

FCC Appendix RF Test Data for BT

FCC ID : 2BSCX-G12

Company : ShenZhen Glasse Technology Co.,Ltd.

EUT : Intelligent glasses

Model Number : G12

Report No. : CTA26040200201

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	0.876	2401.553	2402.429	---	---
		2441	0.930	2440.550	2441.480	---	---
		2480	0.921	2479.550	2480.471	---	---
2DH5	Ant1	2402	1.290	2401.376	2402.666	---	---
		2441	1.329	2440.343	2441.672	---	---
		2480	1.278	2479.379	2480.657	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

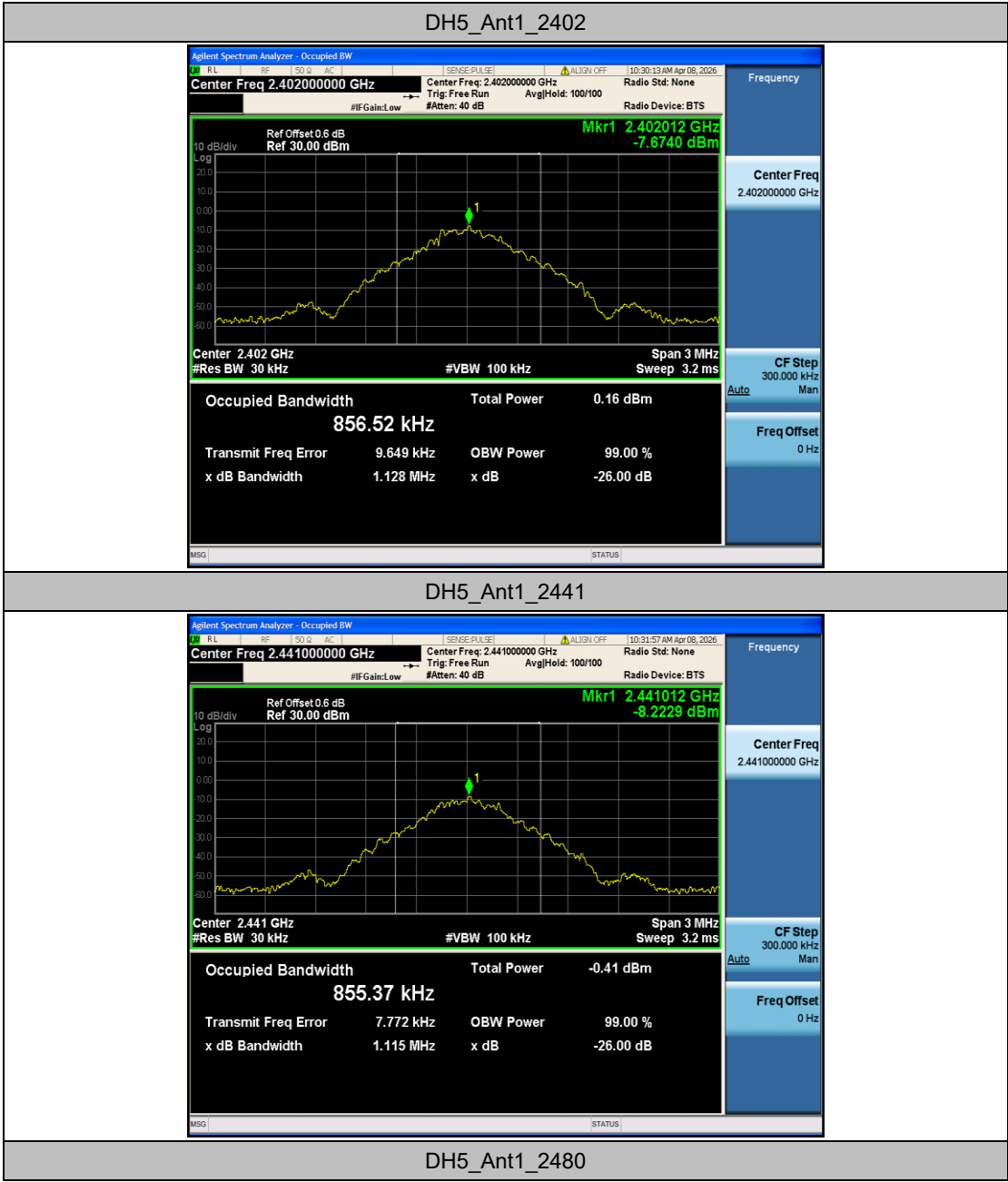


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85652	2401.5814	2402.4379	---	---
		2441	0.85537	2440.5801	2441.4355	---	---
		2480	0.86514	2479.5787	2480.4439	---	---
2DH5	Ant1	2402	1.1759	2401.4202	2402.5961	---	---
		2441	1.1921	2440.4123	2441.6044	---	---
		2480	1.1881	2479.4171	2480.6052	---	---

Test Graphs

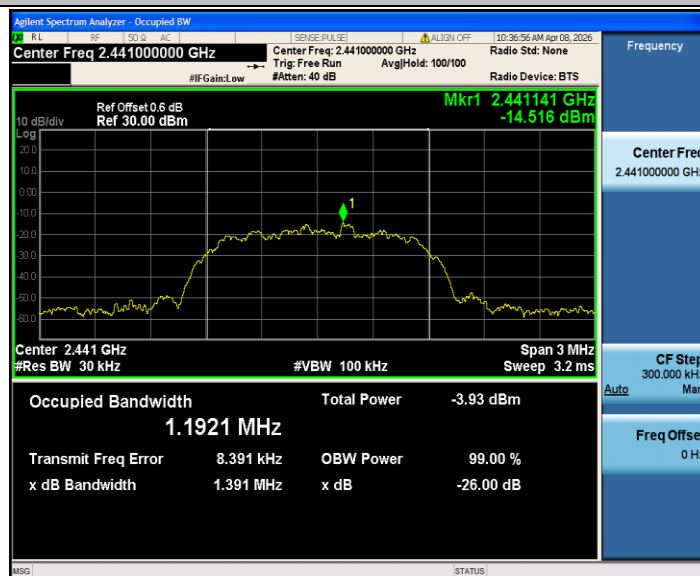




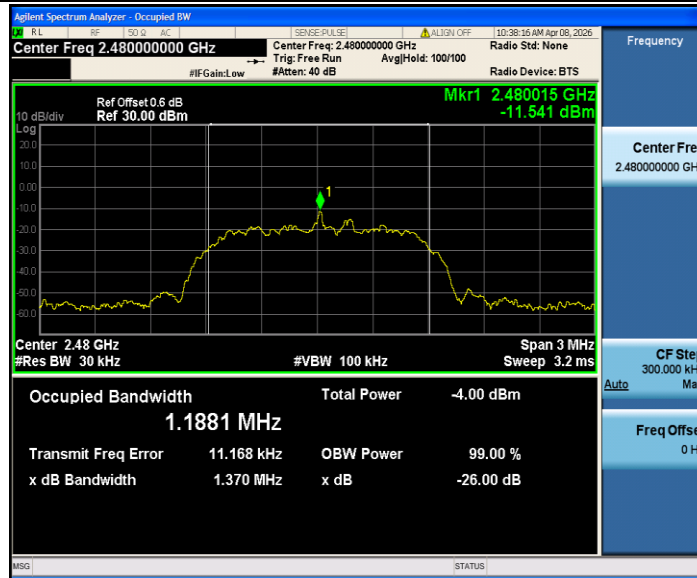
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Left:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-6.24	≤20.97	PASS
		2441	-6.80	≤20.97	PASS
		2480	-7.04	≤20.97	PASS
2DH5	Ant1	2402	-7.04	≤20.97	PASS
		2441	-7.58	≤20.97	PASS
		2480	-7.87	≤20.97	PASS

Right:

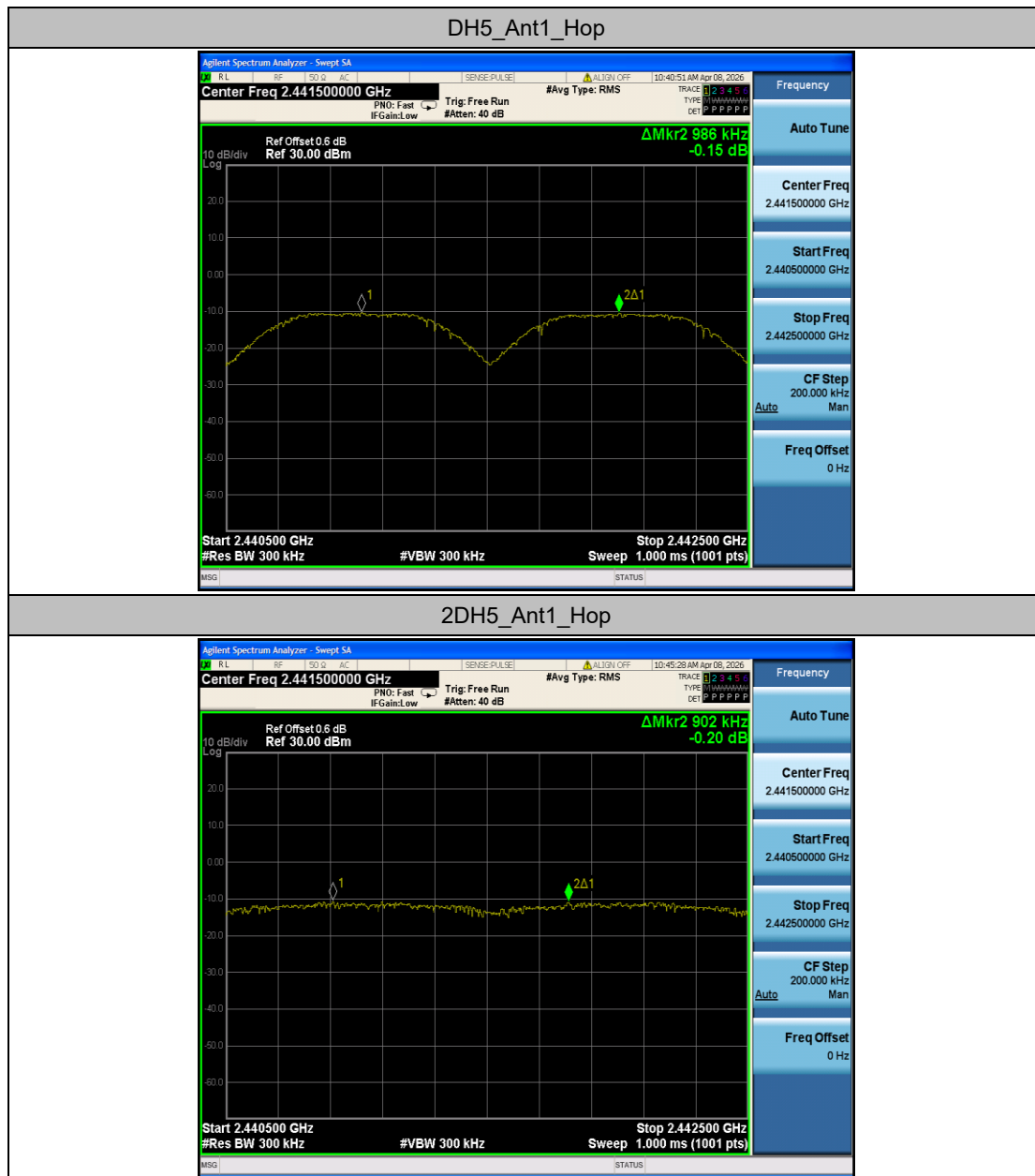
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-6.18	≤20.97	PASS
		2441	-6.26	≤20.97	PASS
		2480	-7.43	≤20.97	PASS
2DH5	Ant1	2402	-7.29	≤20.97	PASS
		2441	-7.37	≤20.97	PASS
		2480	-7.53	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥ 0.930	PASS
2DH5	Ant1	Hop	0.902	≥ 0.886	PASS

Test Graphs

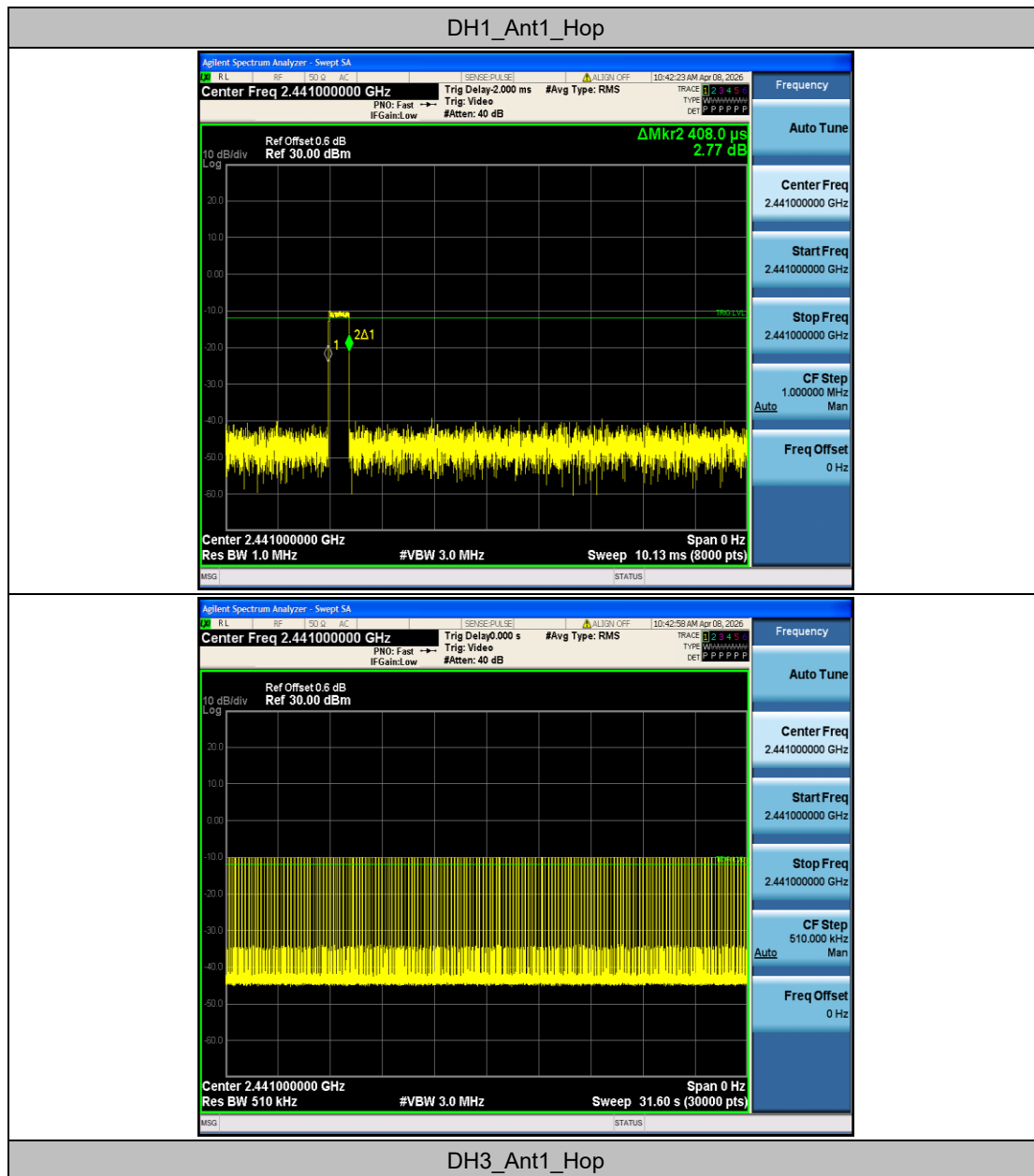


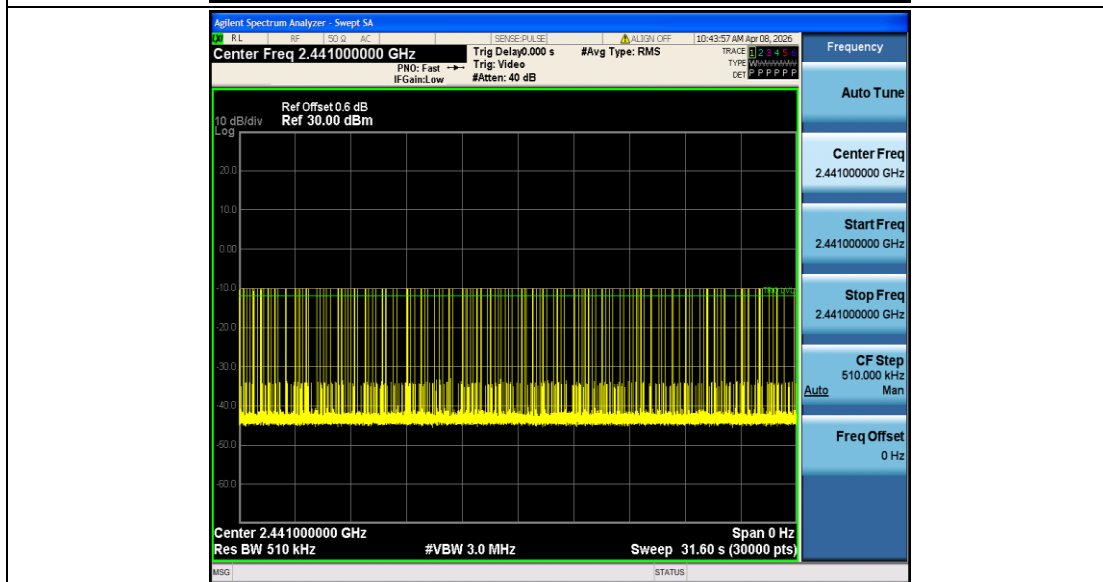
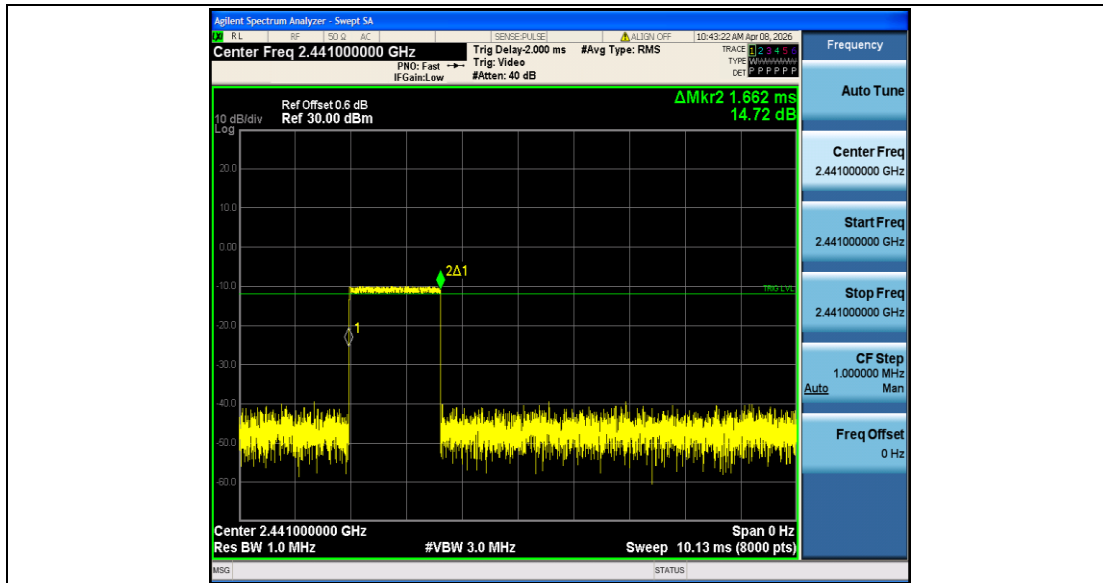
Appendix E: Time of occupancy

Test Result

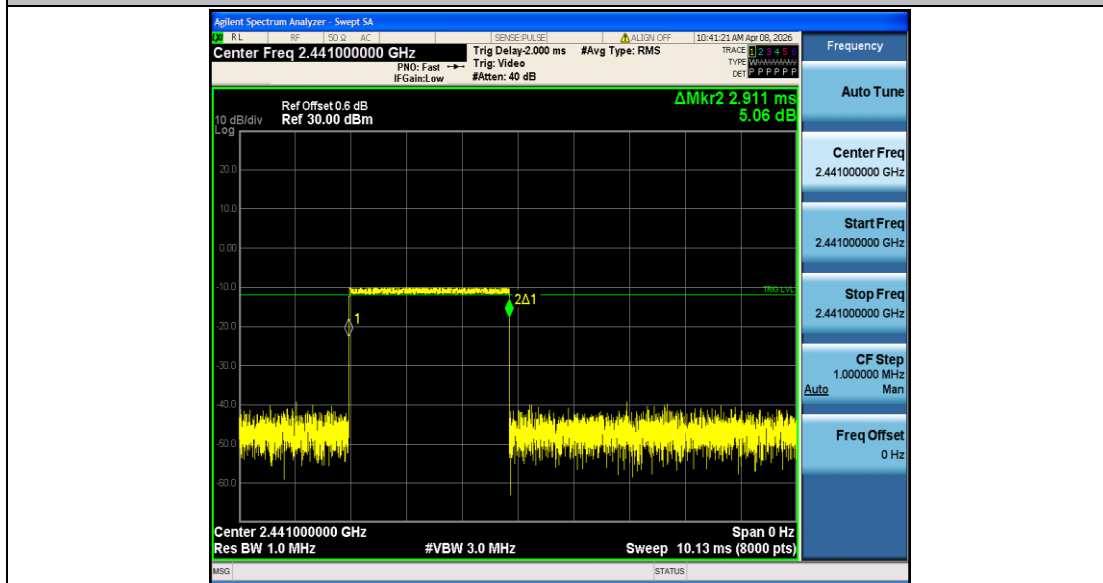
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.408	318	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.662	160	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.911	109	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.669	162	0.27	≤0.4	PASS
2DH5	Ant1	Hop	2.915	114	0.332	≤0.4	PASS

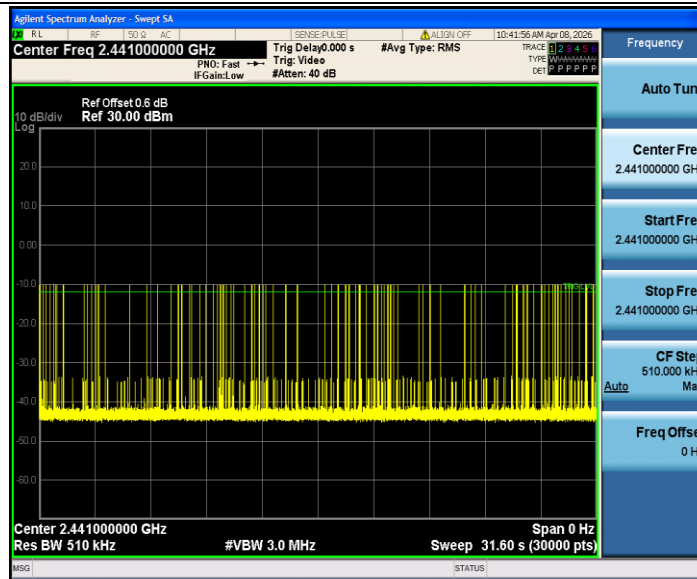
Test Graphs



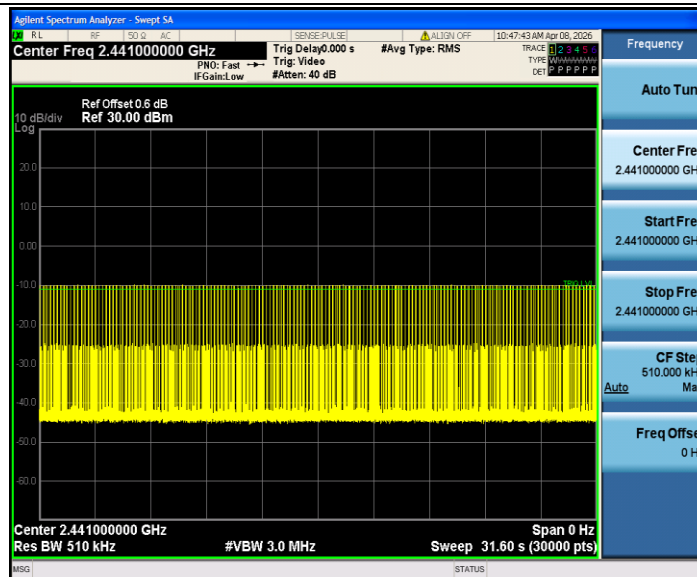
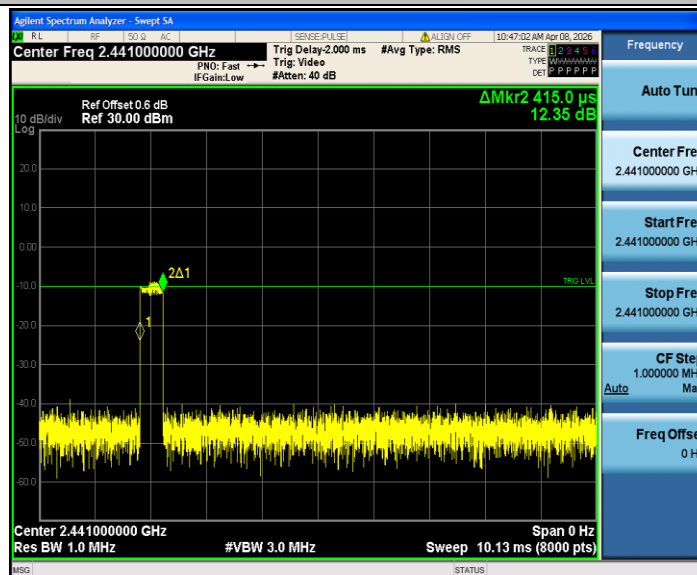


DH5_Ant1_Hop

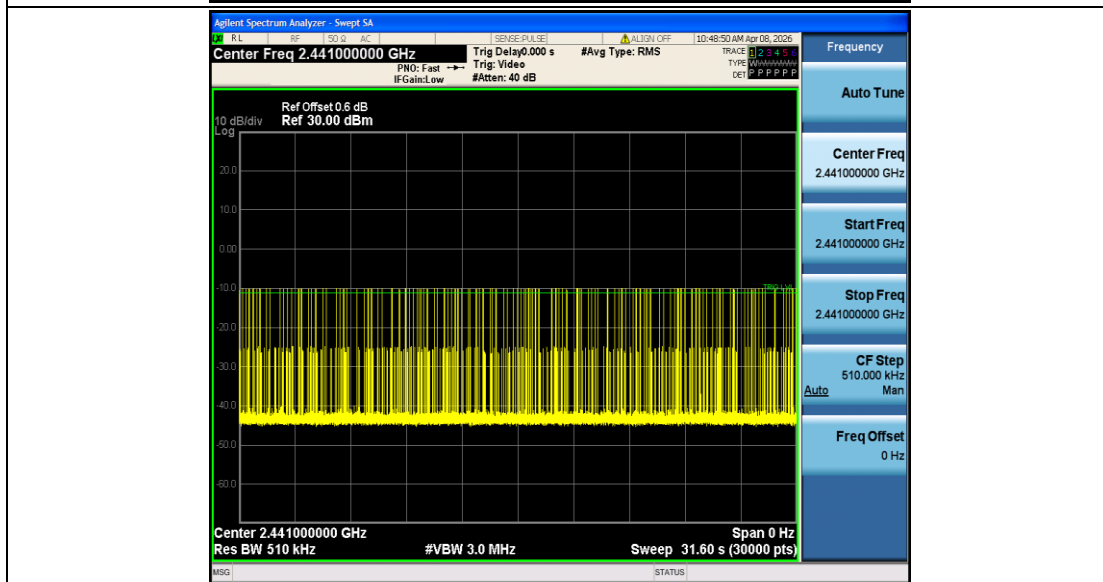
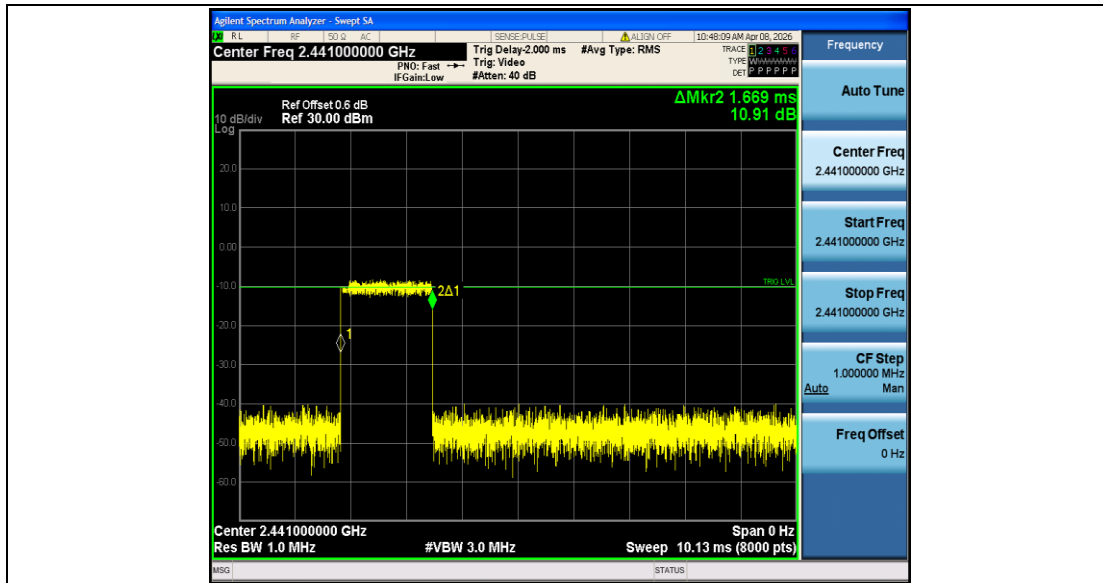




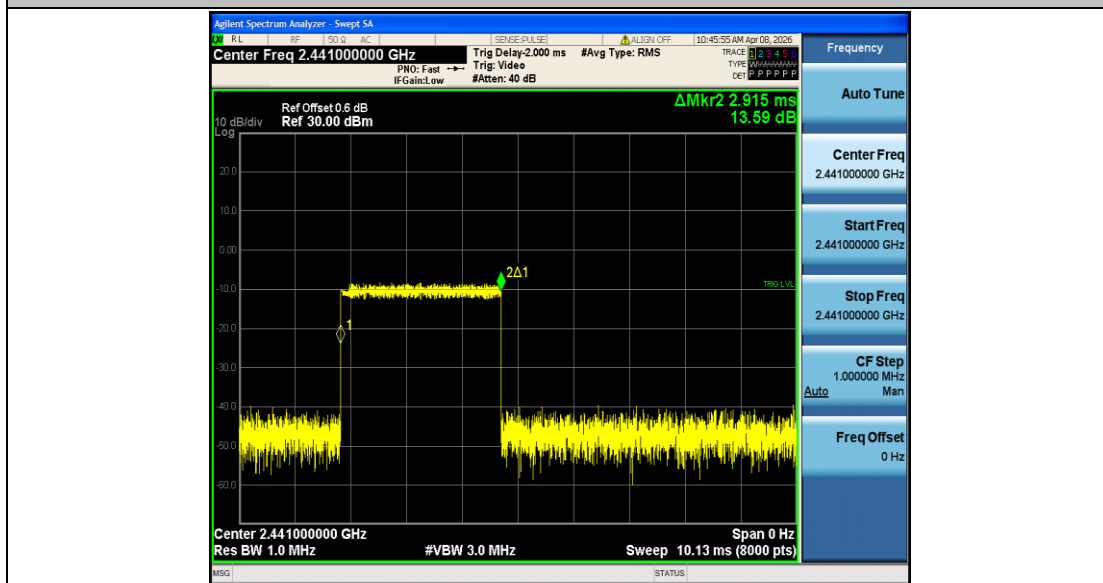
2DH1_Ant1_Hop

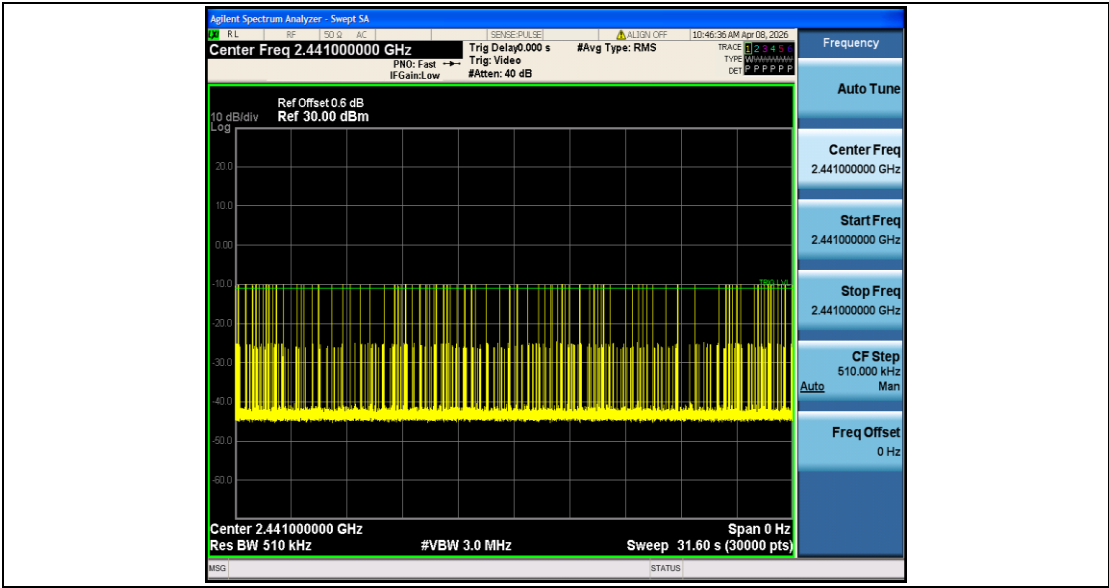


2DH3_Ant1_Hop



2DH5_Ant1_Hop



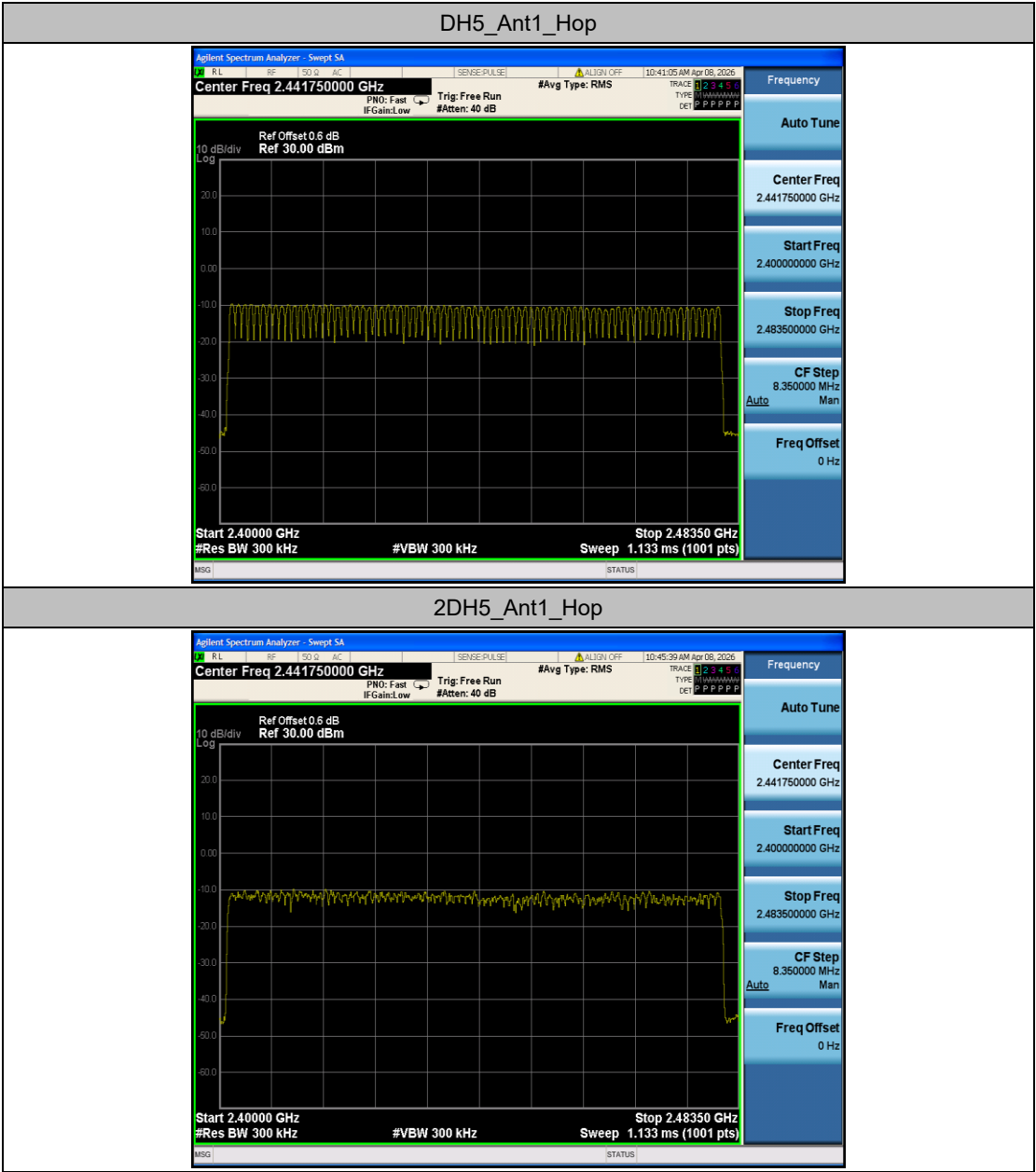


Appendix F: Number of hopping channels

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

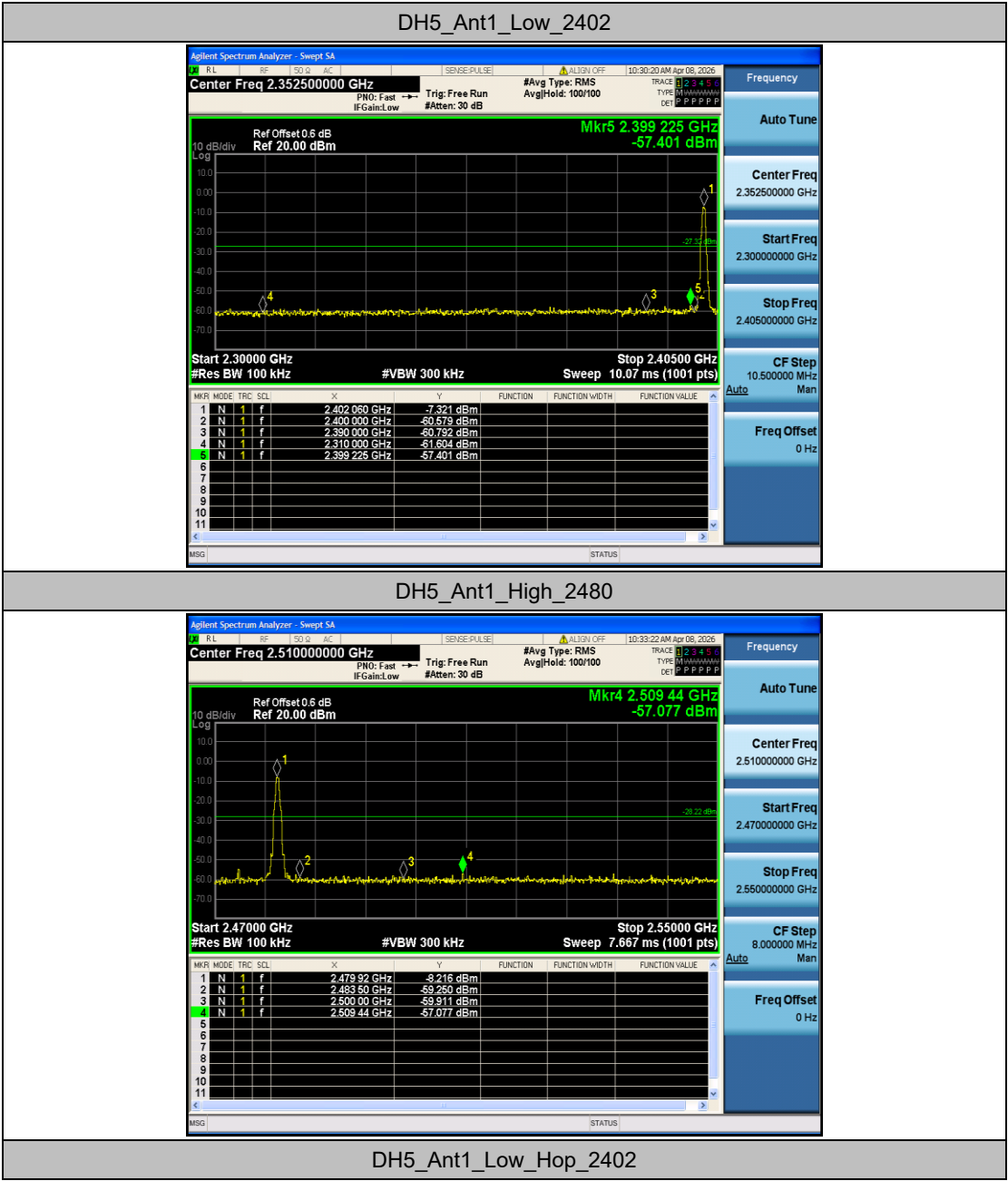


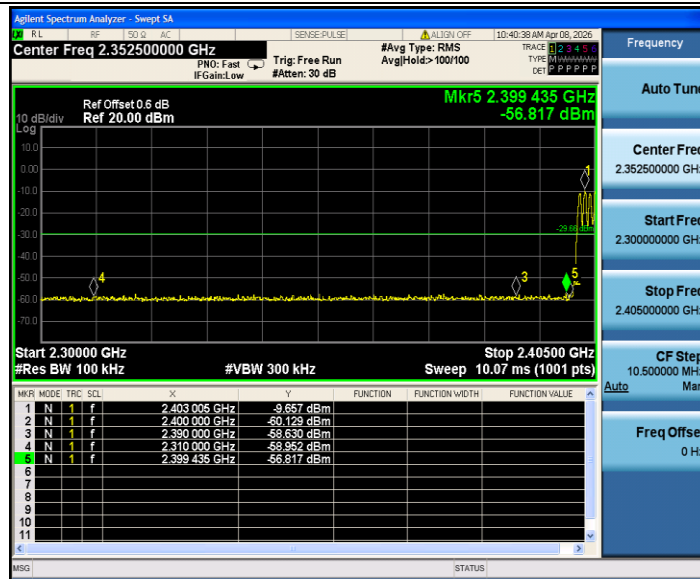
Appendix G: Band edge measurements

Test Result

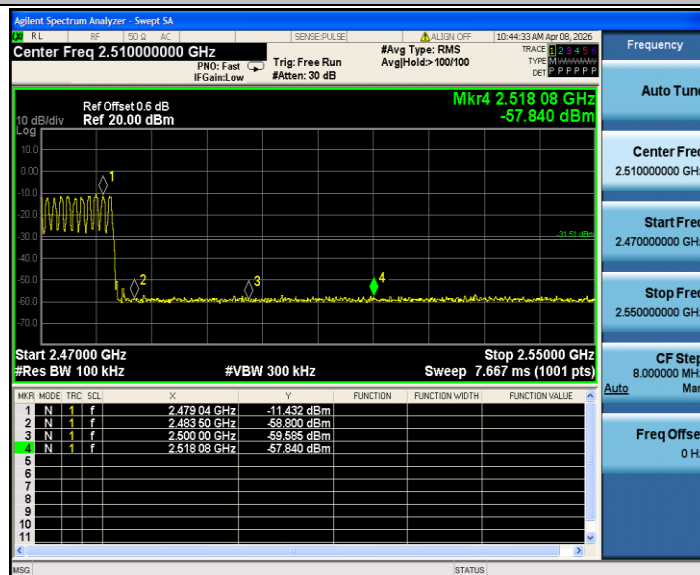
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-7.32	-57.4	≤ -27.32	PASS
		High	2480	-8.22	-57.08	≤ -28.22	PASS
		Low	Hop_2402	-9.66	-56.82	≤ -29.66	PASS
		High	Hop_2480	-11.51	-57.84	≤ -31.51	PASS
2DH5	Ant1	Low	2402	-10.71	-57.69	≤ -30.71	PASS
		High	2480	-10.57	-57.65	≤ -30.57	PASS
		Low	Hop_2402	-11.87	-56.85	≤ -31.87	PASS
		High	Hop_2480	-11.93	-57.19	≤ -31.93	PASS

Test Graphs

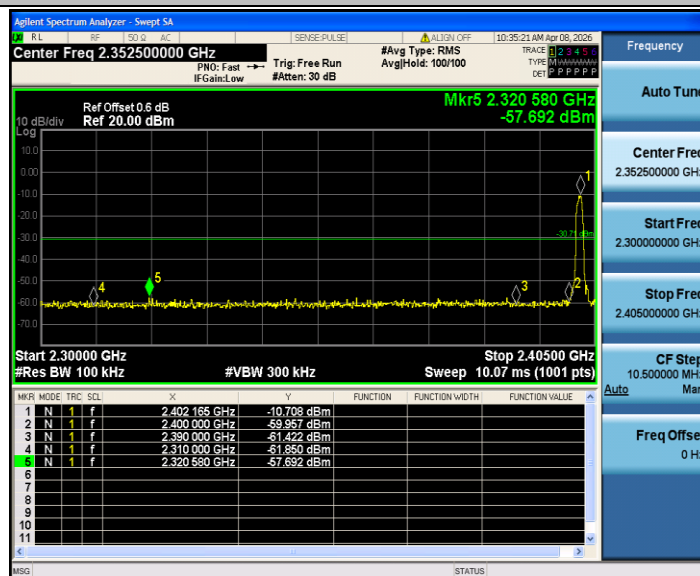




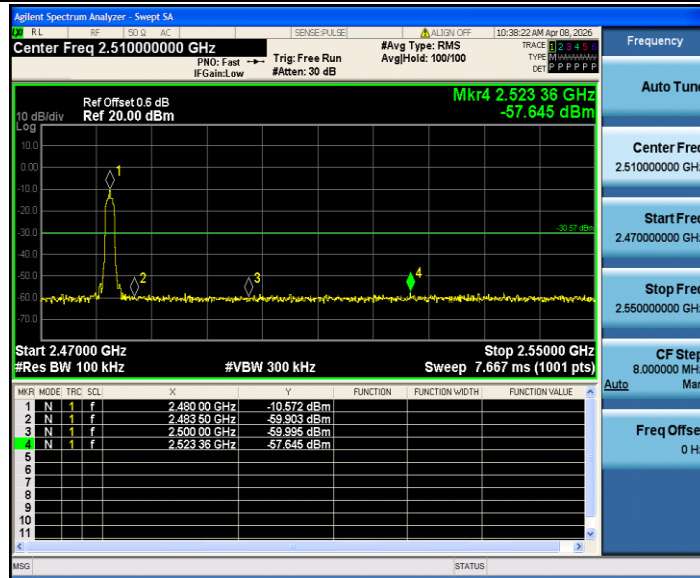
DH5_Ant1_High_Hop_2480



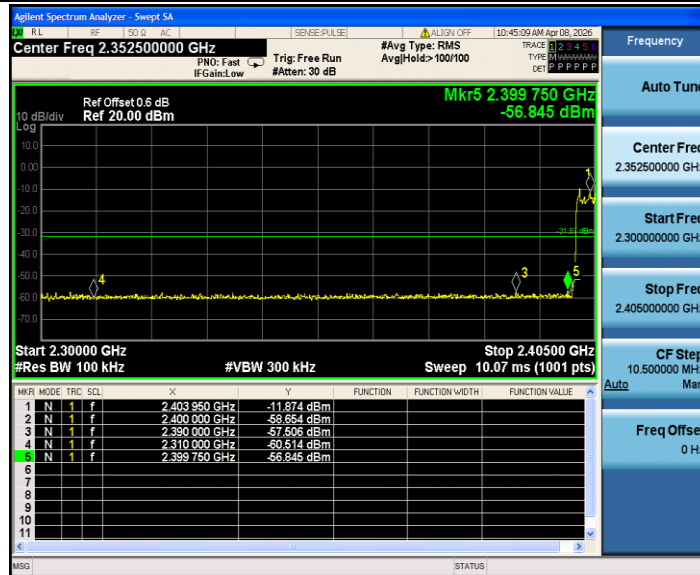
2DH5_Ant1_Low_2402



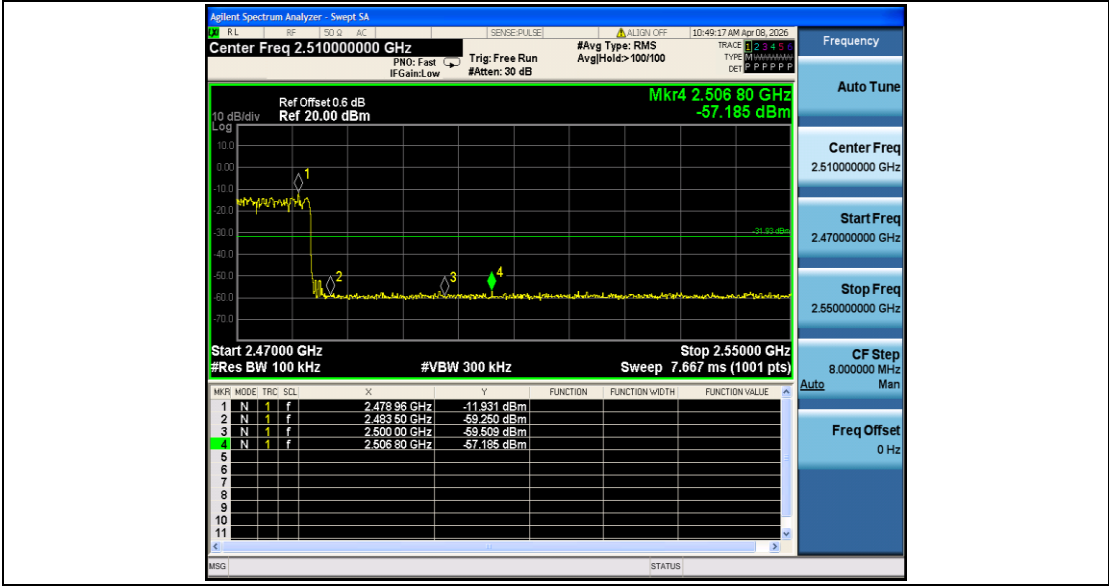
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

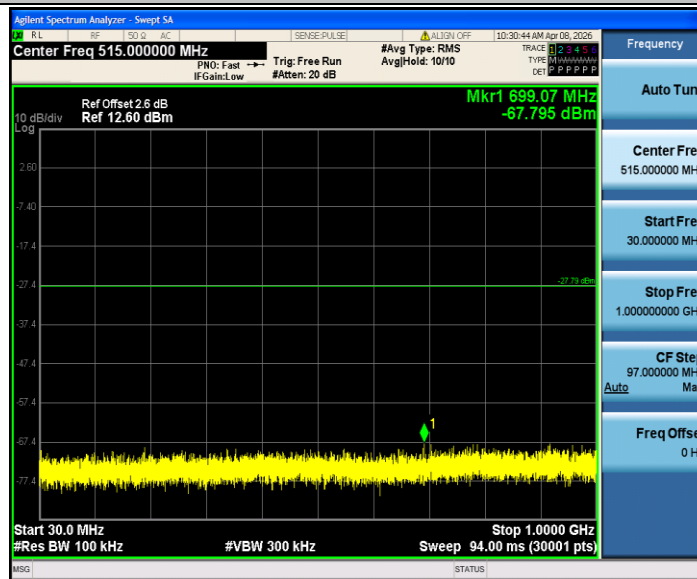
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-7.79	-7.79	---	PASS
			30~1000	-7.79	-67.8	≤-27.79	PASS
			1000~26500	-7.79	-51.55	≤-27.79	PASS
		2441	Reference	-8.08	-8.08	---	PASS
			30~1000	-8.08	-67.73	≤-28.08	PASS
			1000~26500	-8.08	-53.41	≤-28.08	PASS
		2480	Reference	-8.14	-8.14	---	PASS
			30~1000	-8.14	-66.93	≤-28.14	PASS
			1000~26500	-8.14	-52.36	≤-28.14	PASS
2DH5	Ant1	2402	Reference	-10.61	-10.61	---	PASS
			30~1000	-10.61	-68.11	≤-30.61	PASS
			1000~26500	-10.61	-55.26	≤-30.61	PASS
		2441	Reference	-12.20	-12.20	---	PASS
			30~1000	-12.20	-67.09	≤-32.2	PASS
			1000~26500	-12.20	-55.02	≤-32.2	PASS
		2480	Reference	-12.46	-12.46	---	PASS
			30~1000	-12.46	-67.99	≤-32.46	PASS
			1000~26500	-12.46	-55.15	≤-32.46	PASS

Test Graphs

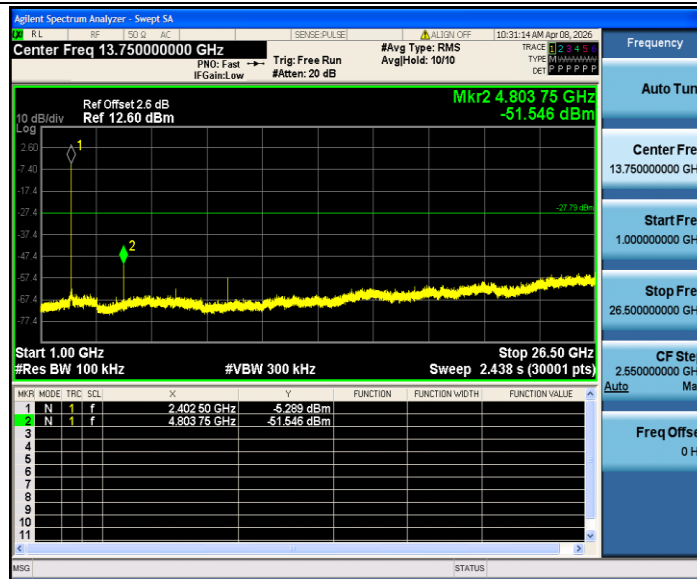
DH5_Ant1_2402_0~Reference



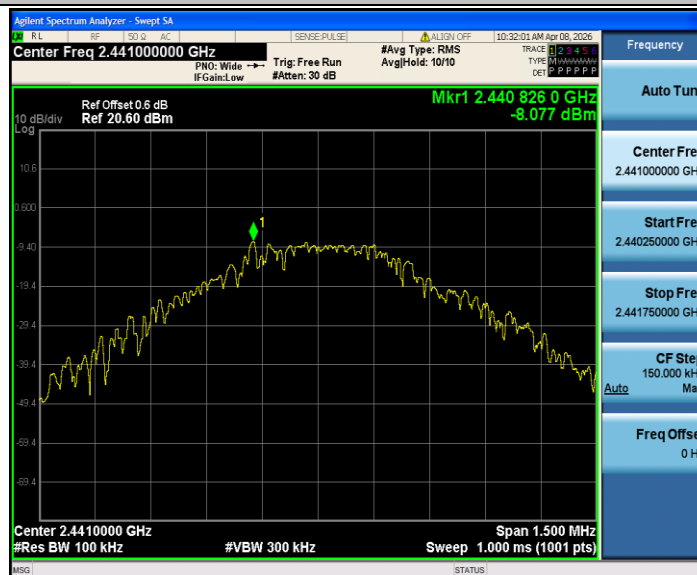
DH5_Ant1_2402_30~1000



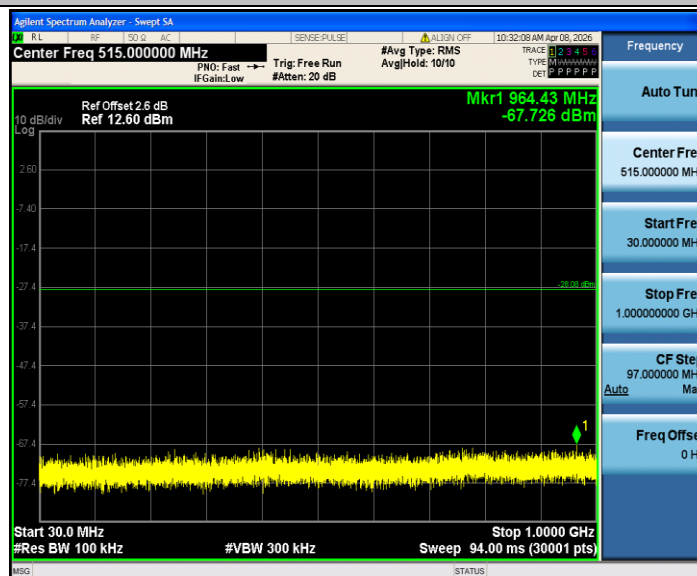
DH5_Ant1_2402_1000~26500



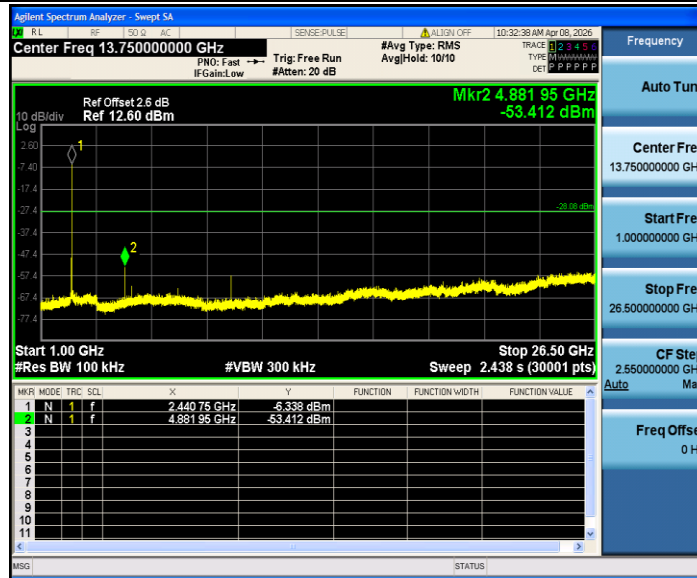
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



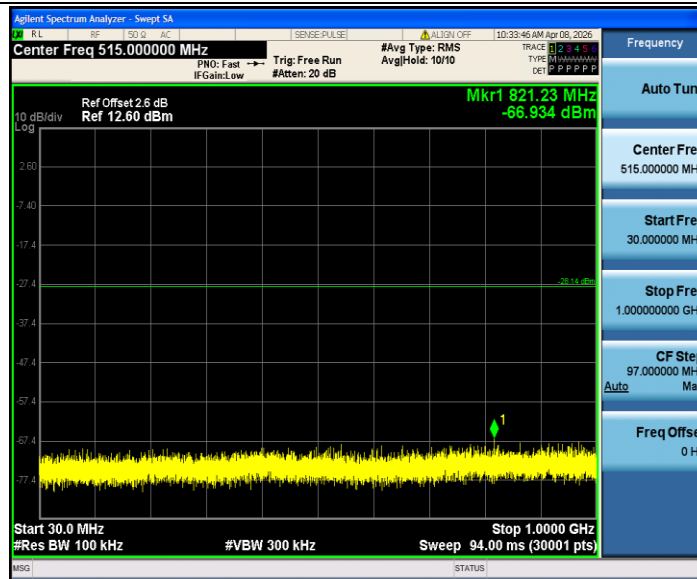
DH5_Ant1_2441_1000~26500



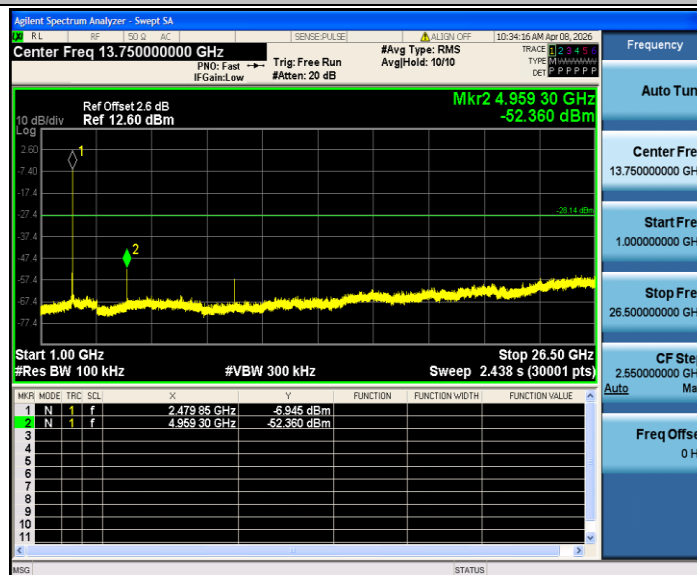
DH5_Ant1_2480_0~Reference



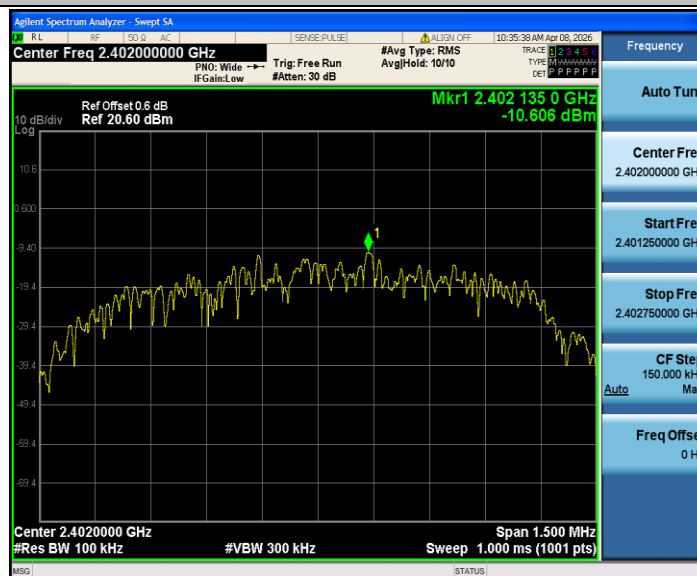
DH5_Ant1_2480_30~1000



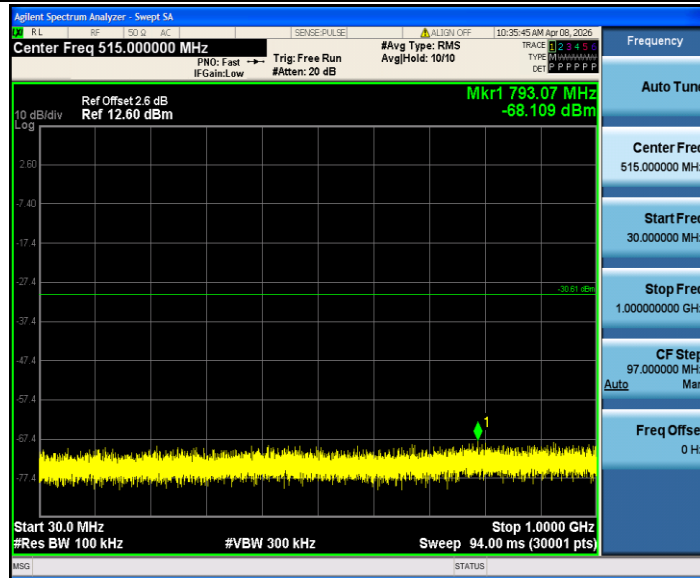
DH5_Ant1_2480_1000~26500



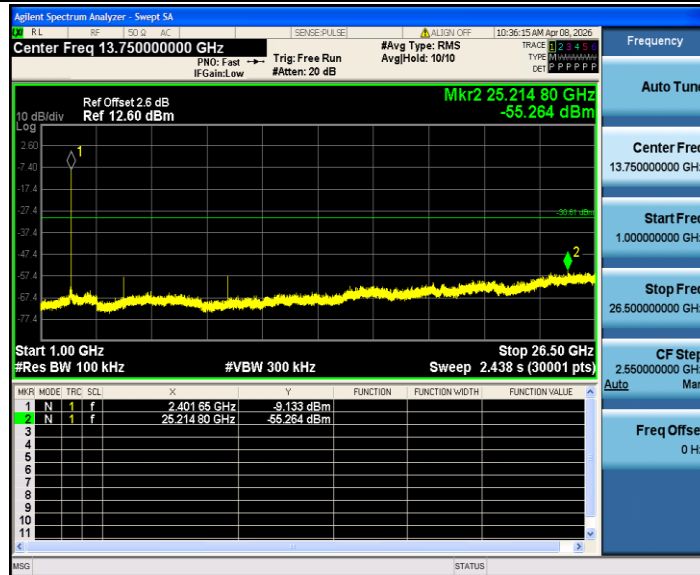
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



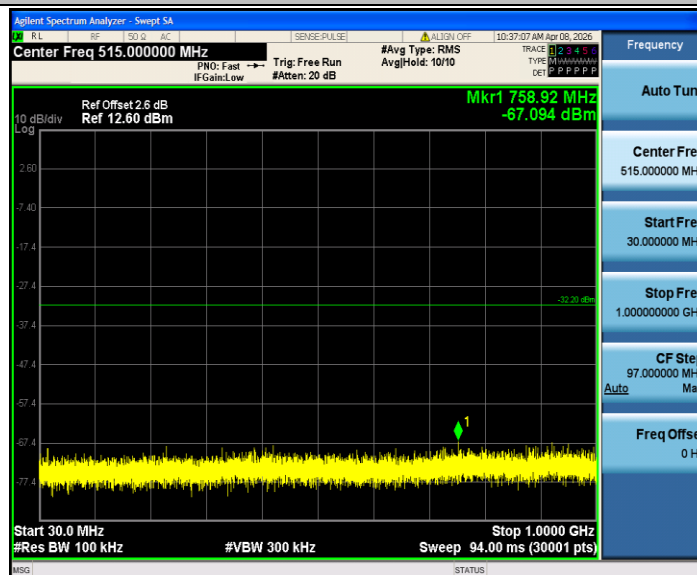
2DH5_Ant1_2402_1000~26500



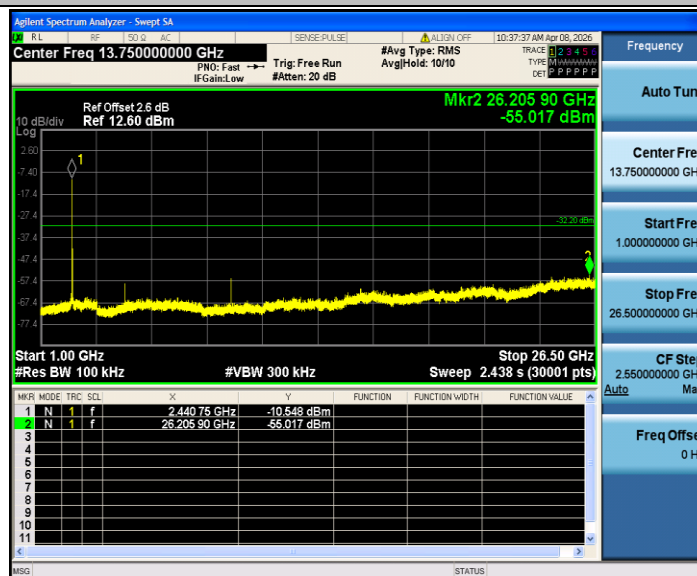
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



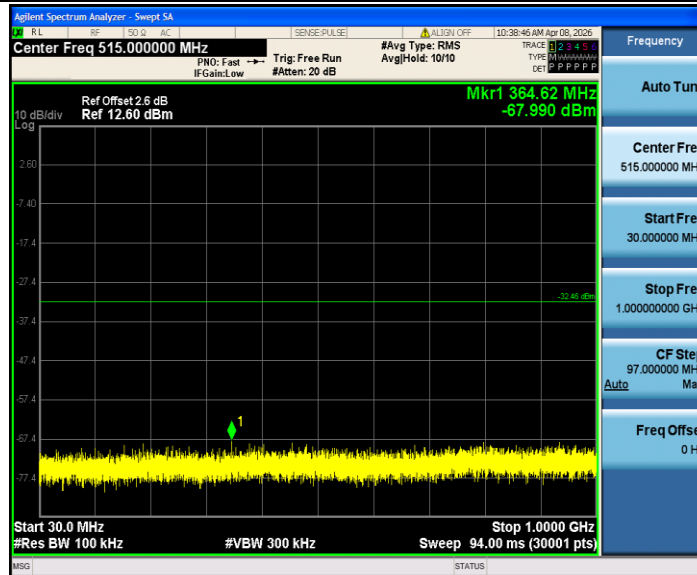
2DH5_Ant1_2441_1000~26500



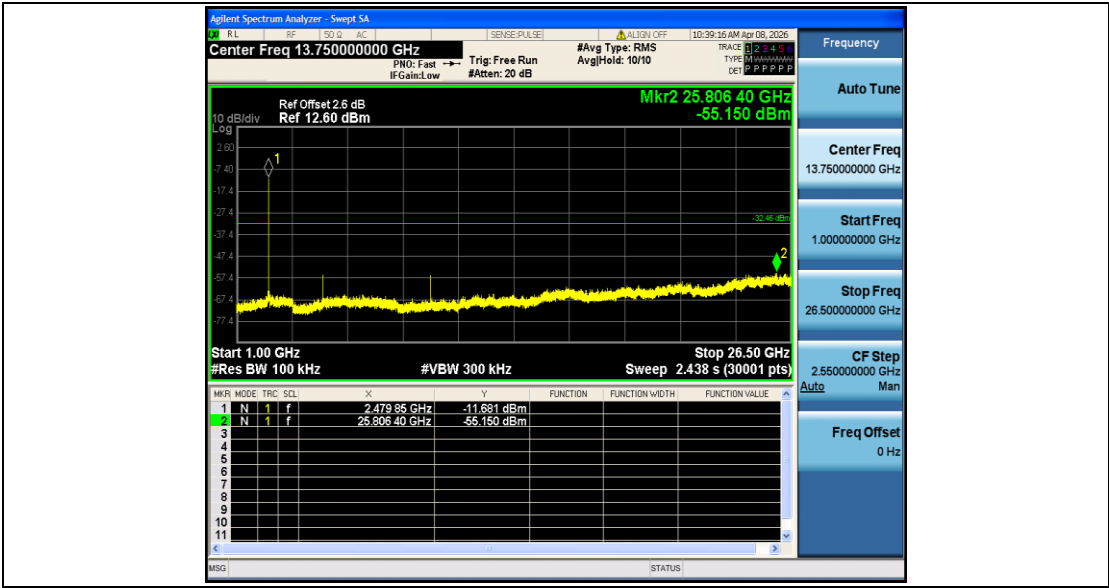
2DH5_Ant1_2480_0~Reference



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	3.74	77.81	1.09	---	---
2DH5	Ant1	2402	2.92	3.74	78.07	1.08	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---