

Appendix RF Test Data for BT

FCC ID : 2BO7G-S60

Company : Shenzhen Yiwei Technology Co., LTD

EUT : Wireless Earphone

Model Number : S60

Report No. : CTA25070700302

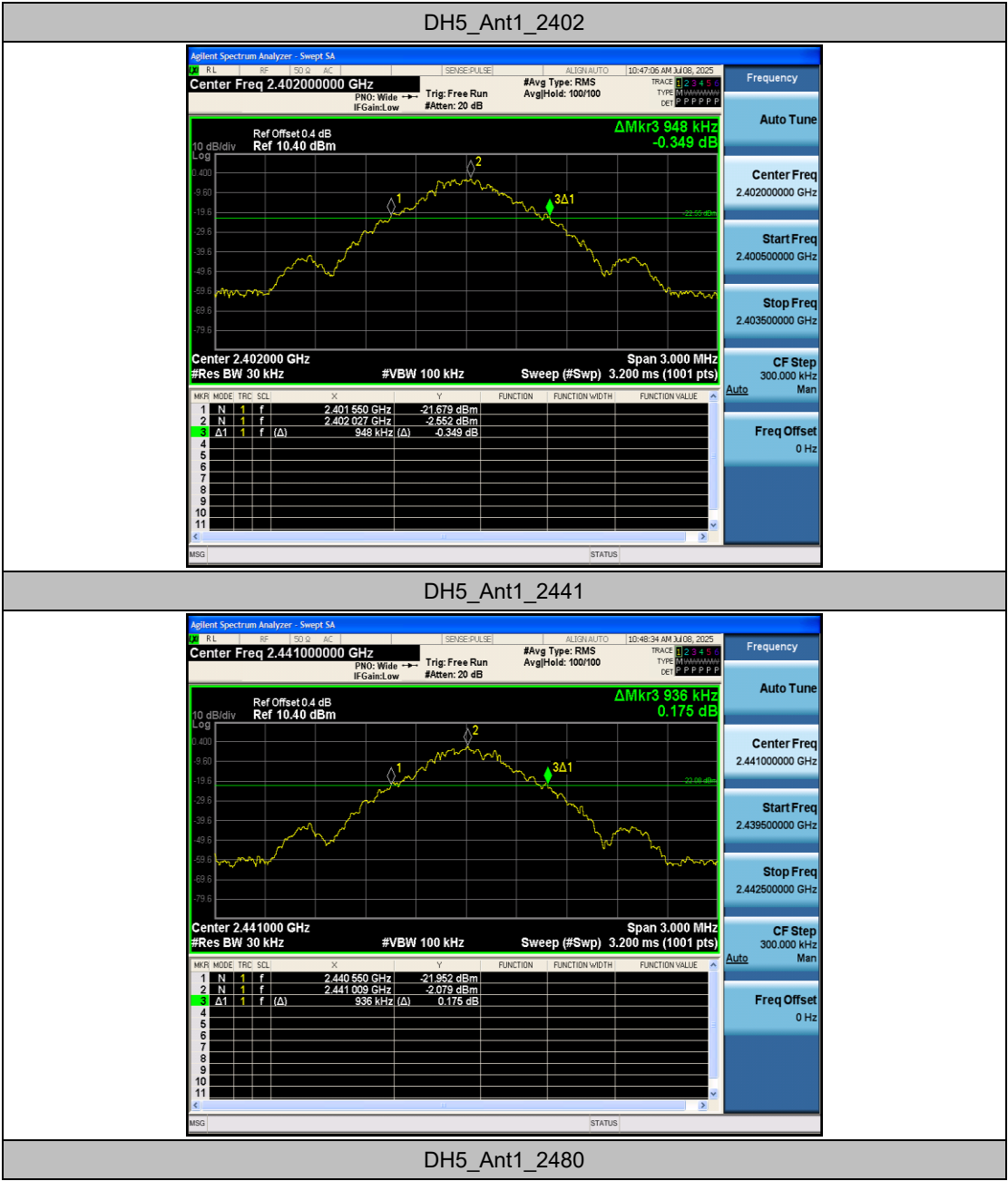
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.550	2402.498	---	---
		2441	0.936	2440.550	2441.486	---	---
		2480	0.933	2479.550	2480.483	---	---
2DH5	Ant1	2402	1.341	2401.337	2402.678	---	---
		2441	1.308	2440.355	2441.663	---	---
		2480	1.275	2479.382	2480.657	---	---
3DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.320	2440.346	2441.666	---	---
		2480	1.314	2479.352	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

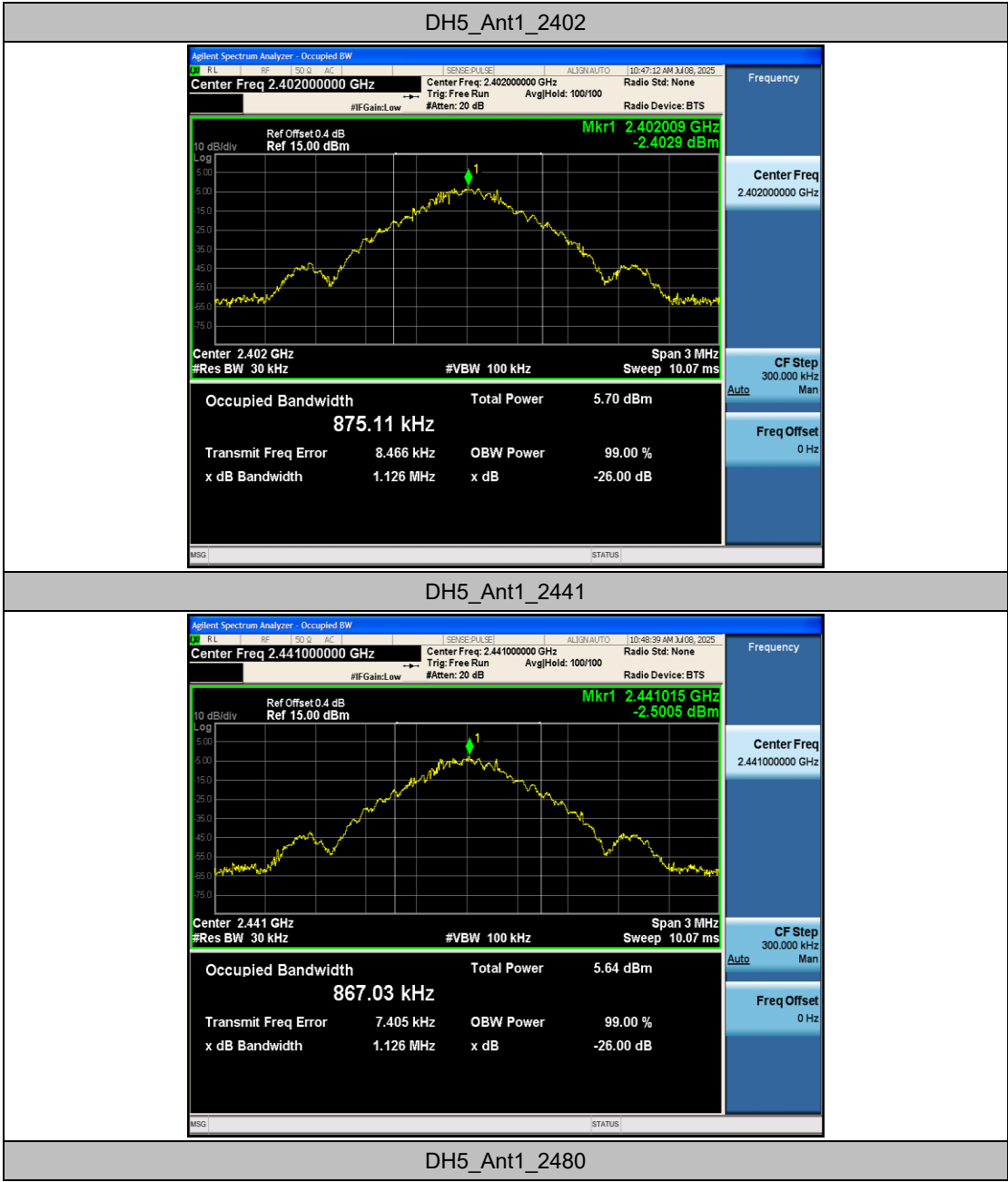


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87511	2401.5709	2402.4460	---	---
		2441	0.86703	2440.5739	2441.4409	---	---
		2480	0.86662	2479.5753	2480.4419	---	---
2DH5	Ant1	2402	1.1839	2401.4178	2402.6017	---	---
		2441	1.1911	2440.4149	2441.6060	---	---
		2480	1.1859	2479.4168	2480.6027	---	---
3DH5	Ant1	2402	1.1869	2401.4156	2402.6025	---	---
		2441	1.1847	2440.4162	2441.6009	---	---
		2480	1.1862	2479.4169	2480.6031	---	---

Test Graphs

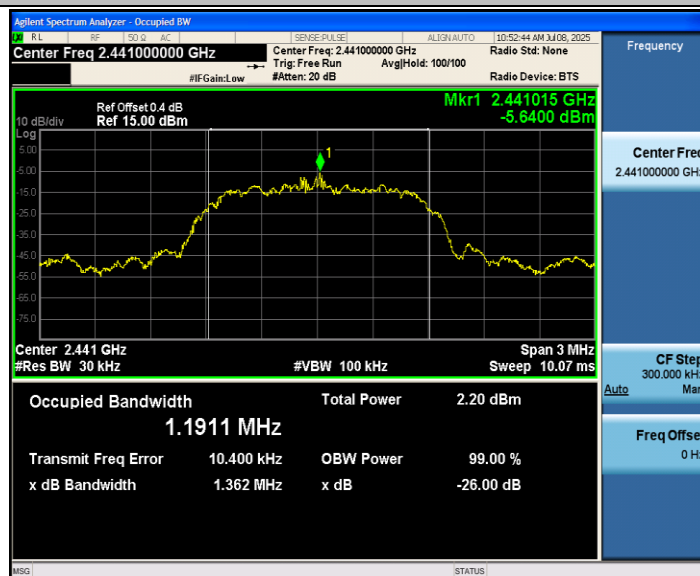




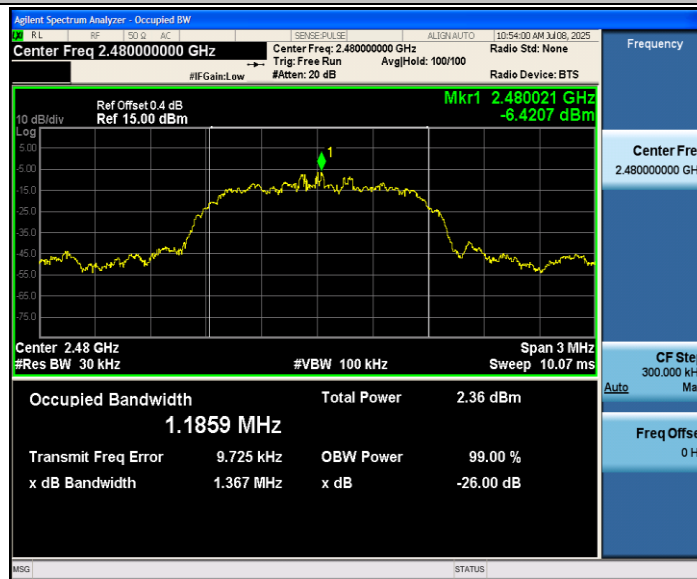
2DH5_Ant1_2402



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	-0.13	≤20.97	PASS
		2441	-0.36	≤20.97	PASS
		2480	-0.45	≤20.97	PASS
2DH5	Ant1	2402	-0.91	≤20.97	PASS
		2441	-1.12	≤20.97	PASS
		2480	-1.21	≤20.97	PASS
3DH5	Ant1	2402	-0.86	≤20.97	PASS
		2441	-1.11	≤20.97	PASS
		2480	-1.22	≤20.97	PASS

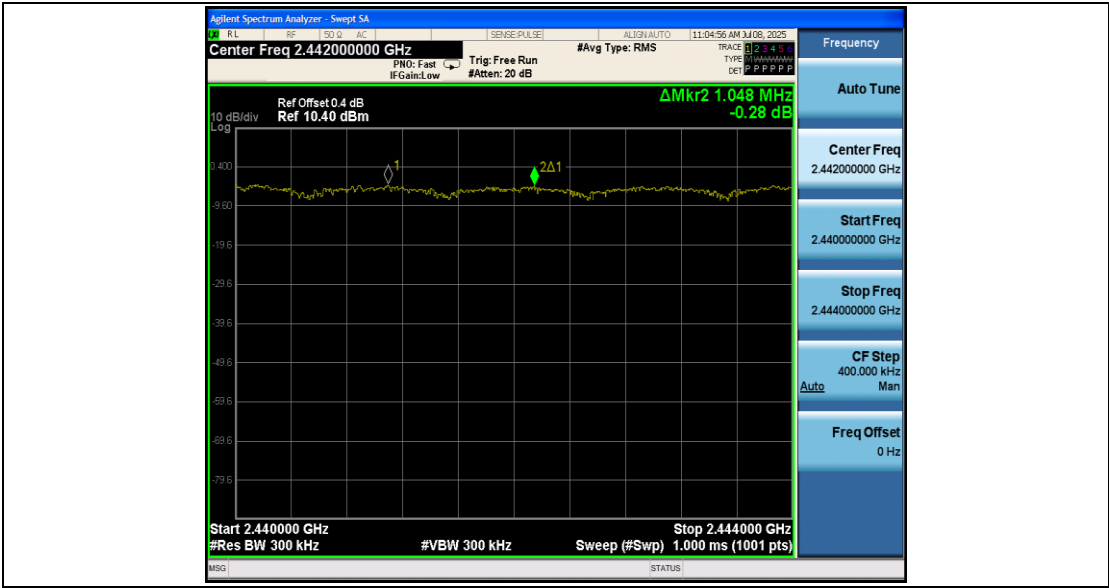
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.948	PASS
2DH5	Ant1	Hop	1.004	≥ 0.894	PASS
3DH5	Ant1	Hop	1.048	≥ 0.880	PASS

Test Graphs



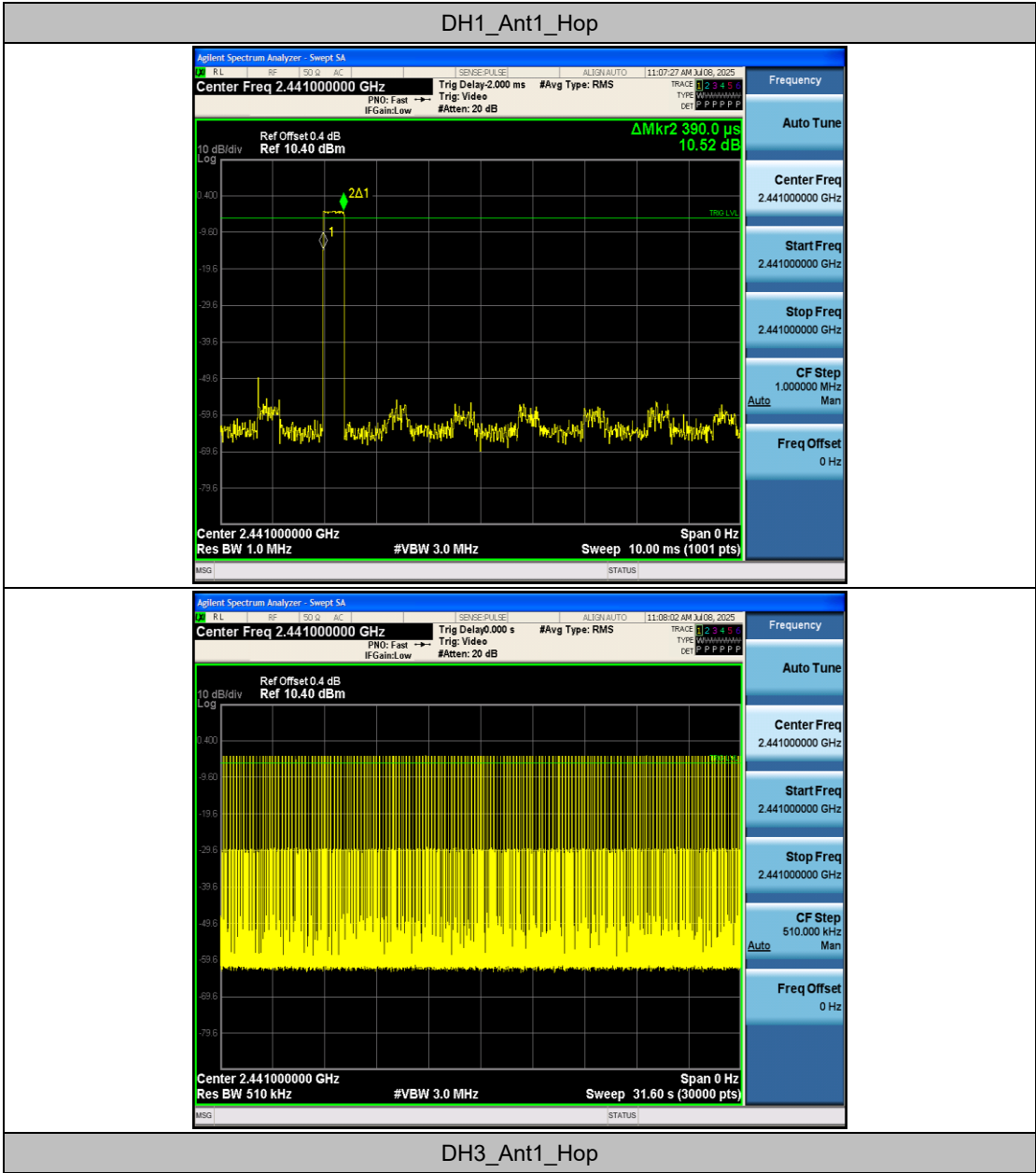


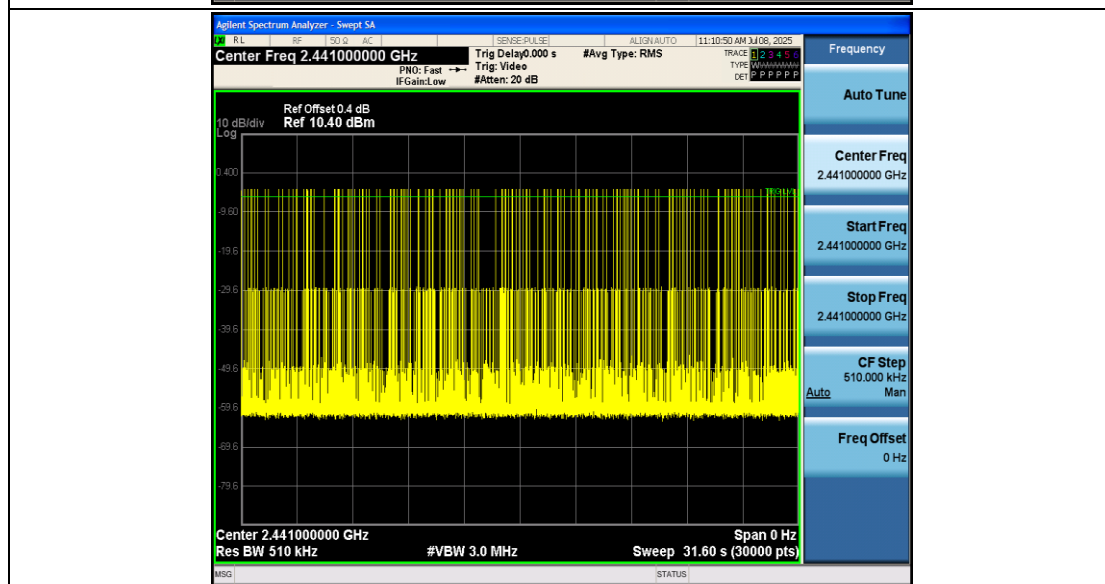
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	165	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.890	111	0.321	≤0.4	PASS
2DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	164	0.269	≤0.4	PASS
3DH5	Ant1	Hop	2.900	113	0.328	≤0.4	PASS

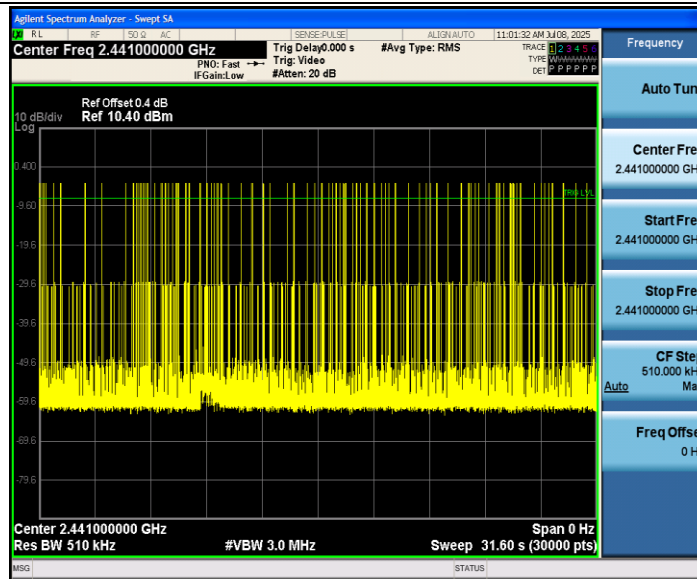
Test Graphs



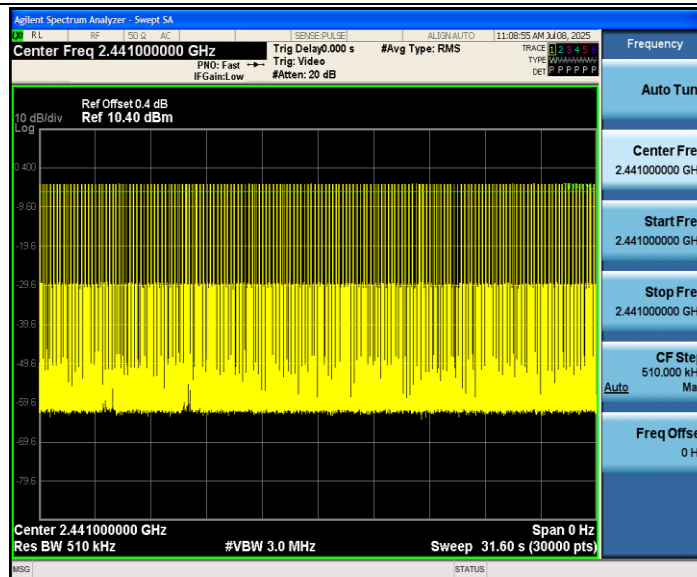
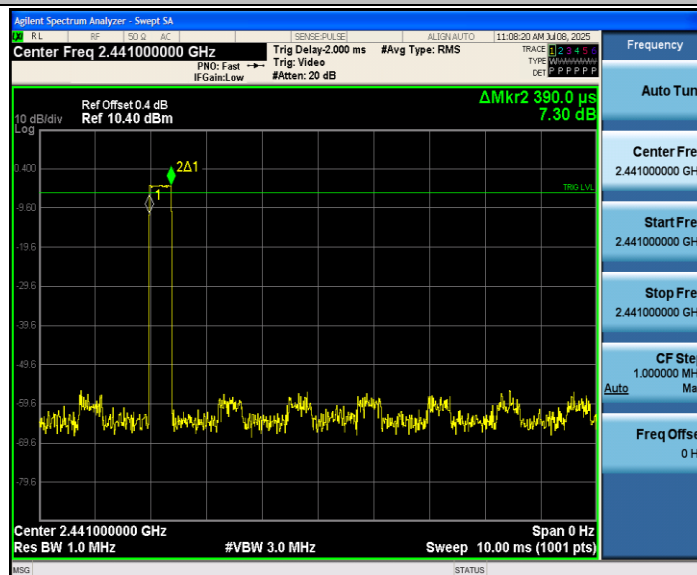


DH5_Ant1_Hop

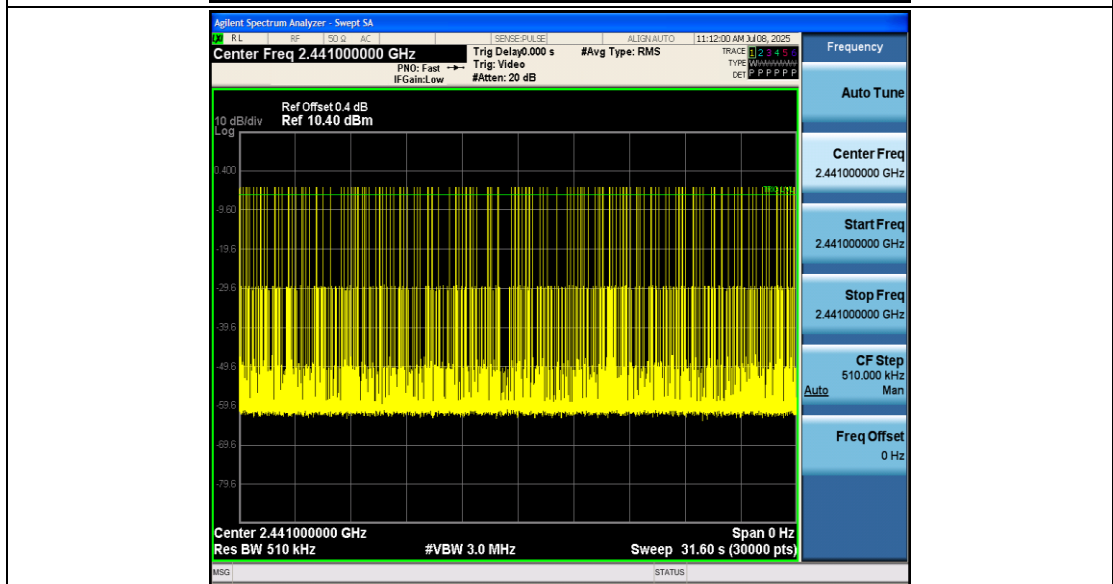
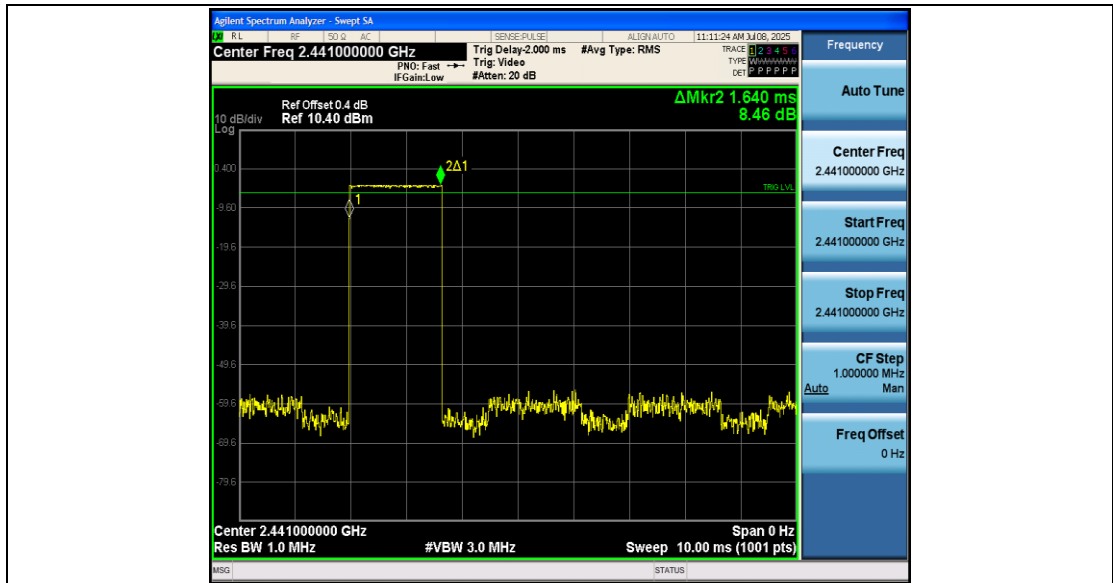




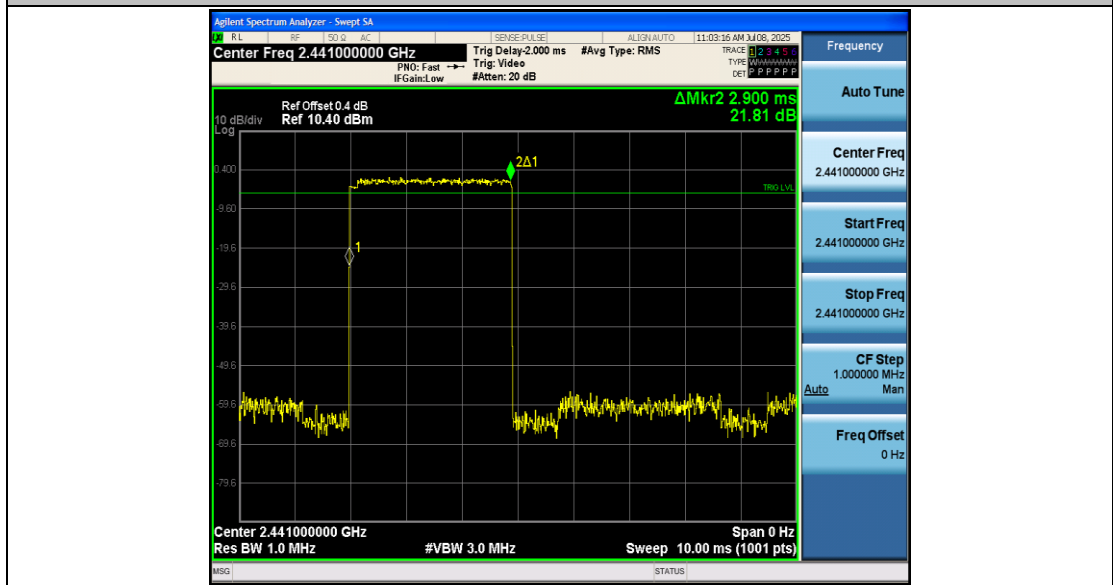
2DH1_Ant1_Hop

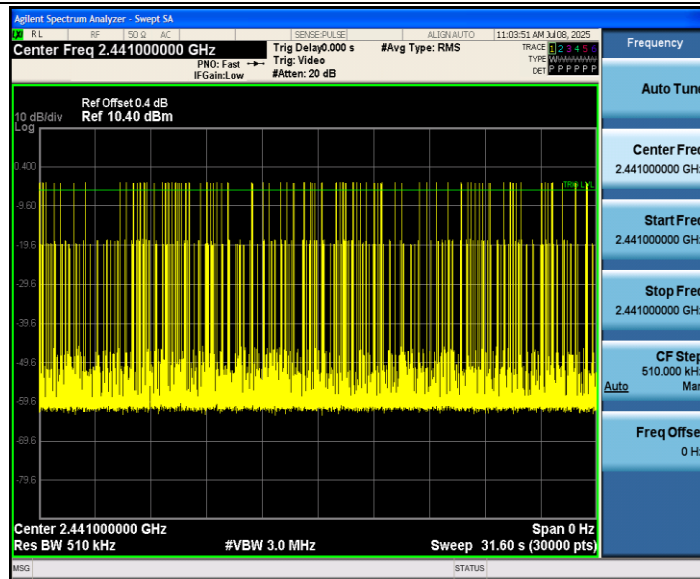


2DH3_Ant1_Hop

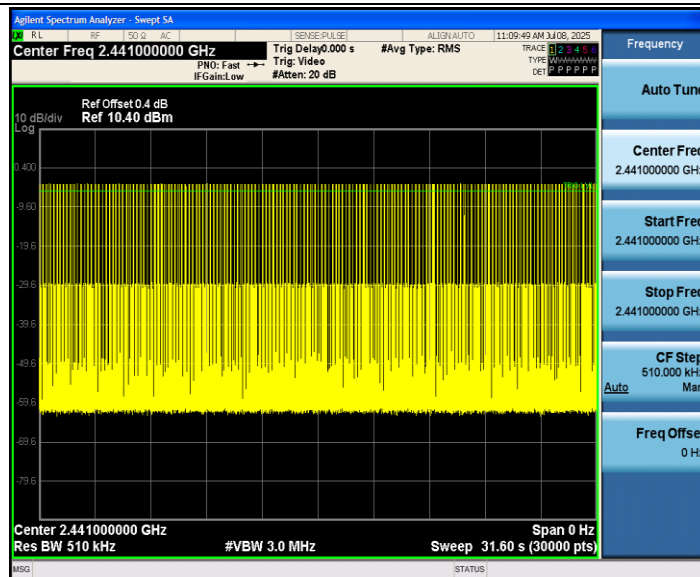
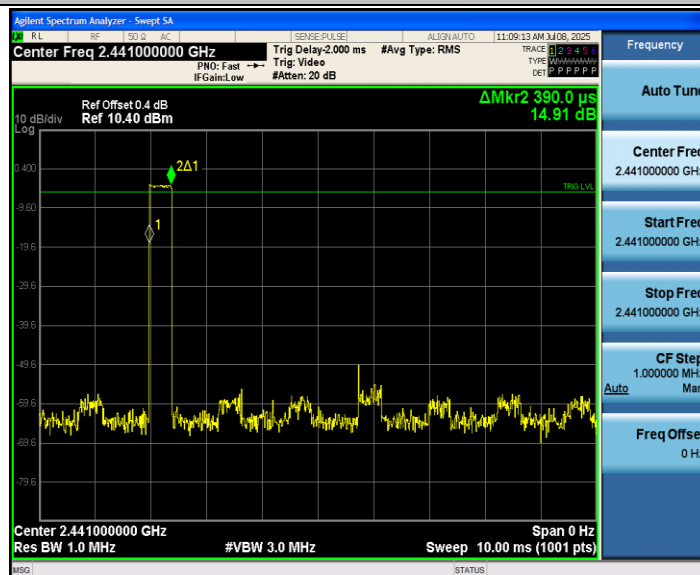


2DH5_Ant1_Hop

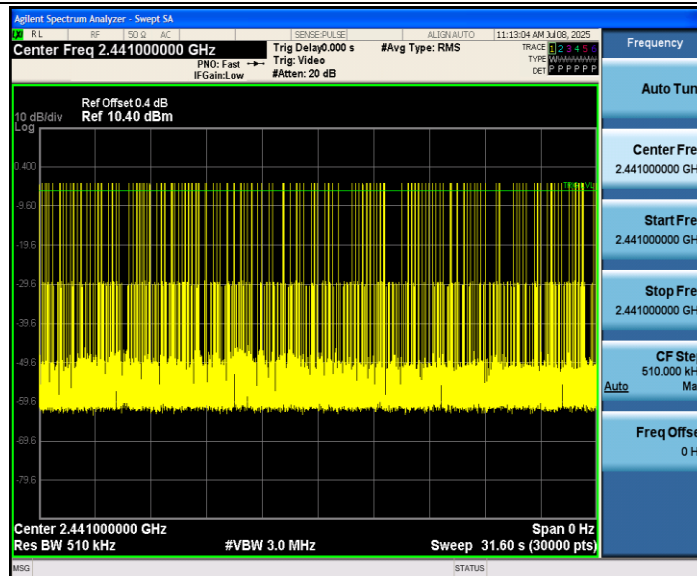




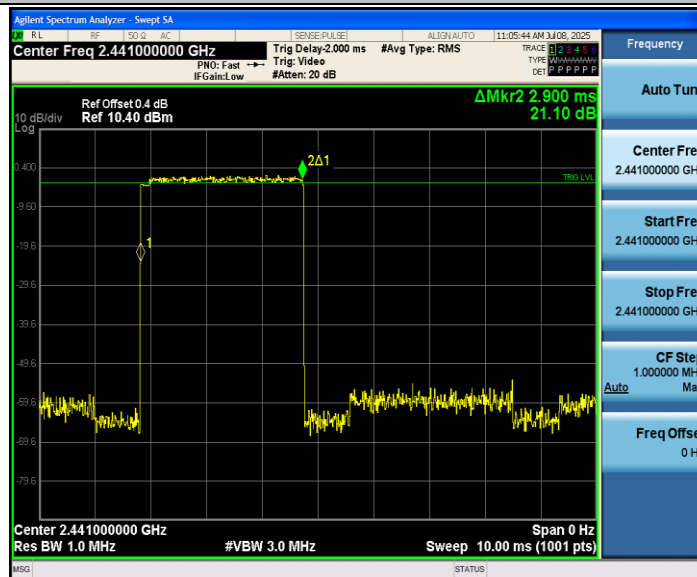
3DH1_Ant1_Hop

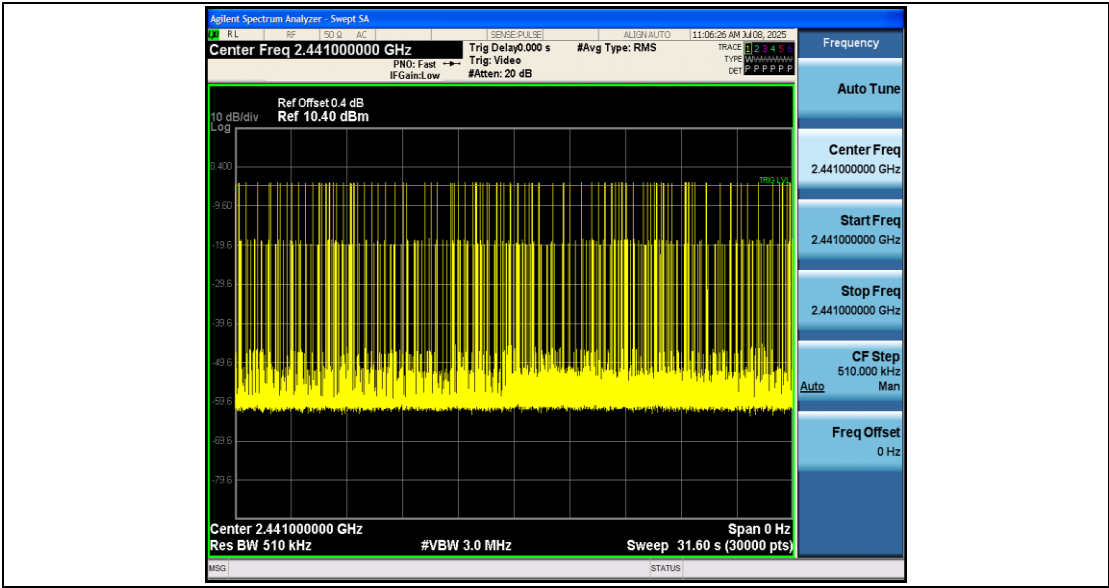


3DH3_Ant1_Hop



3DH5_Ant1_Hop





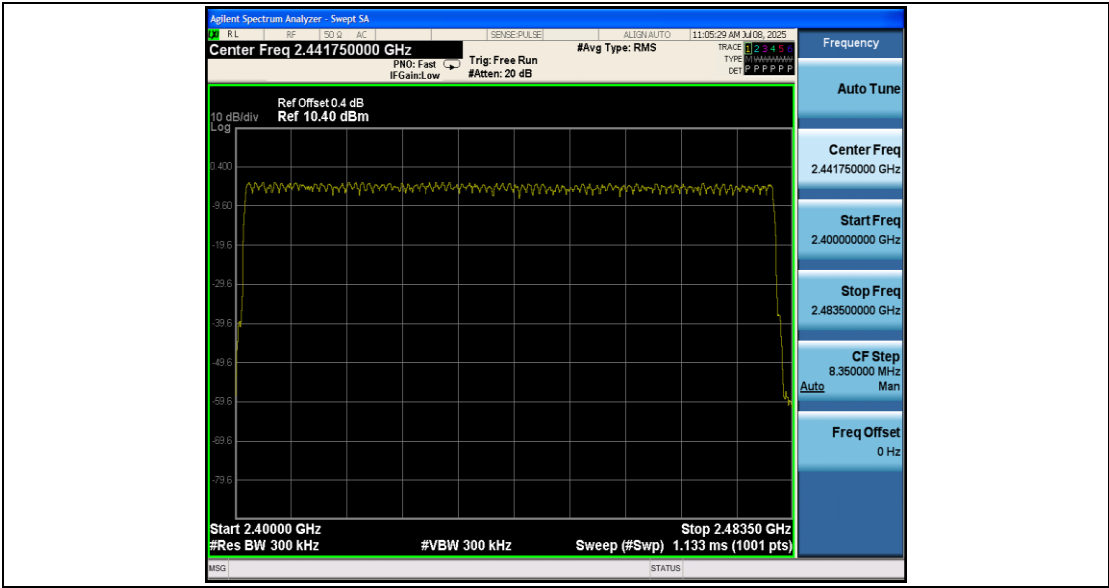
Appendix F: Number of hopping channels

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



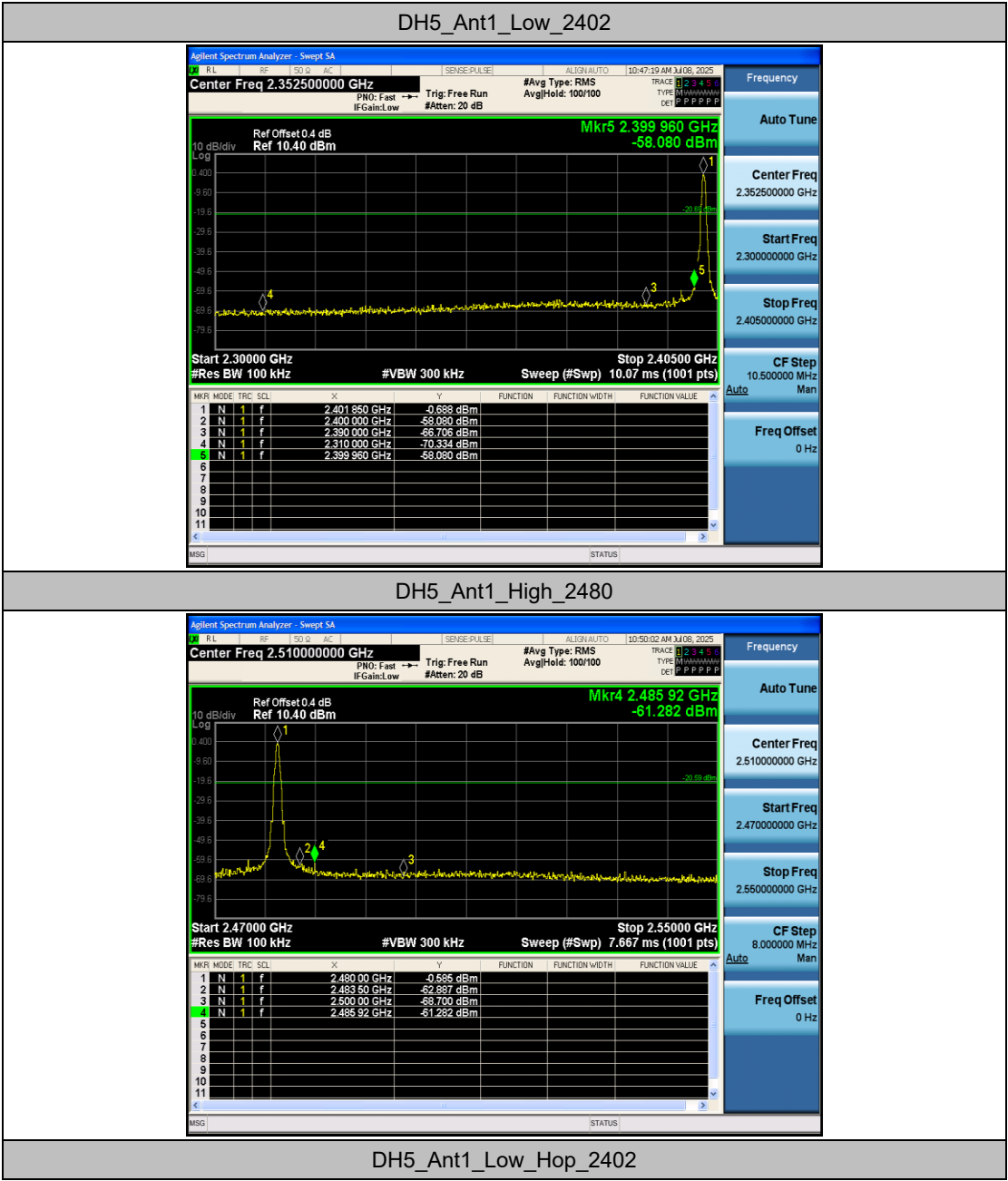


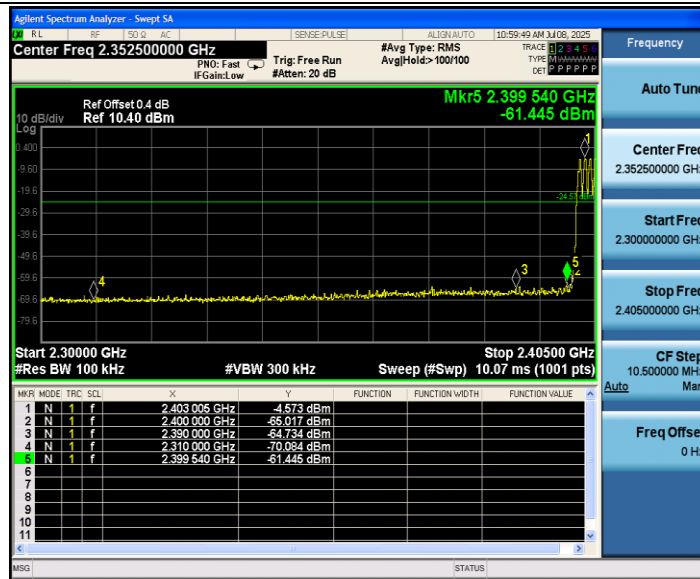
Appendix G: Band edge measurements

Test Result

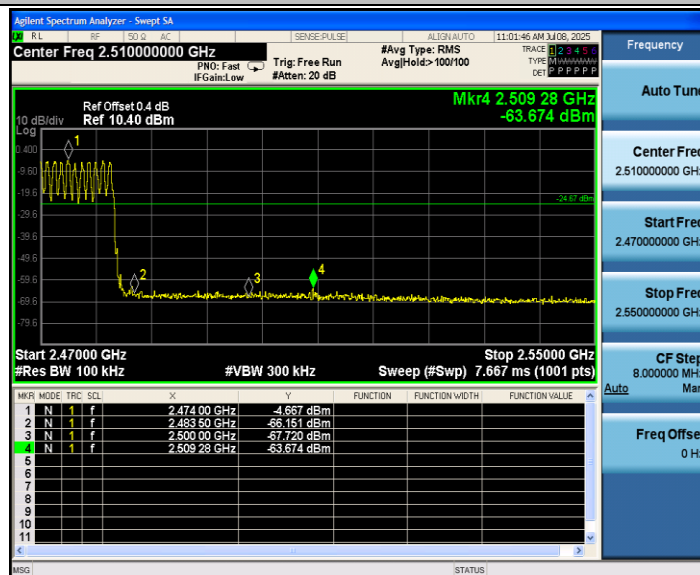
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.69	-58.08	≤-20.69	PASS
		High	2480	-0.59	-61.28	≤-20.59	PASS
		Low	Hop_2402	-4.57	-61.45	≤-24.57	PASS
		High	Hop_2480	-4.67	-63.67	≤-24.67	PASS
2DH5	Ant1	Low	2402	-3.66	-59.51	≤-23.66	PASS
		High	2480	-4.88	-56.66	≤-24.88	PASS
		Low	Hop_2402	-3.54	-63.11	≤-23.54	PASS
		High	Hop_2480	-5.11	-63.79	≤-25.11	PASS
3DH5	Ant1	Low	2402	-5.39	-59.89	≤-25.39	PASS
		High	2480	-3.81	-57.26	≤-23.81	PASS
		Low	Hop_2402	-3.48	-63.54	≤-23.48	PASS
		High	Hop_2480	-5.33	-63.68	≤-25.33	PASS

Test Graphs

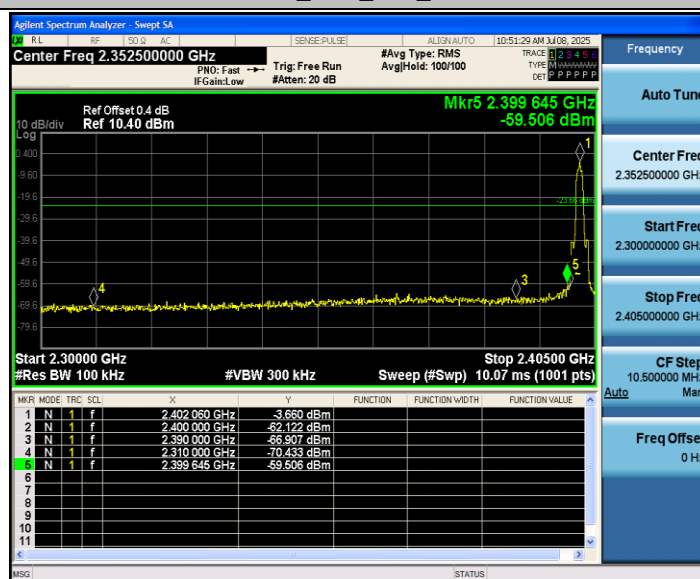




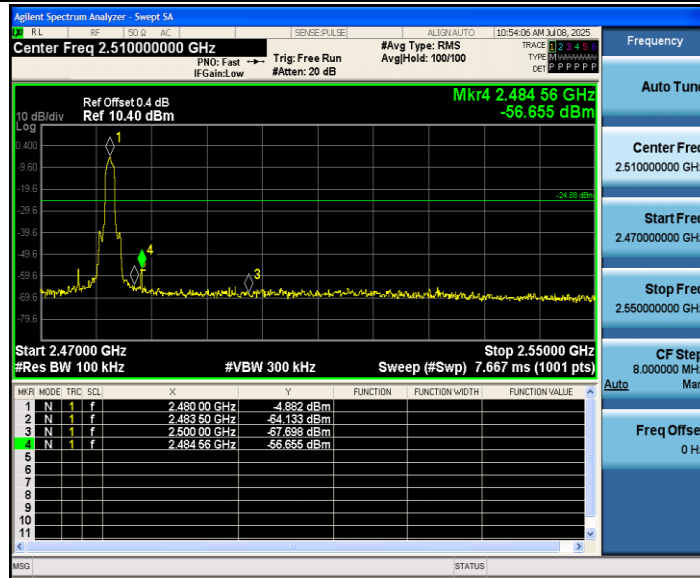
DH5_Ant1_High_Hop_2480



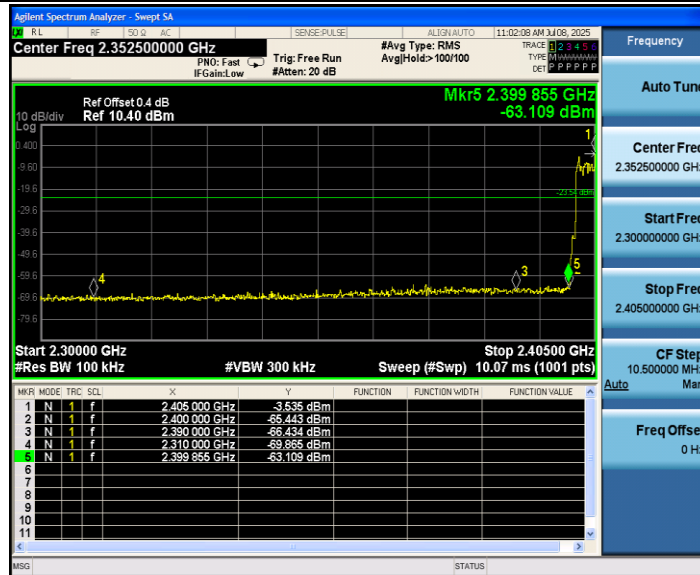
2DH5_Ant1_Low_2402



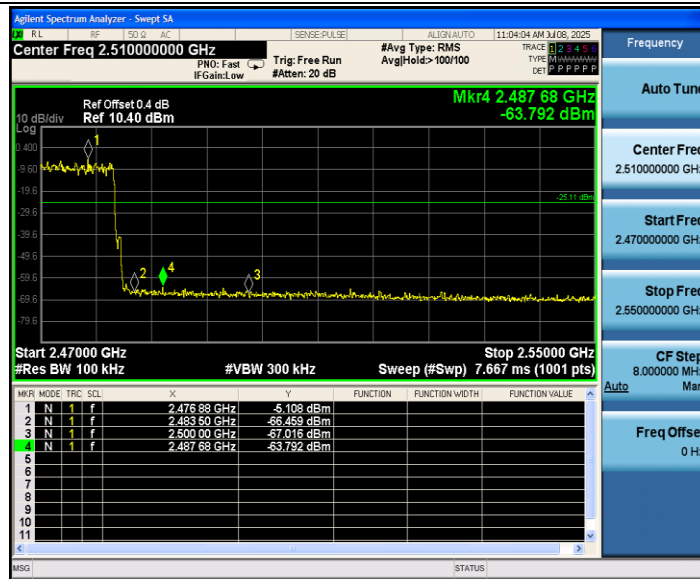
2DH5_Ant1_High_2480



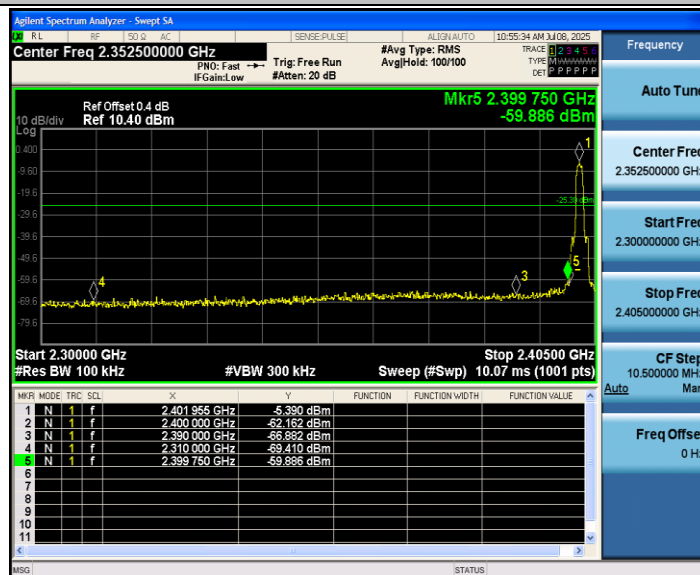
2DH5_Ant1_Low_Hop_2402



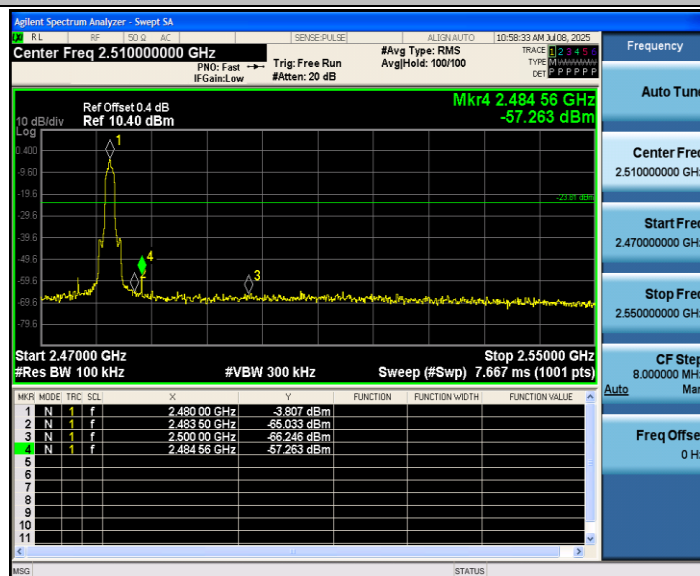
2DH5_Ant1_High_Hop_2480



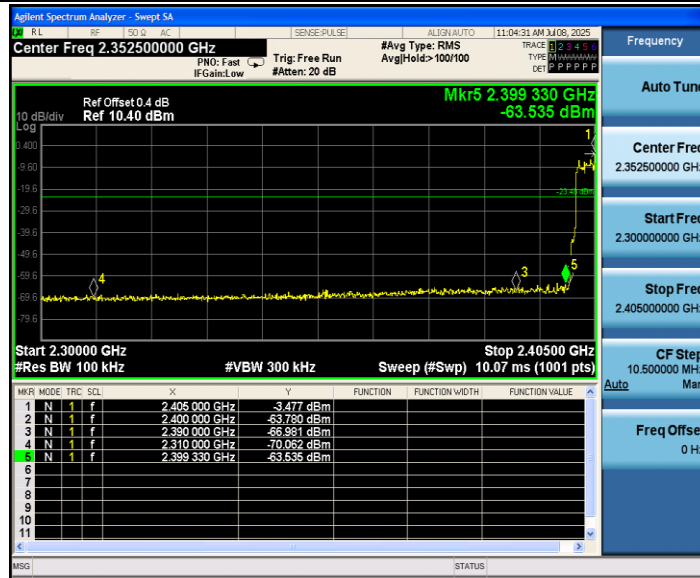
3DH5_Ant1_Low_2402



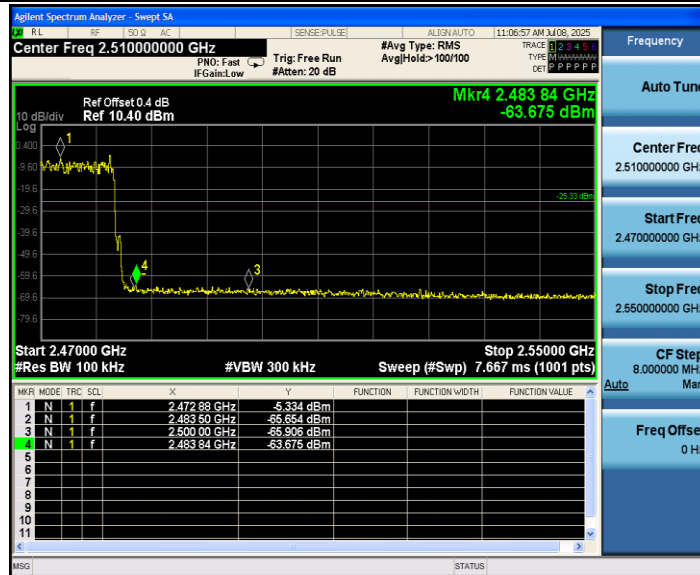
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

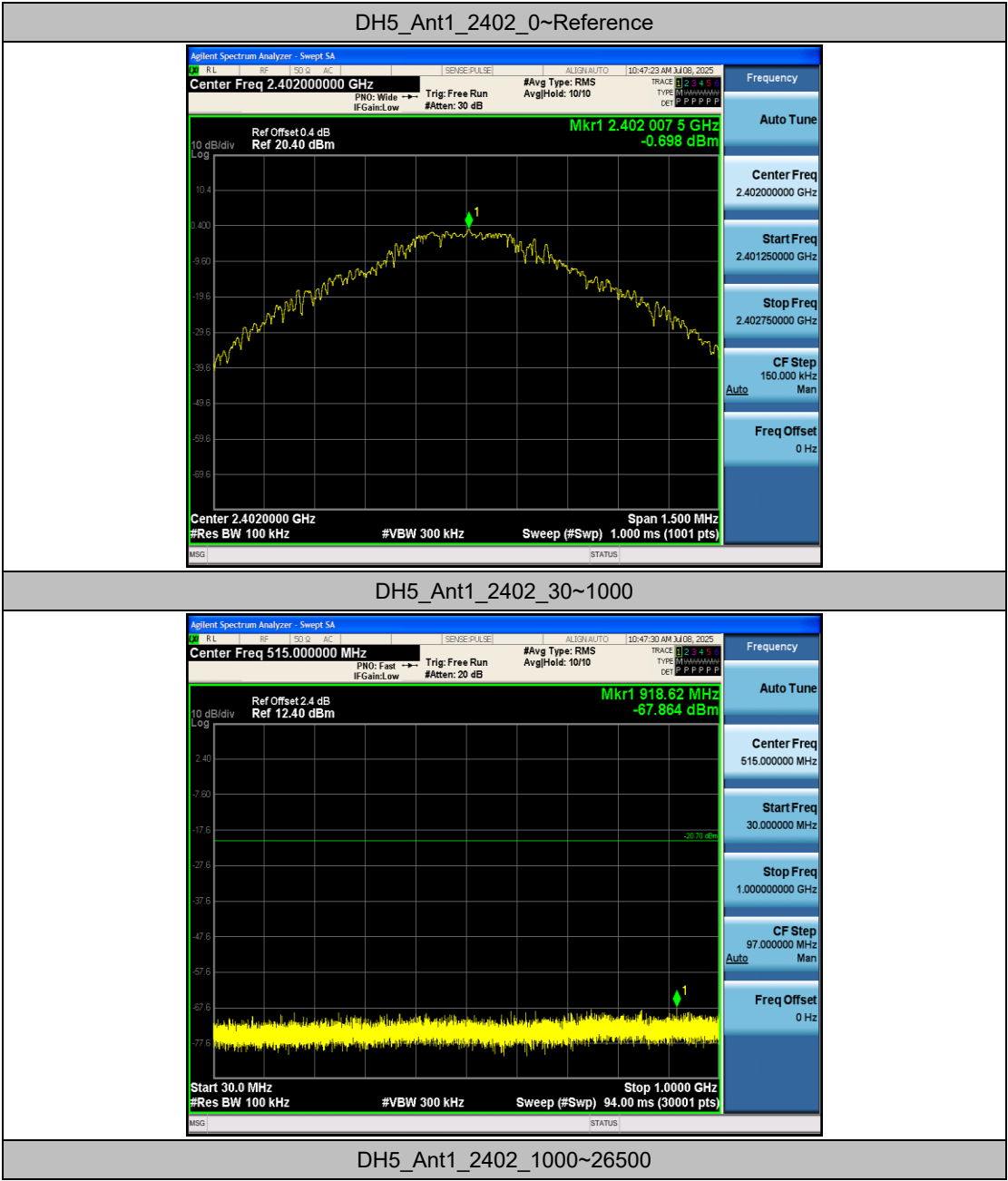


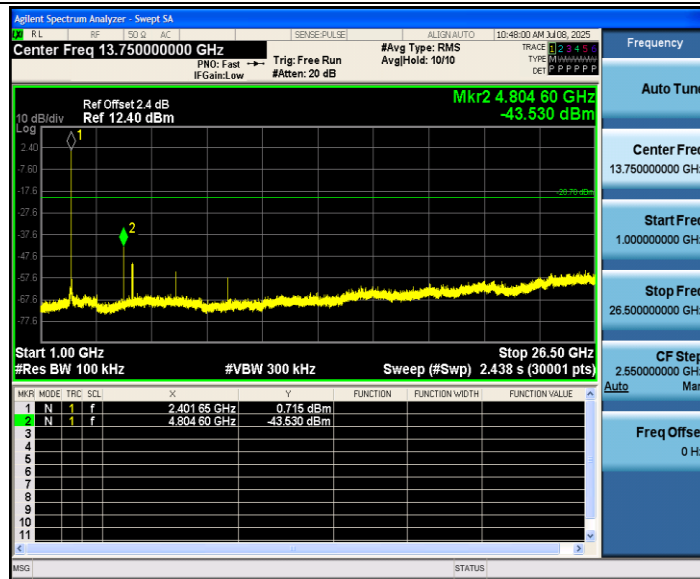
Appendix H: Conducted Spurious Emission

Test Result

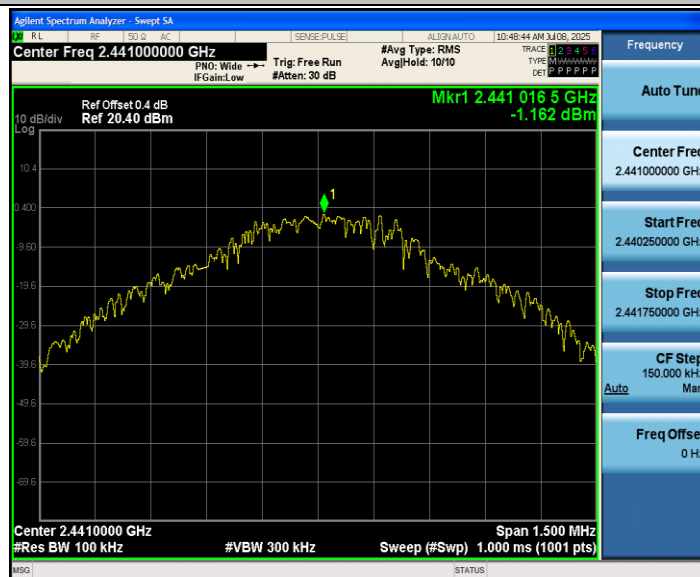
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-67.86	≤-20.7	PASS
			1000~26500	-0.70	-43.53	≤-20.7	PASS
		2441	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-67.8	≤-21.16	PASS
			1000~26500	-1.16	-44.62	≤-21.16	PASS
		2480	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-68.03	≤-21.53	PASS
			1000~26500	-1.53	-45.1	≤-21.53	PASS
2DH5	Ant1	2402	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-68.14	≤-25.17	PASS
			1000~26500	-5.17	-45.14	≤-25.17	PASS
		2441	Reference	-6.17	-6.17	---	PASS
			30~1000	-6.17	-67.85	≤-26.17	PASS
			1000~26500	-6.17	-45.3	≤-26.17	PASS
		2480	Reference	-7.28	-7.28	---	PASS
			30~1000	-7.28	-67.68	≤-27.28	PASS
			1000~26500	-7.28	-48.87	≤-27.28	PASS
3DH5	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-67.52	≤-24.84	PASS
			1000~26500	-4.84	-46.28	≤-24.84	PASS
		2441	Reference	-5.39	-5.39	---	PASS
			30~1000	-5.39	-68.44	≤-25.39	PASS
			1000~26500	-5.39	-48.76	≤-25.39	PASS
		2480	Reference	-7.25	-7.25	---	PASS
			30~1000	-7.25	-67.27	≤-27.25	PASS
			1000~26500	-7.25	-45.05	≤-27.25	PASS

Test Graphs

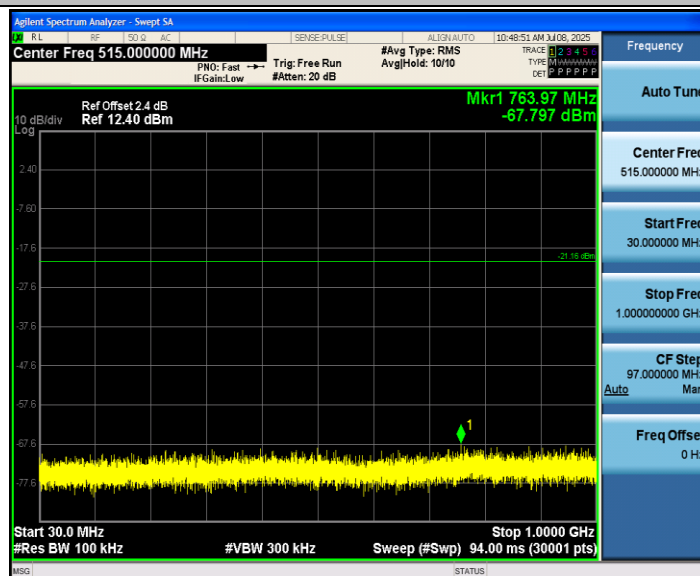




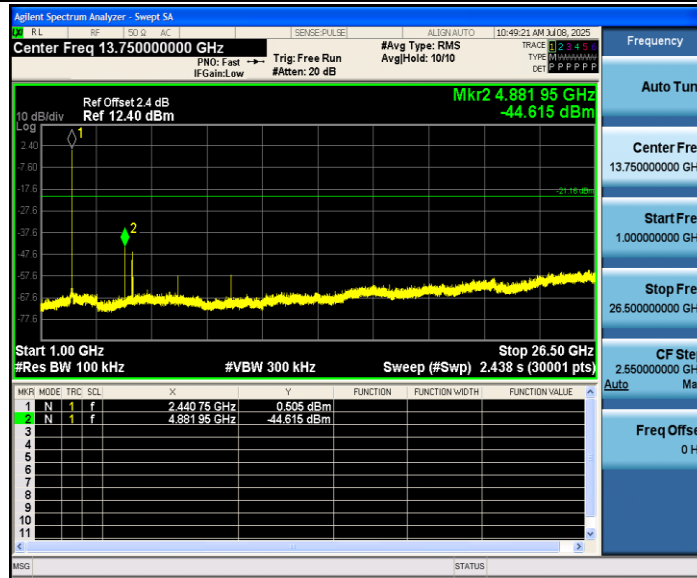
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



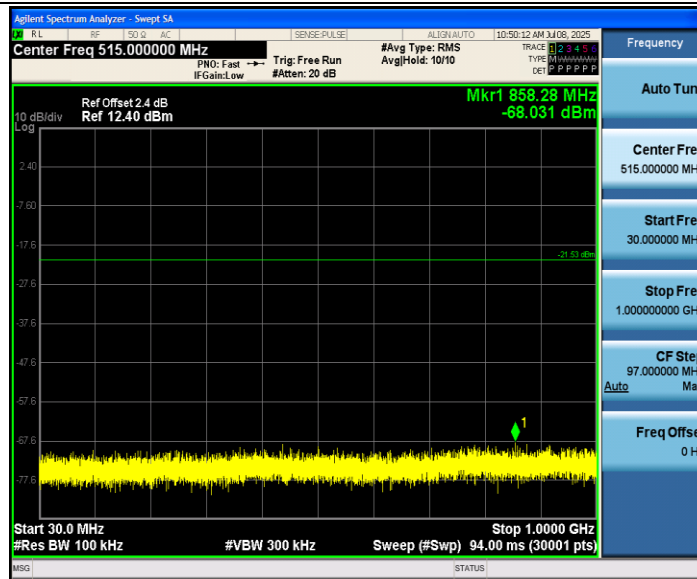
DH5_Ant1_2441_1000~26500



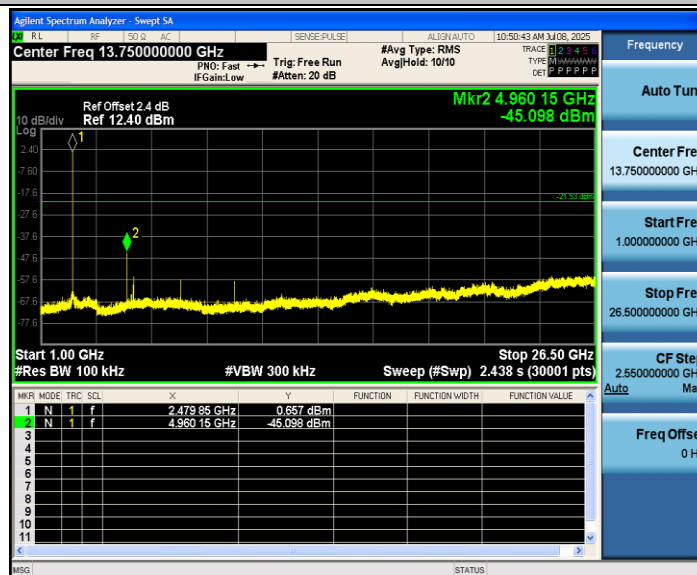
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



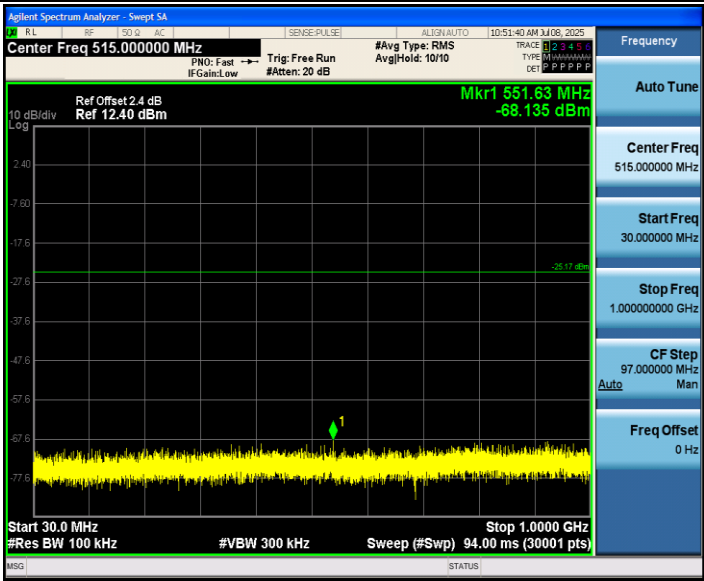
DH5_Ant1_2480_1000~26500



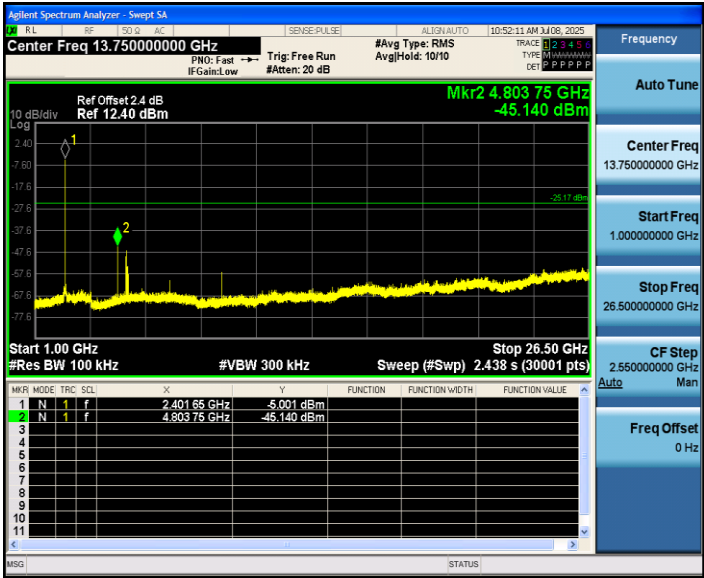
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference