

Appendix RF Test Data for BT

FCC ID : 2BRV5-GDC269-87

Company : Zhejiang New Lianyu Electronics Co., Ltd.

EUT : Instrument & multimedia dual screen

Model Number : GDC269-87-0052

Report No. : CTA25071600502

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	0.951	2401.550	2402.501	---	---
		2441	0.951	2440.544	2441.495	---	---
		2480	0.939	2479.550	2480.489	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.308	2440.358	2441.666	---	---
		2480	1.269	2479.391	2480.660	---	---
3DH5	Ant1	2402	1.305	2401.361	2402.666	---	---
		2441	1.302	2440.361	2441.663	---	---
		2480	1.311	2479.358	2480.669	---	---

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	0.86984	2401.5737	2402.4435	---	---
		2441	0.87158	2440.5711	2441.4427	---	---
		2480	0.87041	2479.5731	2480.4435	---	---
2DH5	Ant1	2402	1.1916	2401.4128	2402.6044	---	---
		2441	1.1886	2440.4148	2441.6034	---	---
		2480	1.1896	2479.4148	2480.6044	---	---
3DH5	Ant1	2402	1.1857	2401.4170	2402.6027	---	---
		2441	1.1878	2440.4157	2441.6035	---	---
		2480	1.1821	2479.4193	2480.6014	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



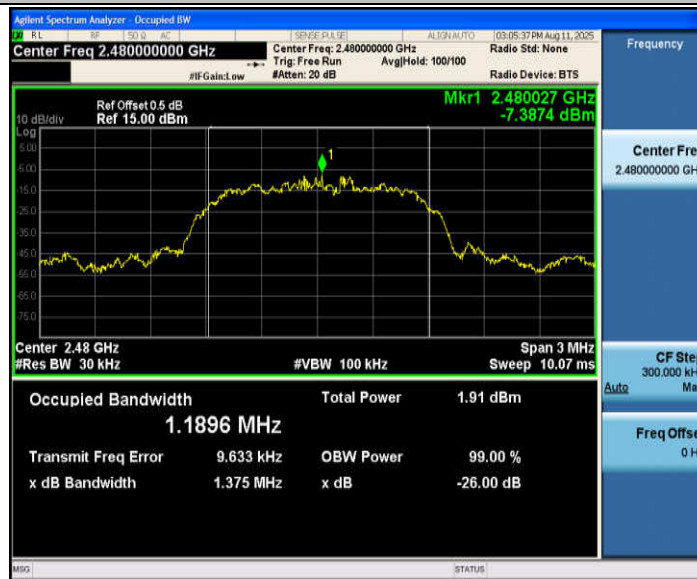
2DH5_Ant1_2402



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	0.03	≤20.97	PASS
		2441	-0.42	≤20.97	PASS
		2480	-0.65	≤20.97	PASS
2DH5	Ant1	2402	-0.84	≤20.97	PASS
		2441	-1.21	≤20.97	PASS
		2480	-1.46	≤20.97	PASS
3DH5	Ant1	2402	-0.40	≤20.97	PASS
		2441	-0.83	≤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	≥ 0.634	PASS
2DH5	Ant1	Hop	1.156	≥ 0.872	PASS
3DH5	Ant1	Hop	1.016	≥ 0.874	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

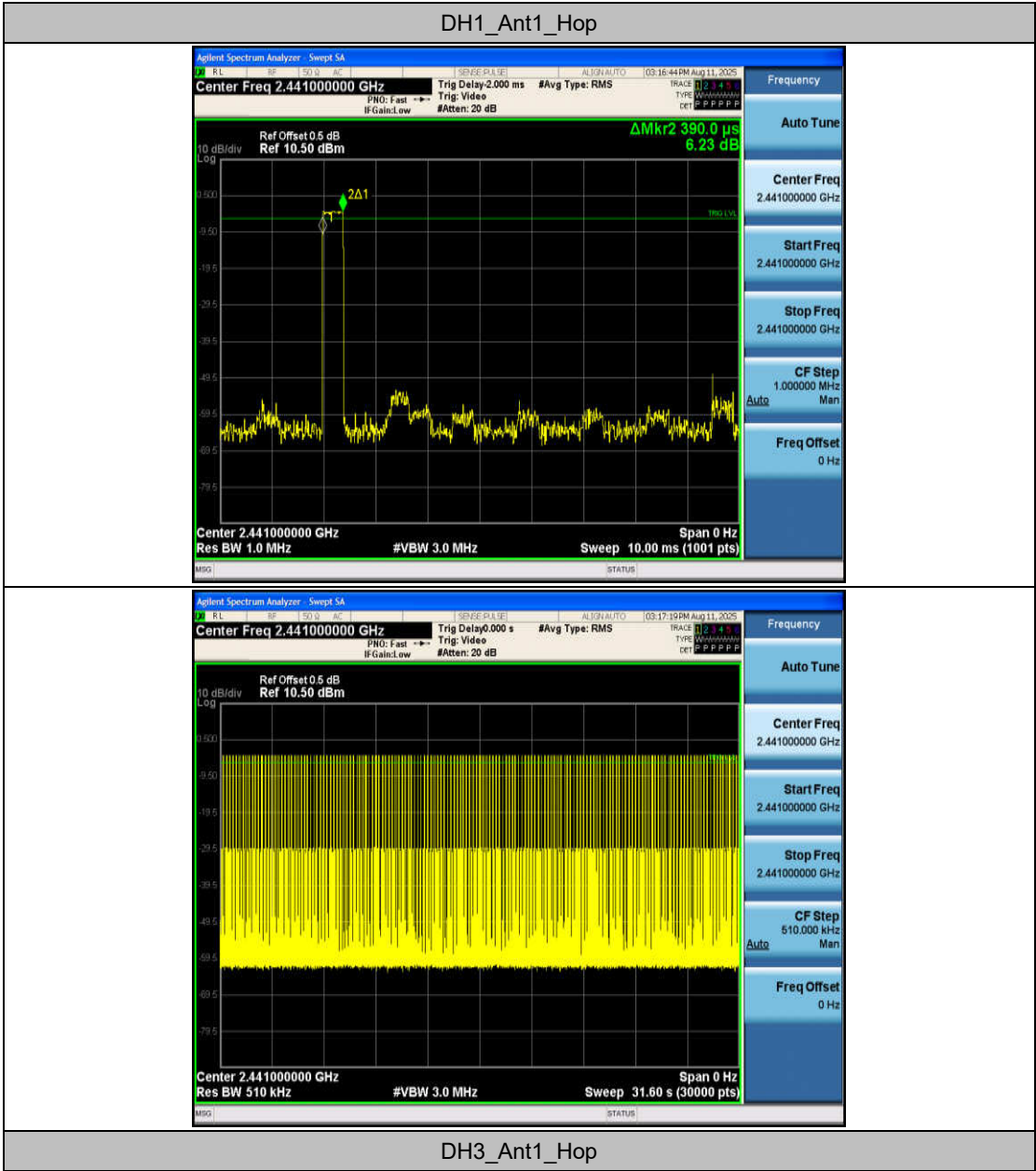


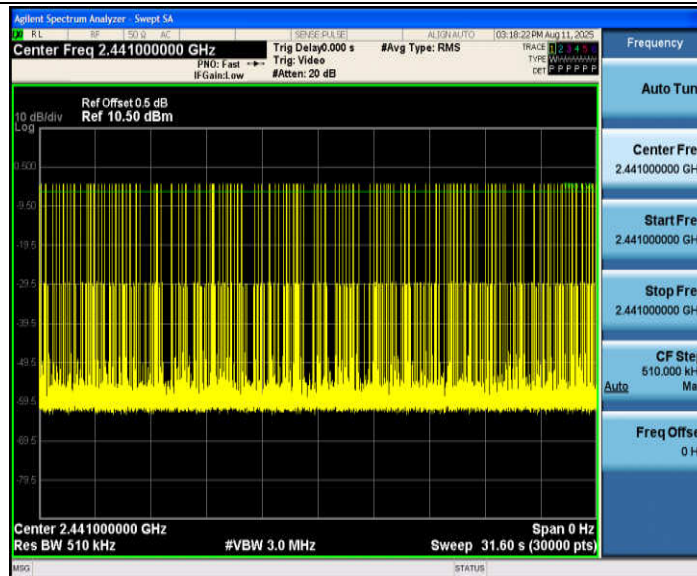
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	313	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.640	164	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.890	109	0.315	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.650	172	0.284	≤0.4	PASS
2DH5	Ant1	Hop	2.900	105	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.650	155	0.256	≤0.4	PASS
3DH5	Ant1	Hop	2.900	111	0.322	≤0.4	PASS

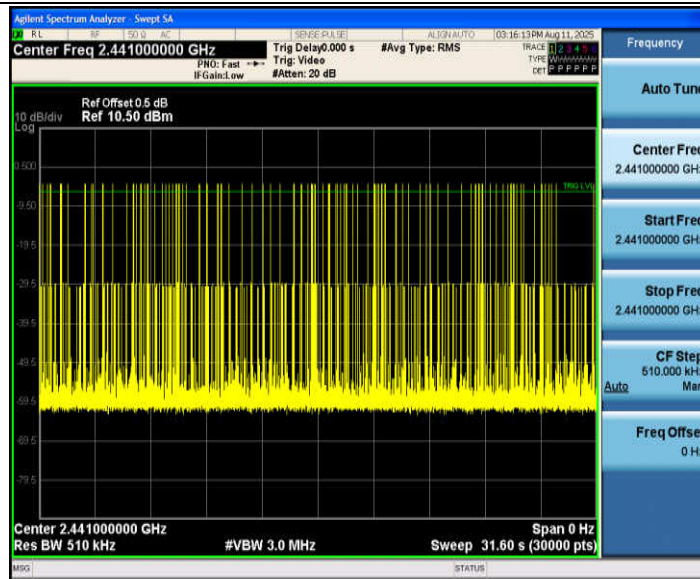
Test Graphs



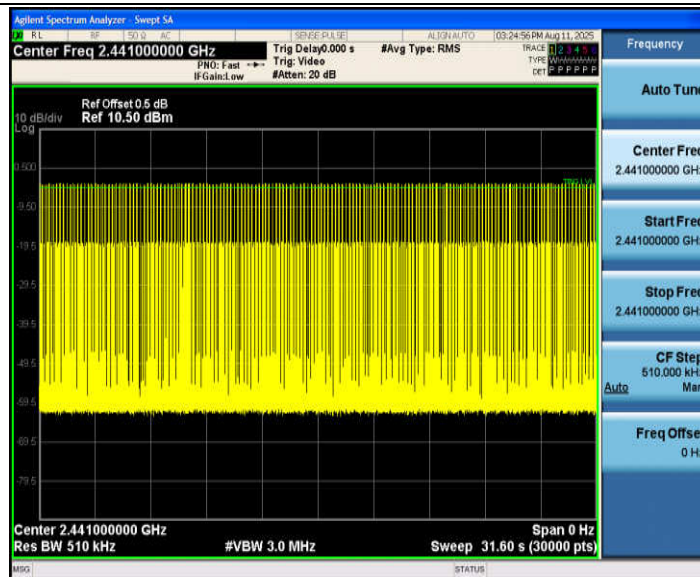
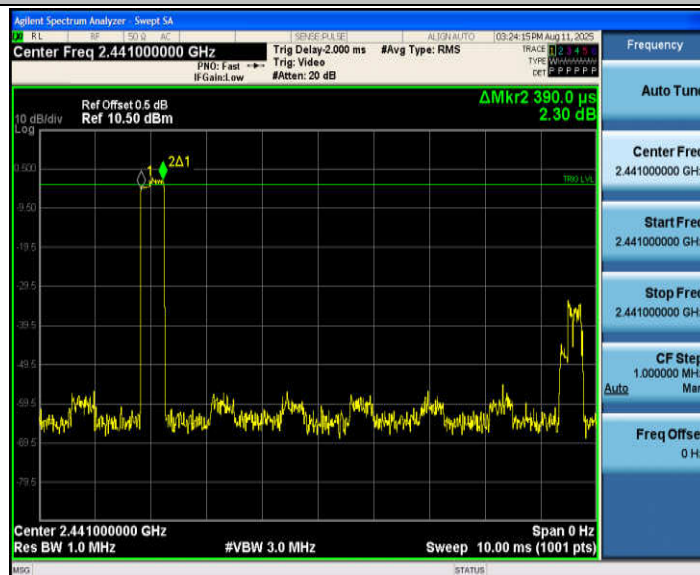


DH5_Ant1_Hop

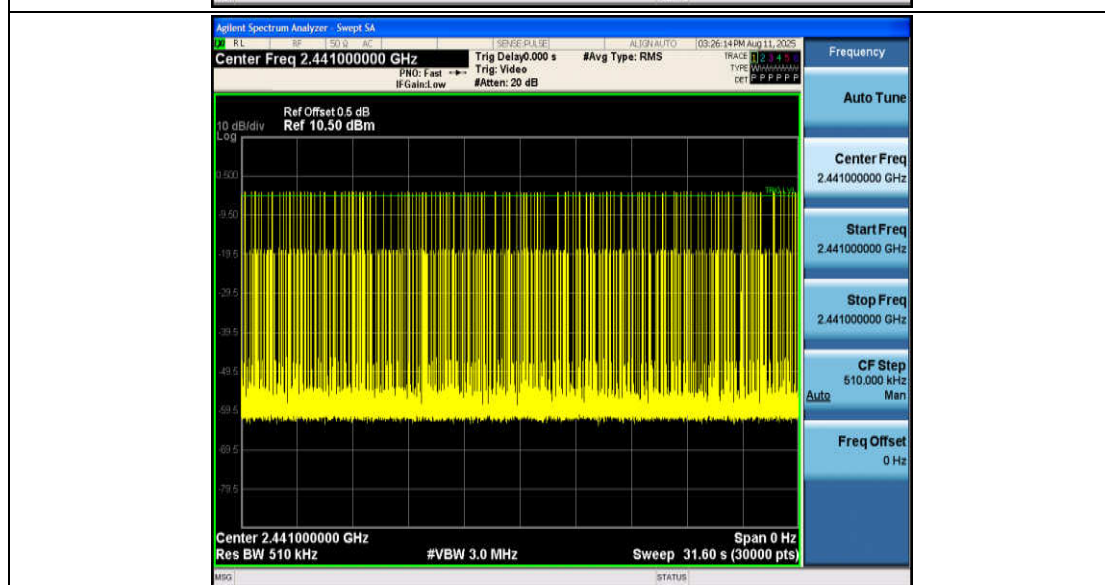




2DH1_Ant1_Hop

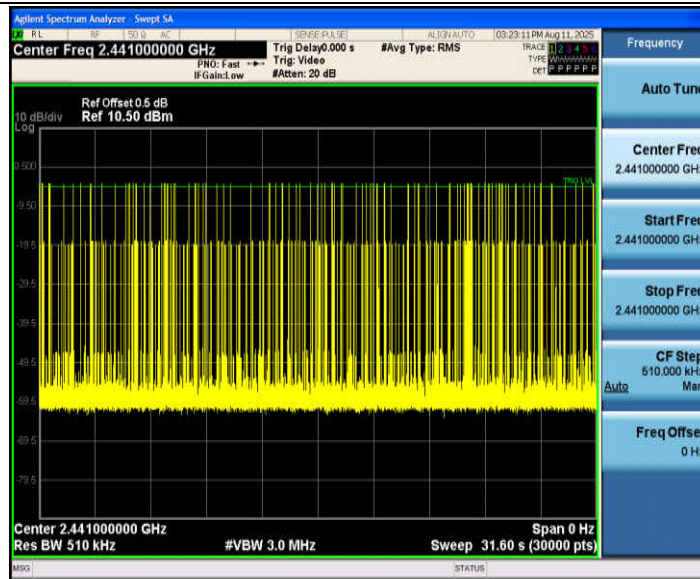


2DH3_Ant1_Hop

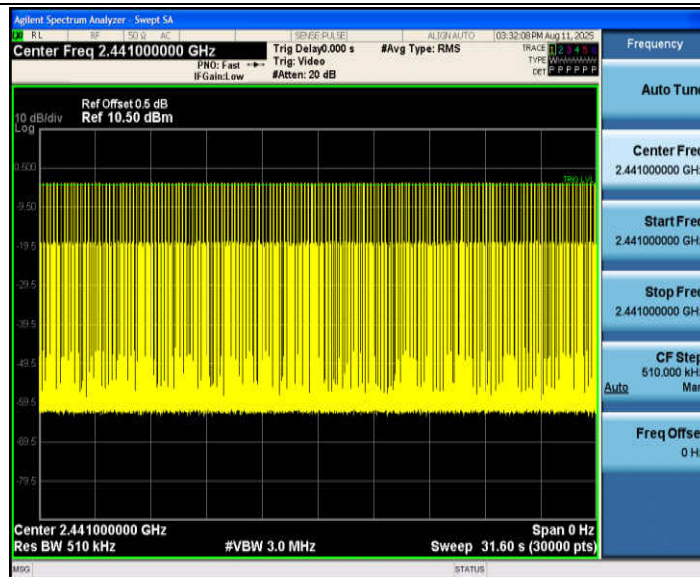
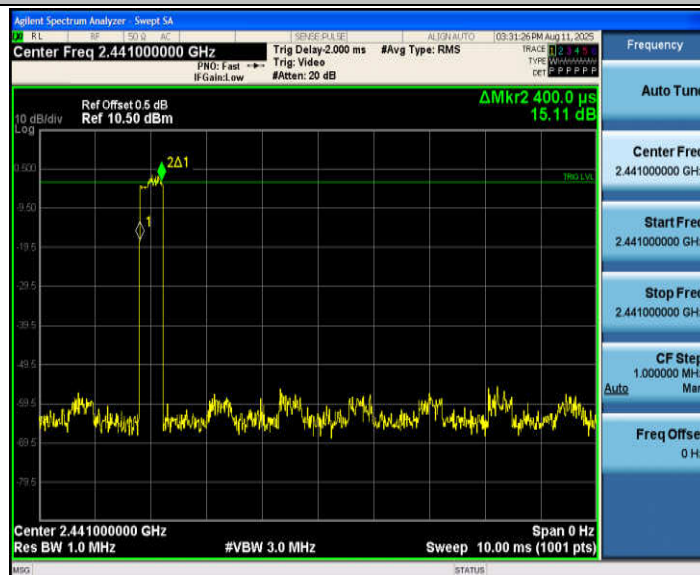


2DH5_Ant1_Hop

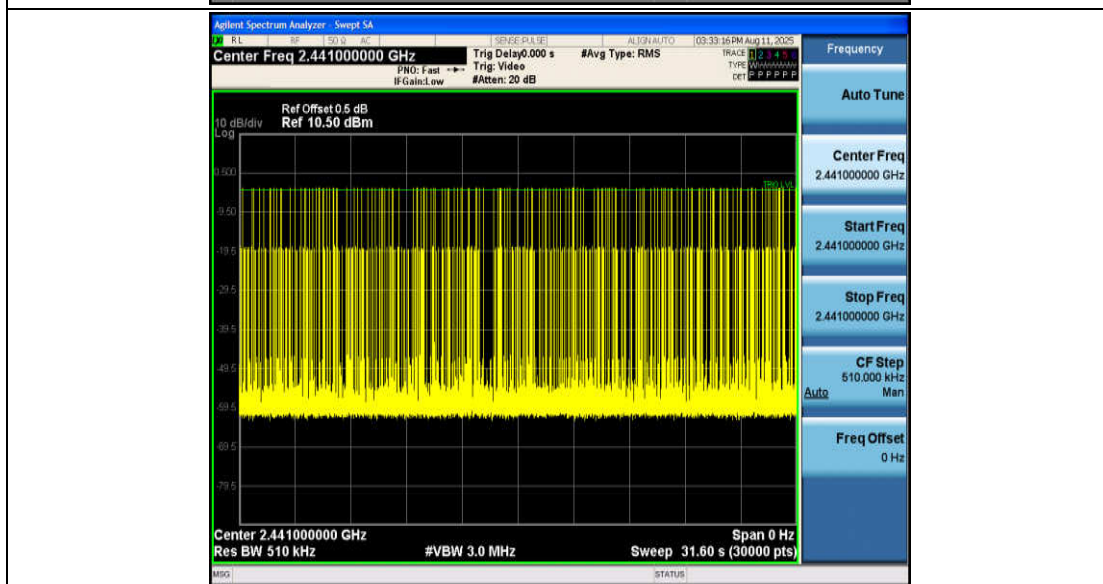




3DH1_Ant1_Hop

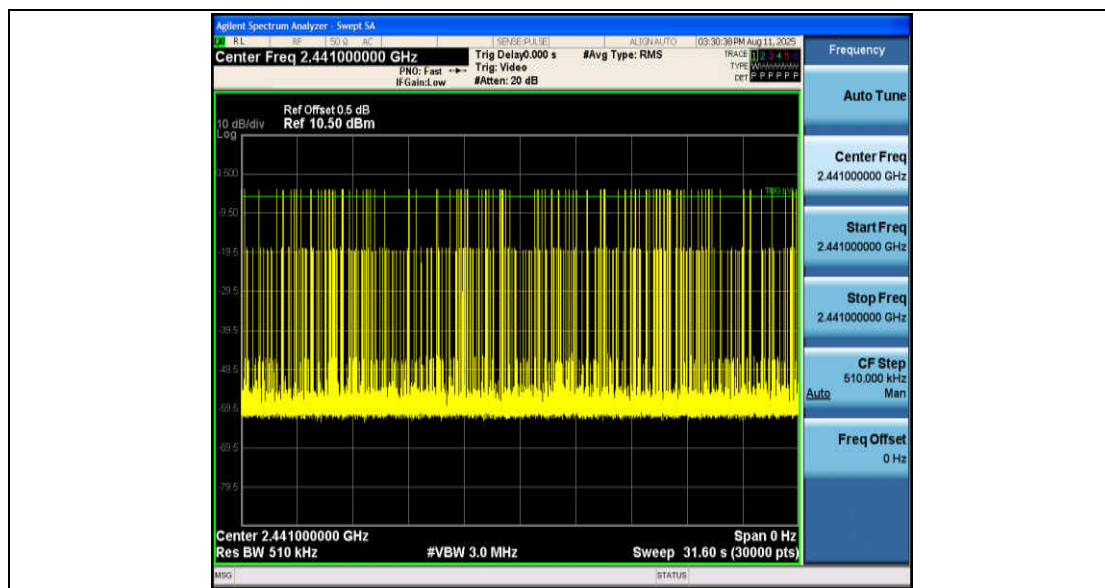


3DH3_Ant1_Hop



3DH5_Ant1_Hop





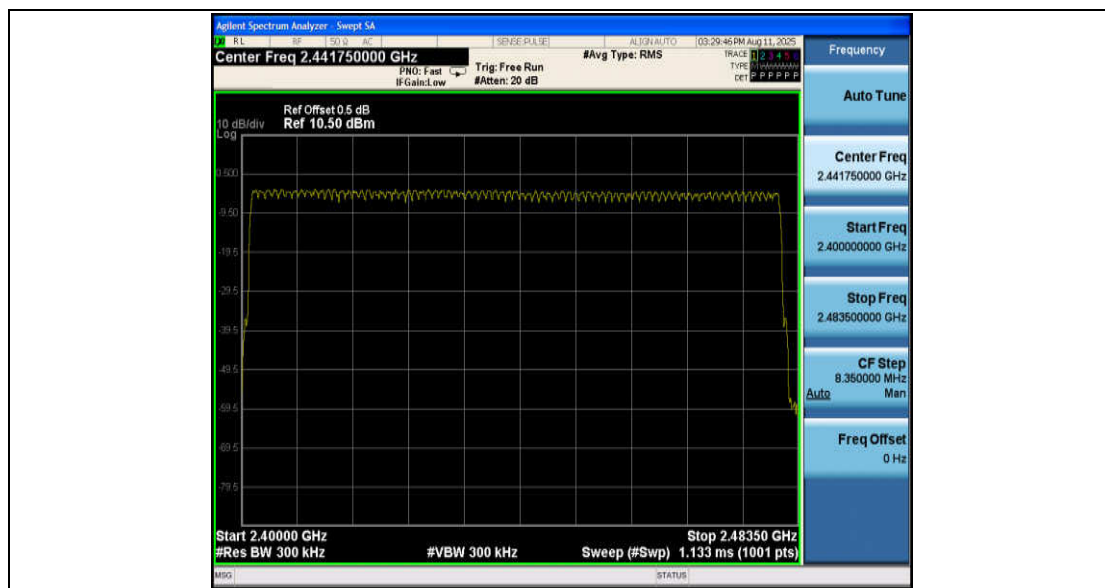
Appendix F: Number of hopping channels

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

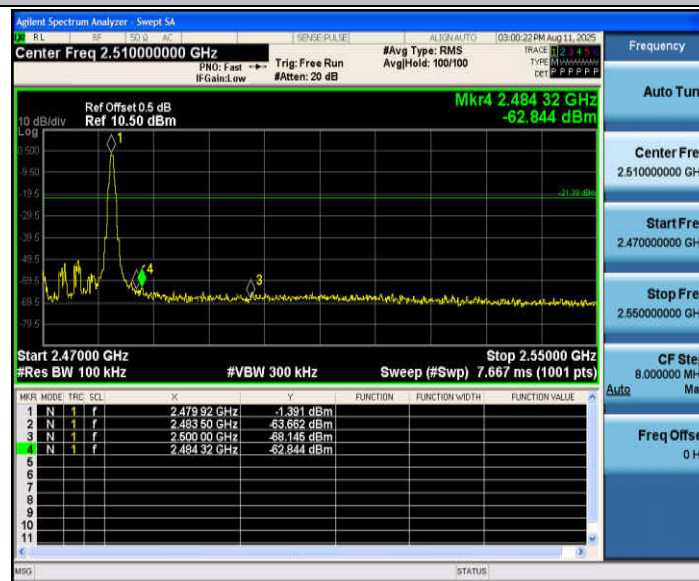
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.27	-60.46	≤-20.27	PASS
		High	2480	-1.39	-62.84	≤-21.39	PASS
		Low	Hop_2402	-5.23	-63.64	≤-25.23	PASS
		High	Hop_2480	-3.99	-62.79	≤-23.99	PASS
2DH5	Ant1	Low	2402	-5.31	-55.41	≤-25.31	PASS
		High	2480	-4.24	-63.15	≤-24.24	PASS
		Low	Hop_2402	-5.54	-56.09	≤-25.54	PASS
		High	Hop_2480	-5.30	-65.3	≤-25.3	PASS
3DH5	Ant1	Low	2402	-4.23	-60.33	≤-24.23	PASS
		High	2480	-4.20	-64.17	≤-24.2	PASS
		Low	Hop_2402	-6.70	-55.51	≤-26.7	PASS
		High	Hop_2480	-4.16	-64.17	≤-24.16	PASS

Test Graphs

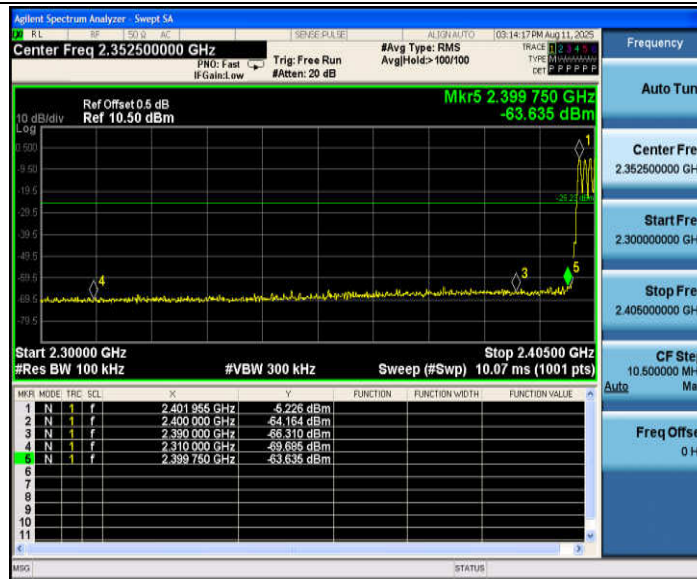
DH5_Ant1_Low_2402



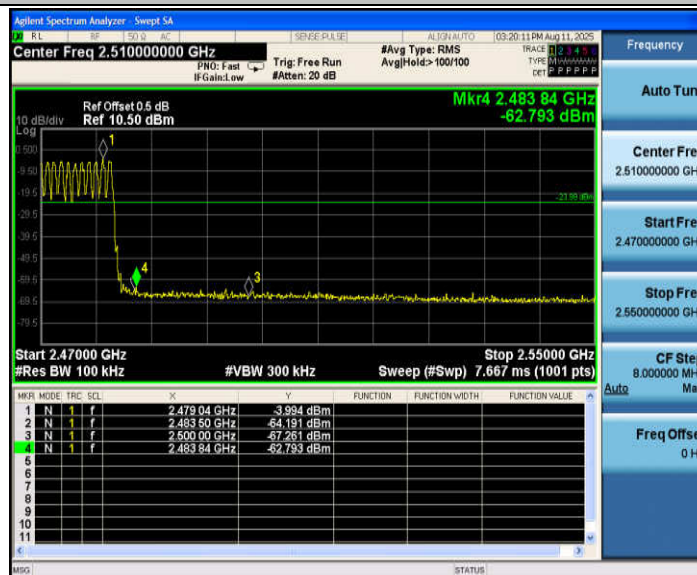
DH5_Ant1_High_2480



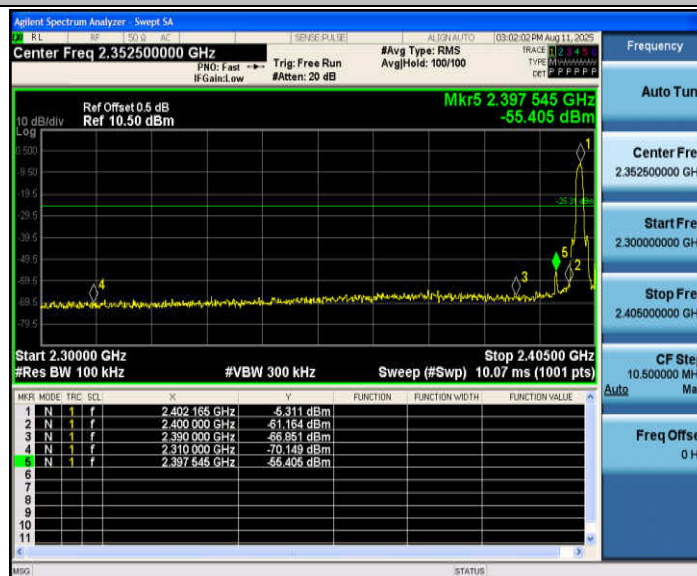
DH5_Ant1_Low_Hop_2402



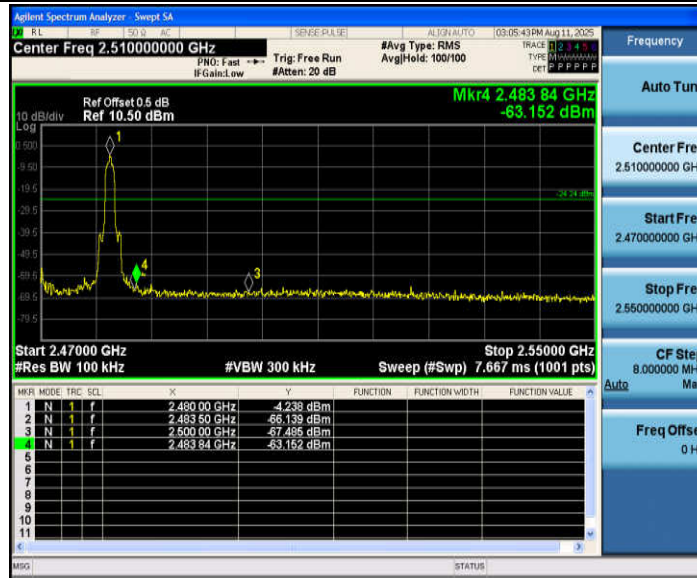
DH5_Ant1_High_Hop_2480



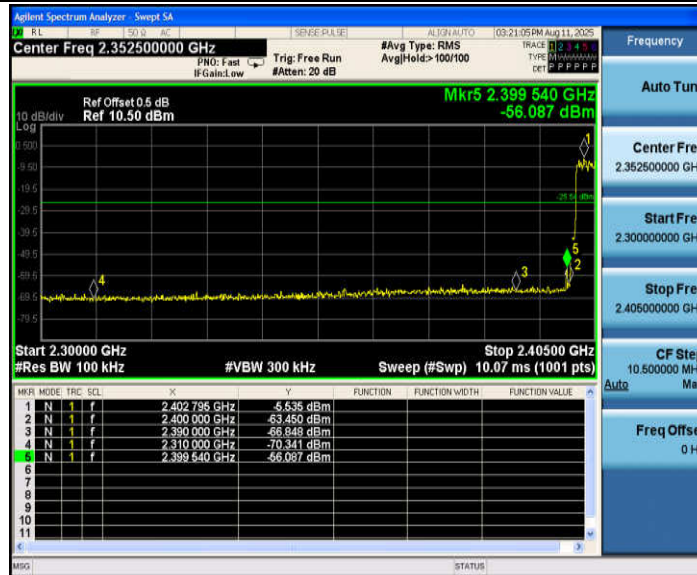
2DH5_Ant1_Low_2402



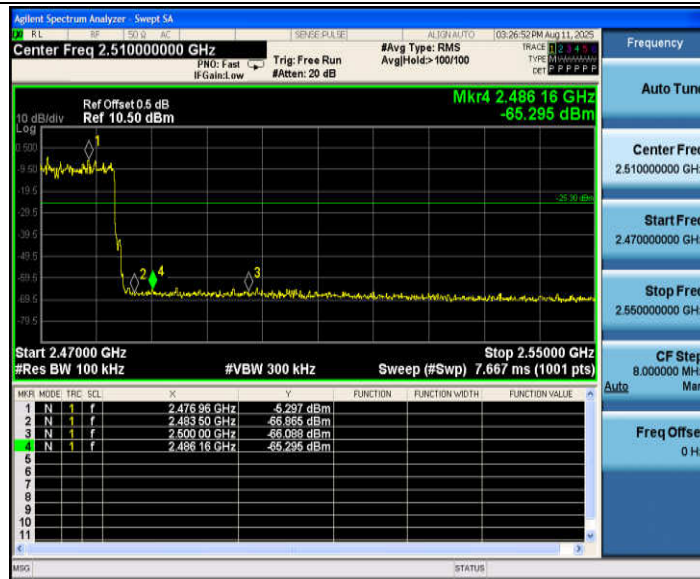
2DH5_Ant1_High_2480



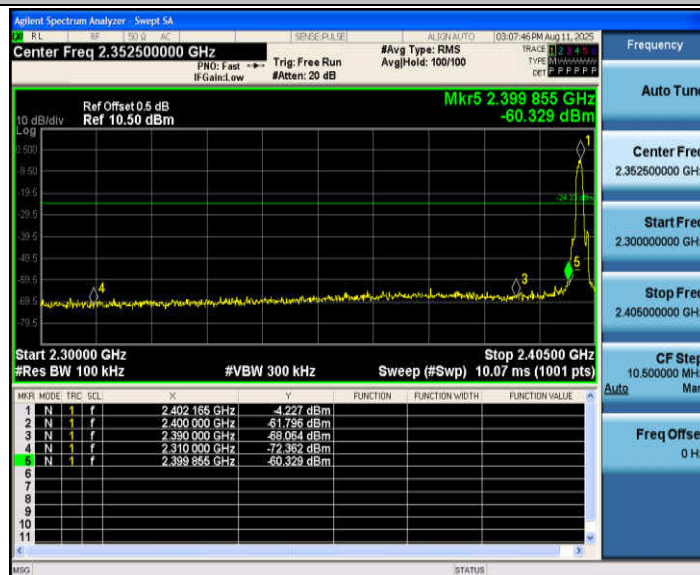
2DH5_Ant1_Low_Hop_2402



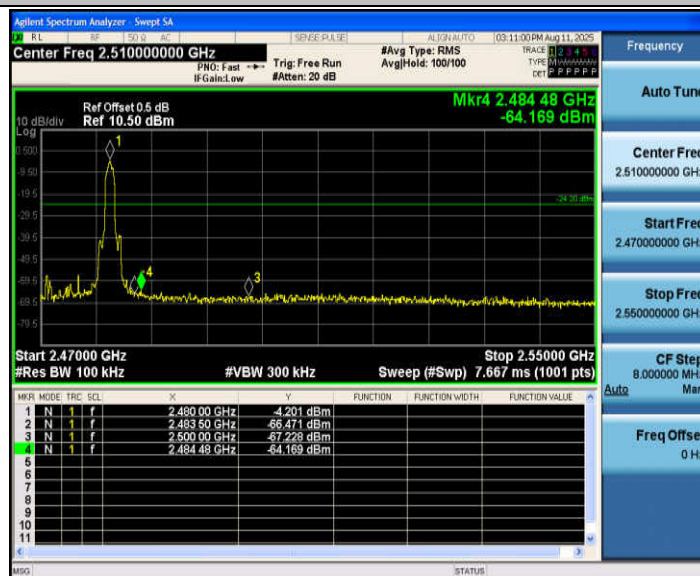
2DH5_Ant1_High_Hop_2480



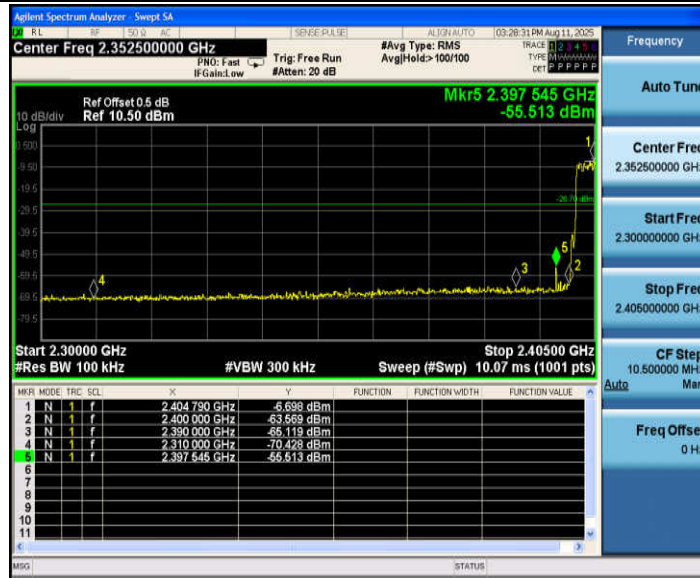
3DH5_Ant1_Low_2402



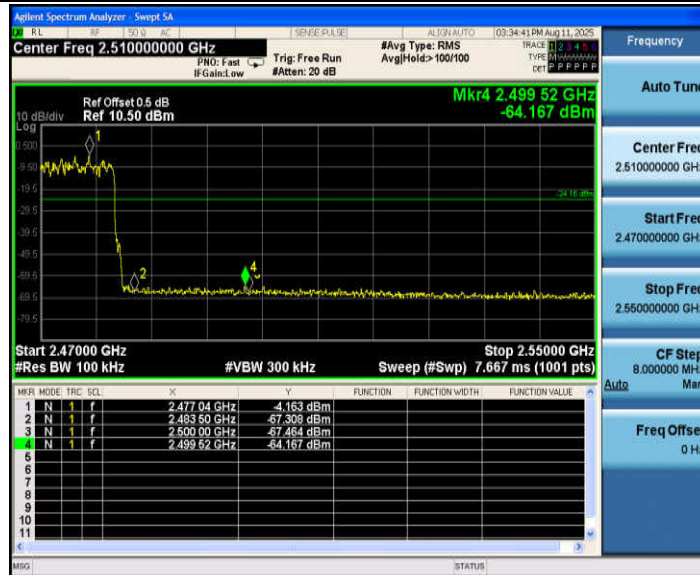
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

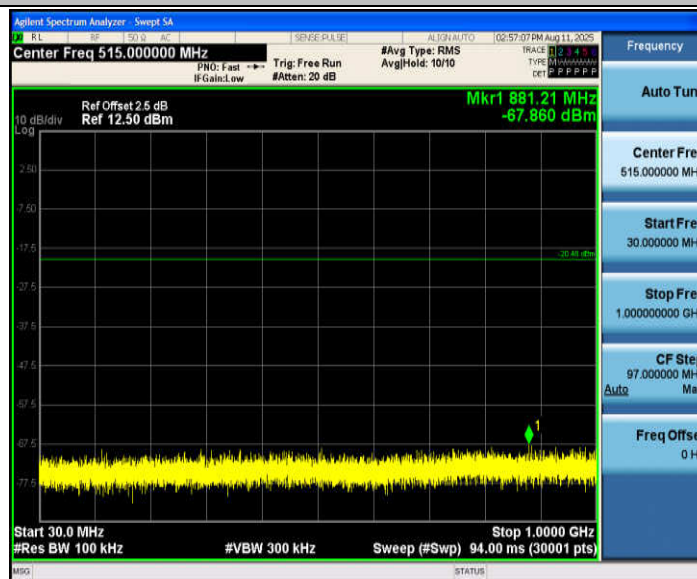
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-67.86	≤-20.48	PASS
			1000~26500	-0.48	-45.14	≤-20.48	PASS
		2441	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-66.77	≤-20.65	PASS
			1000~26500	-0.65	-42.92	≤-20.65	PASS
		2480	Reference	-1.37	-1.37	---	PASS
			30~1000	-1.37	-67.59	≤-21.37	PASS
			1000~26500	-1.37	-42.04	≤-21.37	PASS
2DH5	Ant1	2402	Reference	-5.68	-5.68	---	PASS
			30~1000	-5.68	-67.46	≤-25.68	PASS
			1000~26500	-5.68	-49.22	≤-25.68	PASS
		2441	Reference	-4.05	-4.05	---	PASS
			30~1000	-4.05	-67.23	≤-24.05	PASS
			1000~26500	-4.05	-50.36	≤-24.05	PASS
		2480	Reference	-4.97	-4.97	---	PASS
			30~1000	-4.97	-68.15	≤-24.97	PASS
			1000~26500	-4.97	-48.76	≤-24.97	PASS
3DH5	Ant1	2402	Reference	-6.44	-6.44	---	PASS
			30~1000	-6.44	-67.74	≤-26.44	PASS
			1000~26500	-6.44	-48.88	≤-26.44	PASS
		2441	Reference	-6.60	-6.60	---	PASS
			30~1000	-6.60	-67.84	≤-26.6	PASS
			1000~26500	-6.60	-50.05	≤-26.6	PASS
		2480	Reference	-4.18	-4.18	---	PASS
			30~1000	-4.18	-67.84	≤-24.18	PASS
			1000~26500	-4.18	-48.07	≤-24.18	PASS

Test Graphs

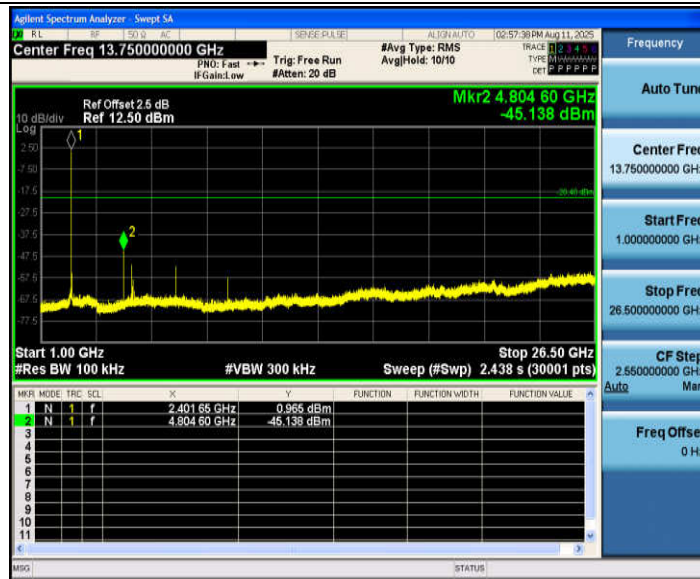
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



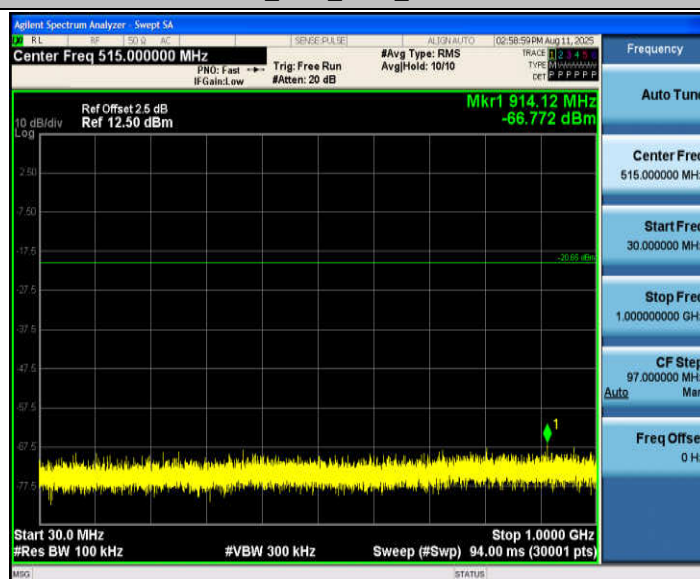
DH5_Ant1_2402_1000~26500



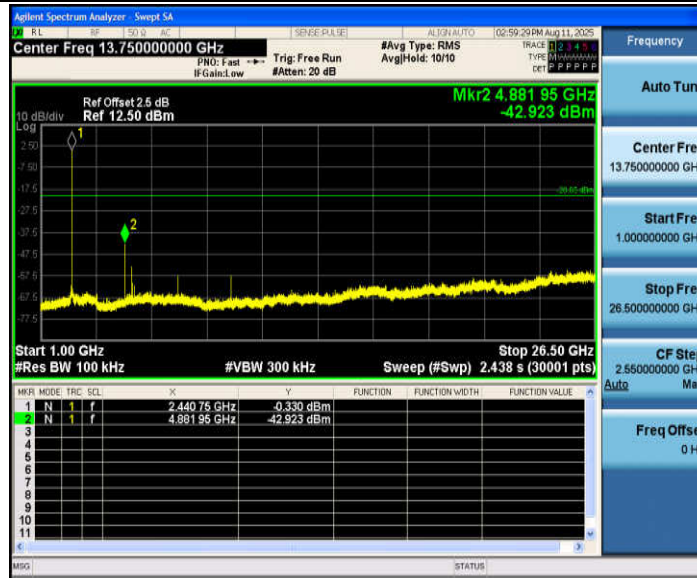
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



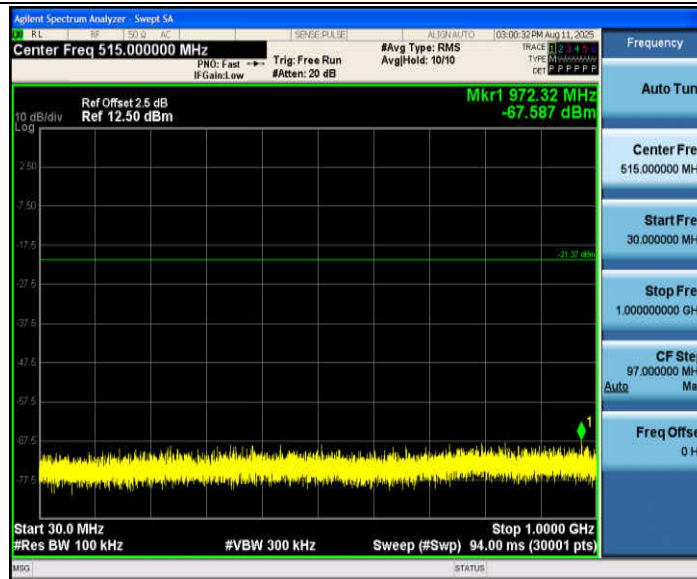
DH5_Ant1_2441_1000~26500



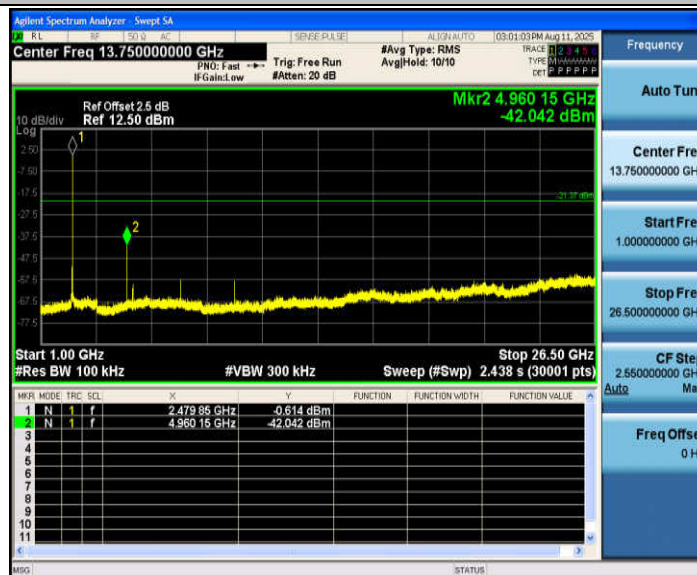
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



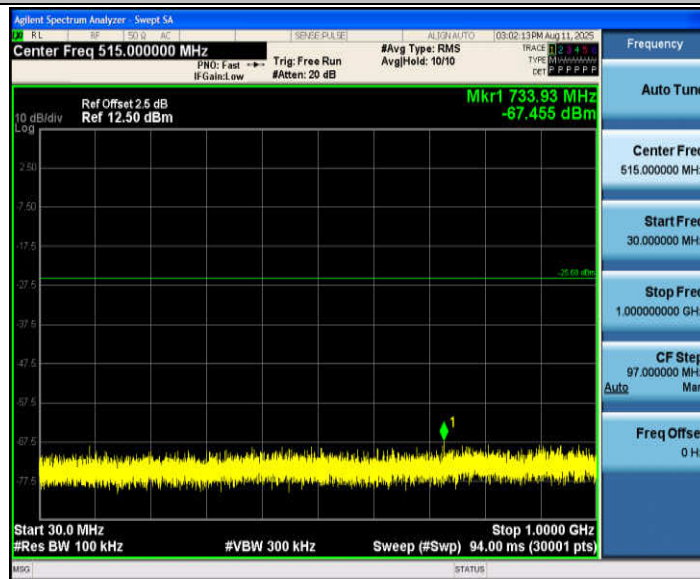
DH5_Ant1_2480_1000~26500



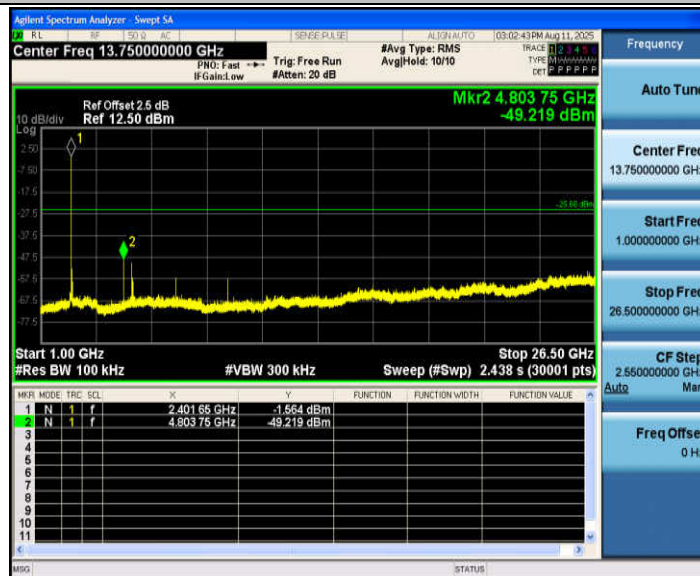
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



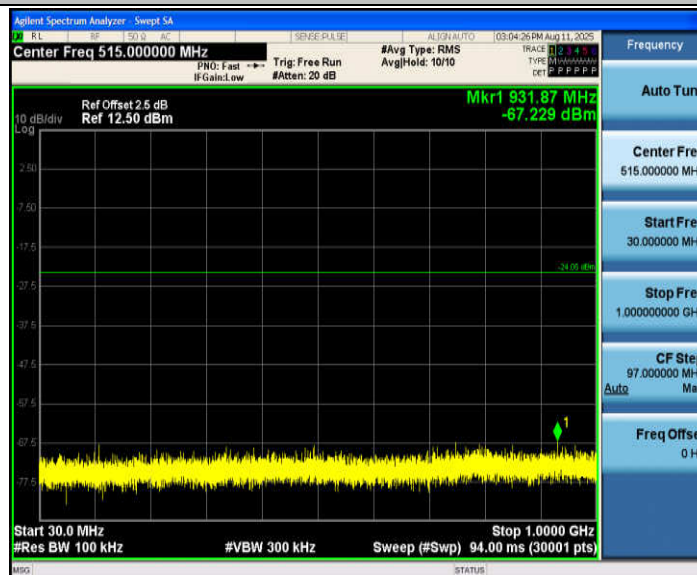
2DH5_Ant1_2402_1000~26500



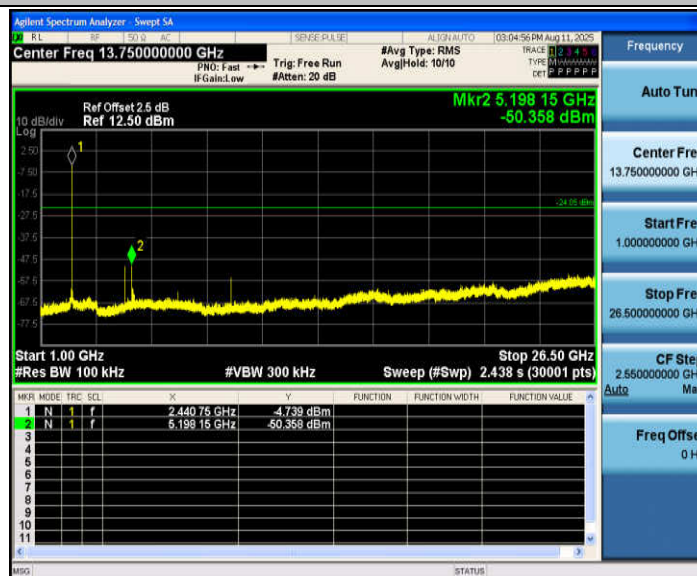
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



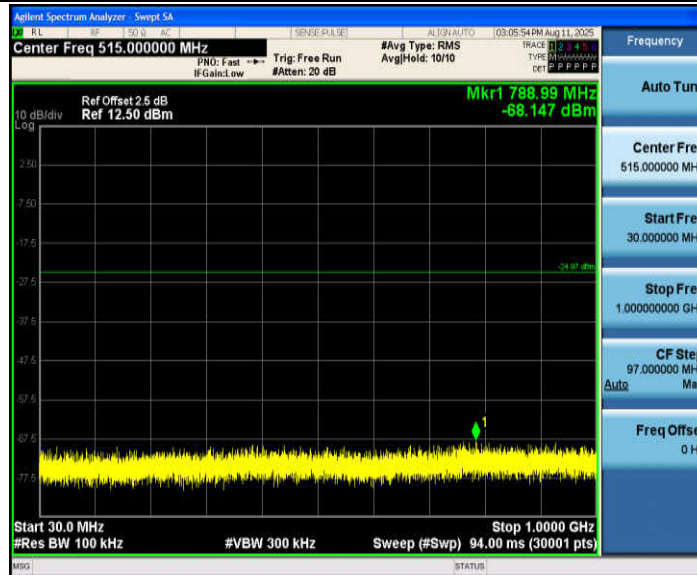
2DH5_Ant1_2441_1000~26500



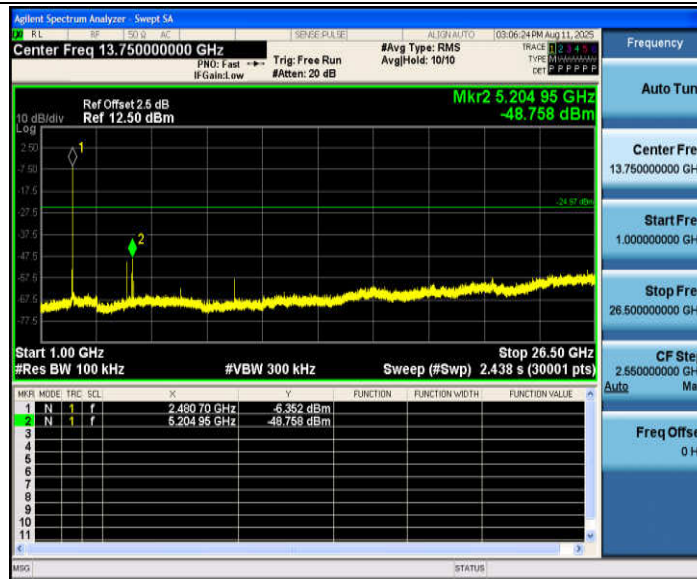
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



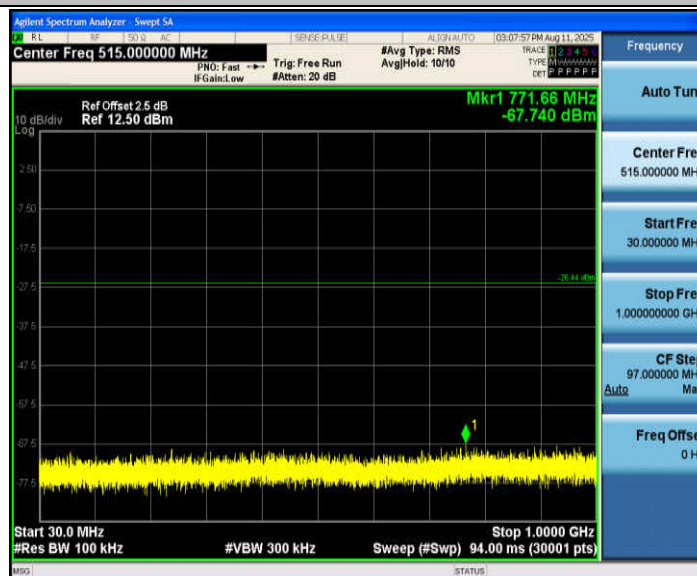
2DH5_Ant1_2480_1000~26500



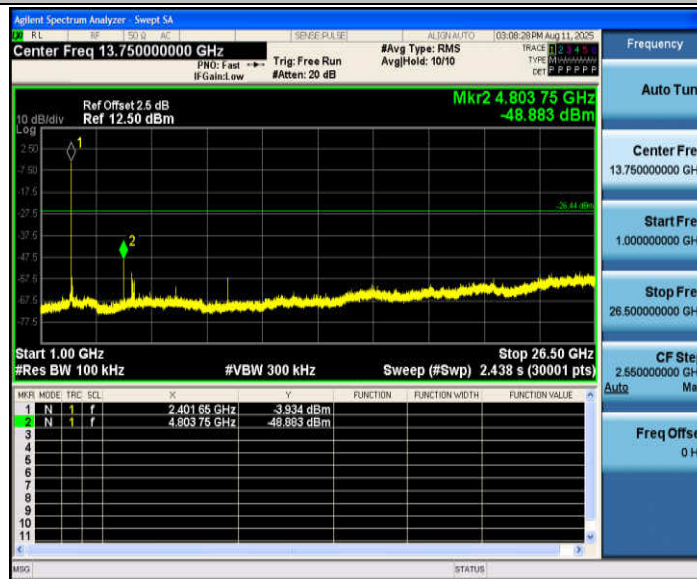
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



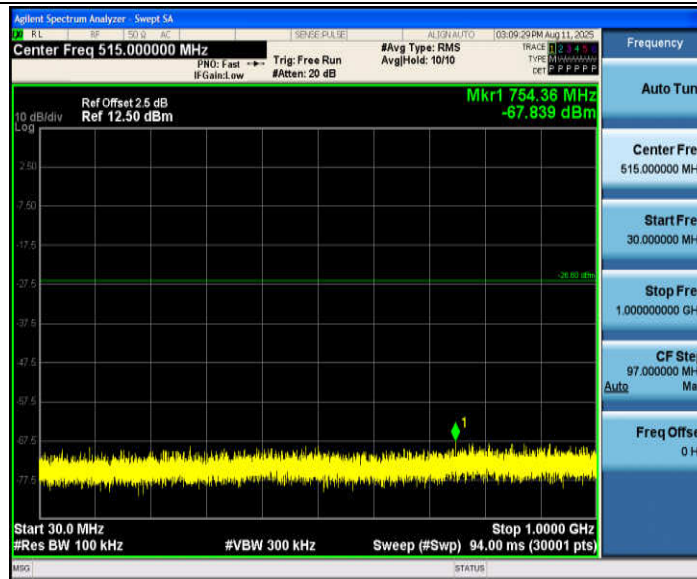
3DH5_Ant1_2402_1000~26500



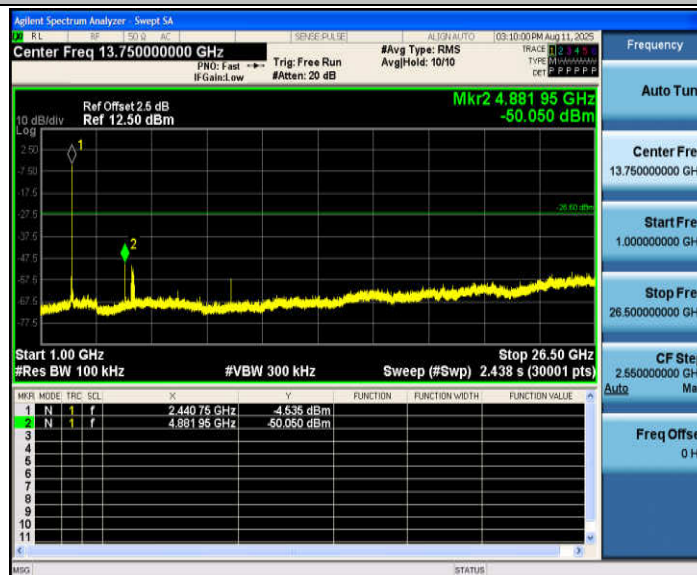
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



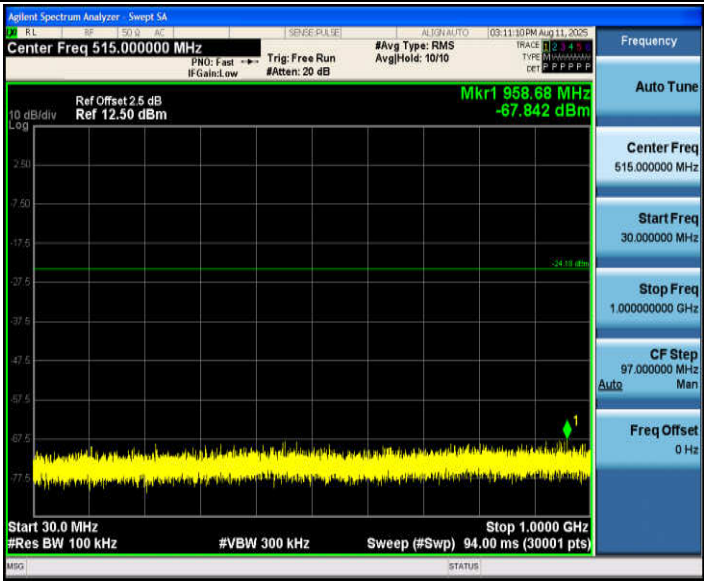
3DH5_Ant1_2441_1000~26500



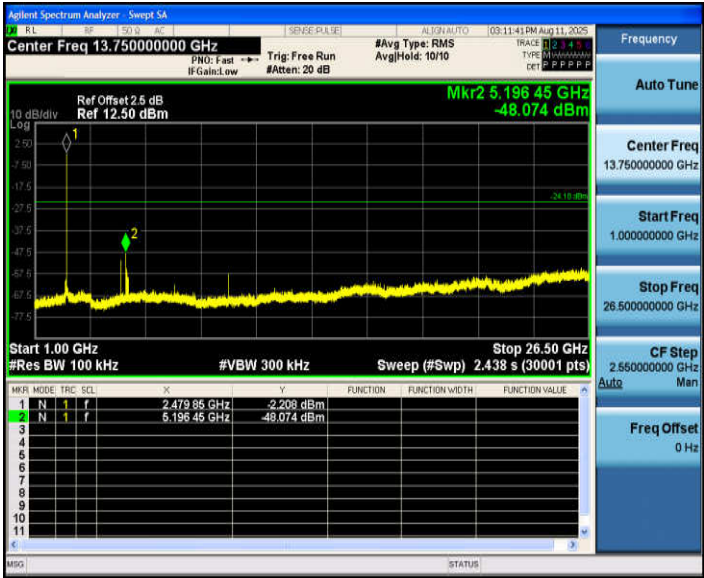
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

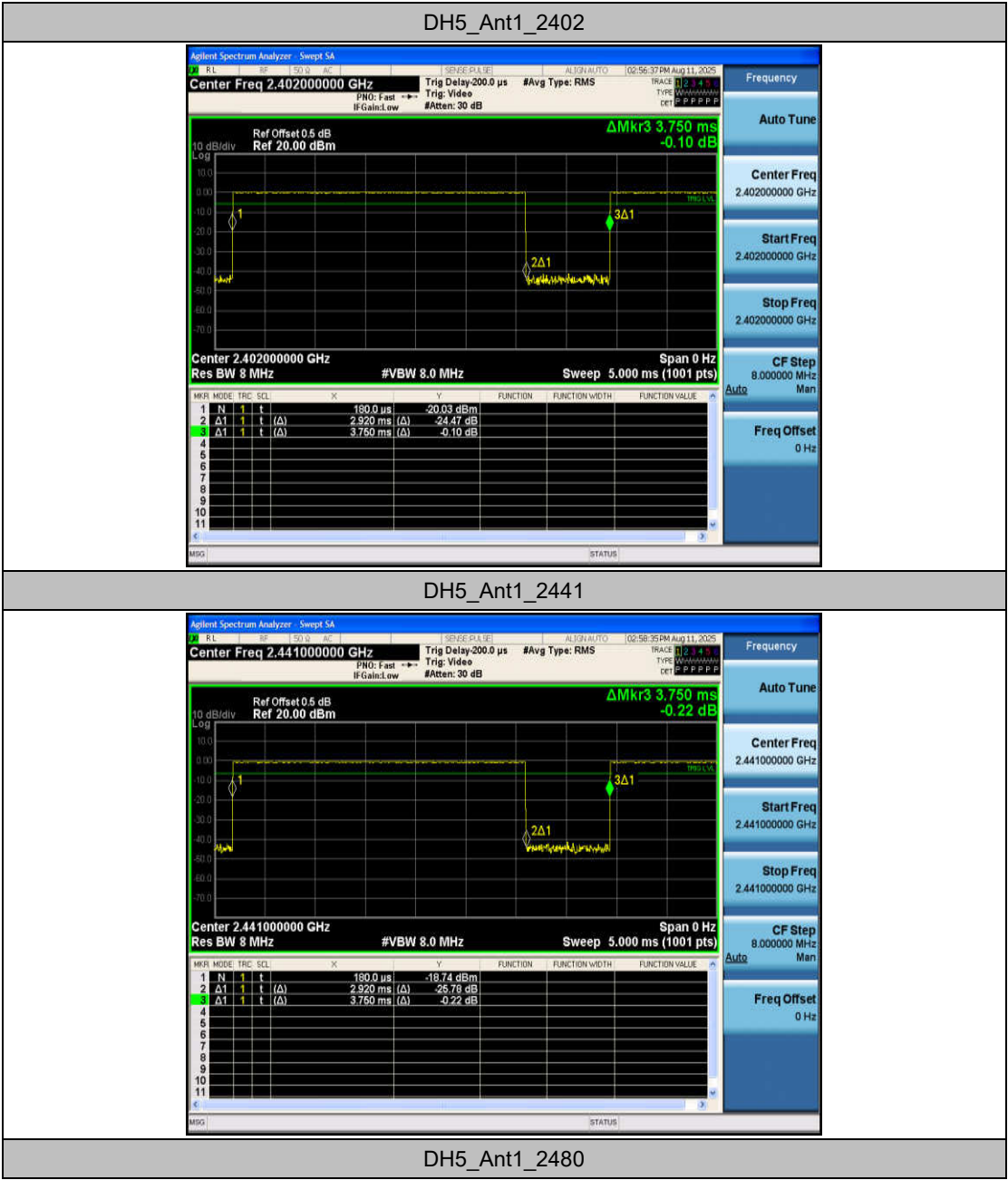


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---
2DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---
3DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.91	3.75	77.60	1.10	---	---

Test Graphs

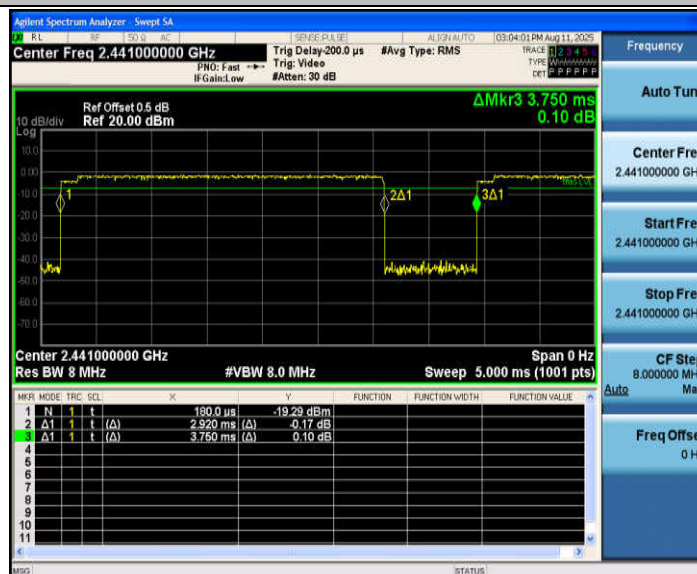




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

