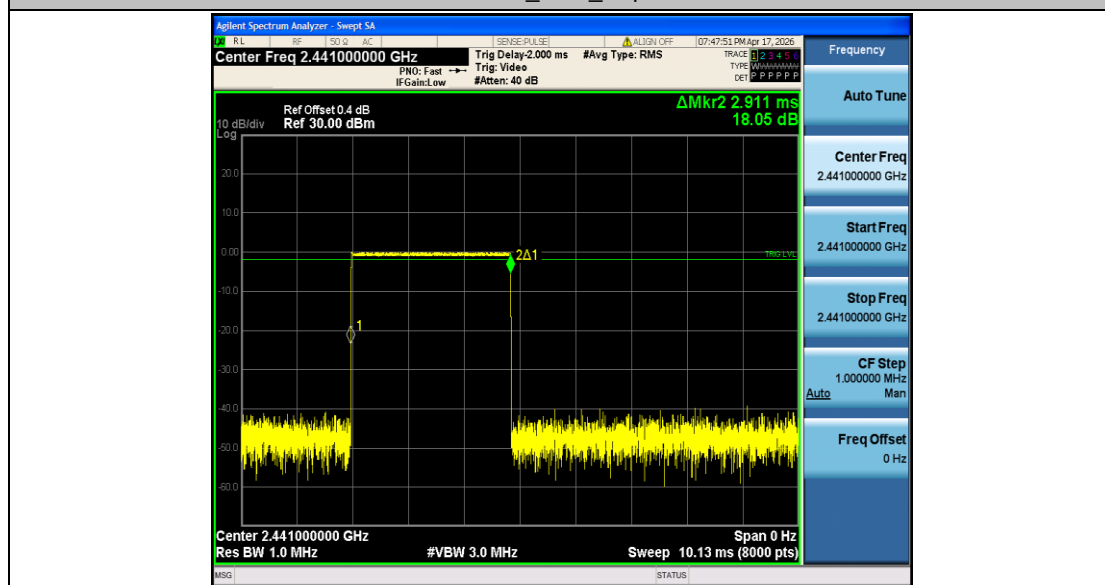
Test Graphs

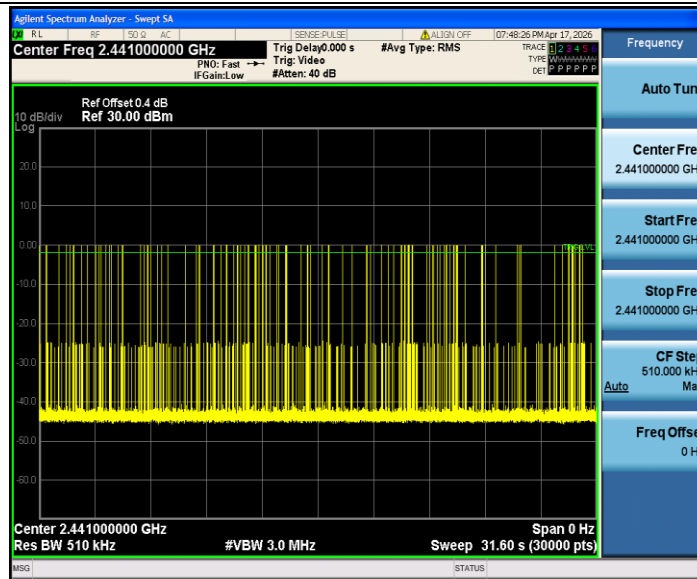


DH3_Ant1_Hop

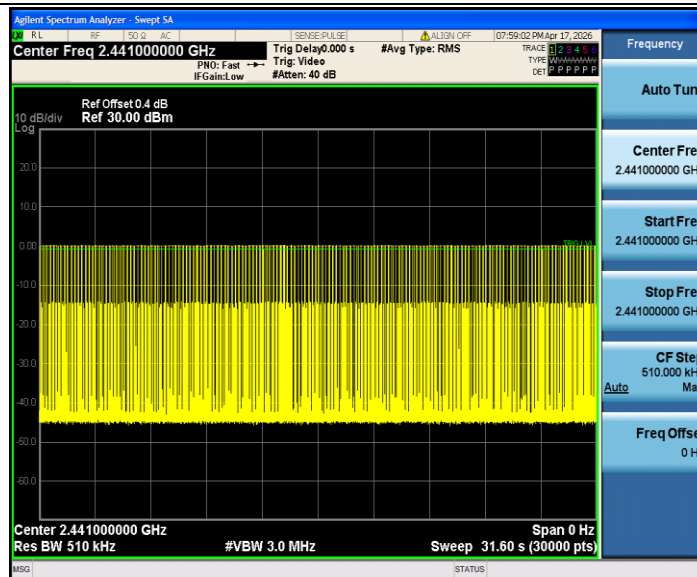
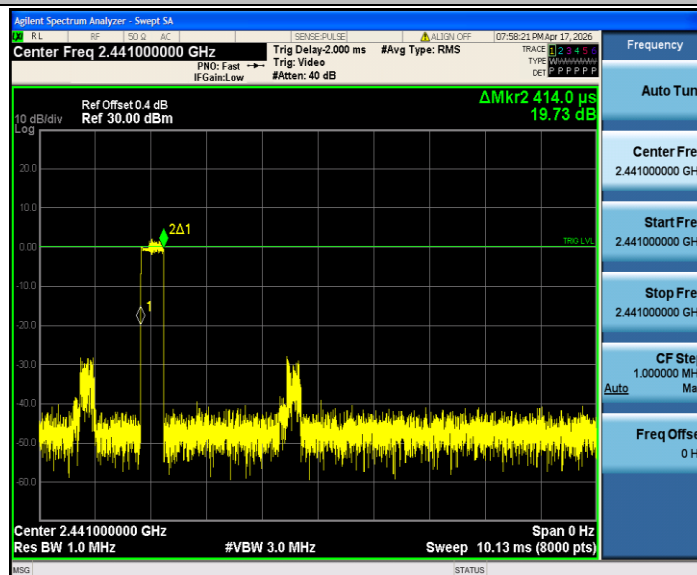


DH5_Ant1_Hop

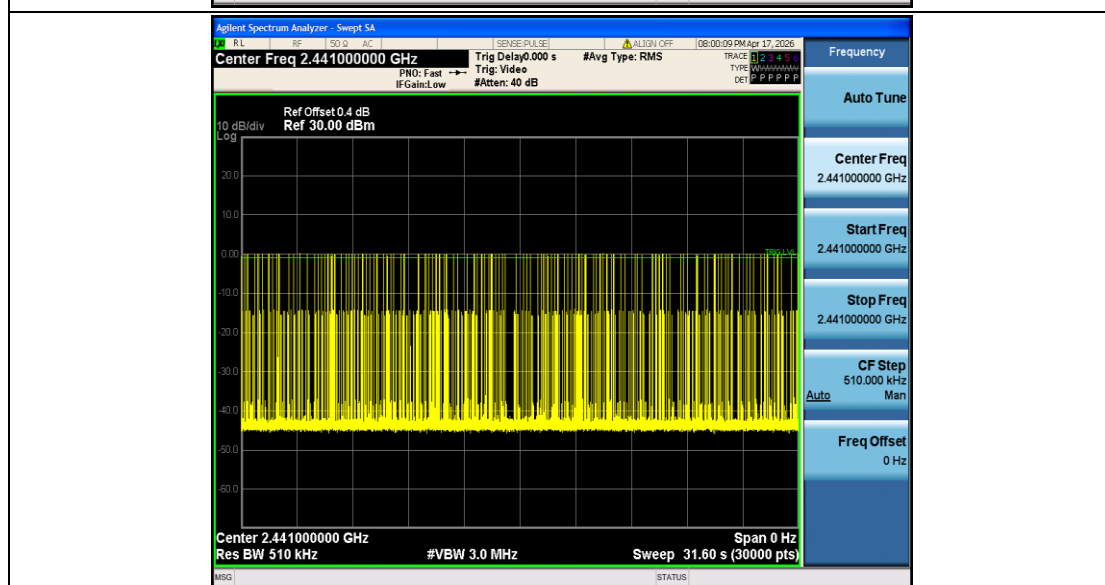
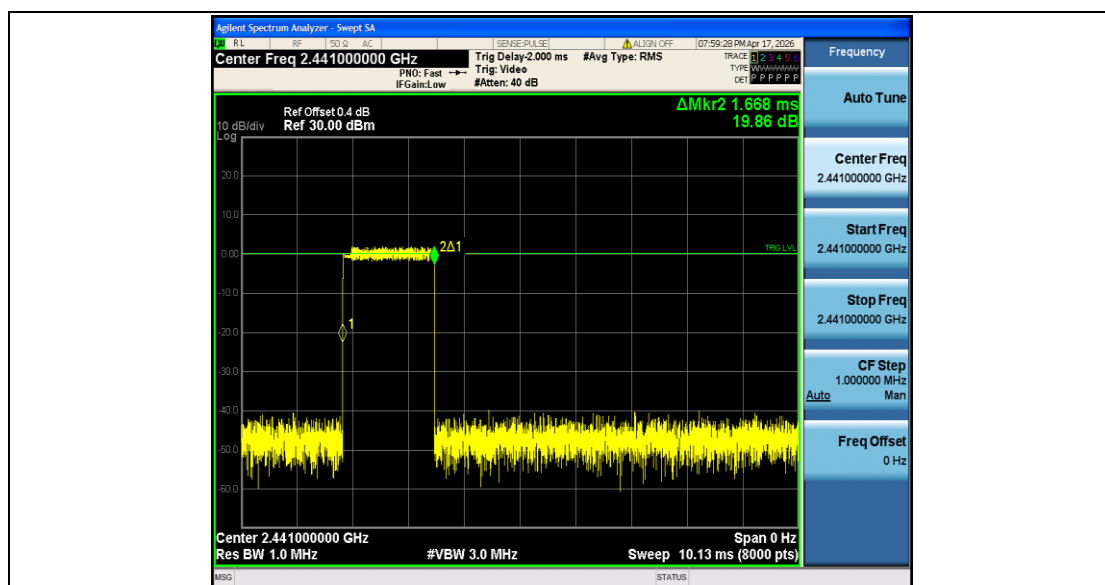




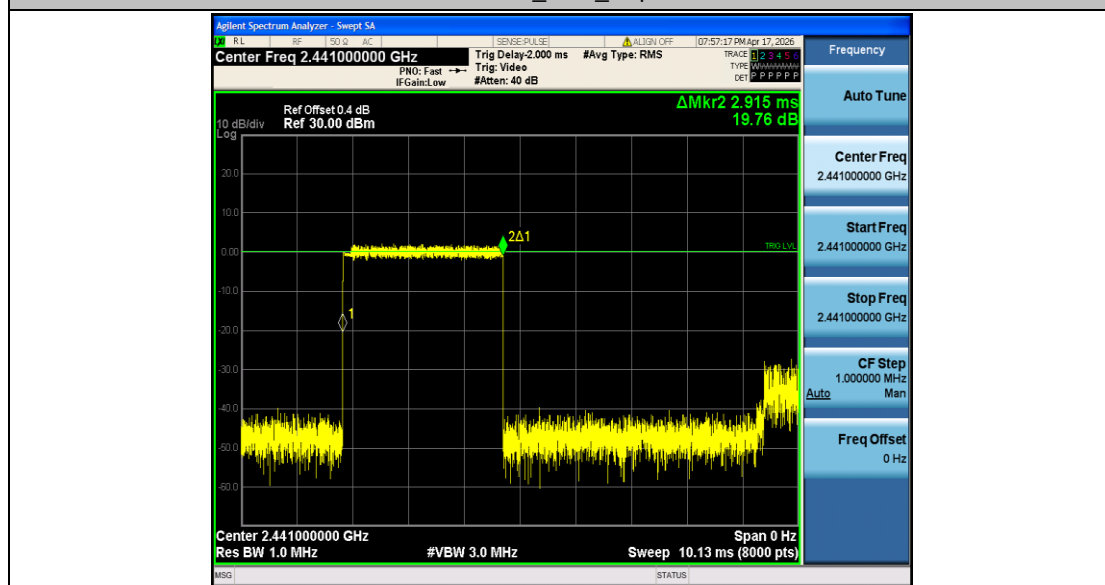
2DH1_Ant1_Hop

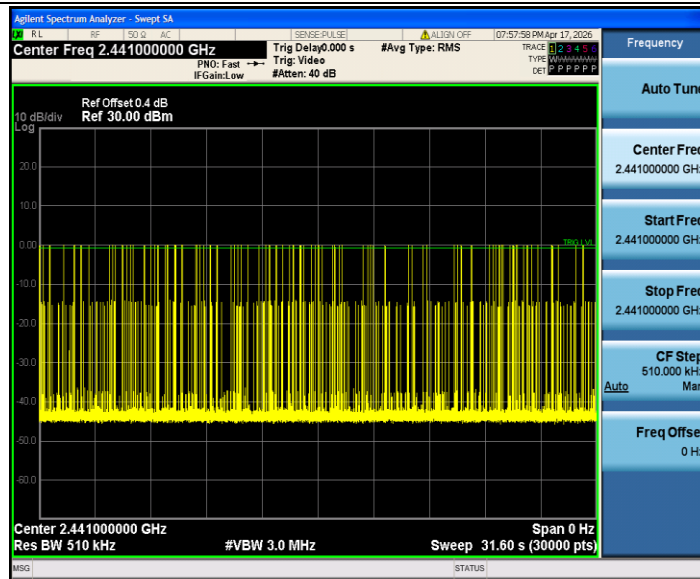


2DH3_Ant1_Hop

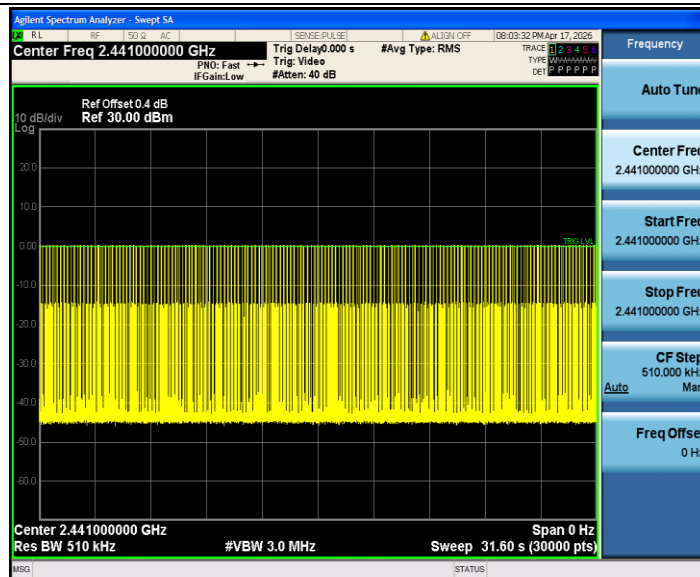
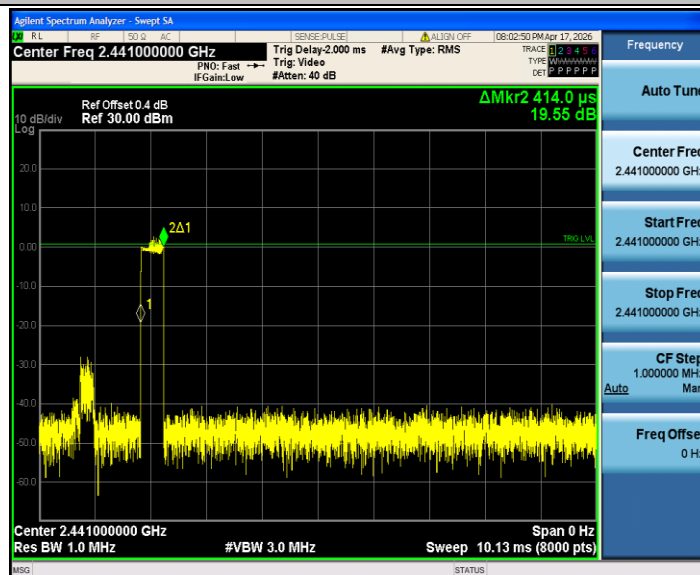


2DH5_Ant1_Hop

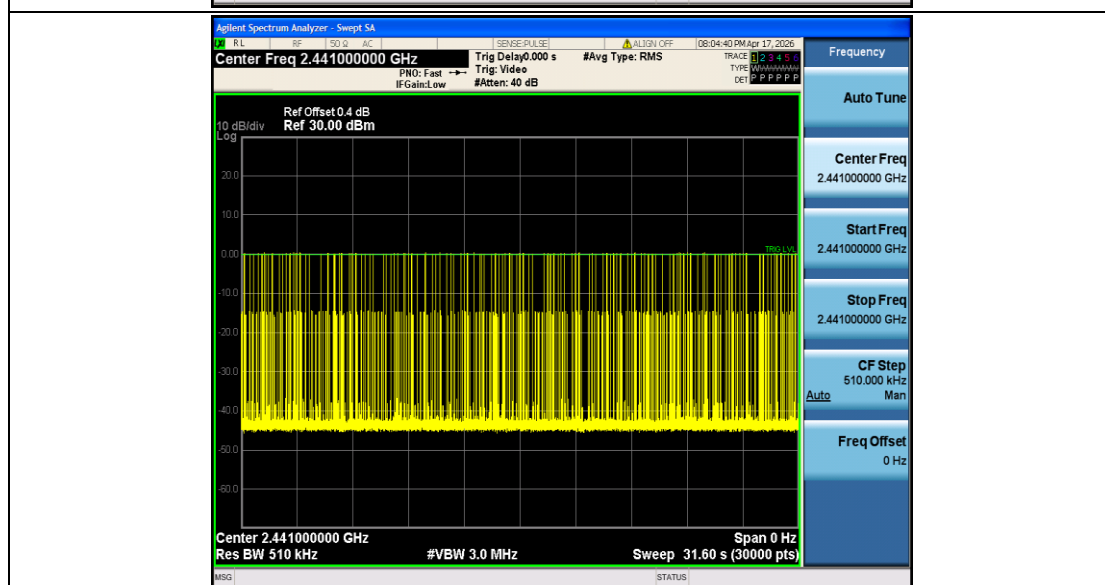
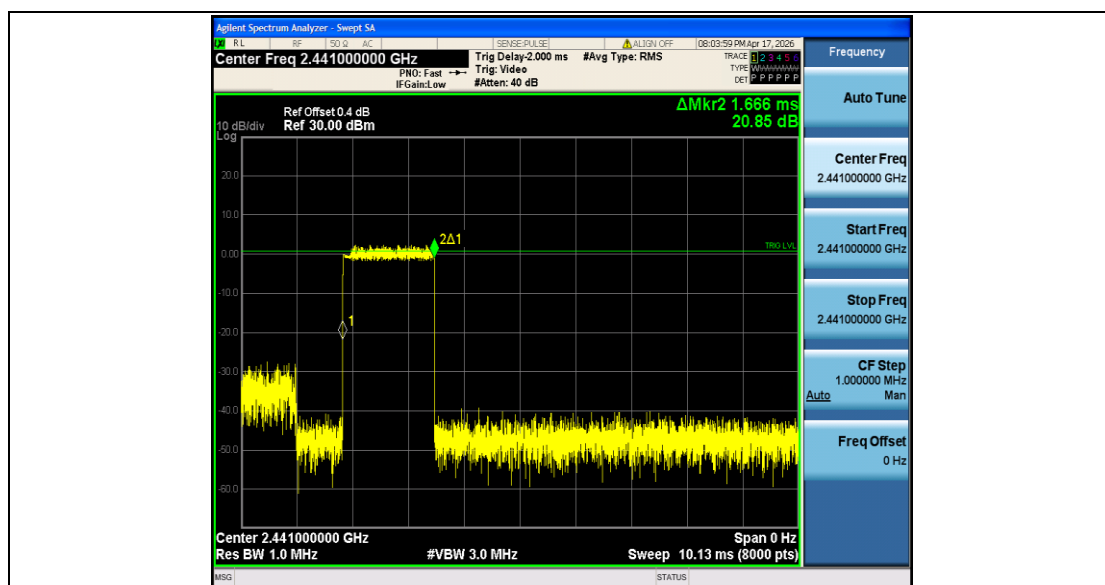




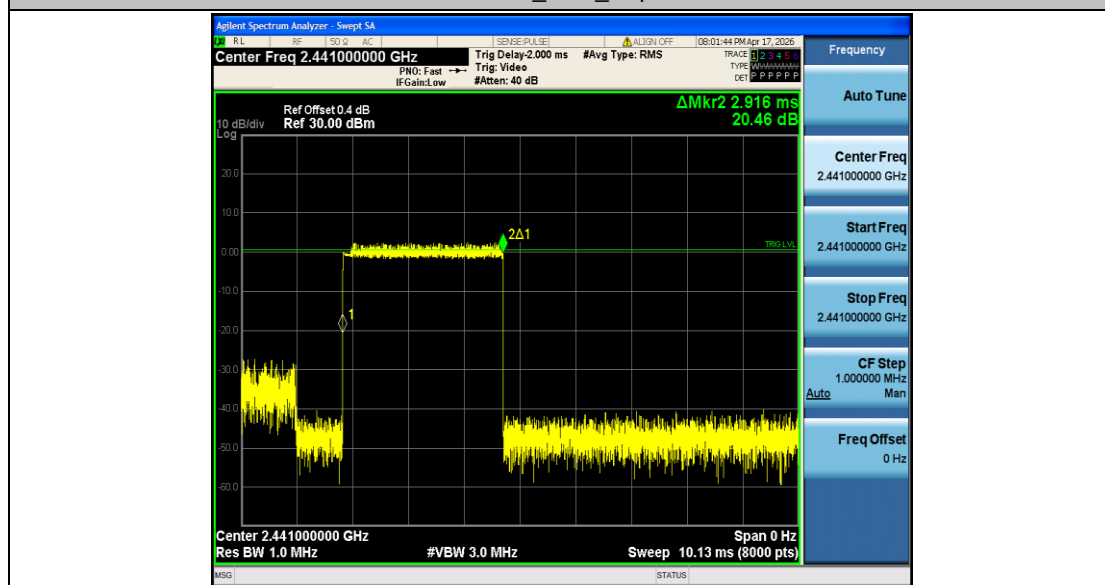
3DH1_Ant1_Hop

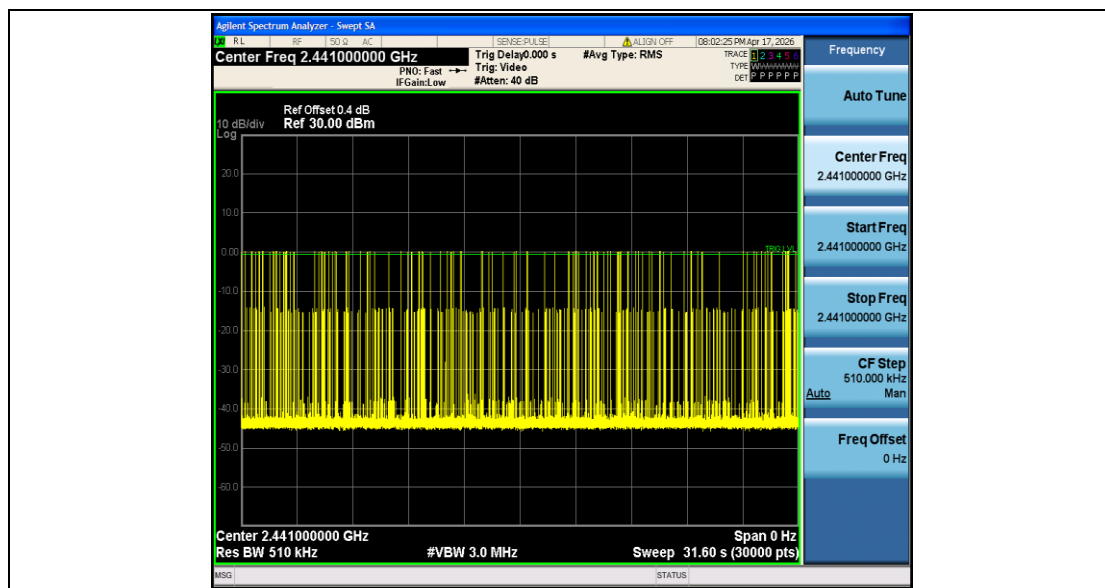


3DH3_Ant1_Hop



3DH5_Ant1_Hop



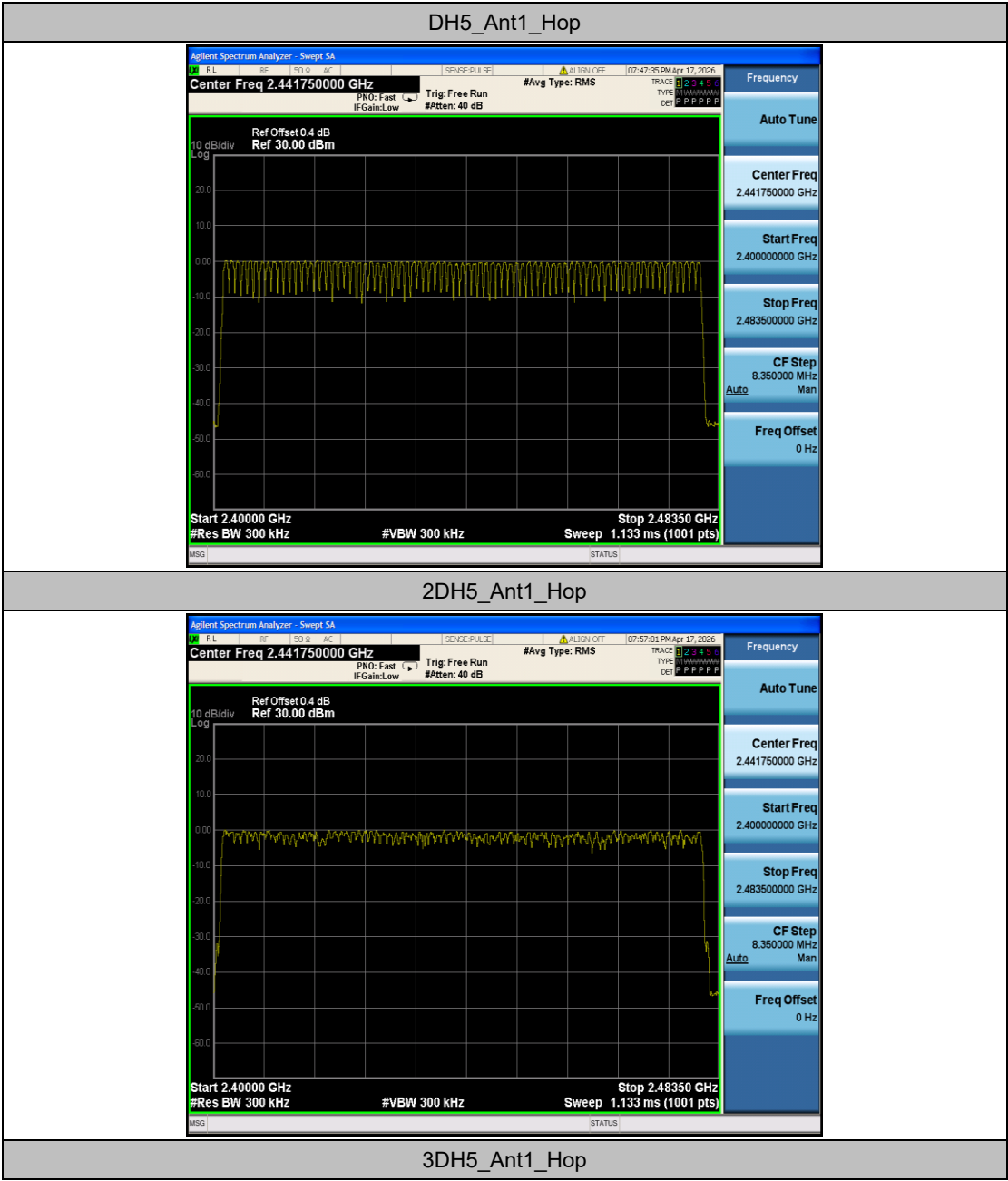


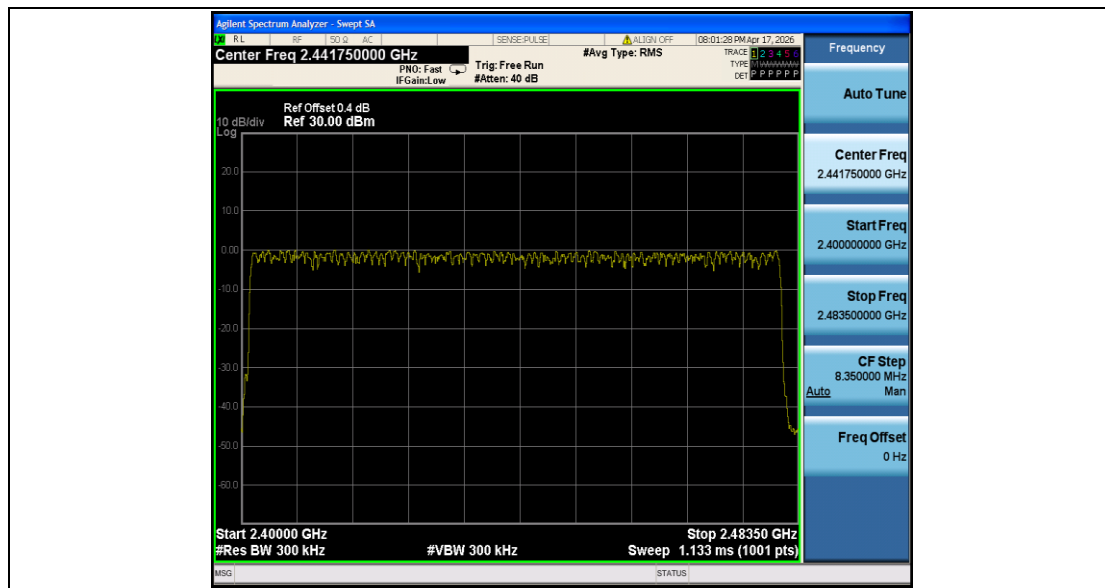
Appendix F: Number of hopping channels

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



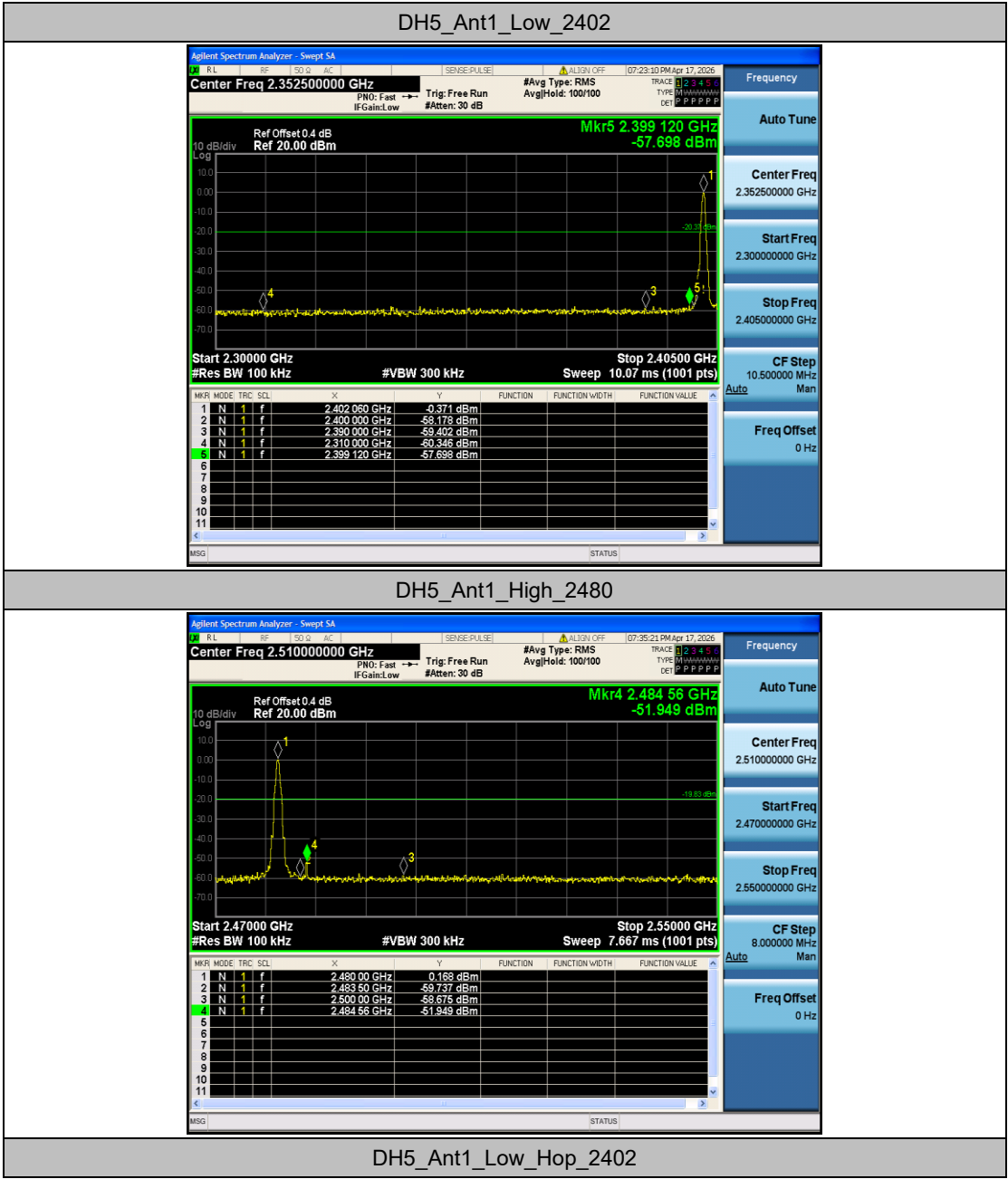


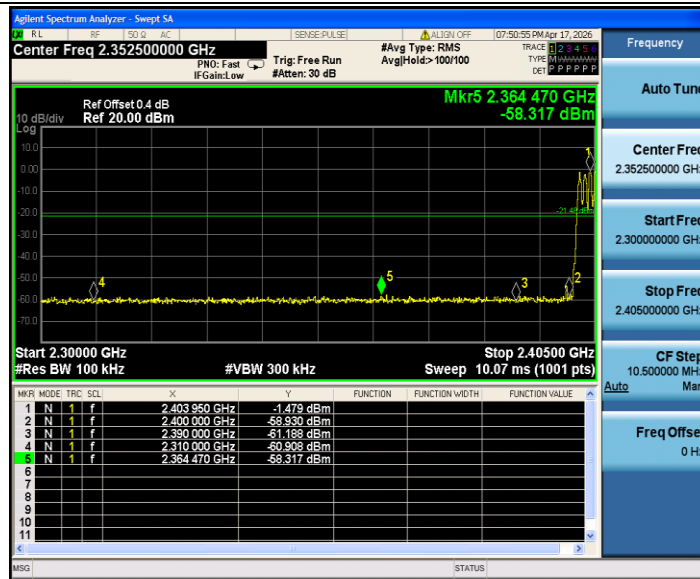
Appendix G: Band edge measurements

Test Result

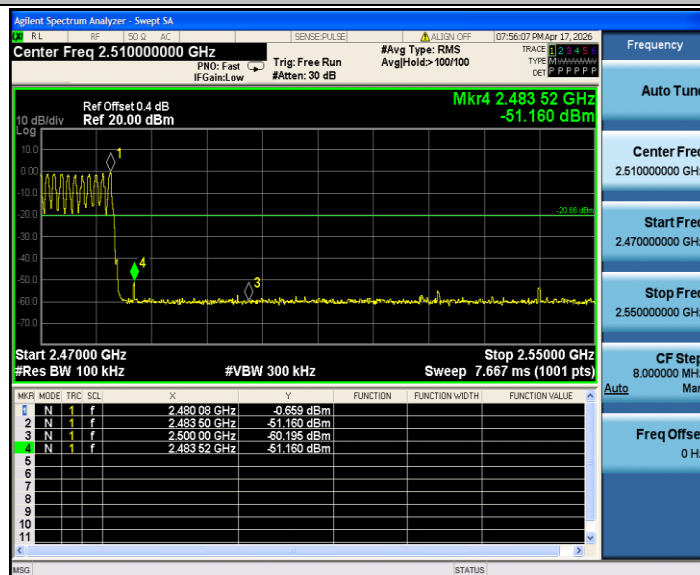
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.37	-57.7	≤ -20.37	PASS
		High	2480	0.17	-51.95	≤ -19.83	PASS
		Low	Hop_2402	-1.48	-58.32	≤ -21.48	PASS
		High	Hop_2480	-0.66	-51.16	≤ -20.66	PASS
2DH5	Ant1	Low	2402	-0.41	-48.89	≤ -20.41	PASS
		High	2480	-0.60	-57.57	≤ -20.6	PASS
		Low	Hop_2402	-3.70	-52.73	≤ -23.7	PASS
		High	Hop_2480	-0.86	-57.14	≤ -20.86	PASS
3DH5	Ant1	Low	2402	-1.89	-50.37	≤ -21.89	PASS
		High	2480	-1.20	-56.52	≤ -21.2	PASS
		Low	Hop_2402	-4.91	-57.9	≤ -24.91	PASS
		High	Hop_2480	-0.63	-56.7	≤ -20.63	PASS

Test Graphs

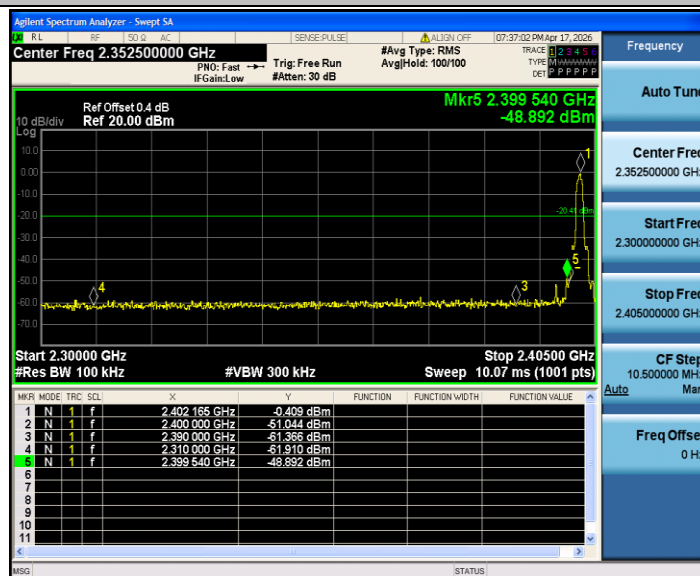




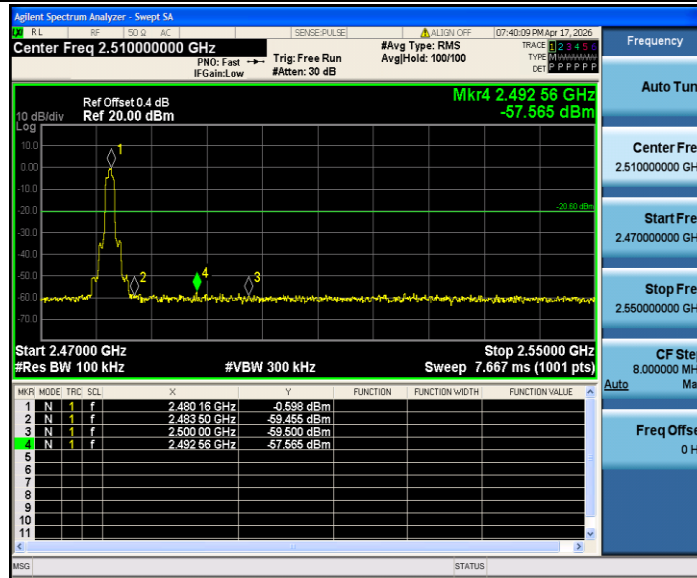
DH5_Ant1_High_Hop_2480



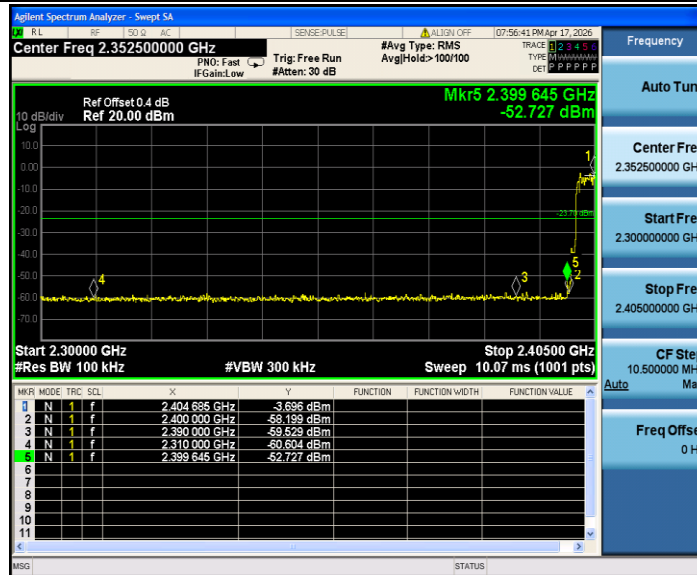
2DH5_Ant1_Low_2402



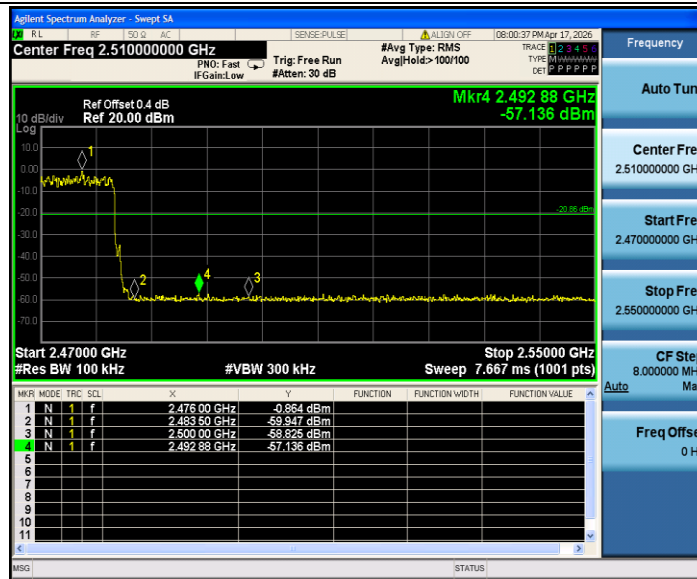
2DH5_Ant1_High_2480



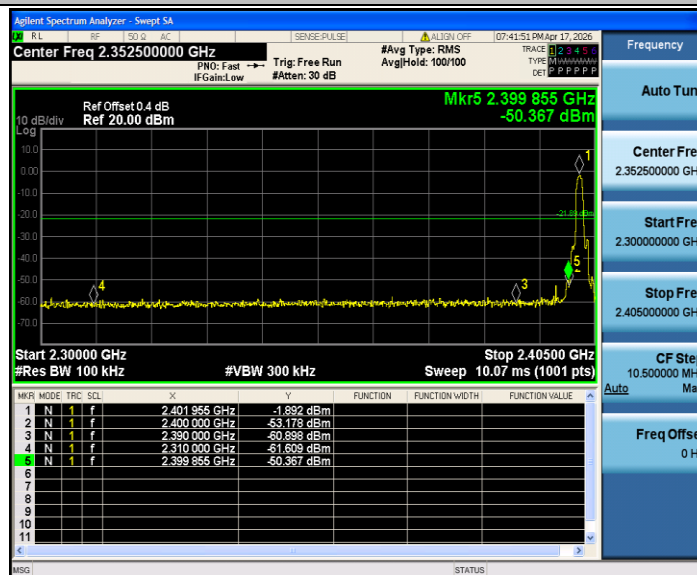
2DH5_Ant1_Low_Hop_2402



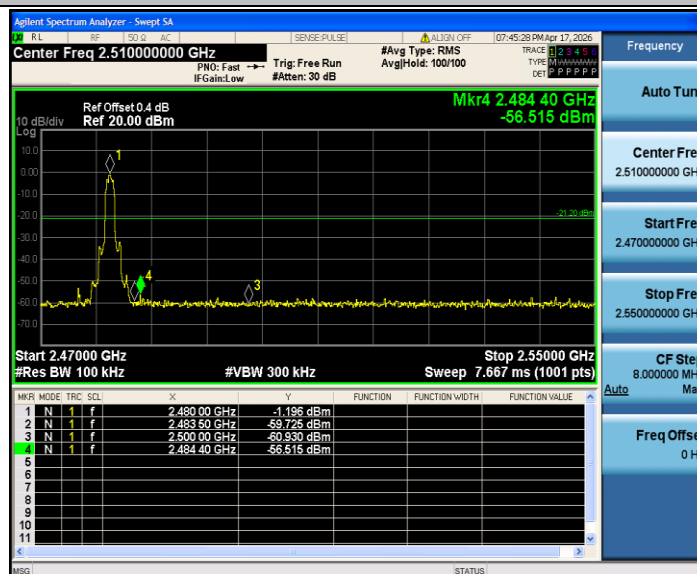
2DH5_Ant1_High_Hop_2480



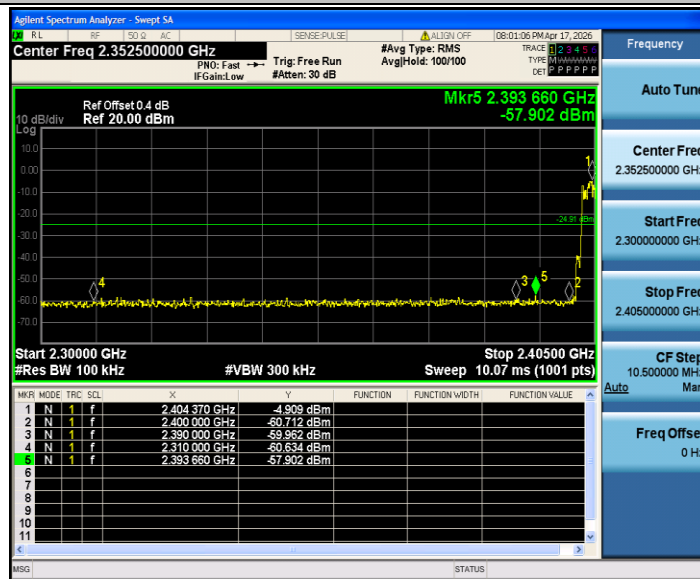
3DH5_Ant1_Low_2402



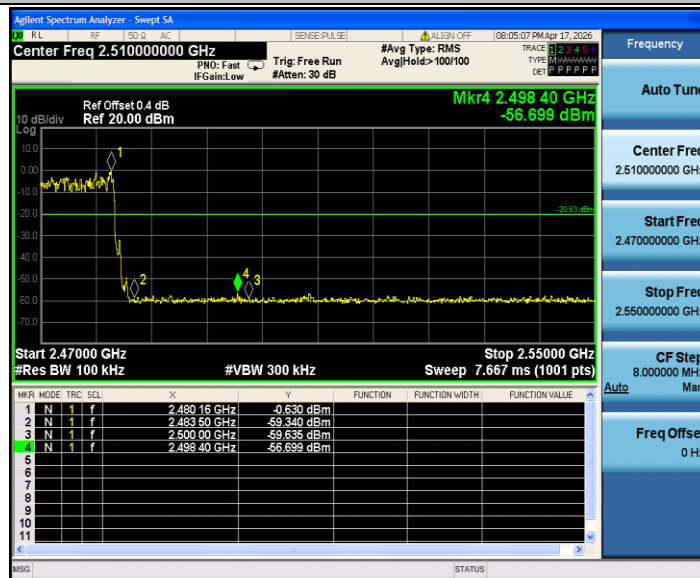
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

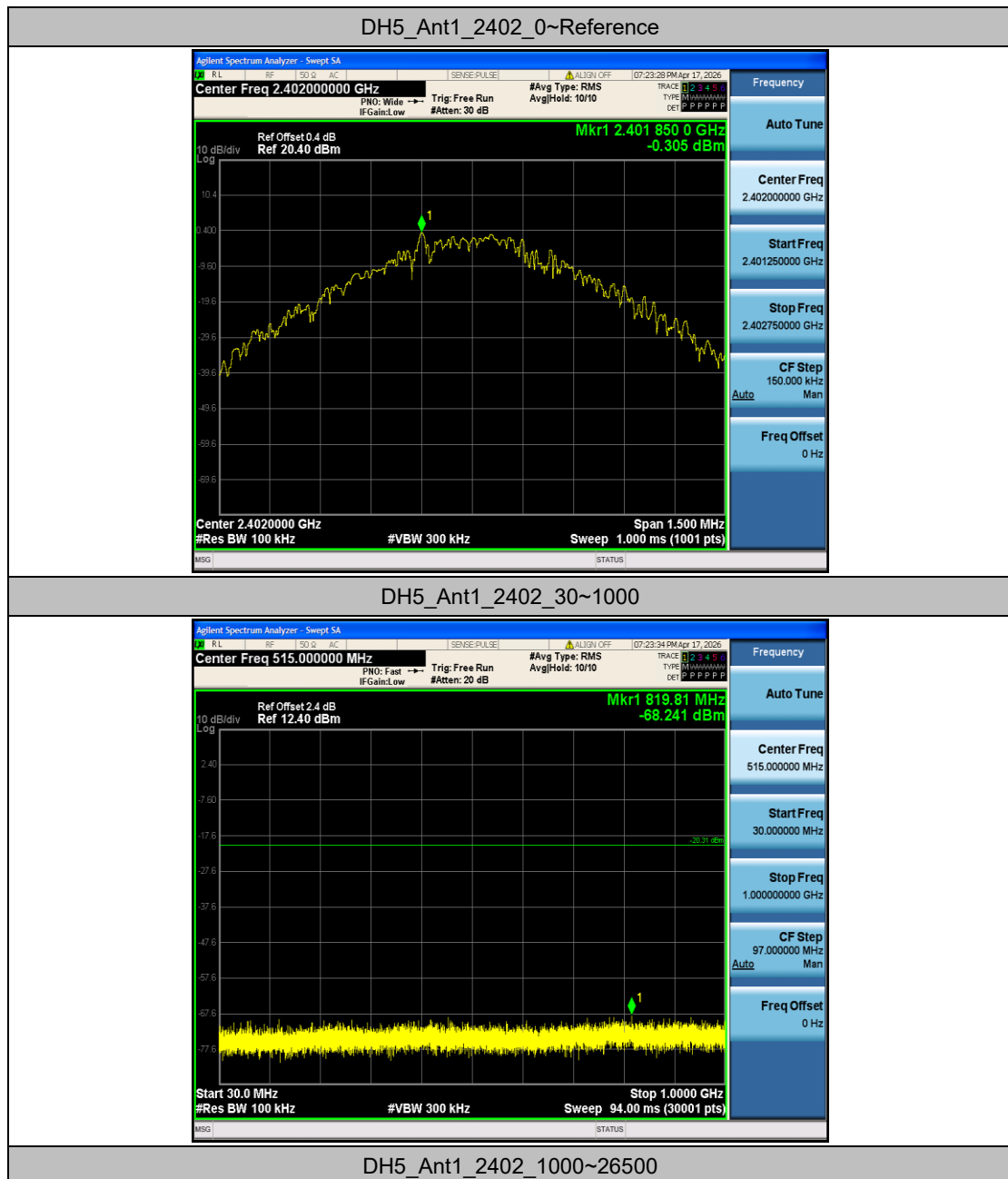


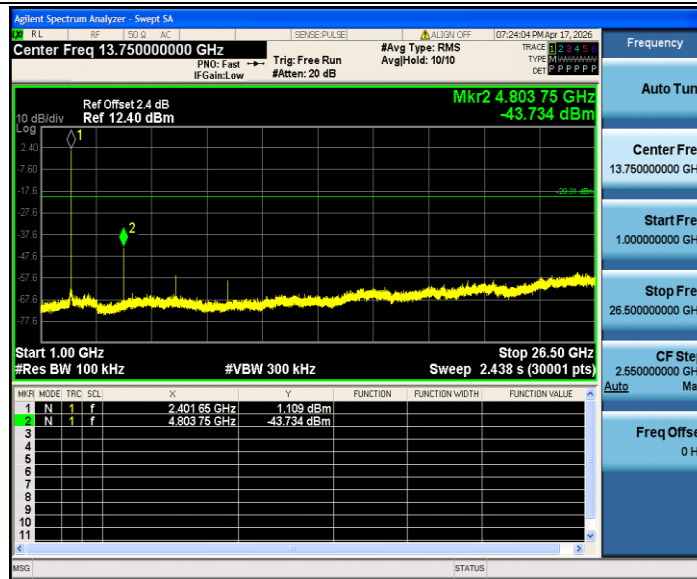
Appendix H: Conducted Spurious Emission

Test Result

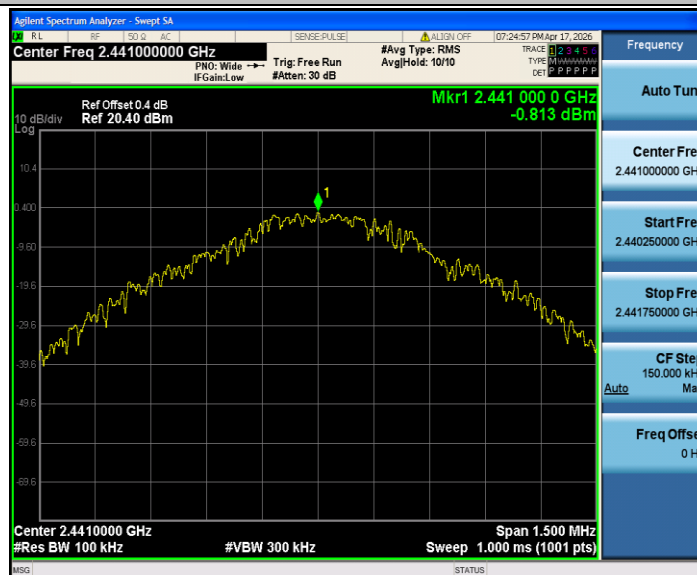
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-68.24	≤-20.31	PASS
			1000~26500	-0.31	-43.73	≤-20.31	PASS
		2441	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-68.71	≤-20.81	PASS
			1000~26500	-0.81	-44.64	≤-20.81	PASS
		2480	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-67.88	≤-19.99	PASS
			1000~26500	0.01	-43.51	≤-19.99	PASS
2DH5	Ant1	2402	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-68.56	≤-21.37	PASS
			1000~26500	-1.37	-44.61	≤-21.37	PASS
		2441	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-68.43	≤-23.6	PASS
			1000~26500	-3.60	-45.4	≤-23.6	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-67.31	≤-21.47	PASS
			1000~26500	-1.47	-44.53	≤-21.47	PASS
3DH5	Ant1	2402	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-68.22	≤-22.58	PASS
			1000~26500	-2.58	-43.89	≤-22.58	PASS
		2441	Reference	-2.78	-2.78	---	PASS
			30~1000	-2.78	-68.27	≤-22.78	PASS
			1000~26500	-2.78	-44.88	≤-22.78	PASS
		2480	Reference	-0.63	-0.63	---	PASS
			30~1000	-0.63	-68.08	≤-20.63	PASS
			1000~26500	-0.63	-44.32	≤-20.63	PASS

Test Graphs

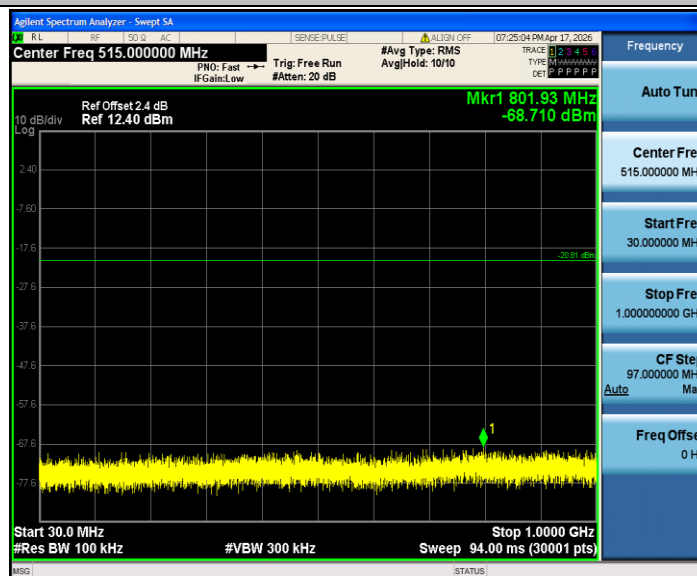




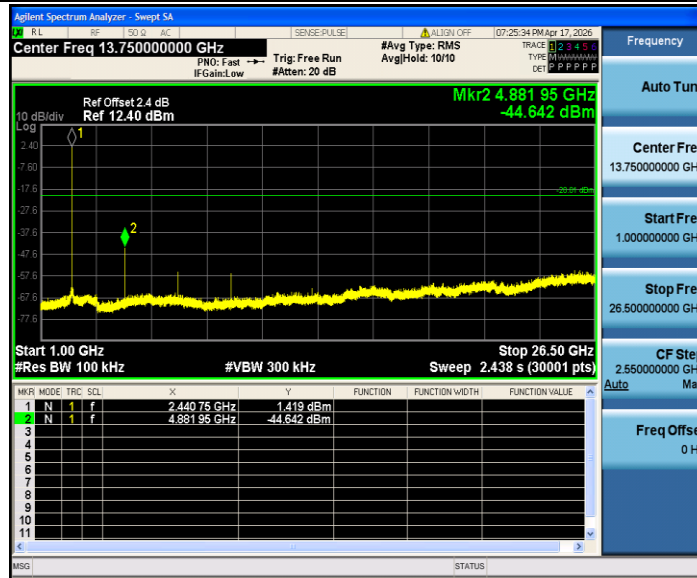
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000