

FCC Appendix RF Test Data for BT

FCC ID : 2BSCX-V03PRO

Company : ShenZhen Glasse Technology Co.,Ltd.

EUT : Smart glasses

Model Number : V03 Pro

Report No. : CTA26042900601

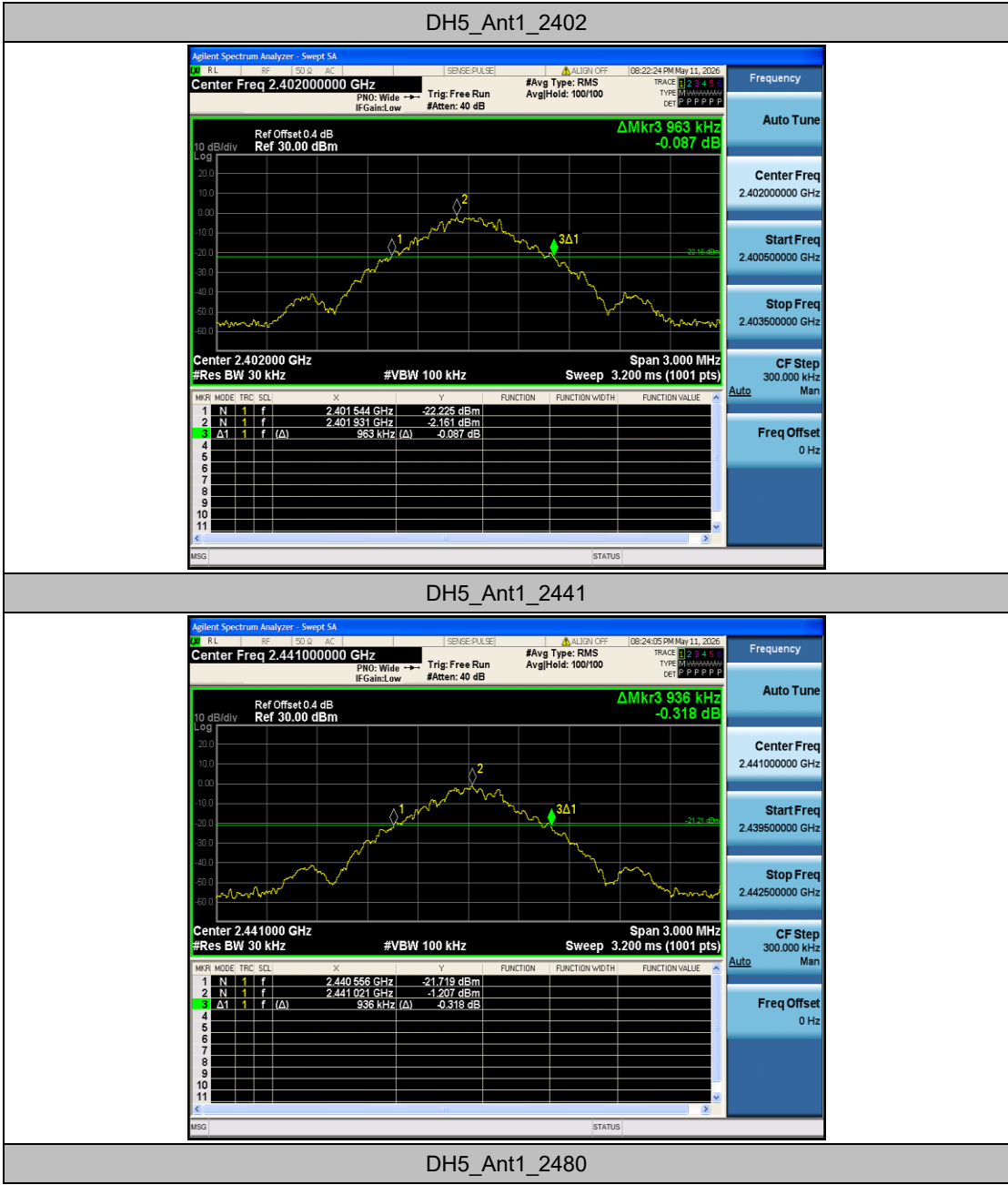
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.544	2402.507	---	---
		2441	0.936	2440.556	2441.492	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
		2441	1.317	2440.352	2441.669	---	---
		2480	1.317	2479.352	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

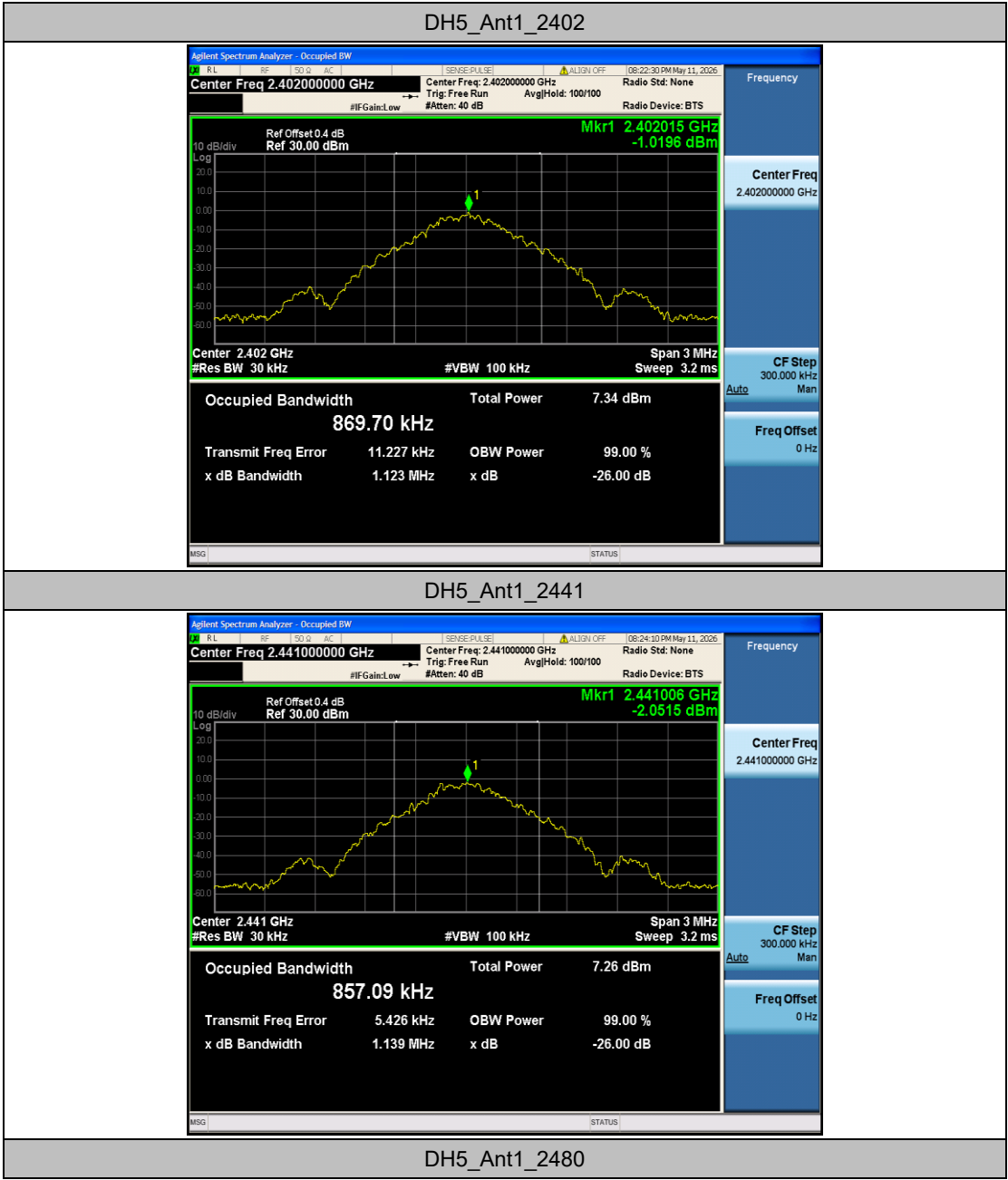


Appendix B: Occupied Channel Bandwidth

Test Result

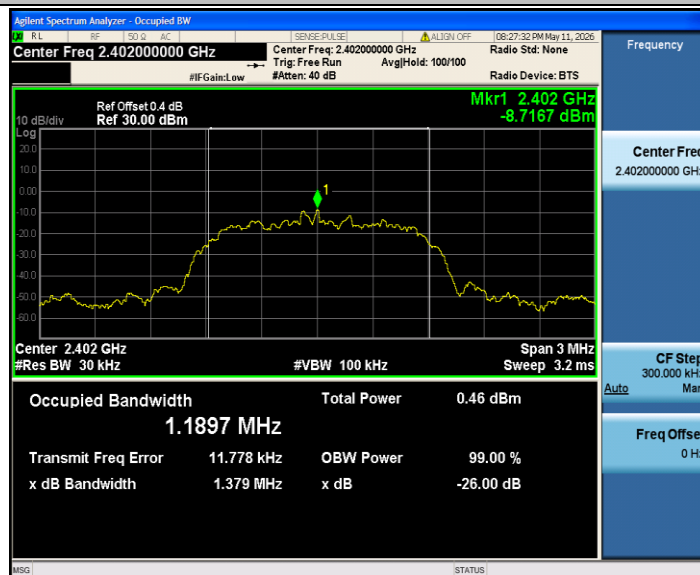
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86970	2401.5764	2402.4461	---	---
		2441	0.85709	2440.5769	2441.4340	---	---
		2480	0.85979	2479.5787	2480.4385	---	---
2DH5	Ant1	2402	1.1897	2401.4169	2402.6066	---	---
		2441	1.1844	2440.4178	2441.6022	---	---
		2480	1.1981	2479.4122	2480.6103	---	---

Test Graphs

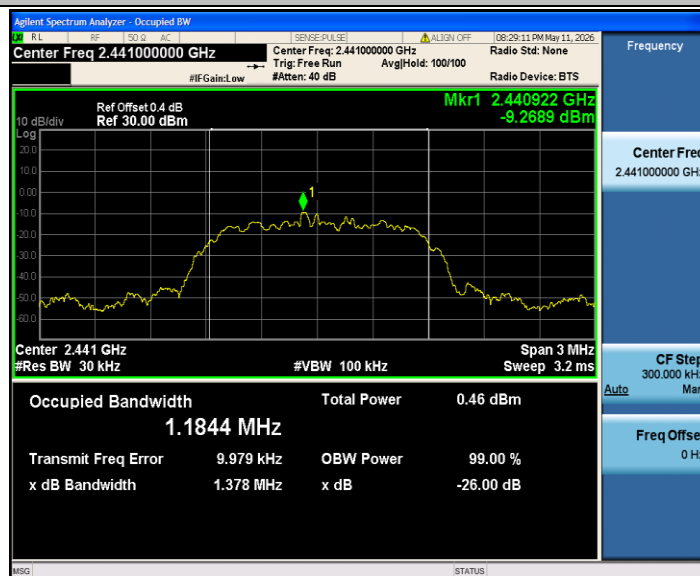




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.82	≤20.97	PASS
		2441	0.70	≤20.97	PASS
		2480	0.75	≤20.97	PASS
2DH5	Ant1	2402	-3.41	≤20.97	PASS
		2441	-3.53	≤20.97	PASS
		2480	-3.41	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.024	≥ 0.963	PASS
2DH5	Ant1	Hop	1.132	≥ 0.878	PASS

Test Graphs

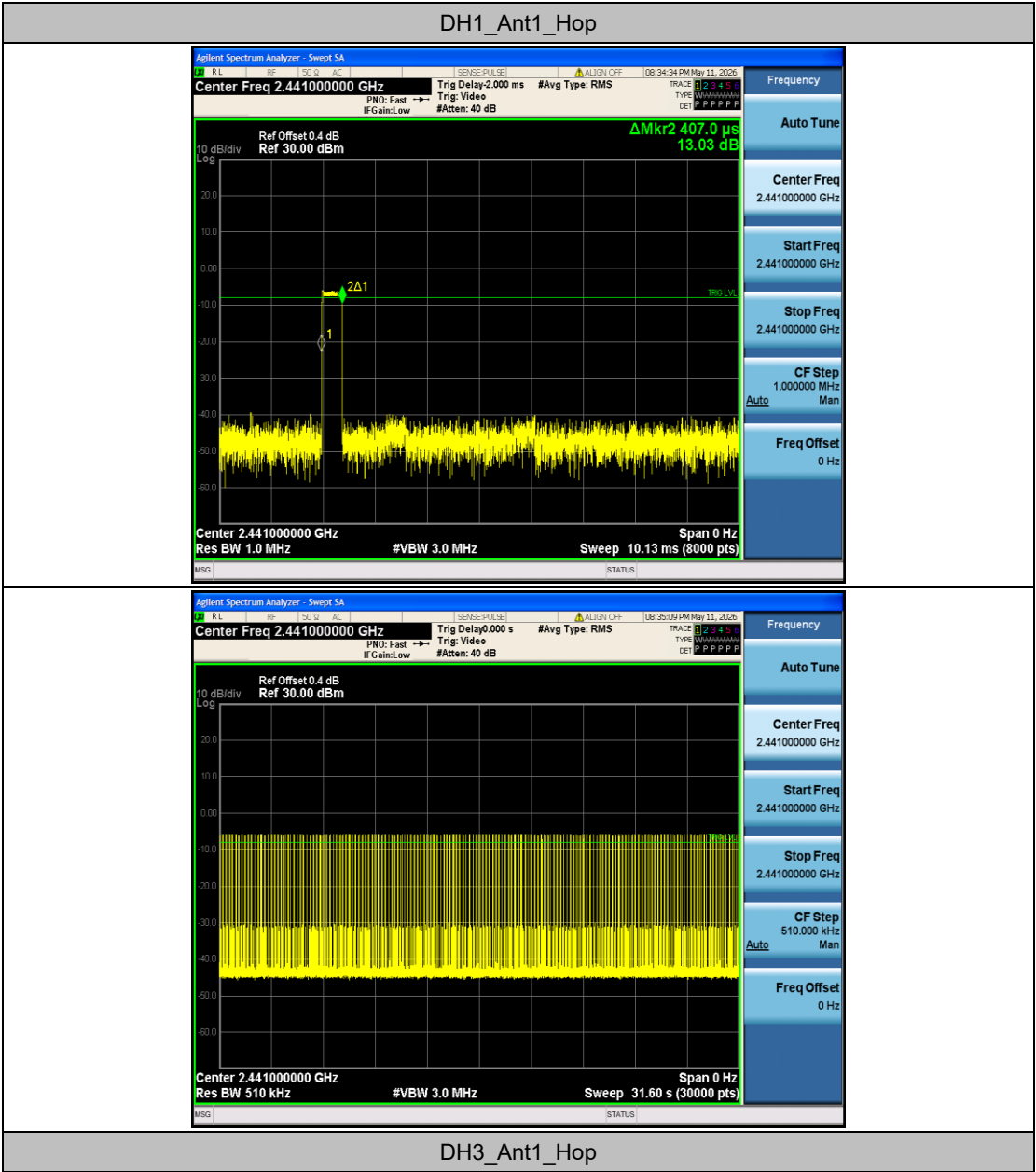


Appendix E: Time of occupancy

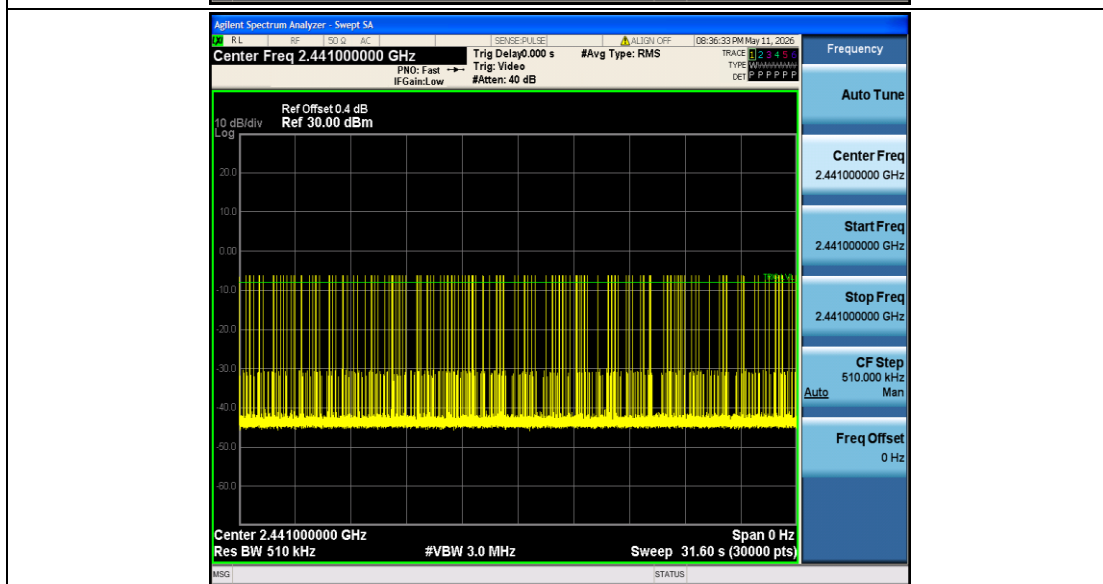
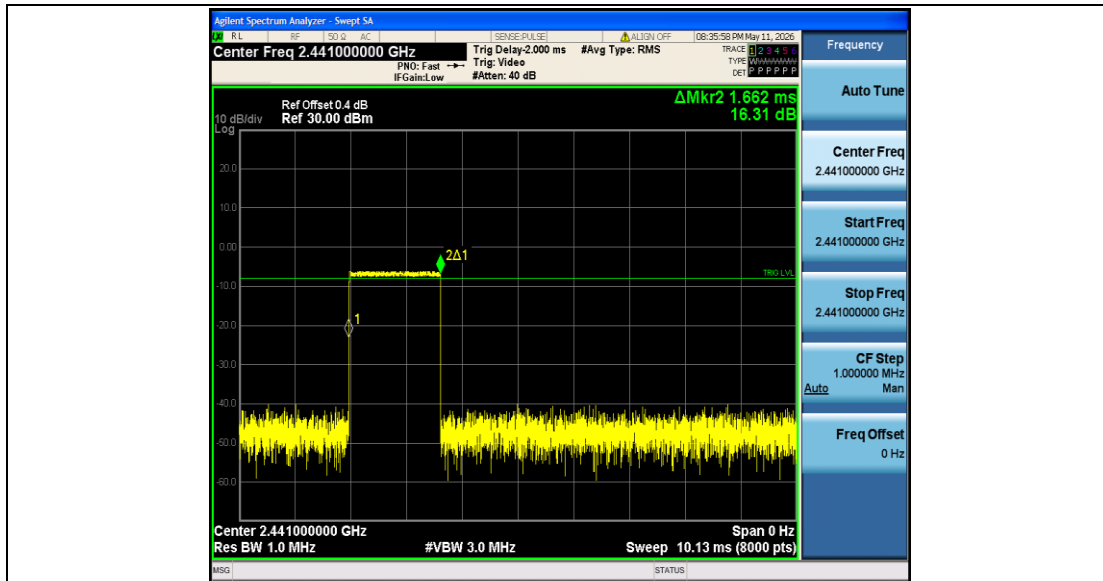
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	317	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	153	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.910	113	0.329	≤0.4	PASS
2DH1	Ant1	Hop	0.415	313	0.13	≤0.4	PASS
2DH3	Ant1	Hop	1.667	157	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.916	110	0.321	≤0.4	PASS

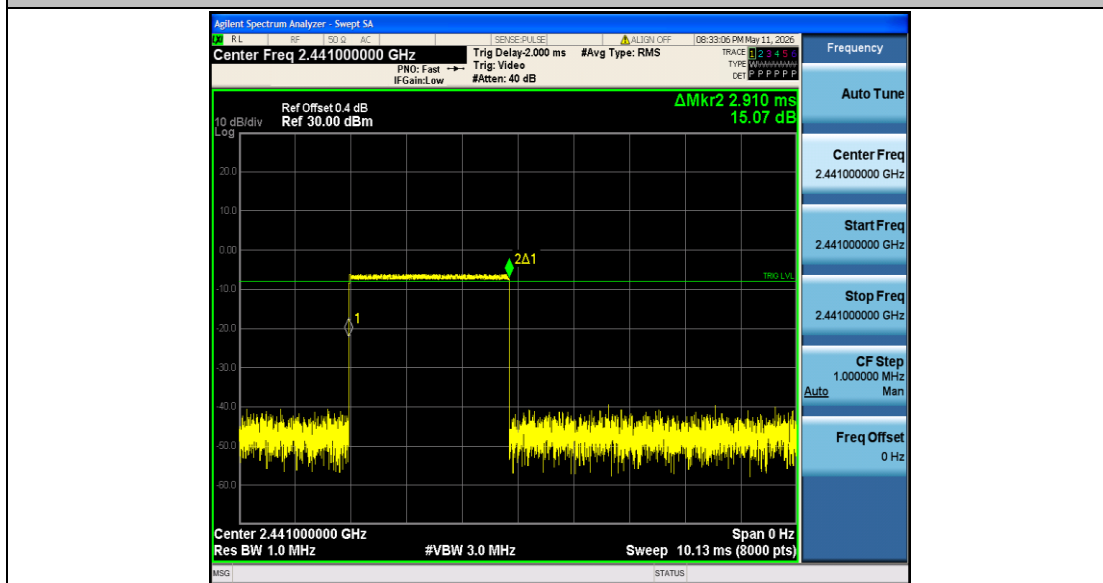
Test Graphs

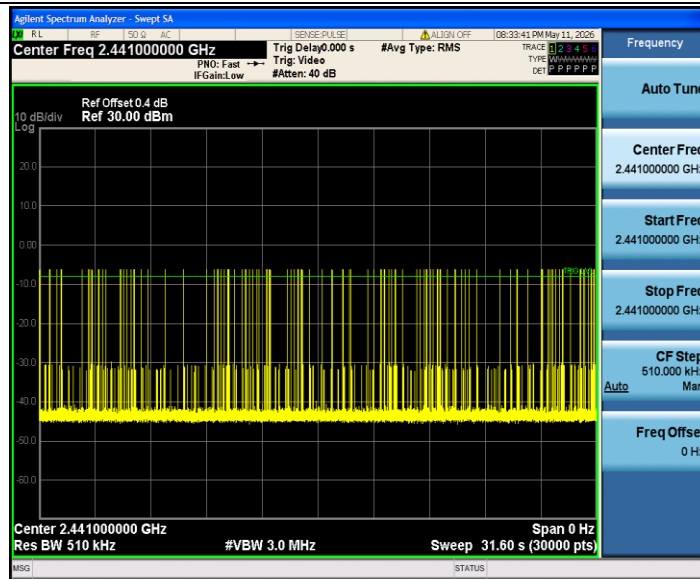


DH3_Ant1_Hop

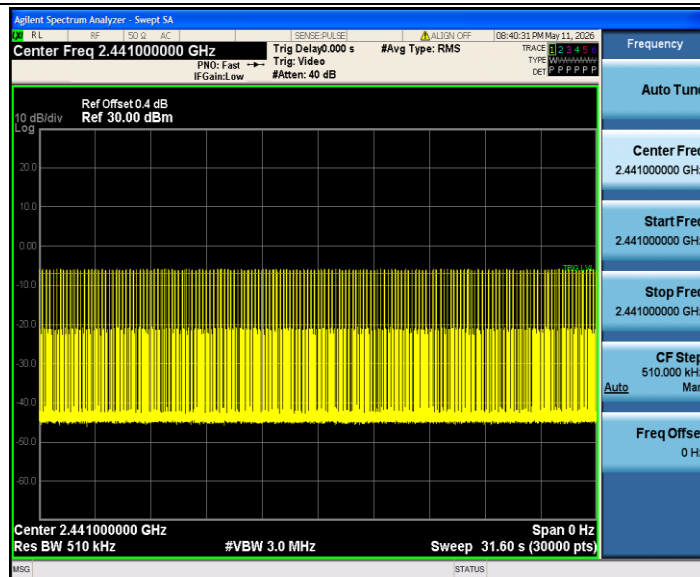
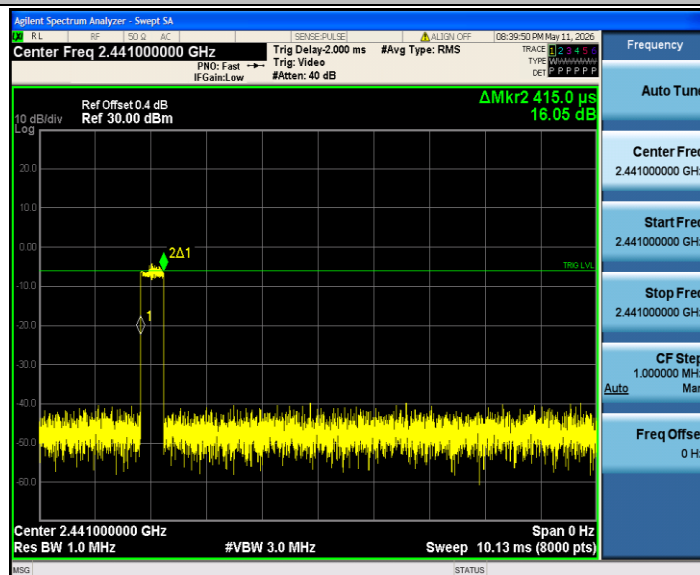


DH5_Ant1_Hop

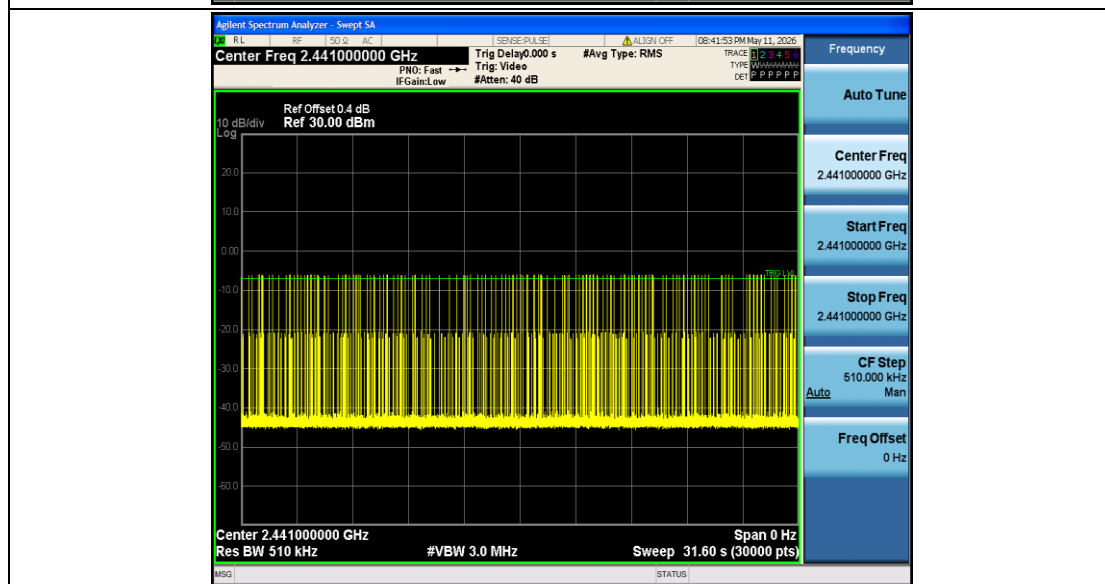
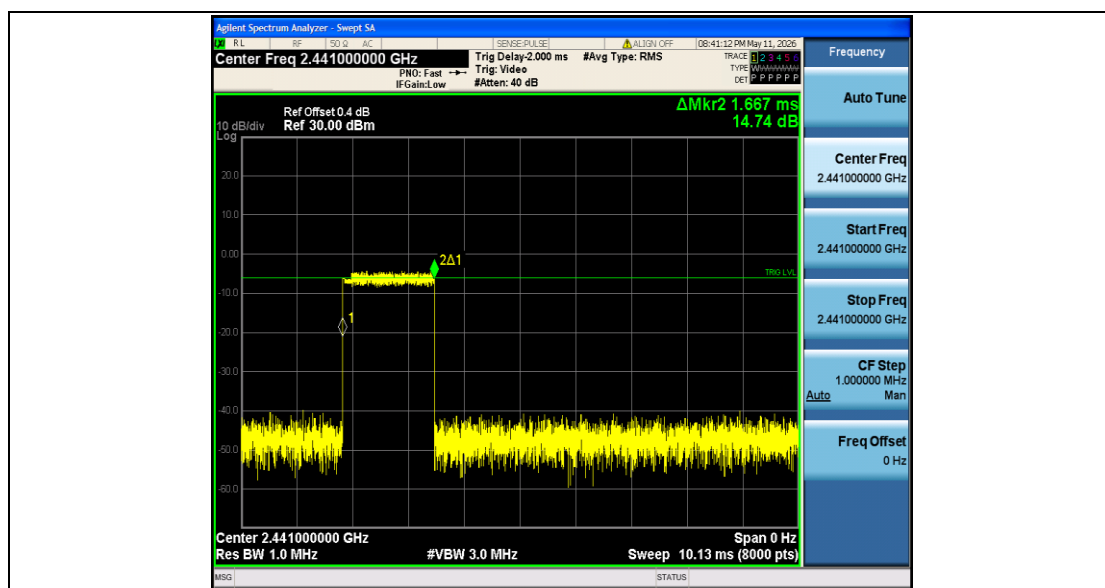




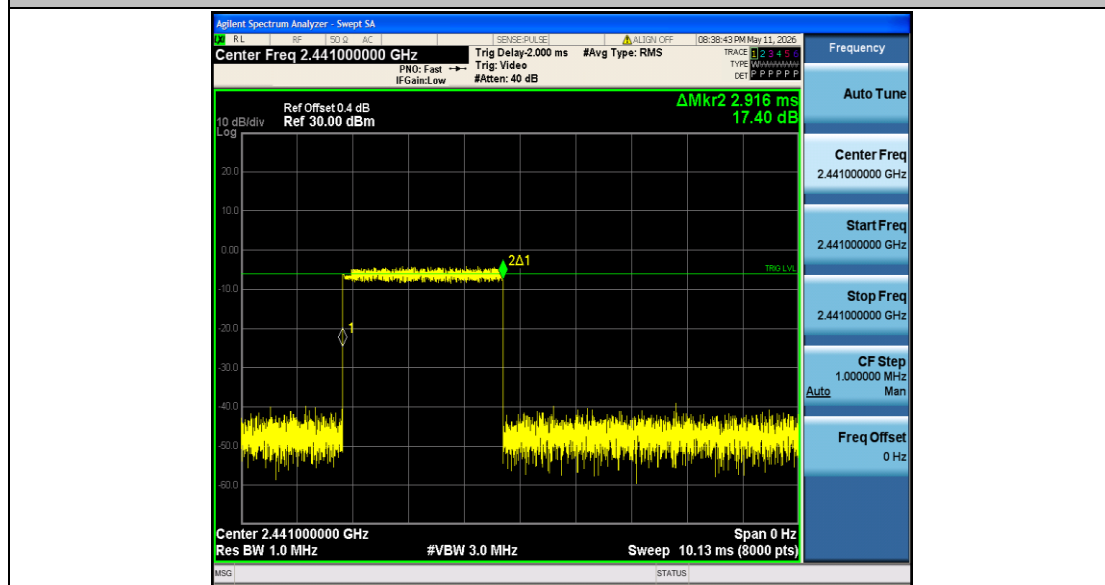
2DH1_Ant1_Hop

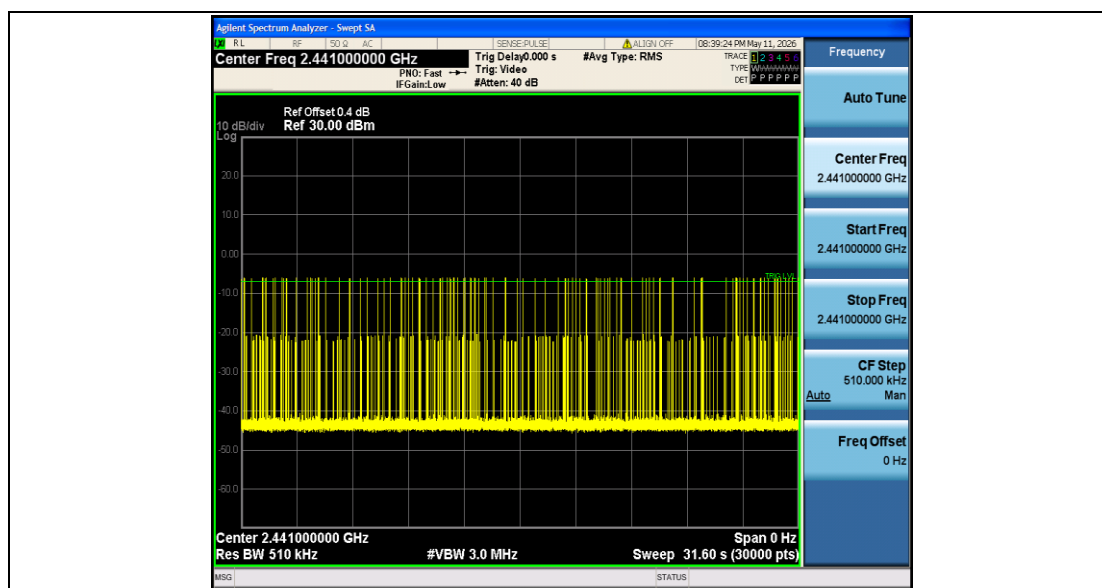


2DH3_Ant1_Hop



2DH5_Ant1_Hop



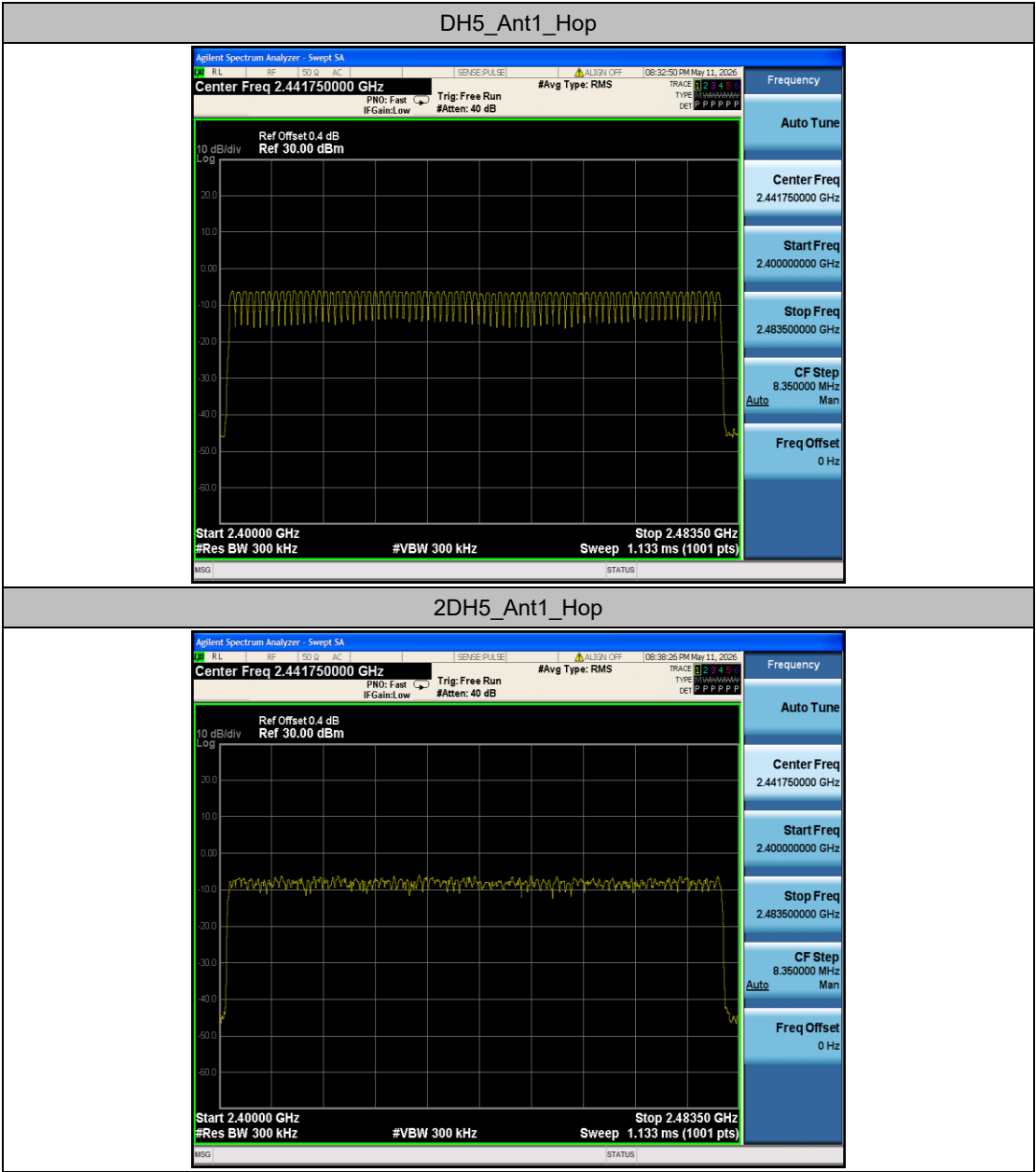


Appendix F: Number of hopping channels

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

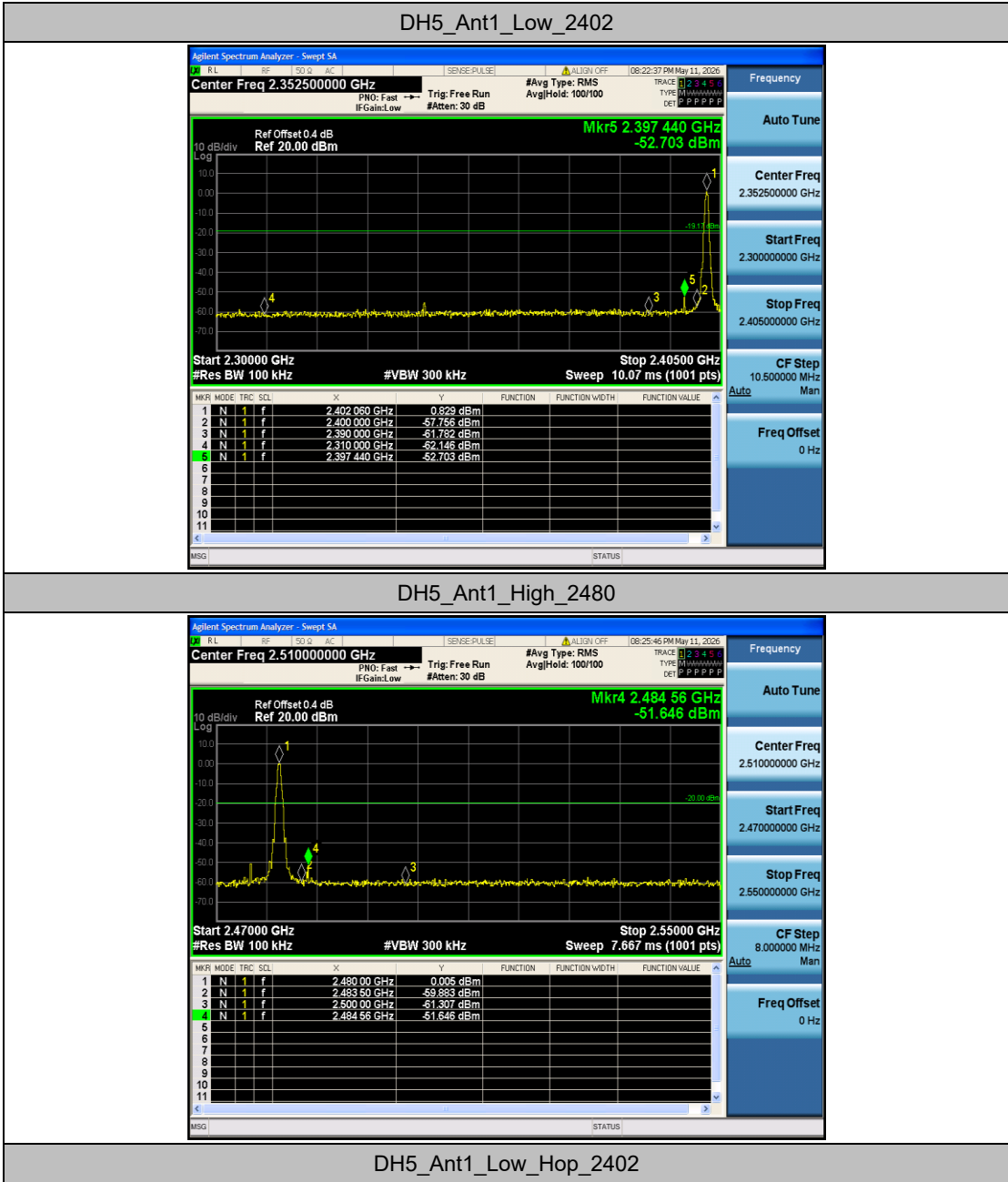


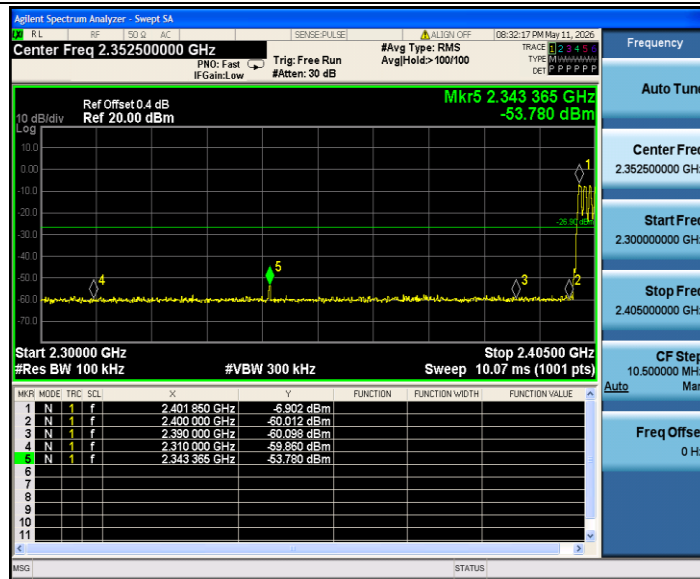
Appendix G: Band edge measurements

Test Result

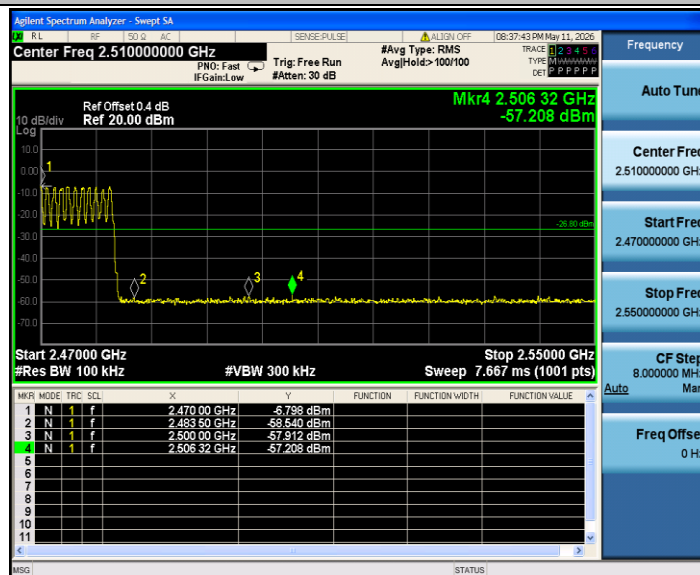
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.83	-52.7	≤ -19.17	PASS
		High	2480	0.01	-51.65	≤ -20	PASS
		Low	Hop_2402	-6.90	-53.78	≤ -26.9	PASS
		High	Hop_2480	-6.80	-57.21	≤ -26.8	PASS
2DH5	Ant1	Low	2402	-7.12	-53.63	≤ -27.12	PASS
		High	2480	-6.18	-57.21	≤ -26.18	PASS
		Low	Hop_2402	-9.20	-56.22	≤ -29.2	PASS
		High	Hop_2480	-8.37	-57.37	≤ -28.37	PASS

Test Graphs

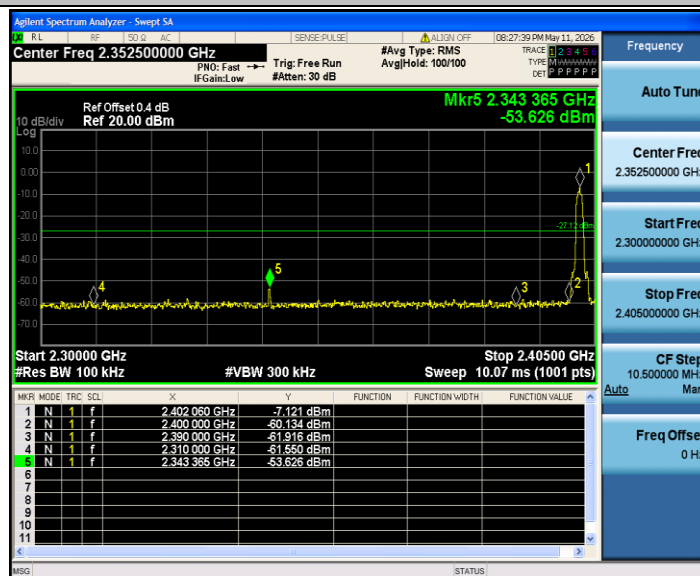




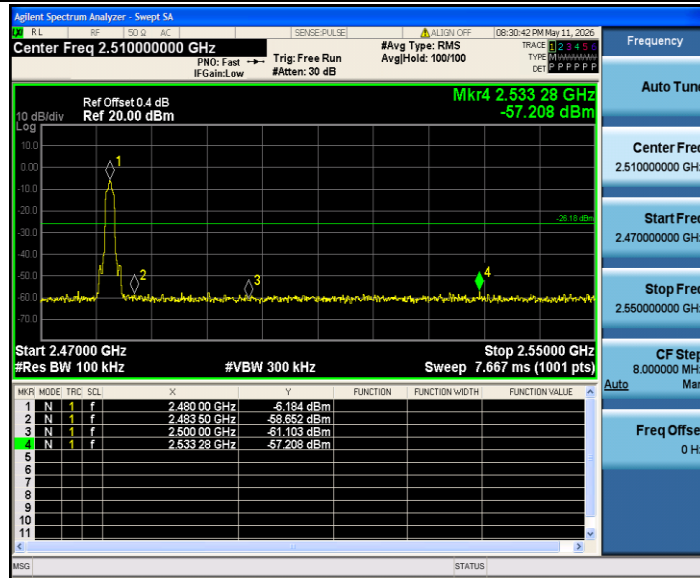
DH5_Ant1_High_Hop_2480



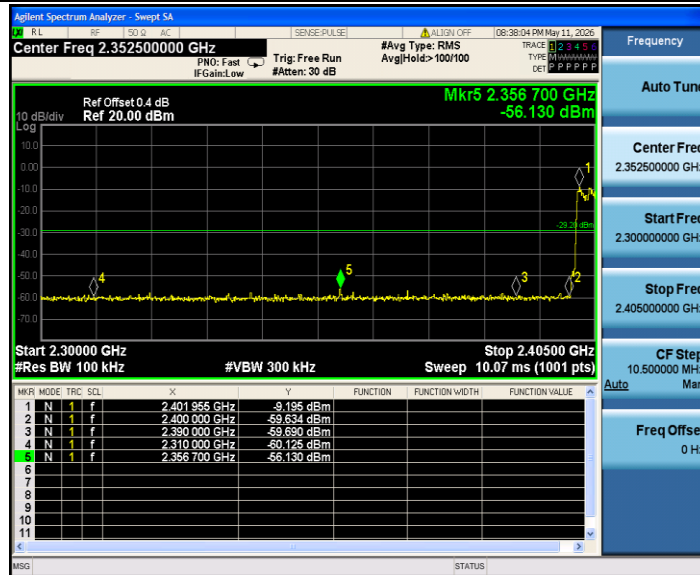
2DH5_Ant1_Low_2402



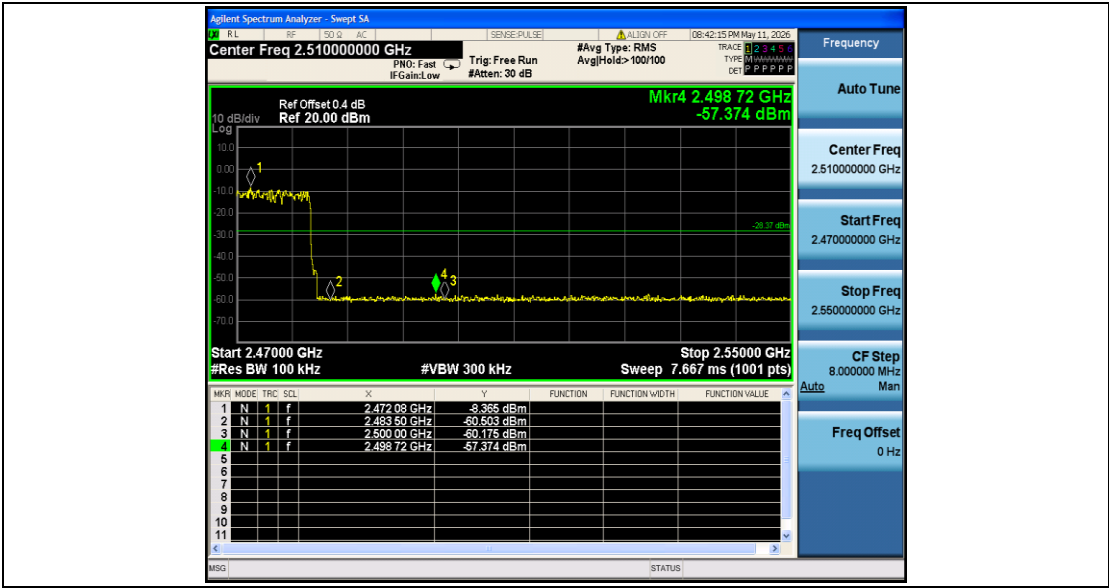
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

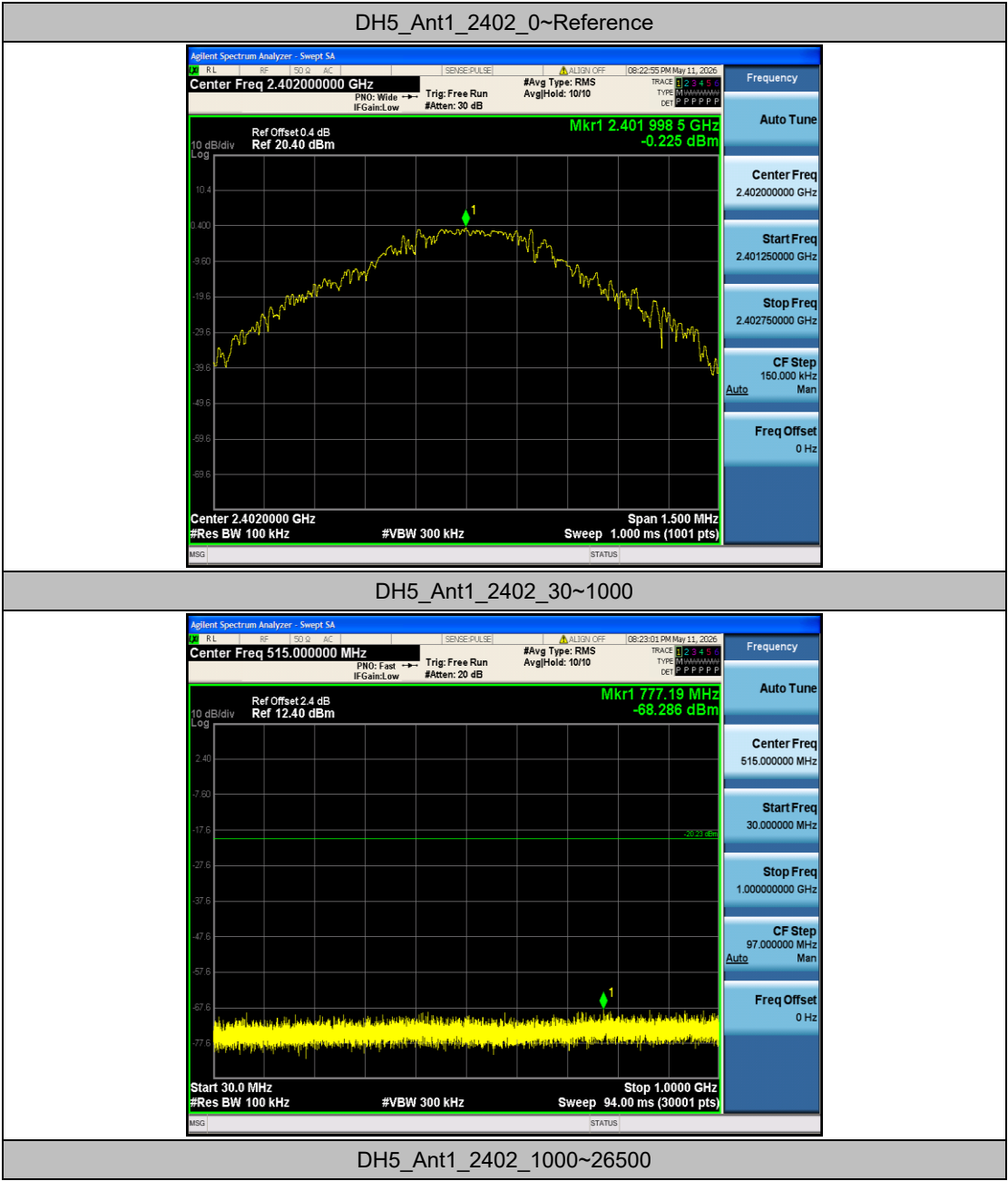


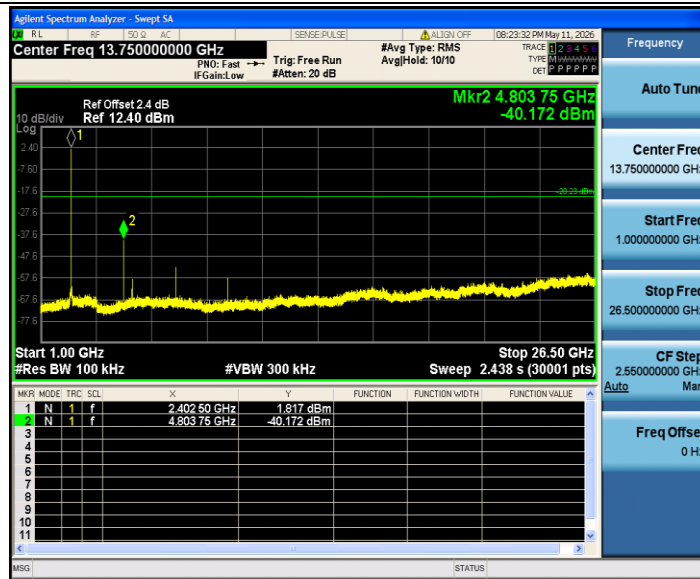
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-68.29	≤-20.23	PASS
			1000~26500	-0.23	-40.17	≤-20.23	PASS
		2441	Reference	-0.39	-0.39	---	PASS
			30~1000	-0.39	-67.42	≤-20.39	PASS
			1000~26500	-0.39	-40.78	≤-20.39	PASS
		2480	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-68.31	≤-20.1	PASS
			1000~26500	-0.10	-41.75	≤-20.1	PASS
2DH5	Ant1	2402	Reference	-8.10	-8.10	---	PASS
			30~1000	-8.10	-67.5	≤-28.1	PASS
			1000~26500	-8.10	-50.87	≤-28.1	PASS
		2441	Reference	-8.45	-8.45	---	PASS
			30~1000	-8.45	-67.42	≤-28.45	PASS
			1000~26500	-8.45	-51.75	≤-28.45	PASS
		2480	Reference	-9.38	-9.38	---	PASS
			30~1000	-9.38	-68.3	≤-29.38	PASS
			1000~26500	-9.38	-51.21	≤-29.38	PASS

Test Graphs

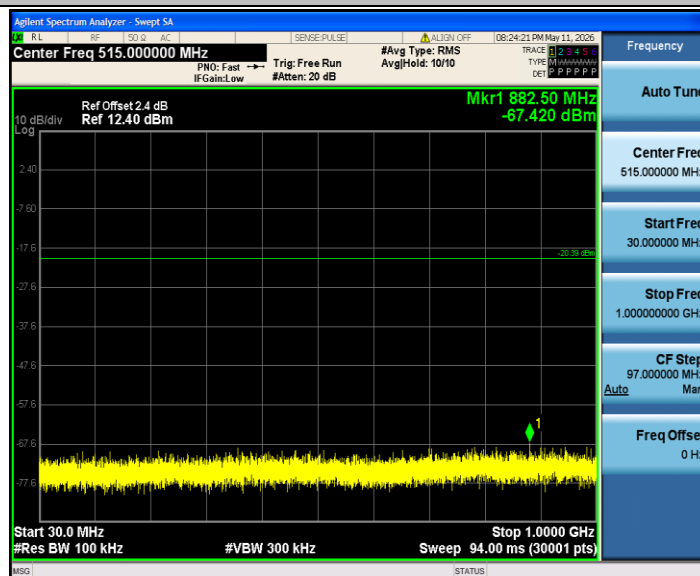




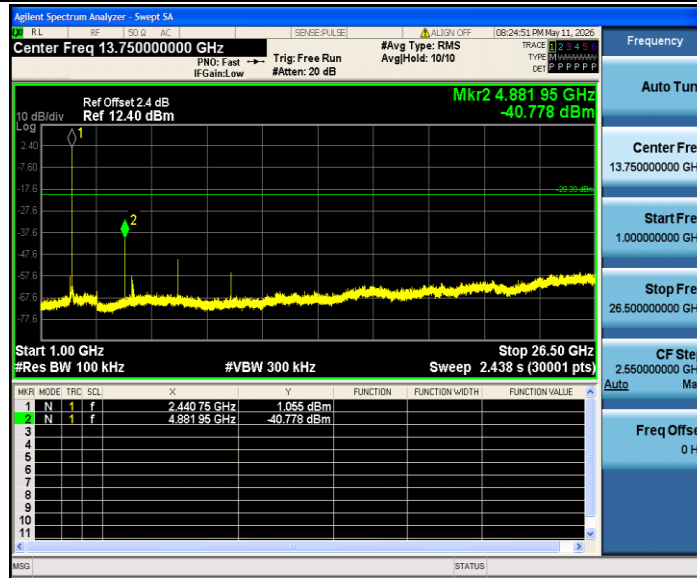
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



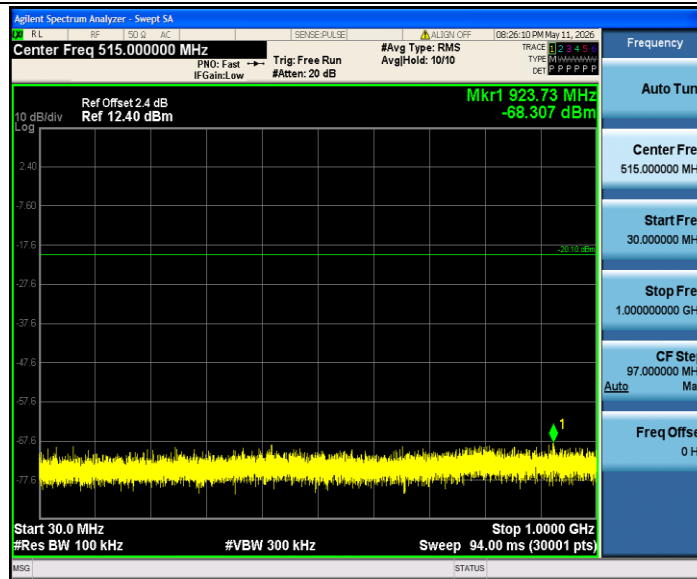
DH5_Ant1_2441_1000~26500



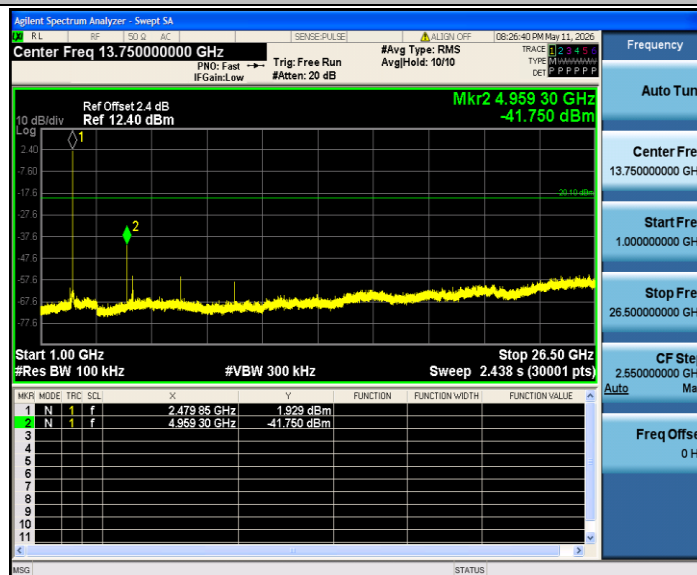
DH5_Ant1_2480_0~Reference



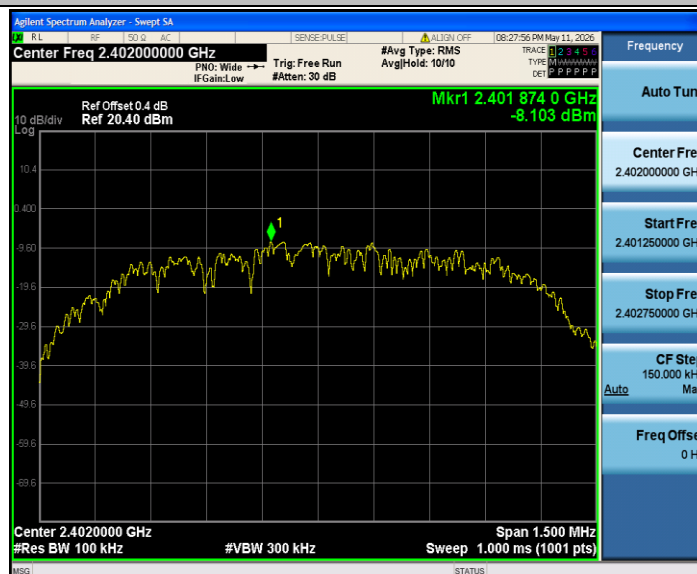
DH5_Ant1_2480_30~1000



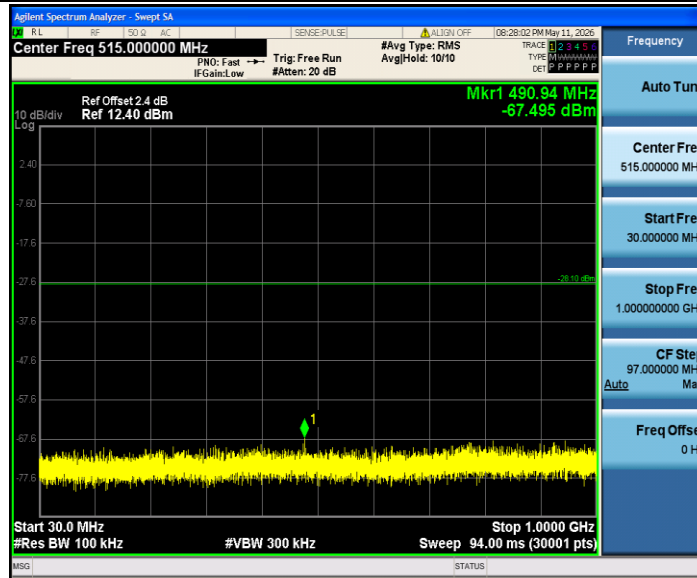
DH5_Ant1_2480_1000~26500



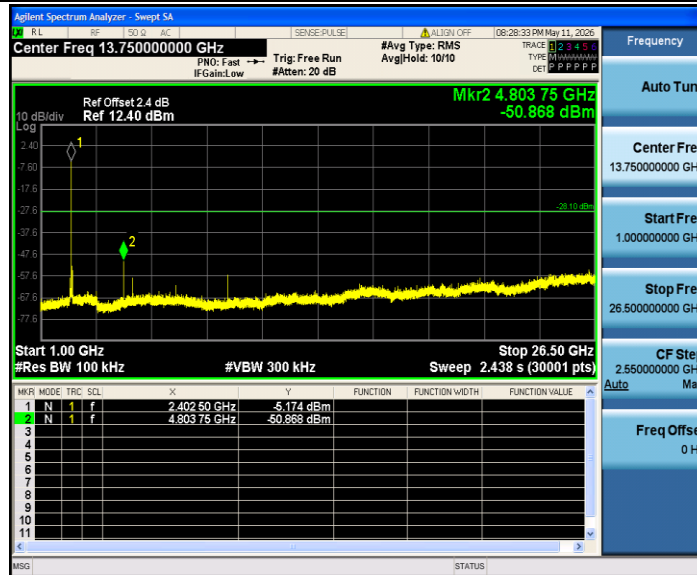
2DH5_Ant1_2402_0~Reference



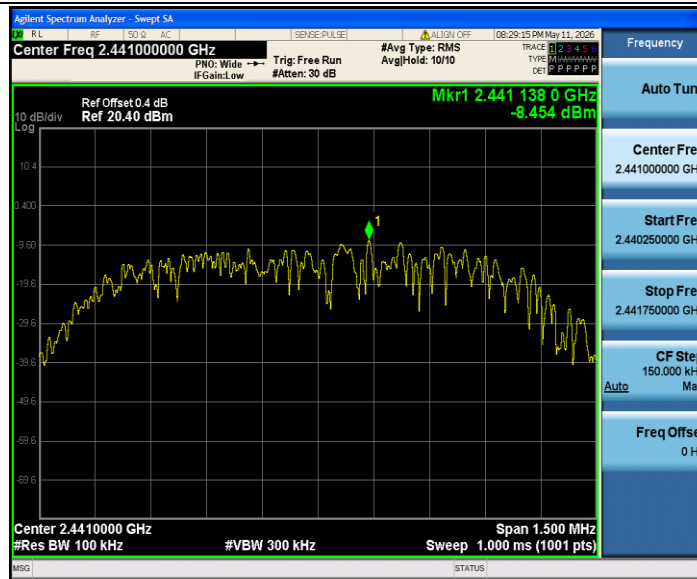
2DH5_Ant1_2402_30~1000



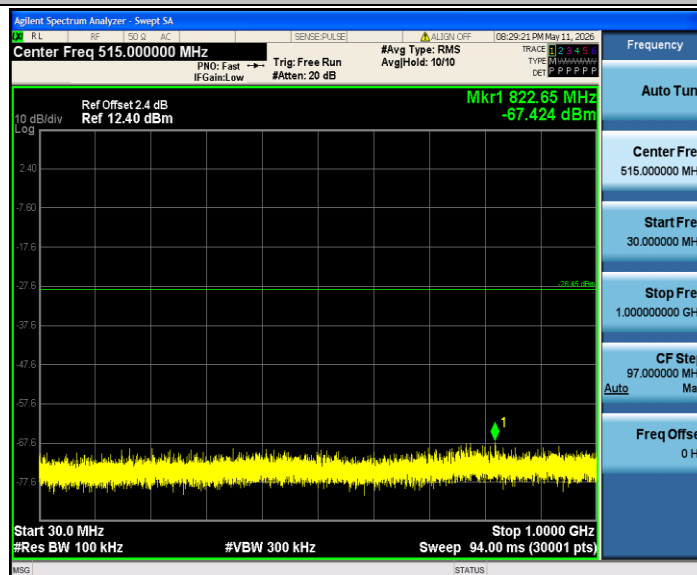
2DH5_Ant1_2402_1000~26500



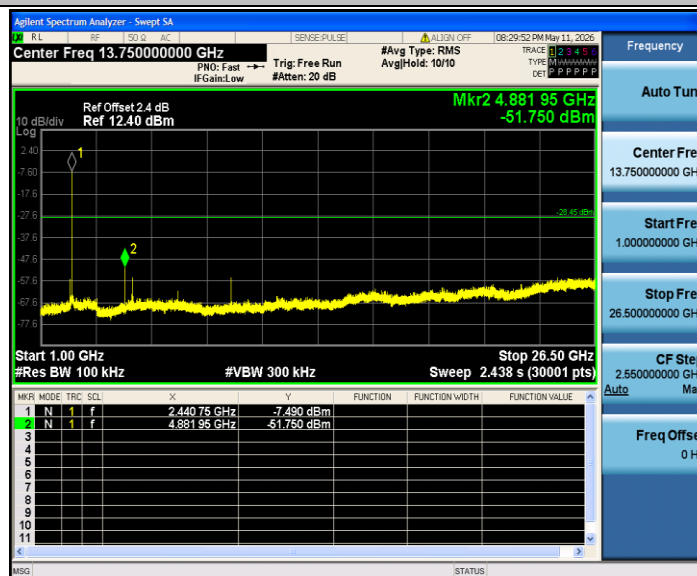
2DH5_Ant1_2441_0~Reference



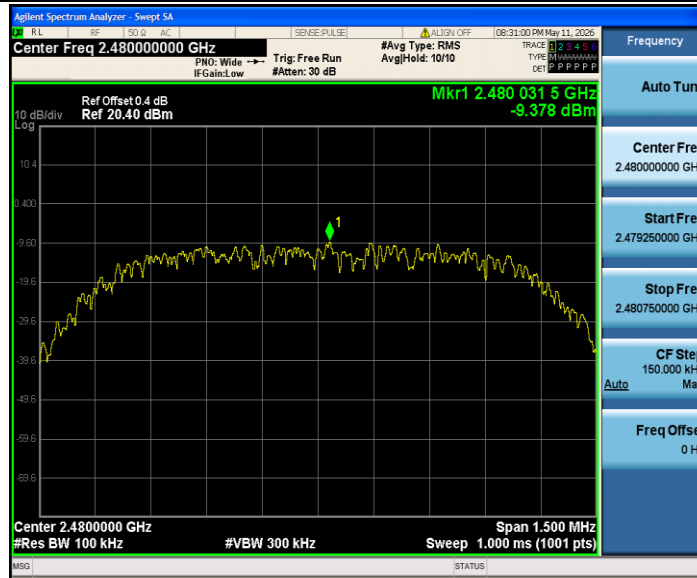
2DH5_Ant1_2441_30~1000



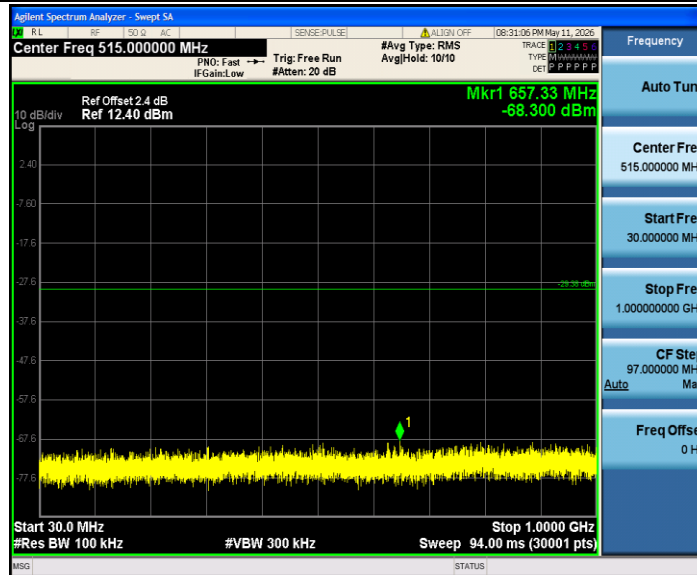
2DH5_Ant1_2441_1000~26500



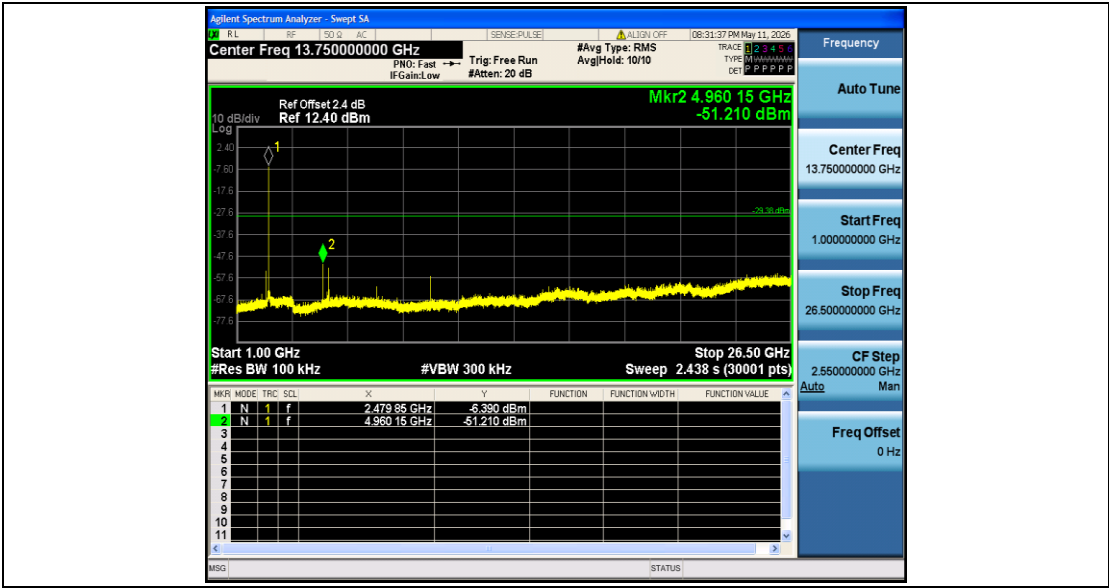
2DH5_Ant1_2480_0~Reference



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	3.75	77.87	1.09	---	---
		2441	2.92	3.74	78.07	1.08	---	---
		2480	2.92	3.75	77.87	1.09	---	---