

FCC Appendix RF Test Data for BT

FCC ID : 2ASJK-X3

**Company : Guangzhou Pearl River Amason Digital Musical
Instrument Co., Ltd.**

EUT : Electronic Drum

Model Number : X3

Report No. : CTA26092001301

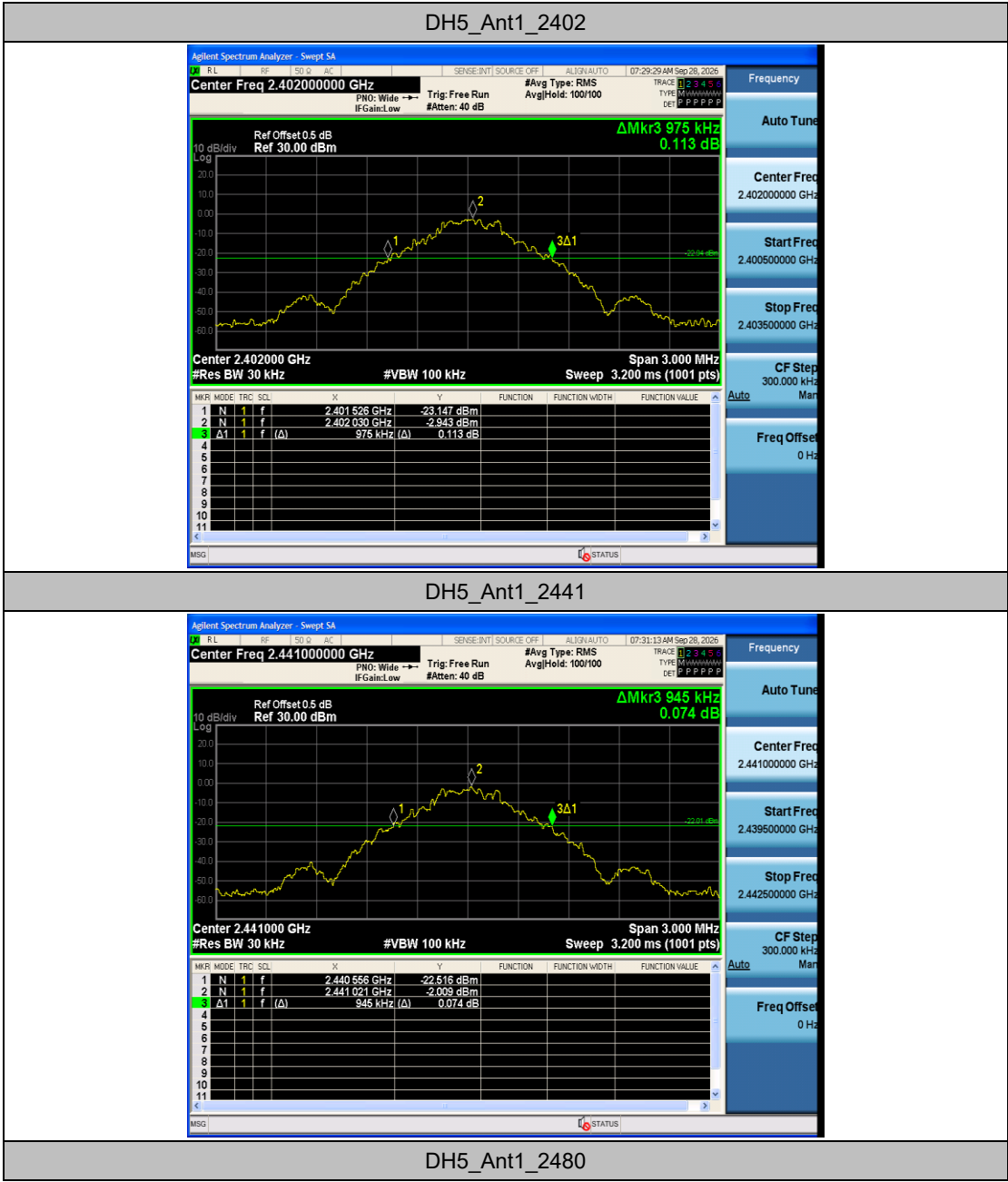
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.975	2401.526	2402.501	---	---
		2441	0.945	2440.556	2441.501	---	---
		2480	0.957	2479.544	2480.501	---	---
2DH5	Ant1	2402	1.326	2401.343	2402.669	---	---
		2441	1.341	2440.340	2441.681	---	---
		2480	1.326	2479.343	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

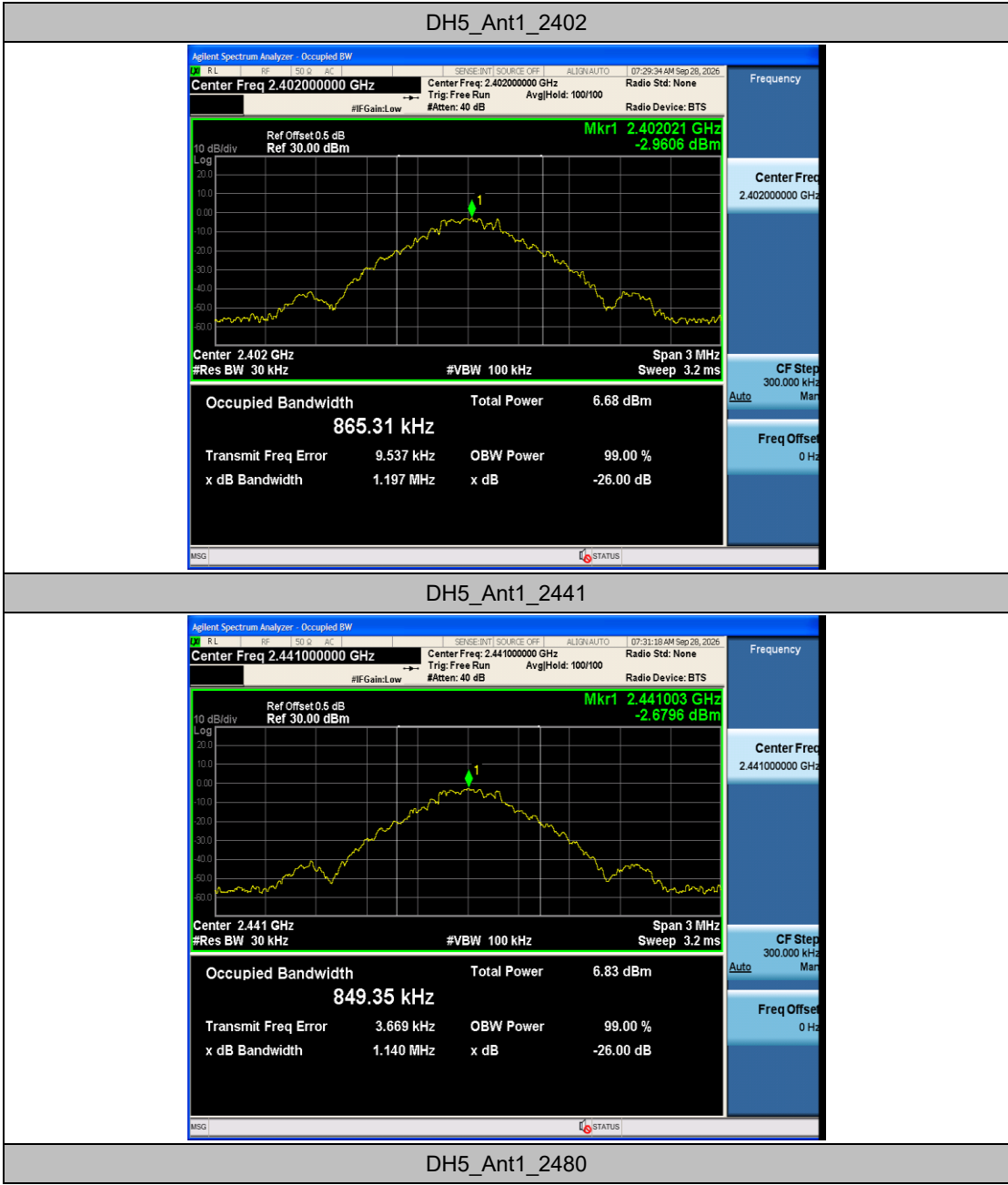


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86531	2401.5769	2402.4422	---	---
		2441	0.84935	2440.5790	2441.4283	---	---
		2480	0.86845	2479.5744	2480.4429	---	---
2DH5	Ant1	2402	1.1880	2401.4150	2402.6030	---	---
		2441	1.1941	2440.4115	2441.6056	---	---
		2480	1.1818	2479.4185	2480.6003	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

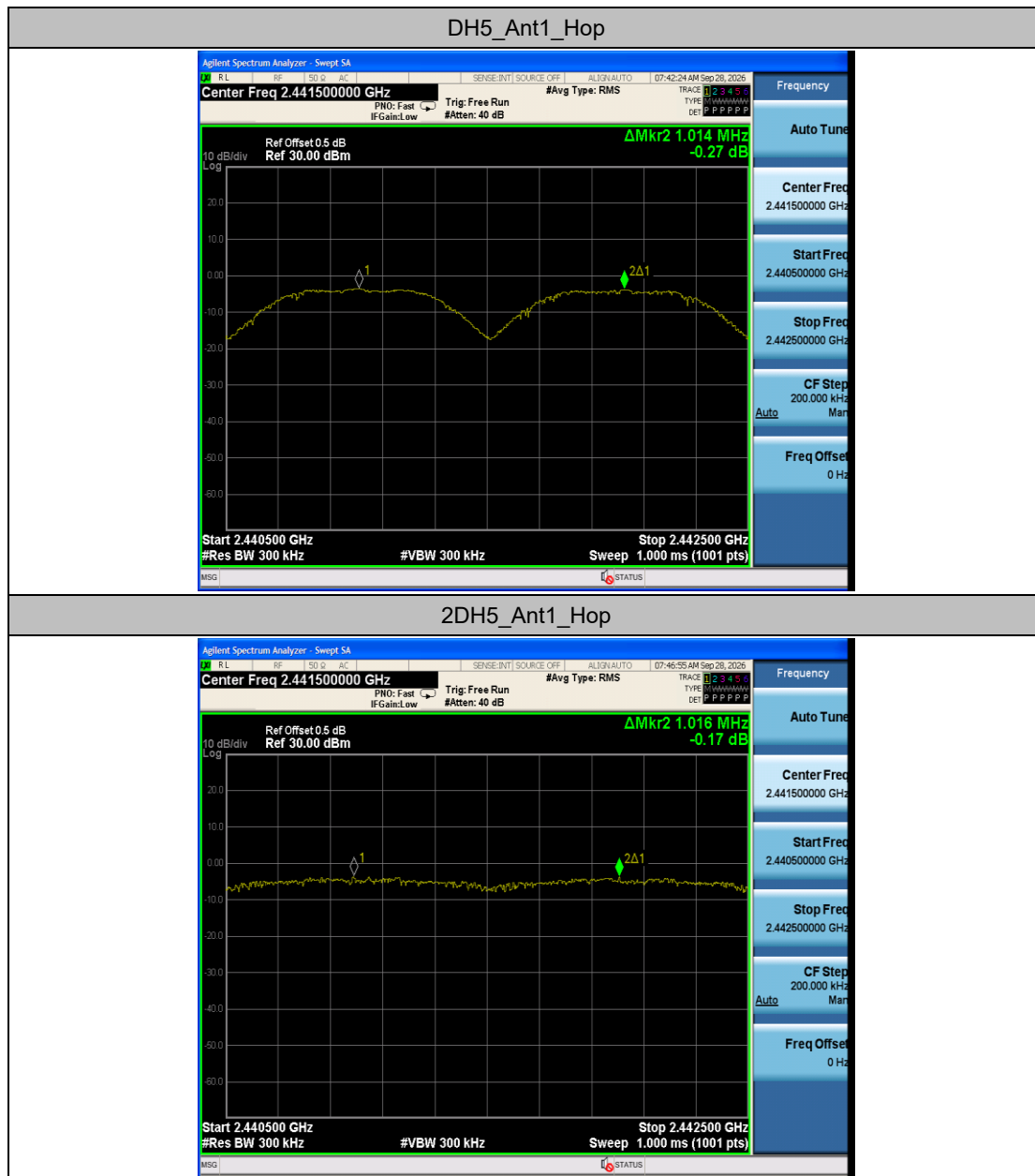
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.13	≤20.97	PASS
		2441	0.04	≤20.97	PASS
		2480	-0.19	≤20.97	PASS
2DH5	Ant1	2402	-0.76	≤20.97	PASS
		2441	-0.84	≤20.97	PASS
		2480	-1.01	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.014	≥ 0.975	PASS
2DH5	Ant1	Hop	1.016	≥ 0.894	PASS

Test Graphs

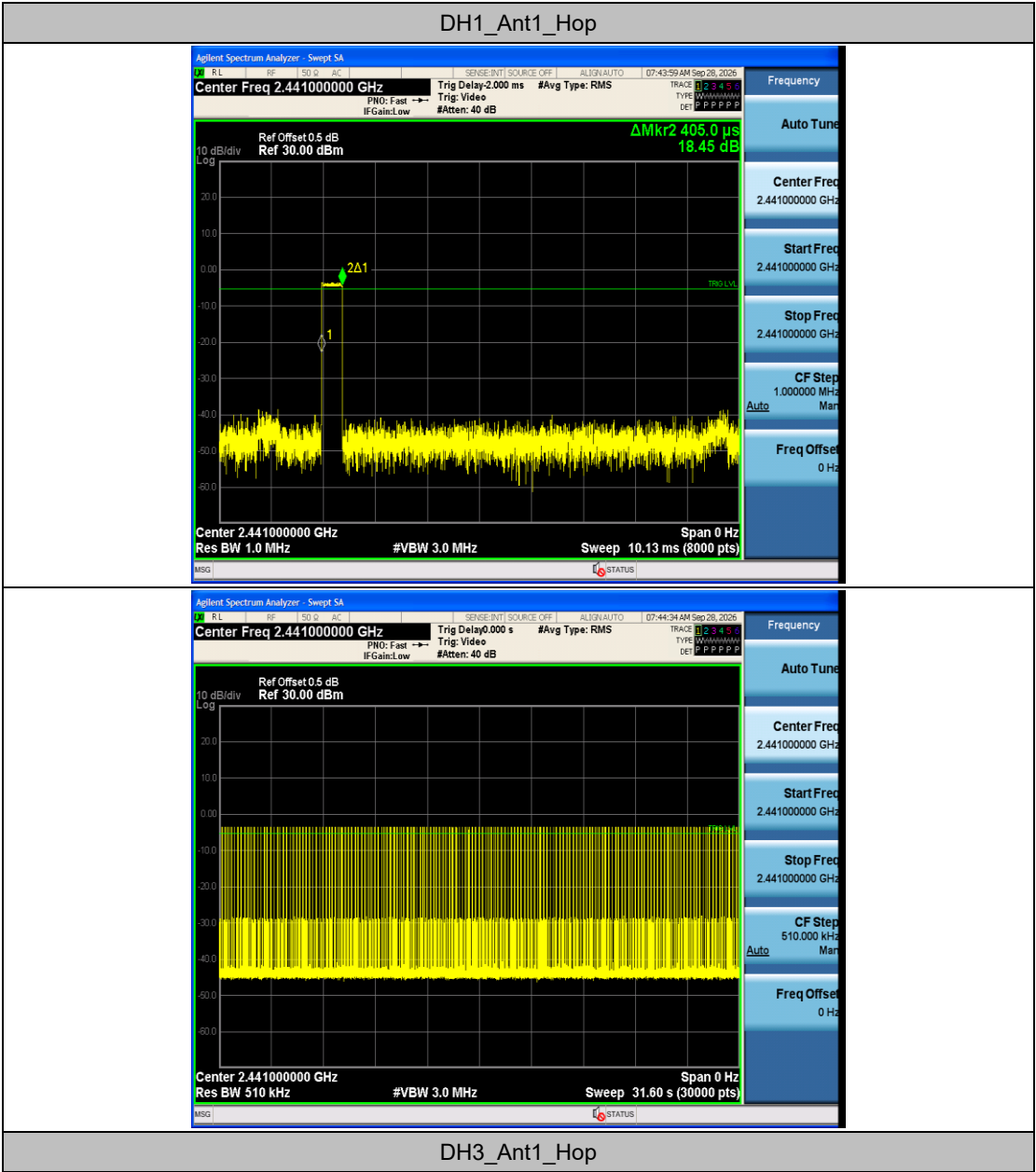


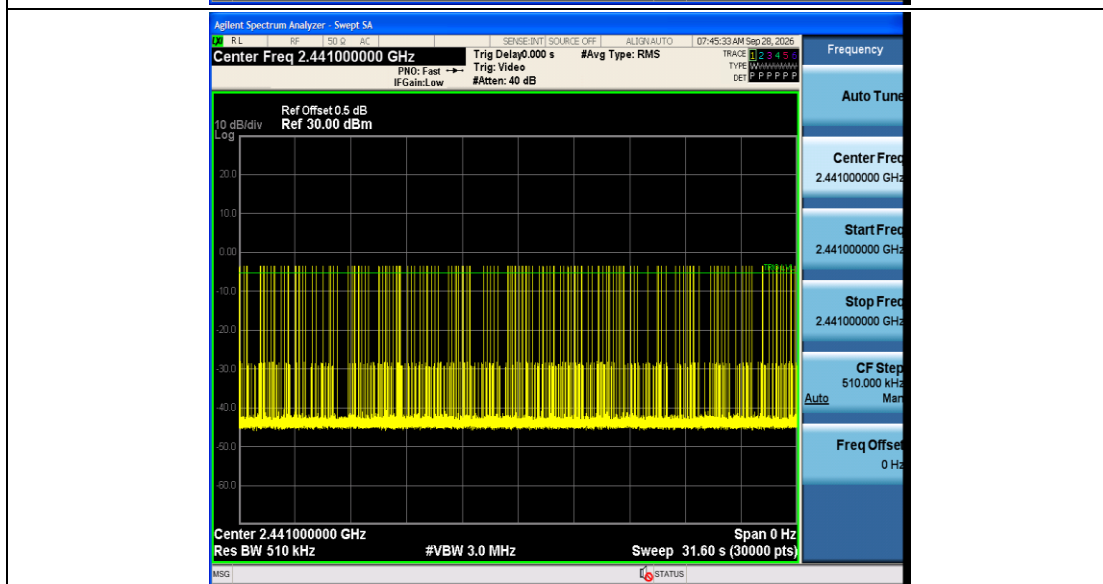
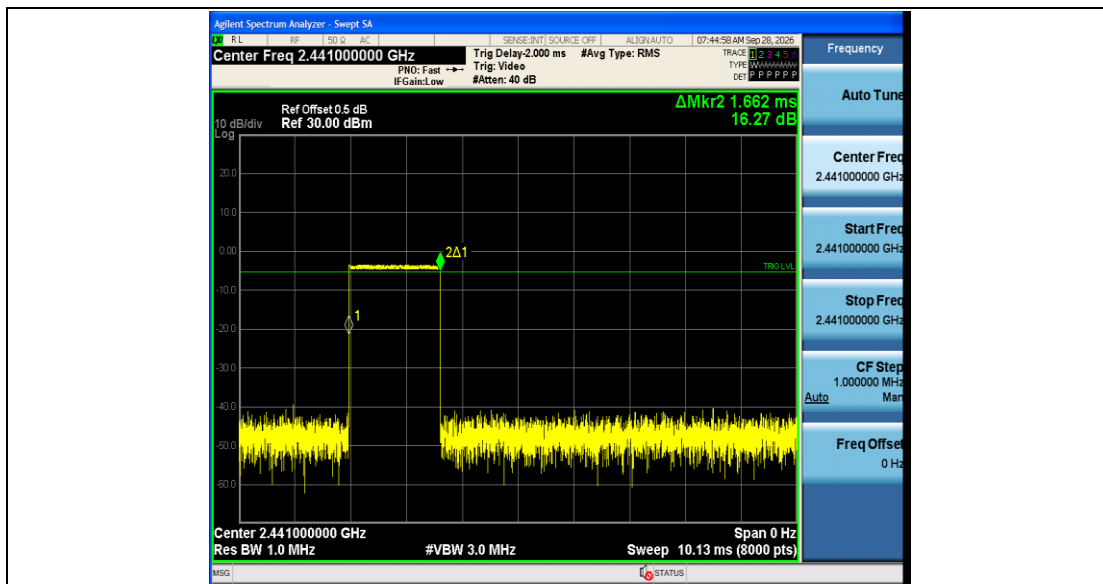
Appendix E: Time of occupancy

Test Result

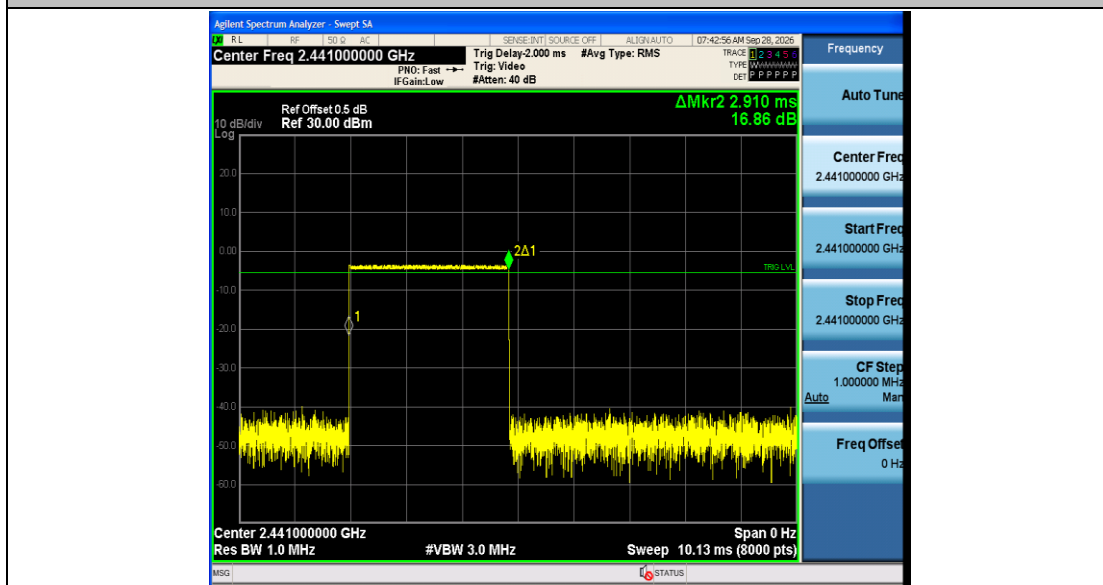
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	319	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	159	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.910	109	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	153	0.255	≤0.4	PASS
2DH5	Ant1	Hop	2.915	107	0.312	≤0.4	PASS

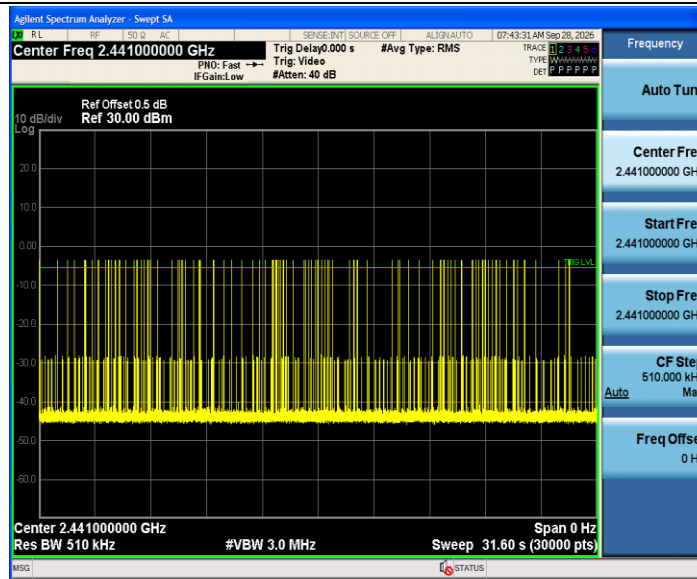
Test Graphs



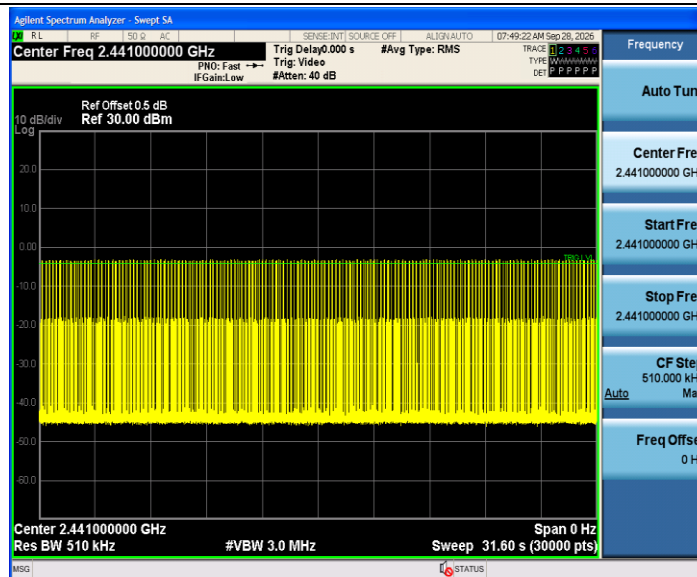
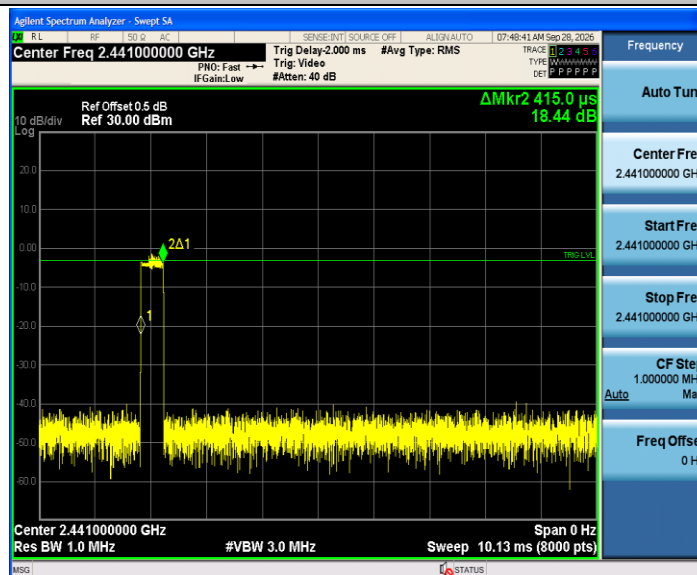


DH5_Ant1_Hop

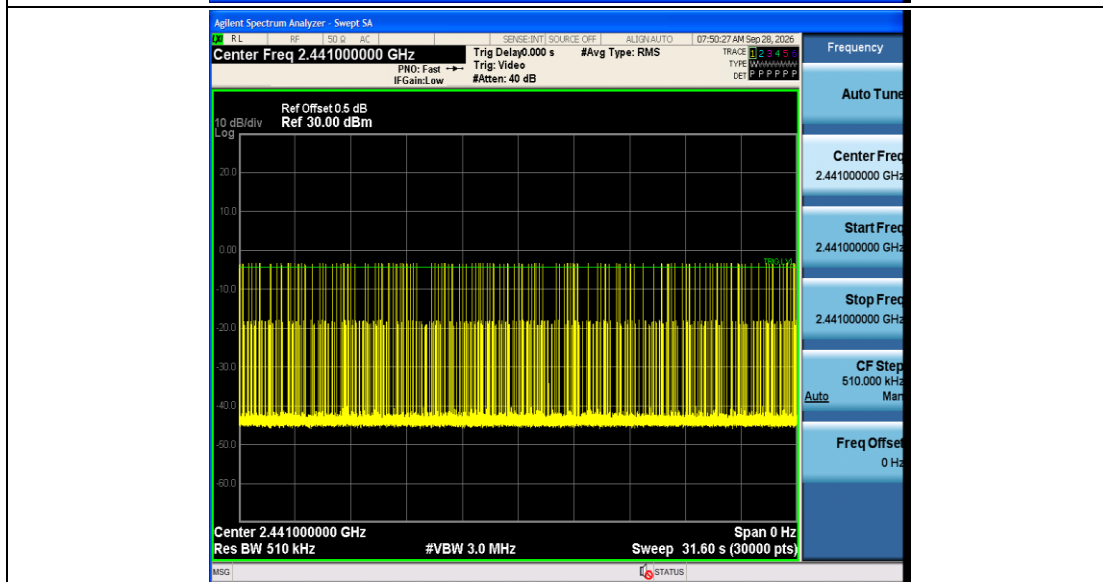
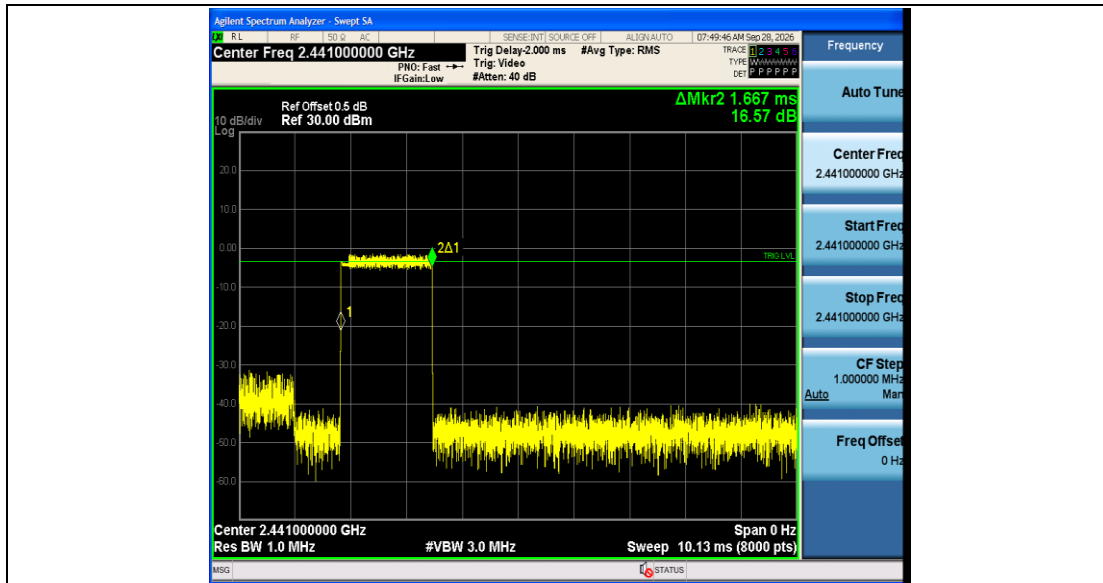




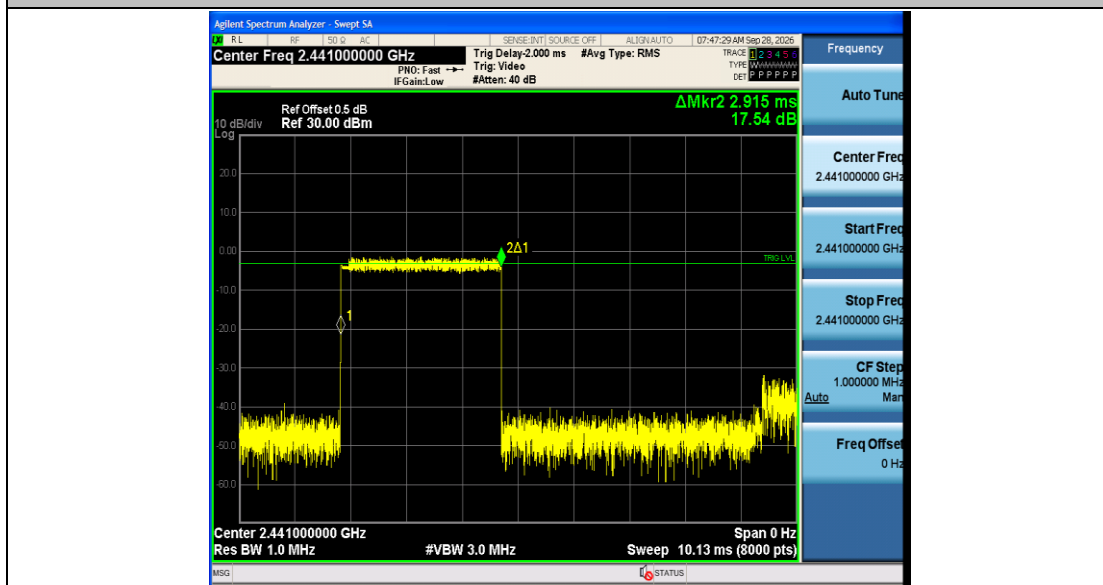
2DH1_Ant1_Hop

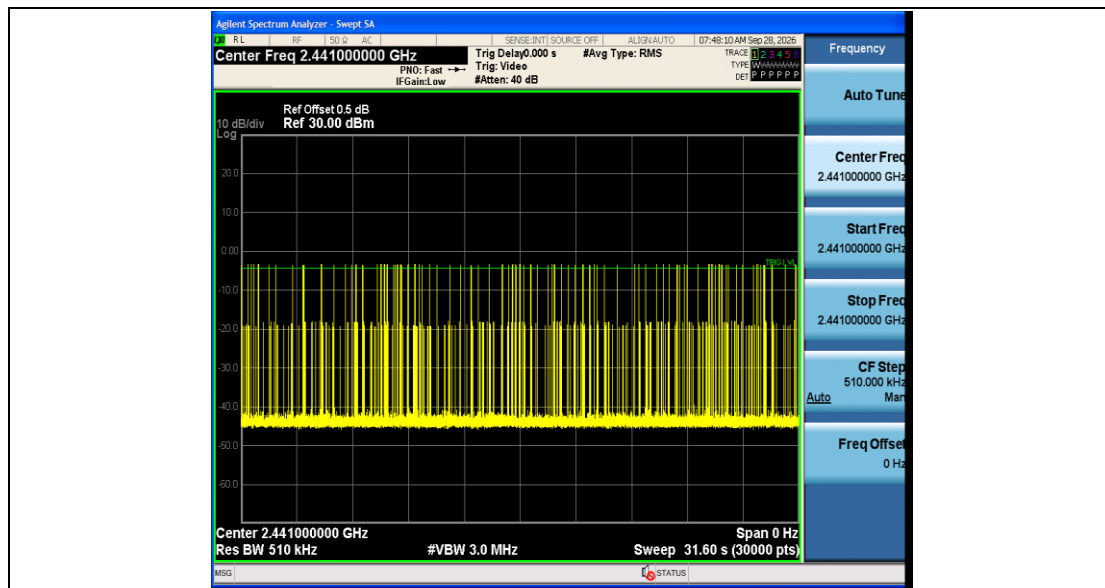


2DH3_Ant1_Hop



2DH5_Ant1_Hop



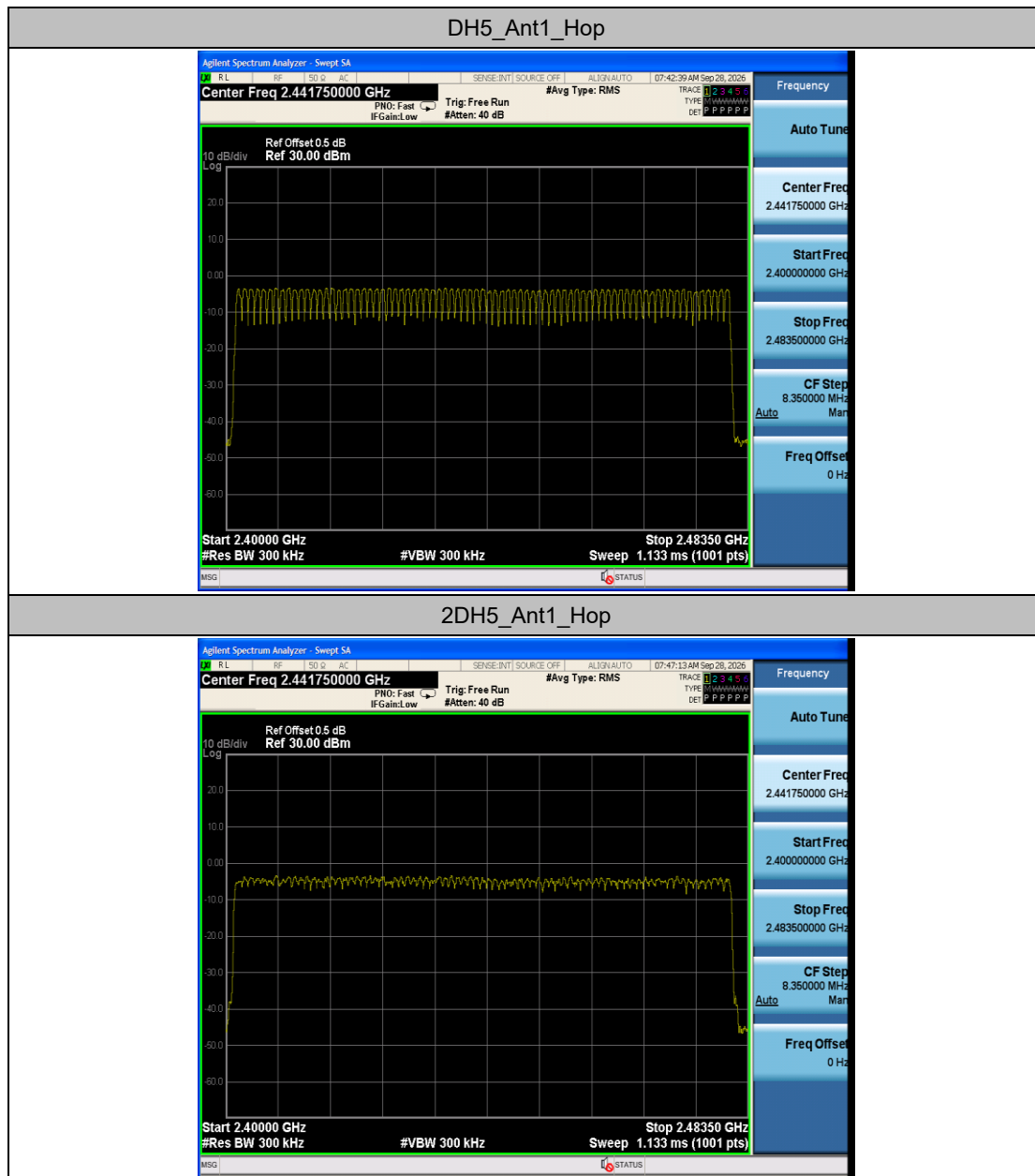


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

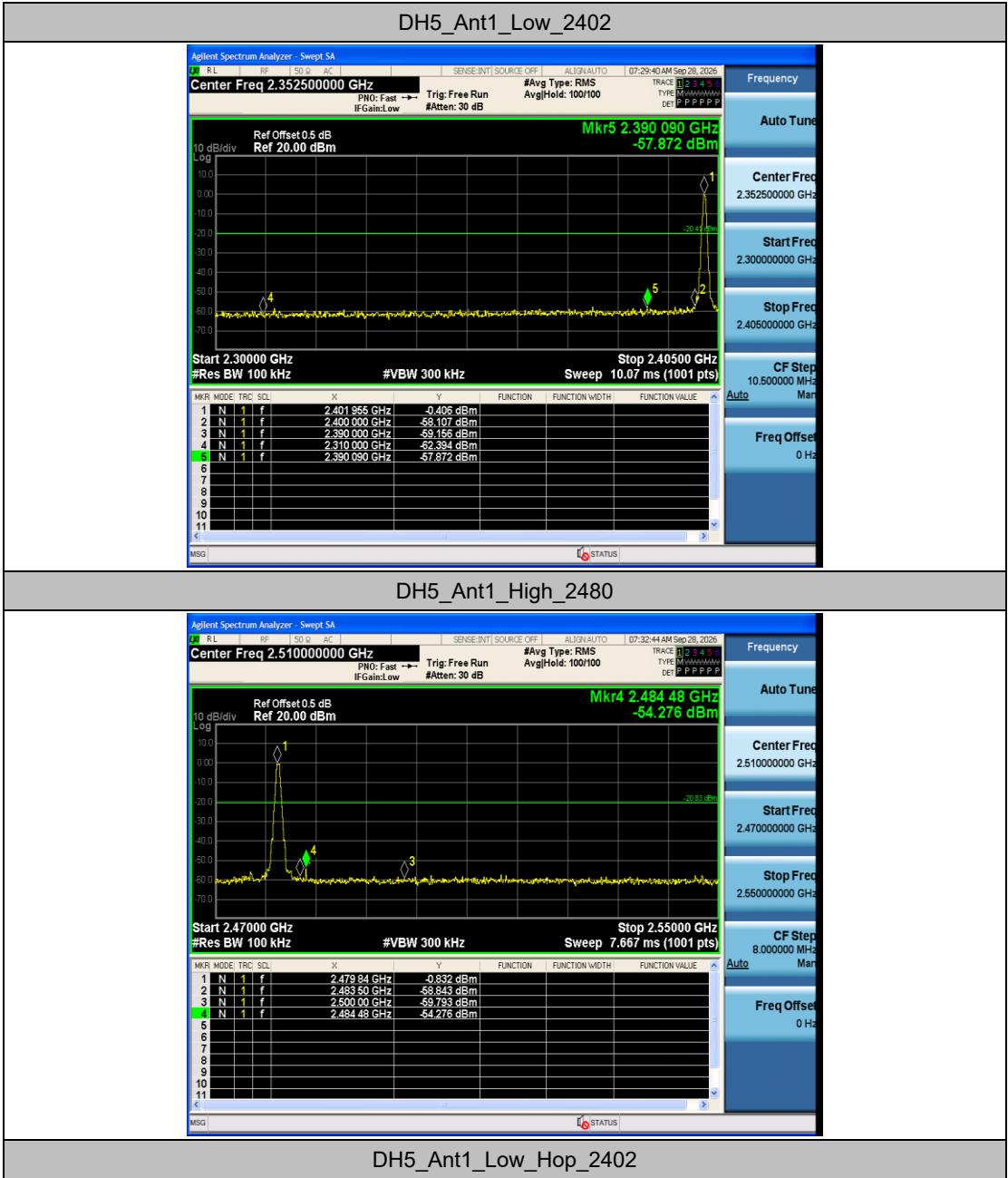


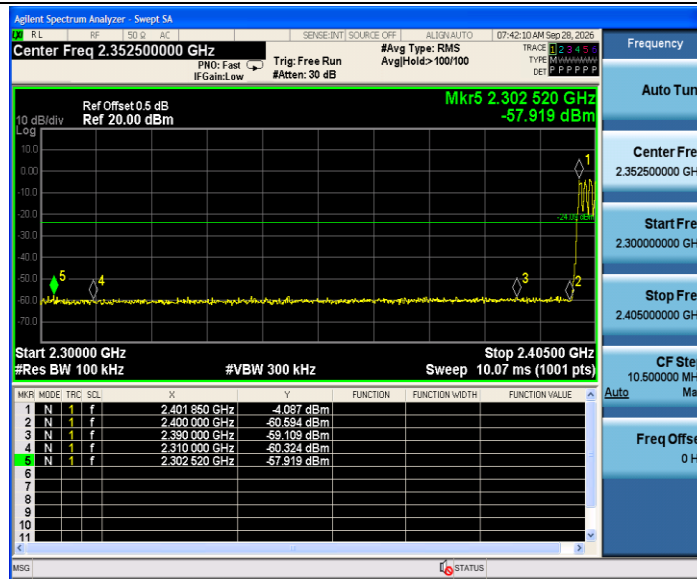
Appendix G: Band edge measurements

Test Result

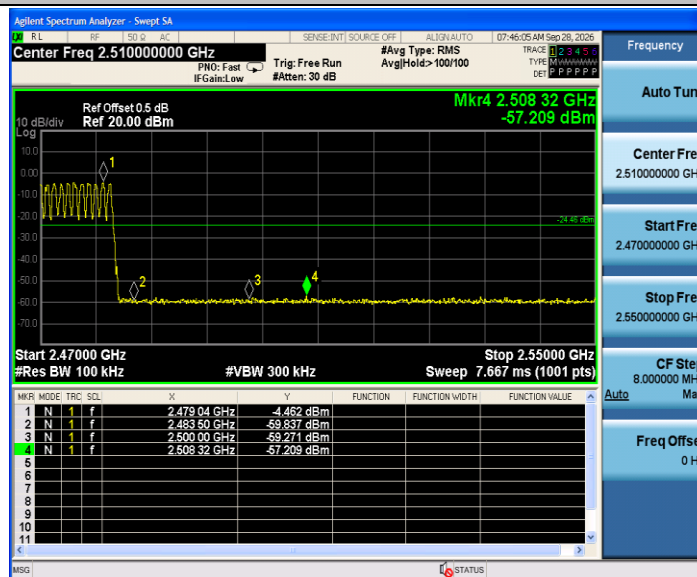
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.41	-57.87	≤-20.41	PASS
		High	2480	-0.83	-54.28	≤-20.83	PASS
		Low	Hop_2402	-4.09	-57.92	≤-24.09	PASS
		High	Hop_2480	-4.46	-57.21	≤-24.46	PASS
2DH5	Ant1	Low	2402	-4.18	-56.61	≤-24.18	PASS
		High	2480	-4.65	-55.13	≤-24.65	PASS
		Low	Hop_2402	-5.89	-57.93	≤-25.89	PASS
		High	Hop_2480	-4.79	-57.32	≤-24.79	PASS

Test Graphs

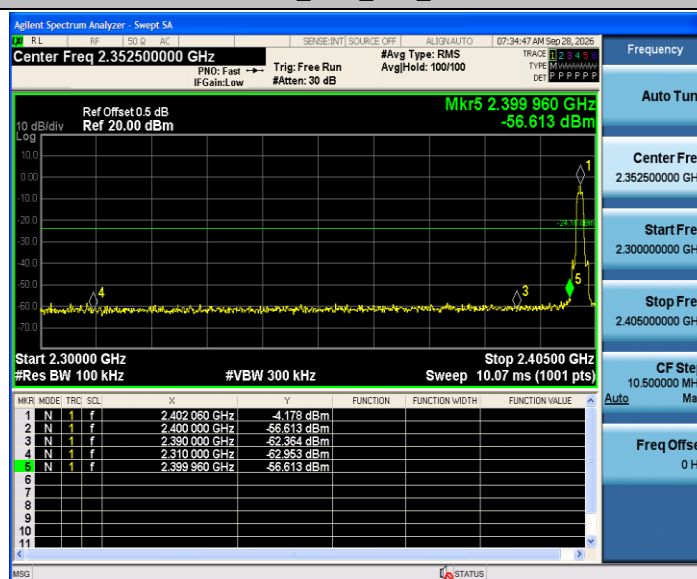




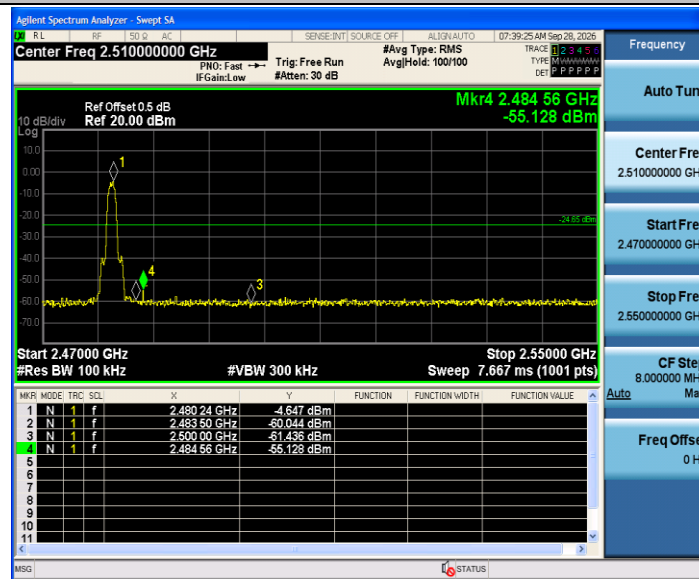
DH5_Ant1_High_Hop_2480



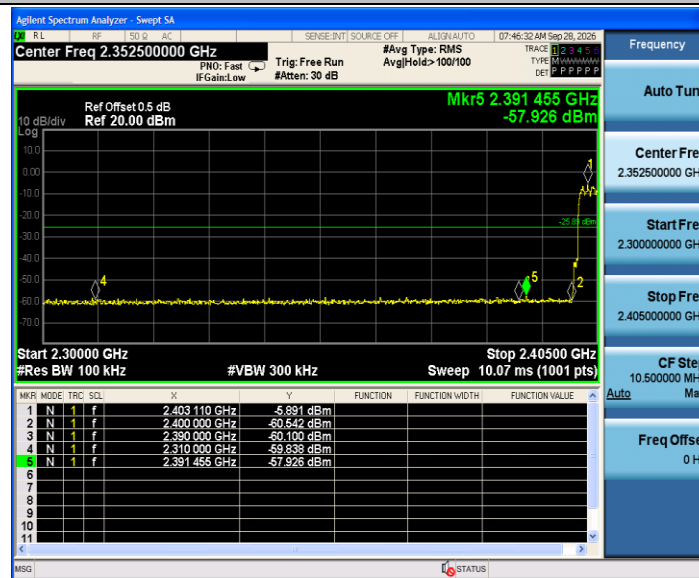
2DH5_Ant1_Low_2402



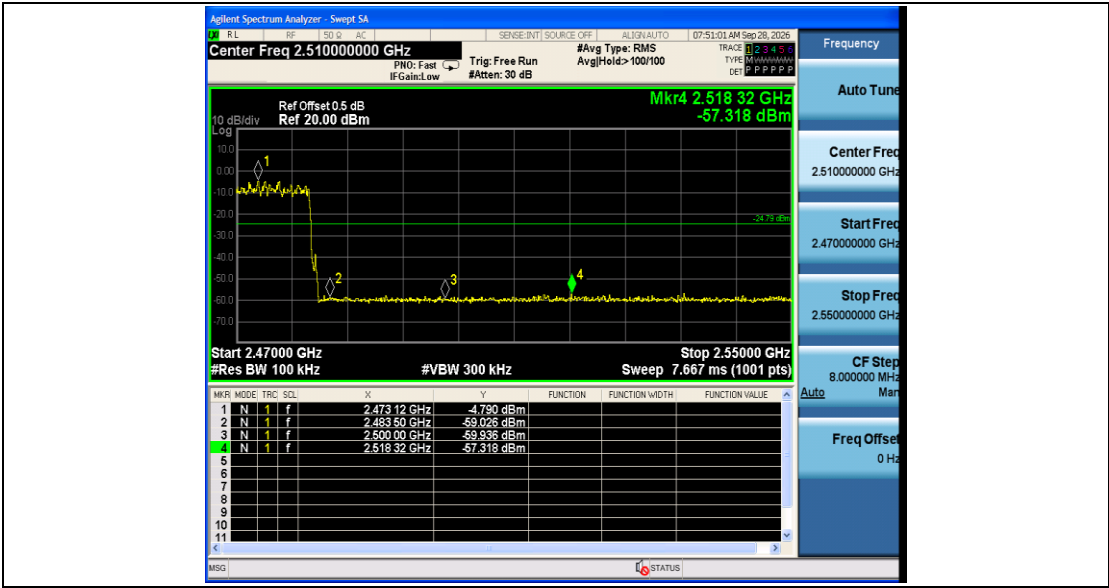
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

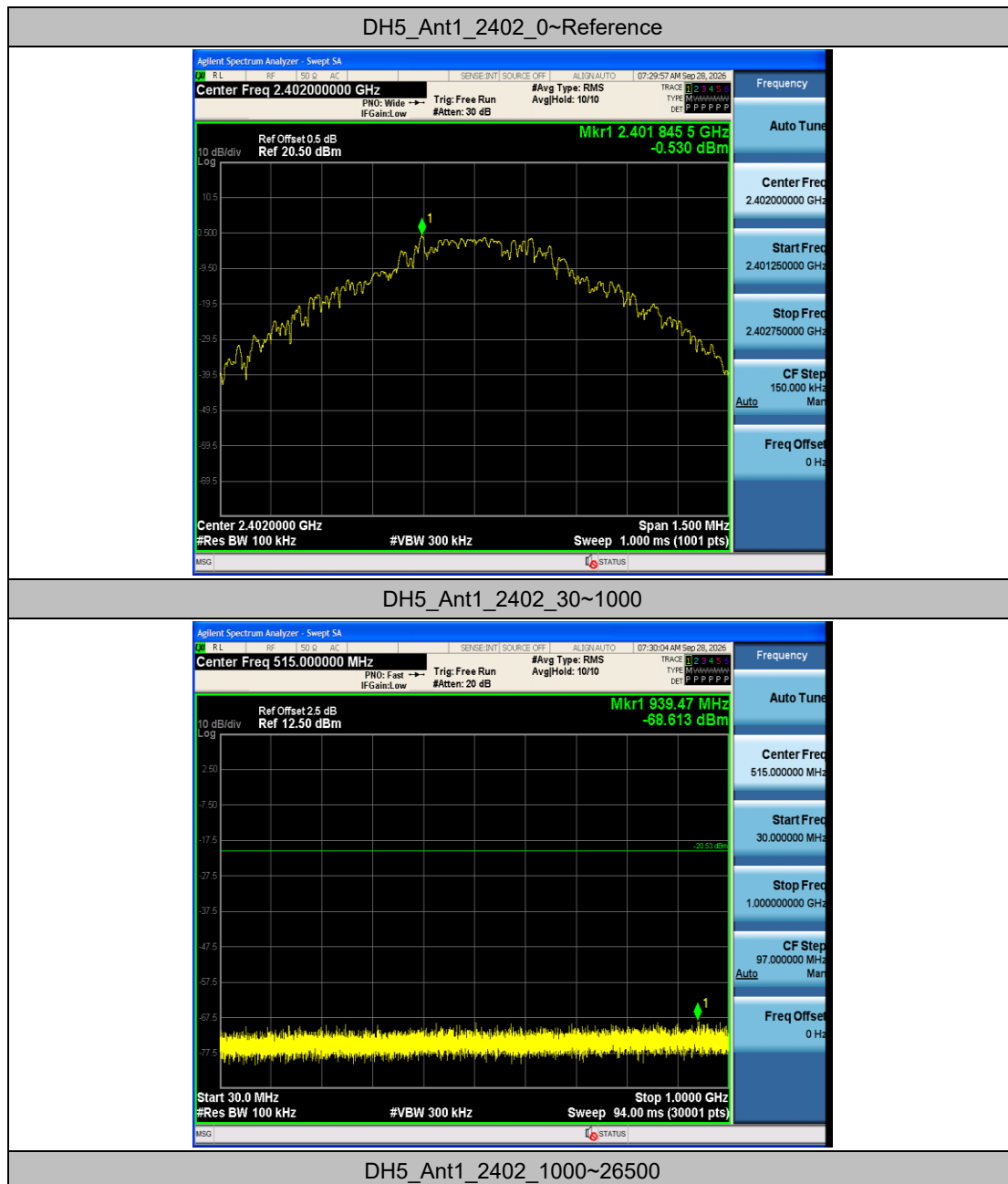


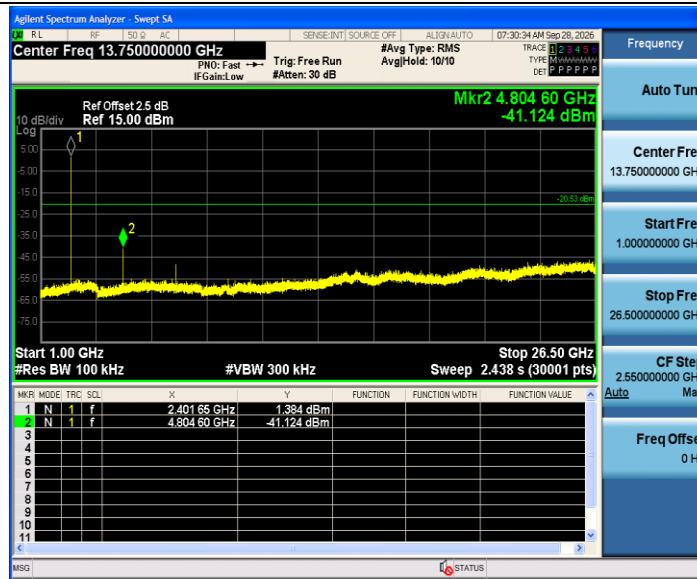
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-68.61	≤-20.53	PASS
			1000~26500	-0.53	-41.12	≤-20.53	PASS
		2441	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-67.72	≤-20.6	PASS
			1000~26500	-0.60	-42.11	≤-20.6	PASS
		2480	Reference	-1.06	-1.06	---	PASS
			30~1000	-1.06	-68.36	≤-21.06	PASS
			1000~26500	-1.06	-41.64	≤-21.06	PASS
2DH5	Ant1	2402	Reference	-5.69	-5.69	---	PASS
			30~1000	-5.69	-68.01	≤-25.69	PASS
			1000~26500	-5.69	-46.61	≤-25.69	PASS
		2441	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-68.28	≤-25.49	PASS
			1000~26500	-5.49	-46.34	≤-25.49	PASS
		2480	Reference	-7.38	-7.38	---	PASS
			30~1000	-7.38	-68.75	≤-27.38	PASS
			1000~26500	-7.38	-46.34	≤-27.38	PASS

Test Graphs

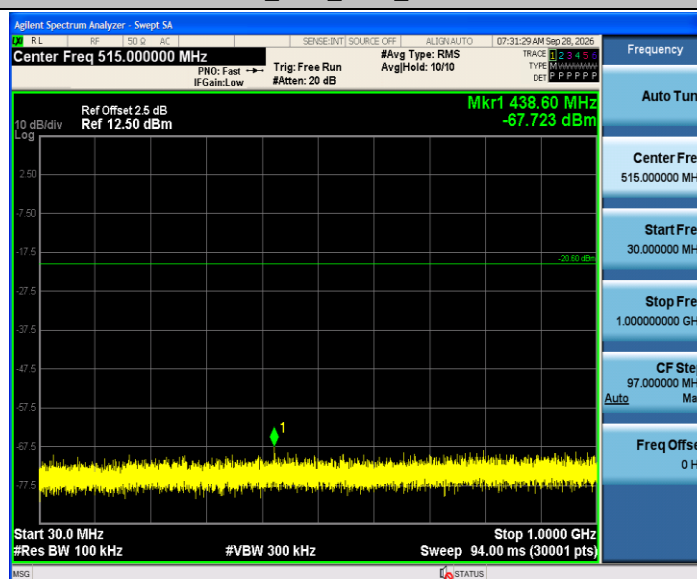




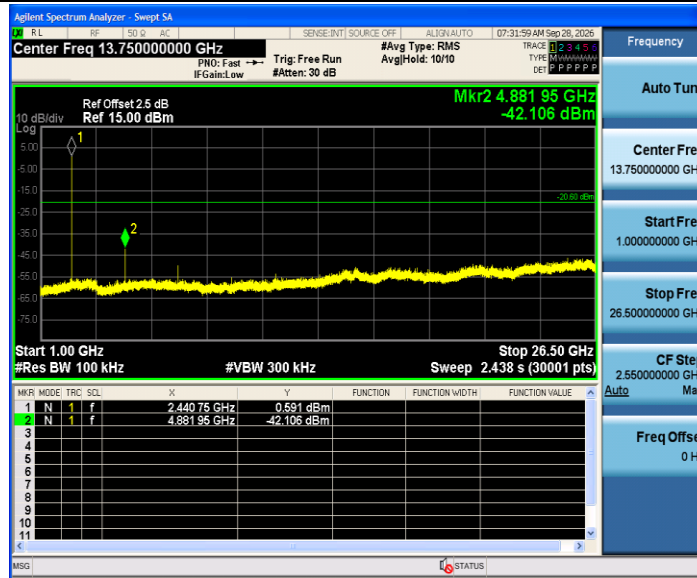
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



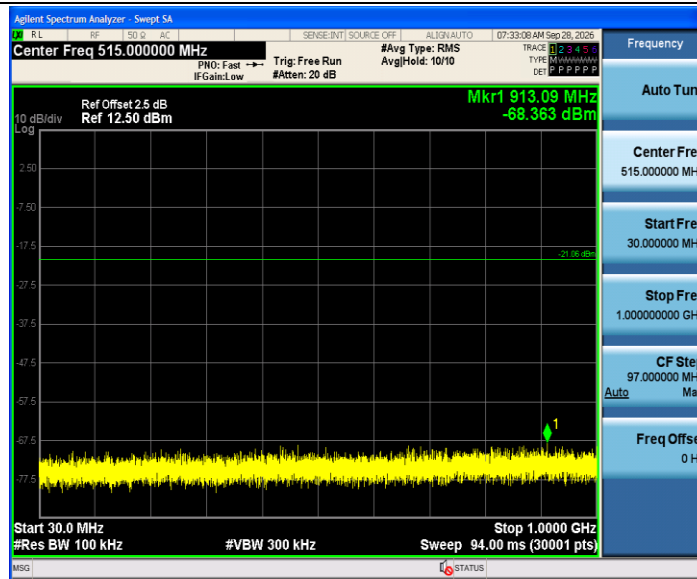
DH5_Ant1_2441_1000~26500



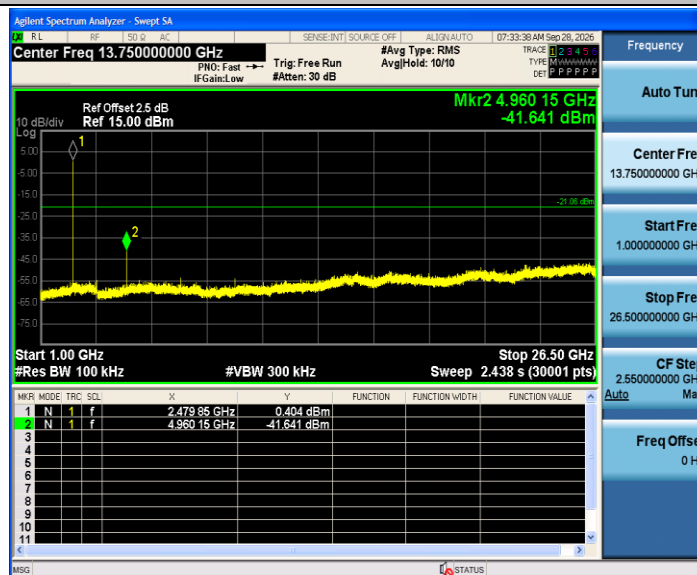
DH5_Ant1_2480_0~Reference



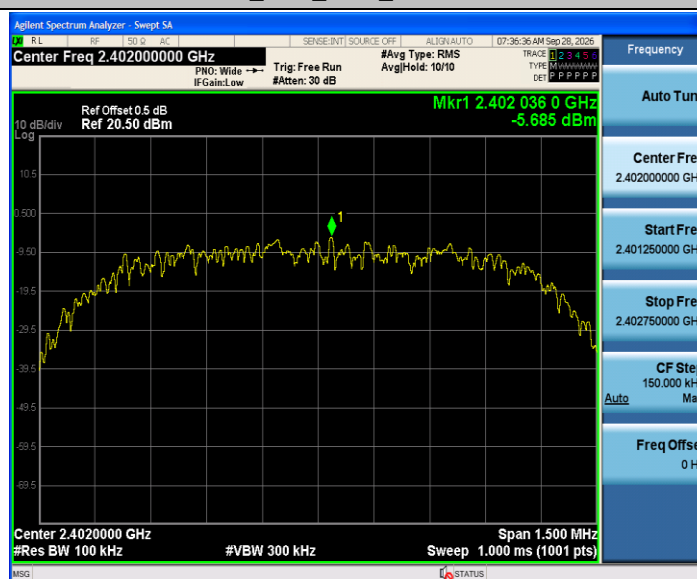
DH5_Ant1_2480_30~1000



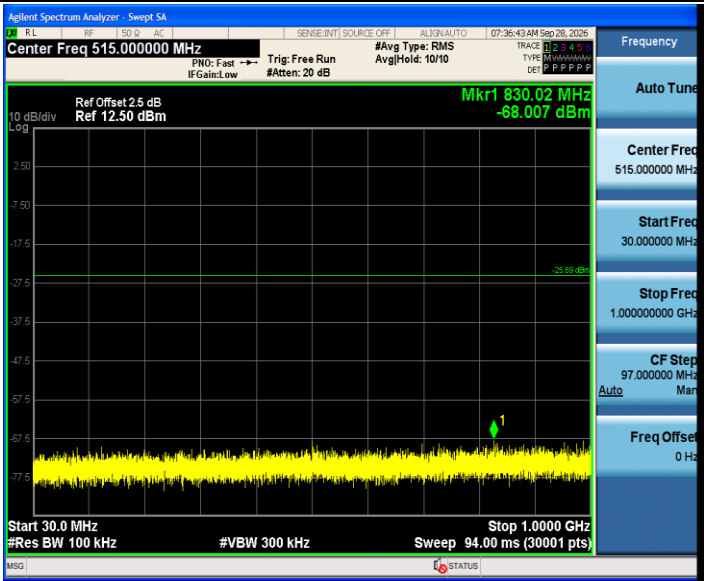
DH5_Ant1_2480_1000~26500



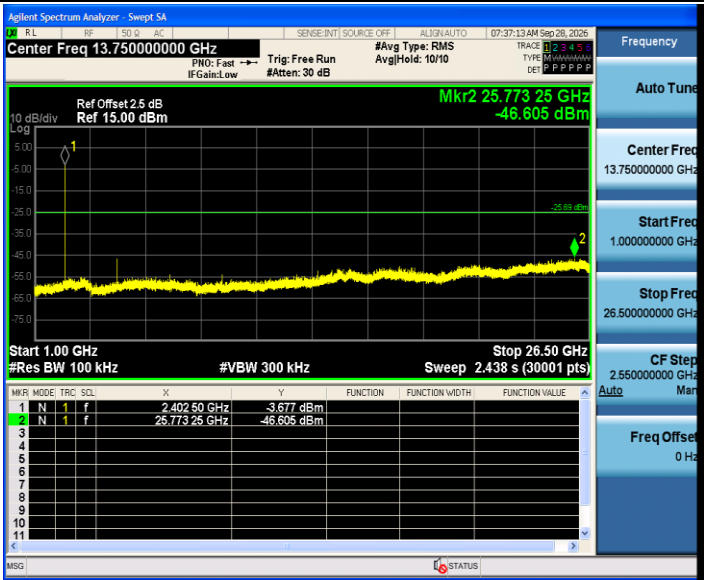
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



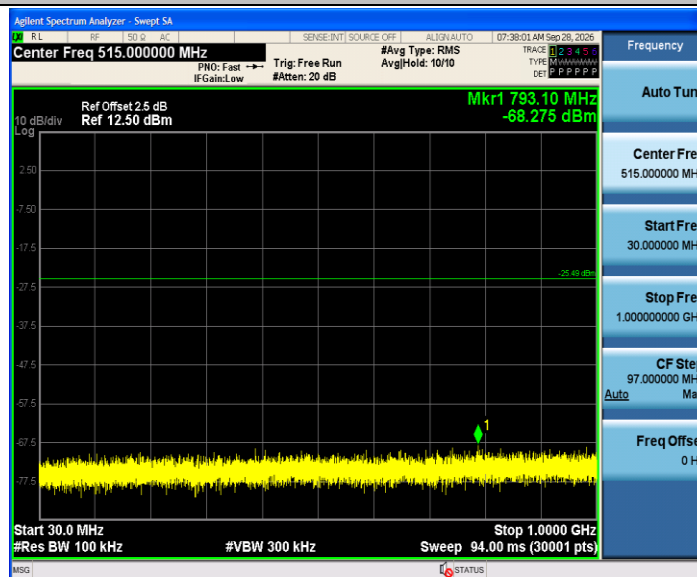
2DH5_Ant1_2402_1000~26500



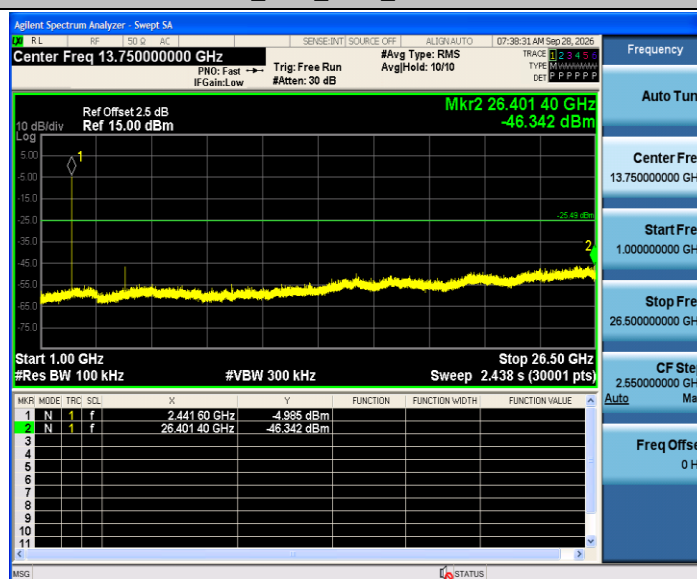
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



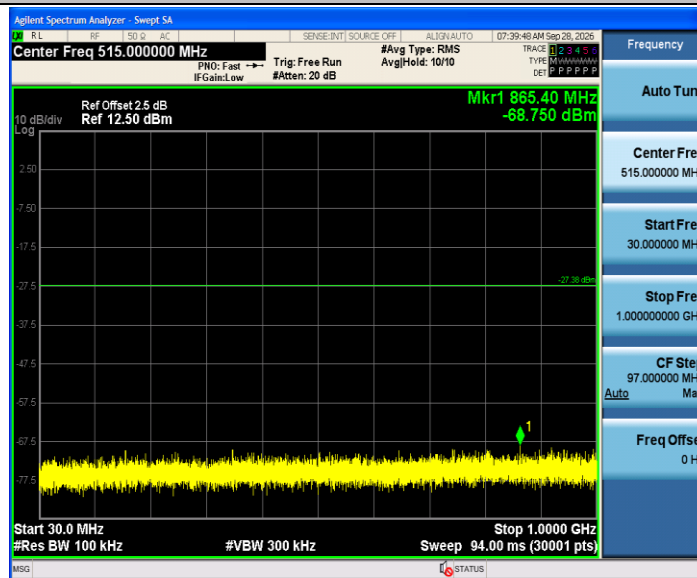
2DH5_Ant1_2441_1000~26500



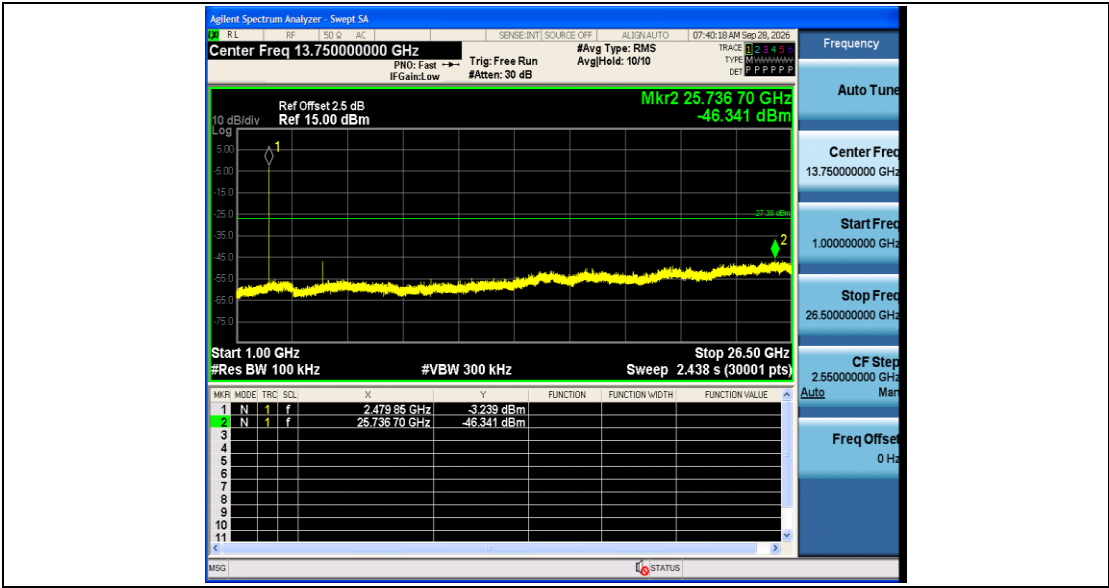
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.92	3.76	77.66	1.10	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---