

Appendix RF Test Data for BT

FCC ID : 2A8W5-S7MAX

Company : BAODE INTERNATIONAL LIMITED

EUT : Smart Media Player

Model Number : S7 Max

Report No. : CTA25080501102

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	0.954	2401.550	2402.504	---	---
		2441	0.957	2440.544	2441.501	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH5	Ant1	2402	1.320	2401.346	2402.666	---	---
		2441	1.275	2440.382	2441.657	---	---
		2480	1.278	2479.379	2480.657	---	---
3DH5	Ant1	2402	1.260	2401.373	2402.633	---	---
		2441	1.293	2440.367	2441.660	---	---
		2480	1.266	2479.367	2480.633	---	---

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	0.87481	2401.5724	2402.4472	---	---
		2441	0.86626	2440.5748	2441.4410	---	---
		2480	0.86529	2479.5776	2480.4429	---	---
2DH5	Ant1	2402	1.1858	2401.4164	2402.6022	---	---
		2441	1.1880	2440.4161	2441.6041	---	---
		2480	1.1949	2479.4142	2480.6091	---	---
3DH5	Ant1	2402	1.1850	2401.4169	2402.6019	---	---
		2441	1.1830	2440.4179	2441.6009	---	---
		2480	1.1887	2479.4166	2480.6053	---	---

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	-0.11	≤20.97	PASS
		2441	-0.34	≤20.97	PASS
		2480	-0.43	≤20.97	PASS
2DH5	Ant1	2402	-0.88	≤20.97	PASS
		2441	-1.18	≤20.97	PASS
		2480	-1.25	≤20.97	PASS
3DH5	Ant1	2402	-0.55	≤20.97	PASS
		2441	-0.74	≤20.97	PASS
		2480	-0.87	≤20.97	PASS

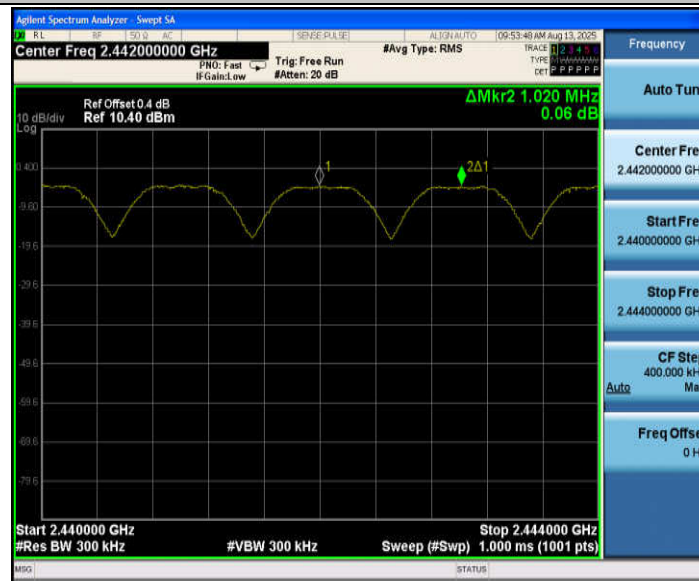
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.957	PASS
2DH5	Ant1	Hop	1.02	≥ 0.880	PASS
3DH5	Ant1	Hop	1.076	≥ 0.862	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

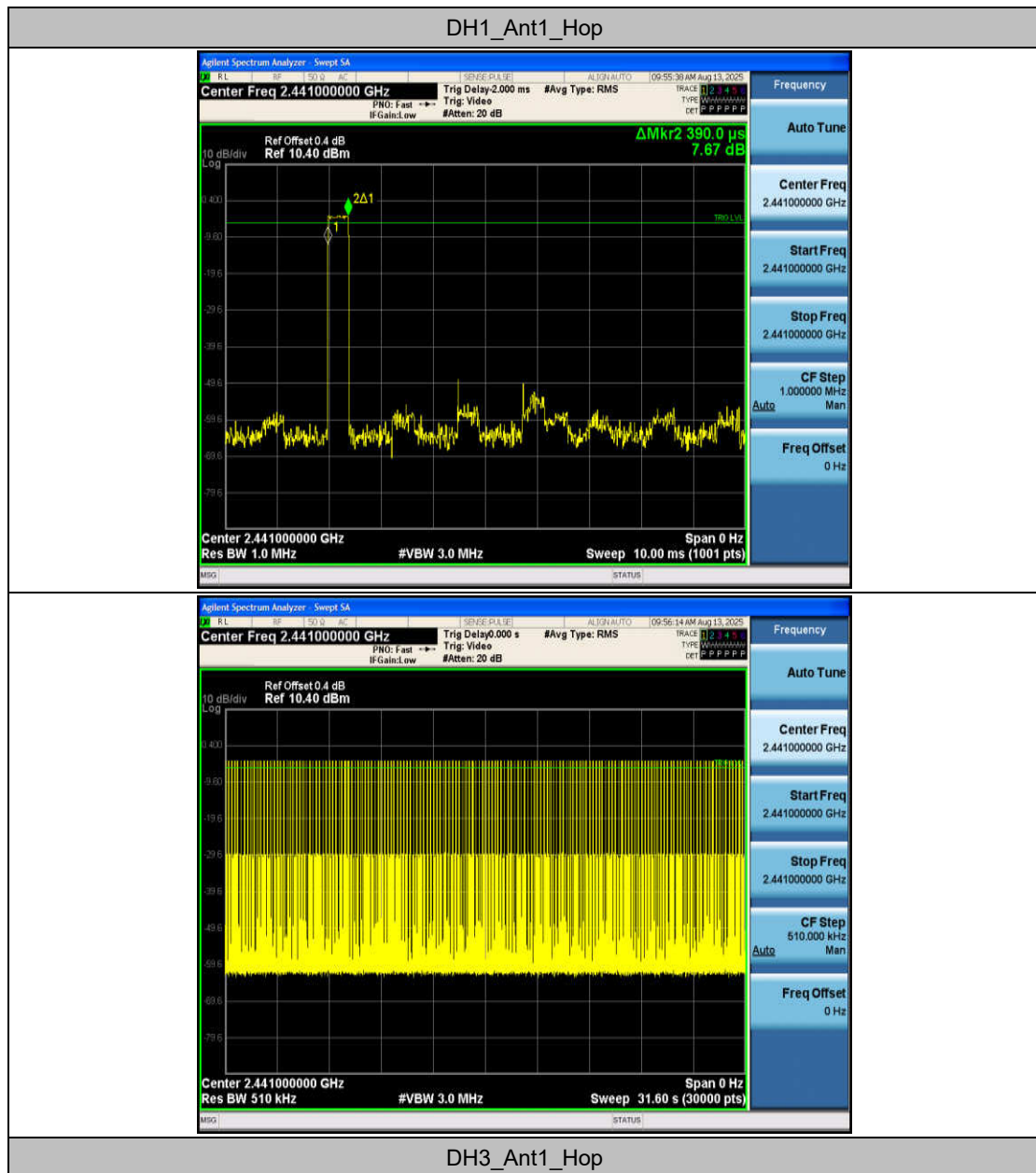


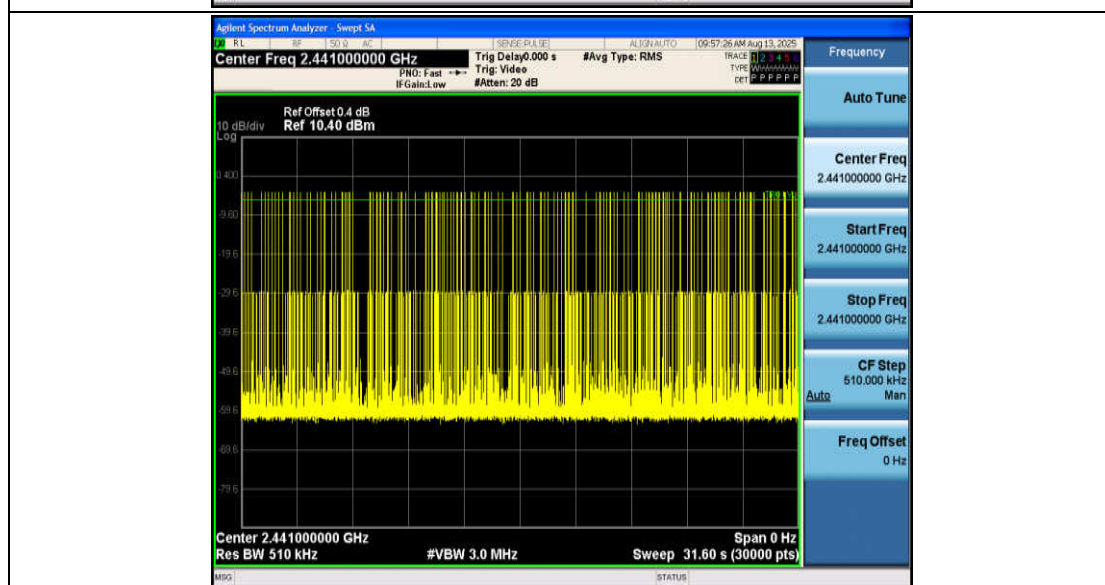
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.650	166	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.890	105	0.303	≤0.4	PASS
2DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.650	152	0.251	≤0.4	PASS
2DH5	Ant1	Hop	2.900	111	0.322	≤0.4	PASS
3DH1	Ant1	Hop	0.400	317	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.650	154	0.254	≤0.4	PASS
3DH5	Ant1	Hop	2.900	99	0.287	≤0.4	PASS

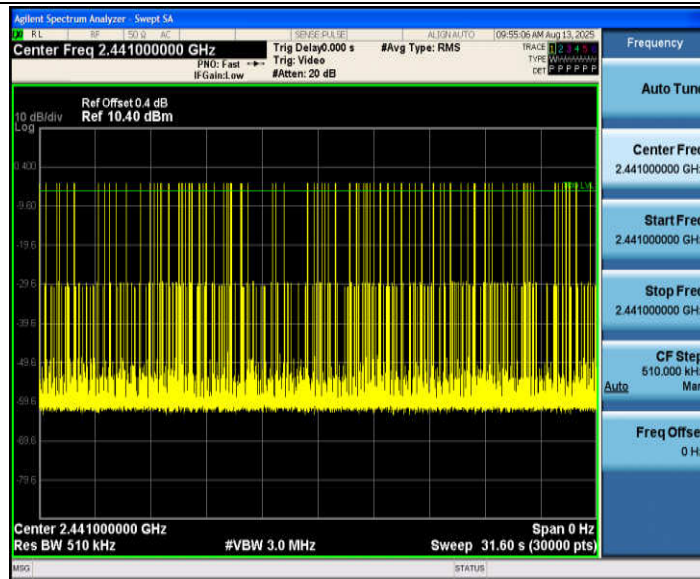
Test Graphs



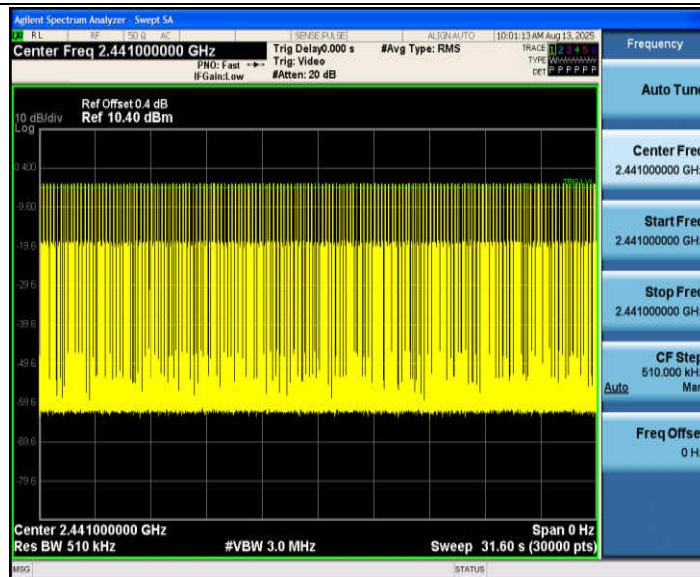


DH5_Ant1_Hop

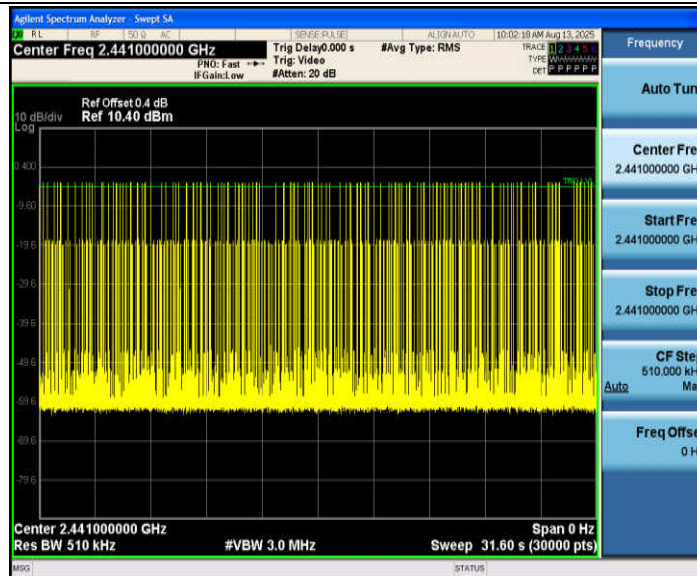




2DH1_Ant1_Hop

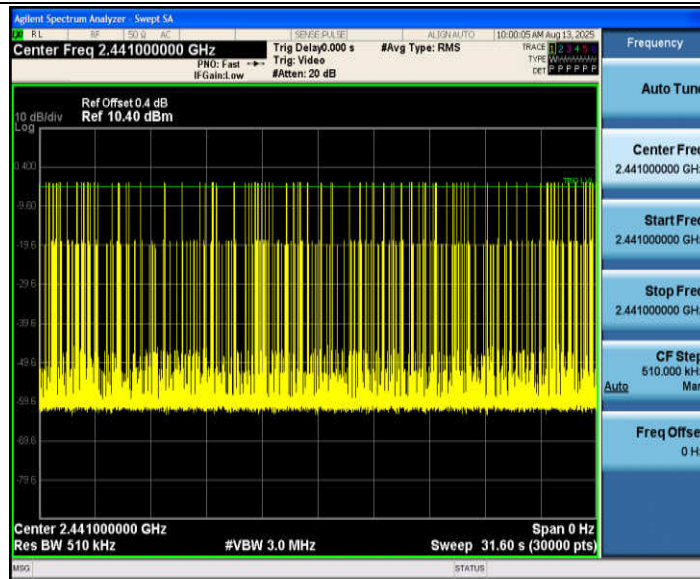


2DH3_Ant1_Hop

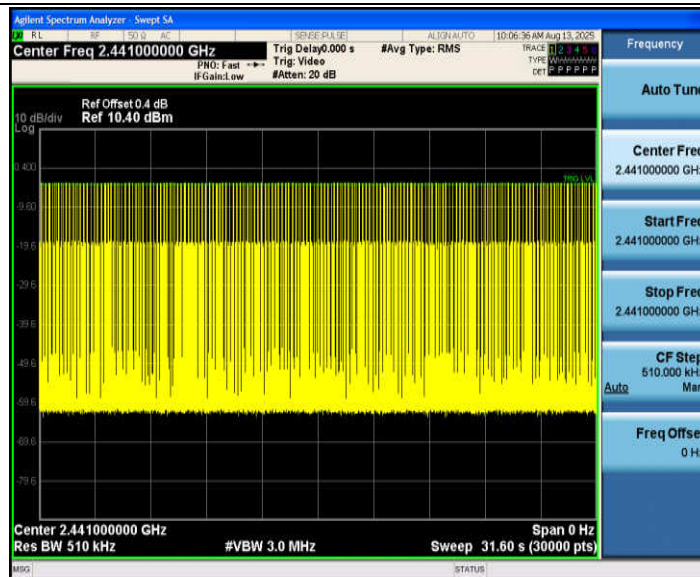


2DH5_Ant1_Hop

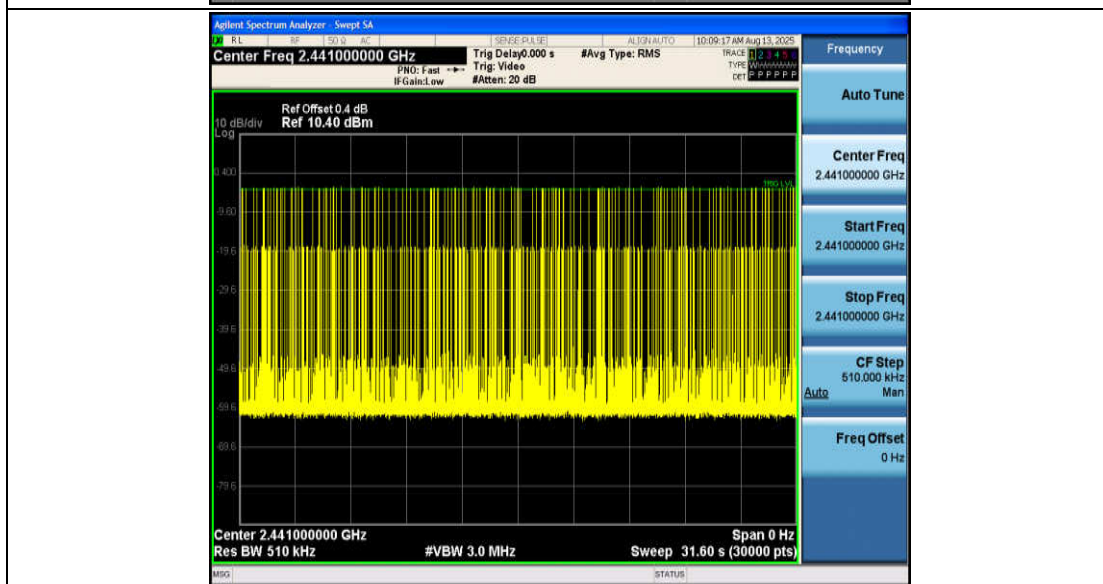




3DH1_Ant1_Hop

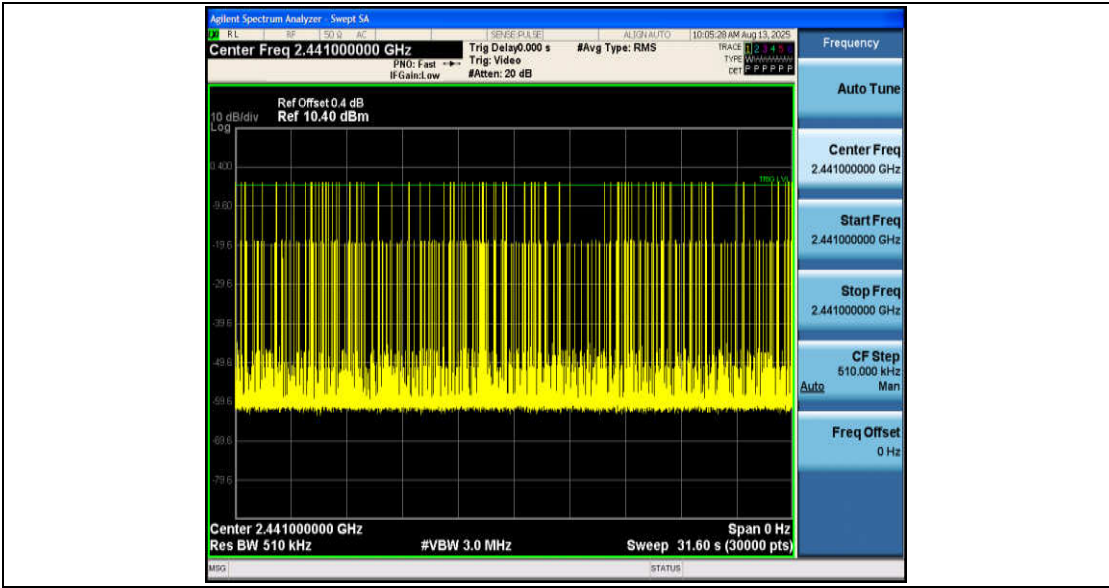


3DH3_Ant1_Hop



3DH5_Ant1_Hop





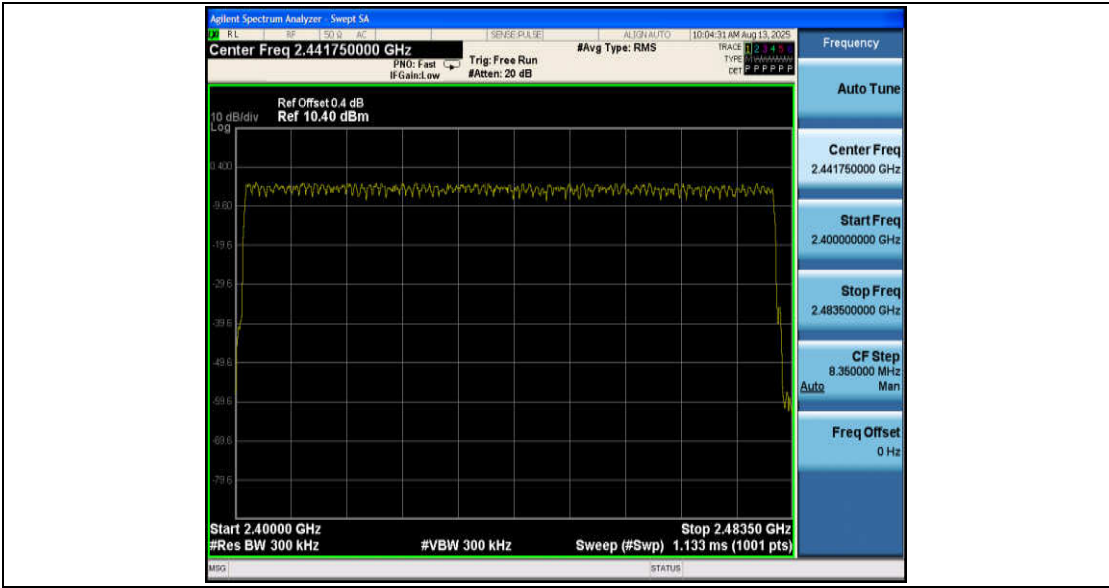
Appendix F: Number of hopping channels

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





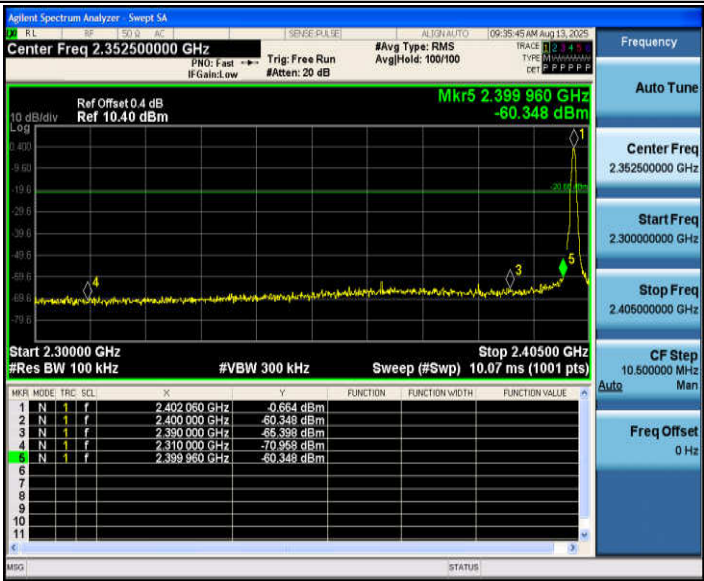
Appendix G: Band edge measurements

Test Result

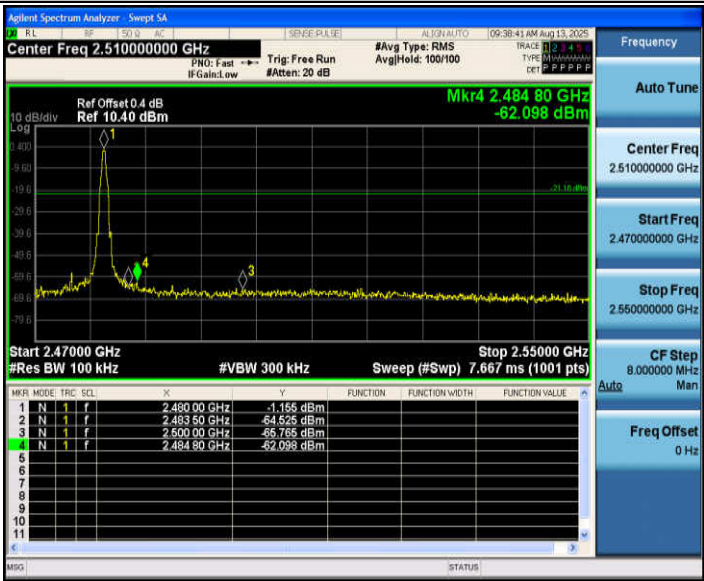
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.66	-60.35	≤-20.66	PASS
		High	2480	-1.16	-62.1	≤-21.16	PASS
		Low	Hop_2402	-4.39	-61.75	≤-24.39	PASS
		High	Hop_2480	-5.02	-65.18	≤-25.02	PASS
2DH5	Ant1	Low	2402	-4.22	-56.21	≤-24.22	PASS
		High	2480	-4.65	-55.72	≤-24.65	PASS
		Low	Hop_2402	-5.39	-62.74	≤-25.39	PASS
		High	Hop_2480	-4.04	-64.38	≤-24.04	PASS
3DH5	Ant1	Low	2402	-6.09	-60.72	≤-26.09	PASS
		High	2480	-4.62	-63.54	≤-24.62	PASS
		Low	Hop_2402	-4.13	-59.05	≤-24.13	PASS
		High	Hop_2480	-7.02	-65.01	≤-27.02	PASS

Test Graphs

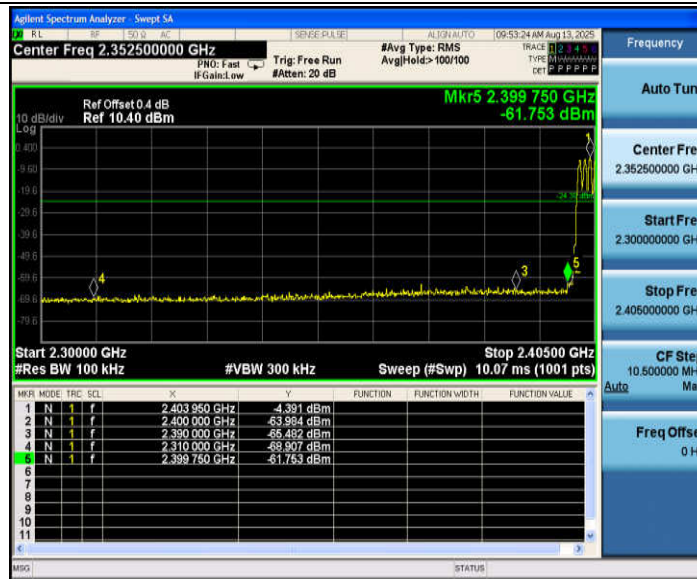
DH5_Ant1_Low_2402



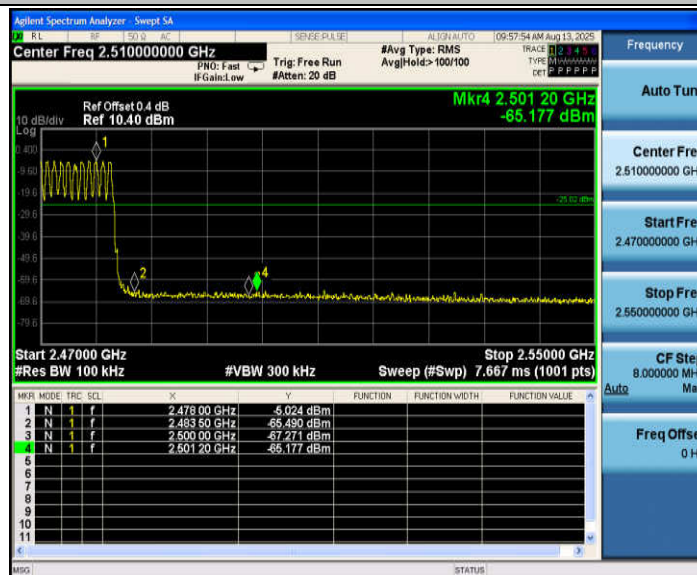
DH5_Ant1_High_2480



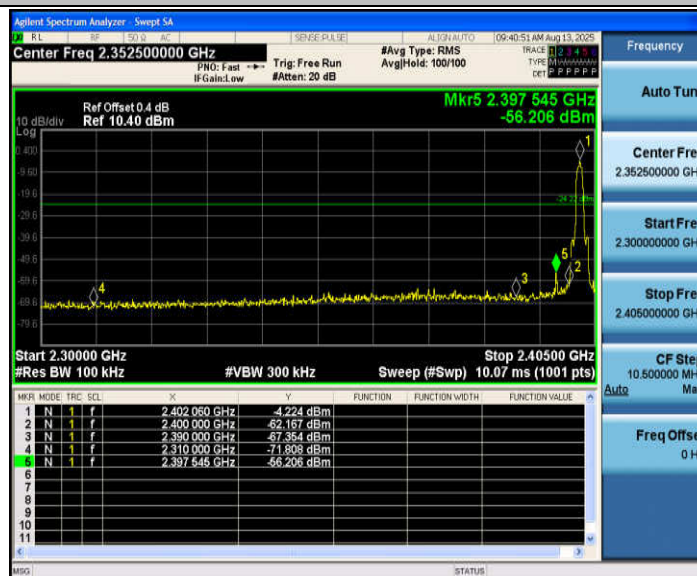
DH5_Ant1_Low_Hop_2402



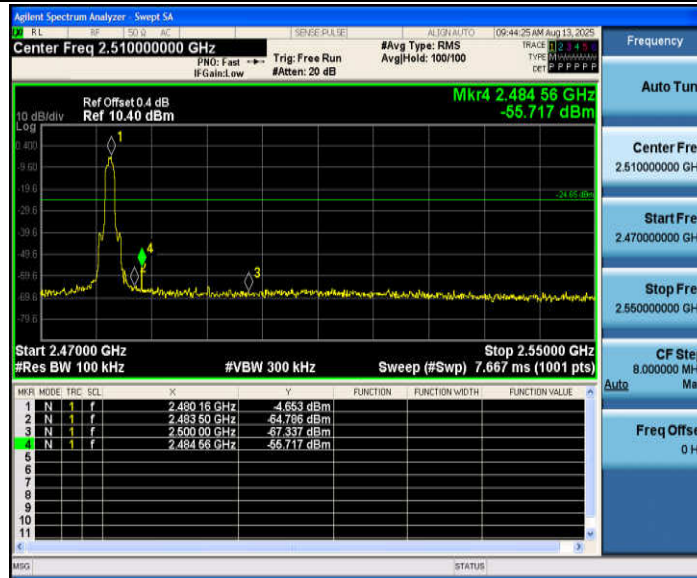
DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



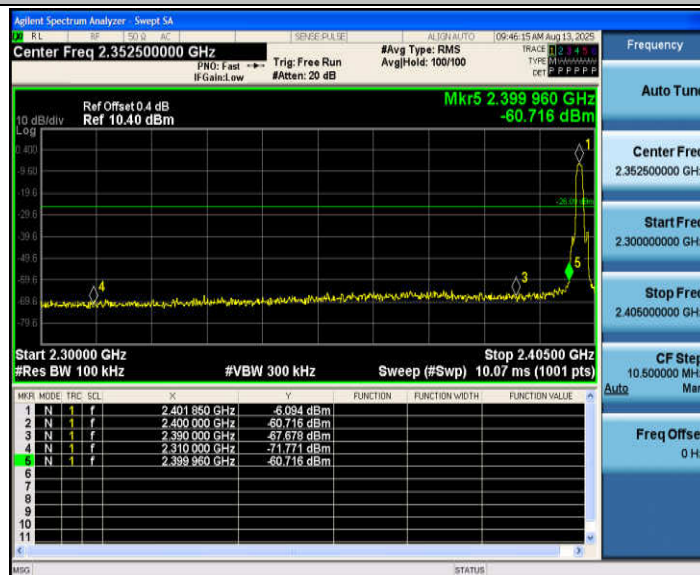
2DH5_Ant1_Low_Hop_2402



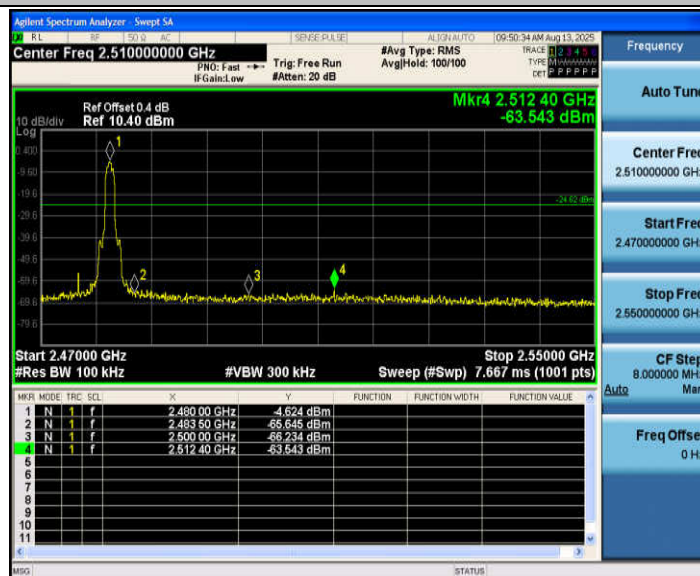
2DH5_Ant1_High_Hop_2480



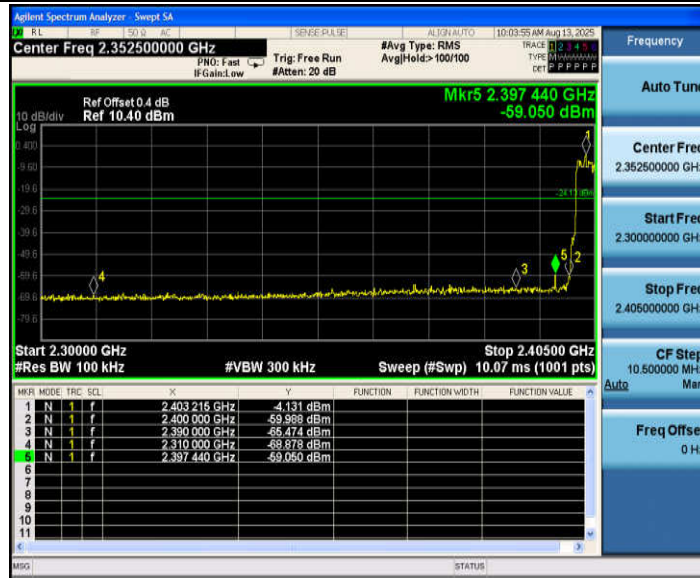
3DH5_Ant1_Low_2402



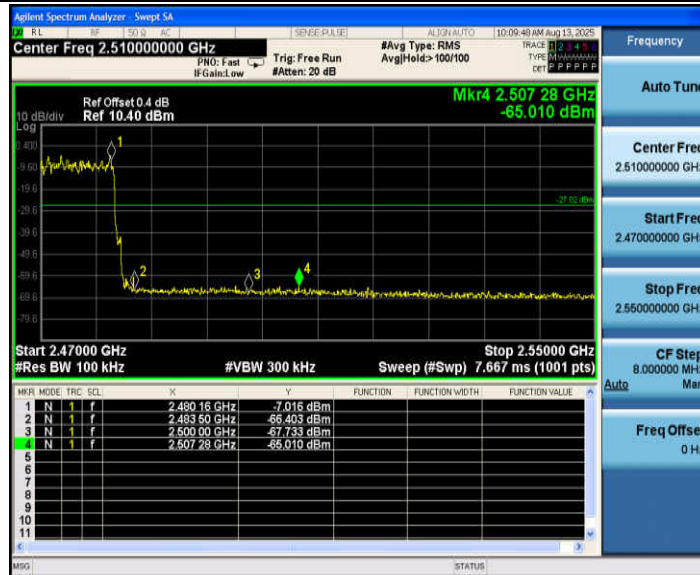
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

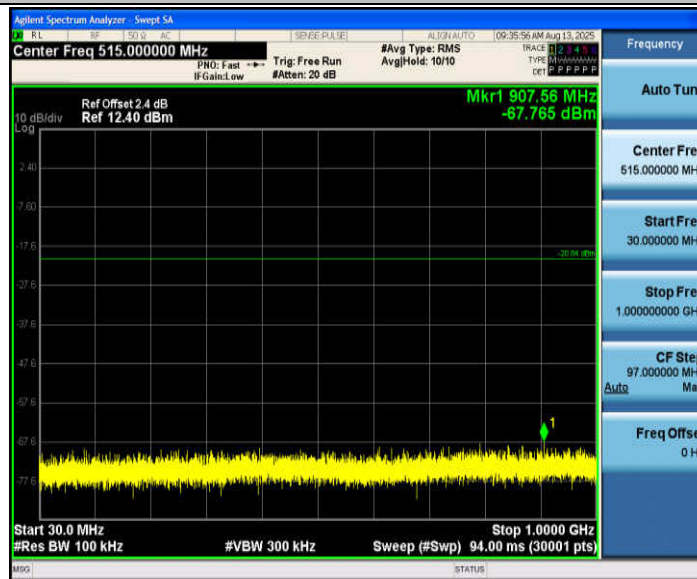
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.84	-0.84	---	PASS
			30~1000	-0.84	-67.77	≤-20.84	PASS
			1000~26500	-0.84	-43.67	≤-20.84	PASS
		2441	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-67.83	≤-21.32	PASS
			1000~26500	-1.32	-43.92	≤-21.32	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-68.12	≤-21.47	PASS
			1000~26500	-1.47	-42.03	≤-21.47	PASS
2DH5	Ant1	2402	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-68.19	≤-24.54	PASS
			1000~26500	-4.54	-46.84	≤-24.54	PASS
		2441	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-67.98	≤-25.59	PASS
			1000~26500	-5.59	-51.38	≤-25.59	PASS
		2480	Reference	-7.50	-7.50	---	PASS
			30~1000	-7.50	-68.52	≤-27.5	PASS
			1000~26500	-7.50	-47.86	≤-27.5	PASS
3DH5	Ant1	2402	Reference	-6.06	-6.06	---	PASS
			30~1000	-6.06	-68.13	≤-26.06	PASS
			1000~26500	-6.06	-50.2	≤-26.06	PASS
		2441	Reference	-6.49	-6.49	---	PASS
			30~1000	-6.49	-68.07	≤-26.49	PASS
			1000~26500	-6.49	-51.45	≤-26.49	PASS
		2480	Reference	-5.76	-5.76	---	PASS
			30~1000	-5.76	-67.55	≤-25.76	PASS
			1000~26500	-5.76	-50.5	≤-25.76	PASS

Test Graphs

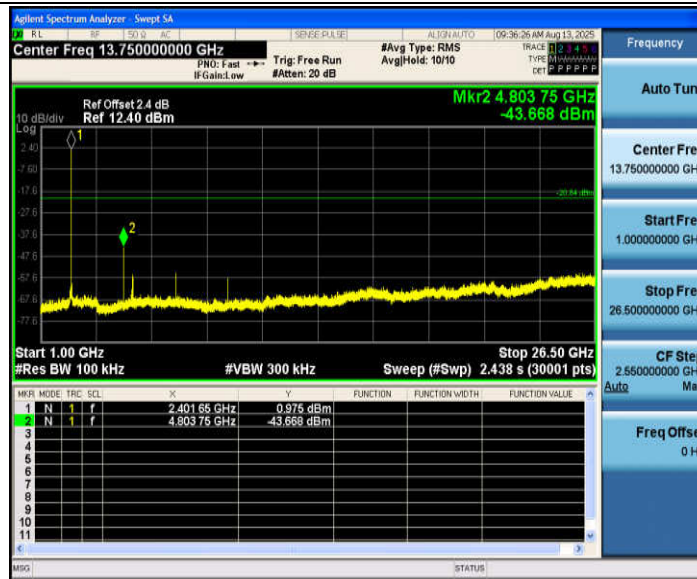
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



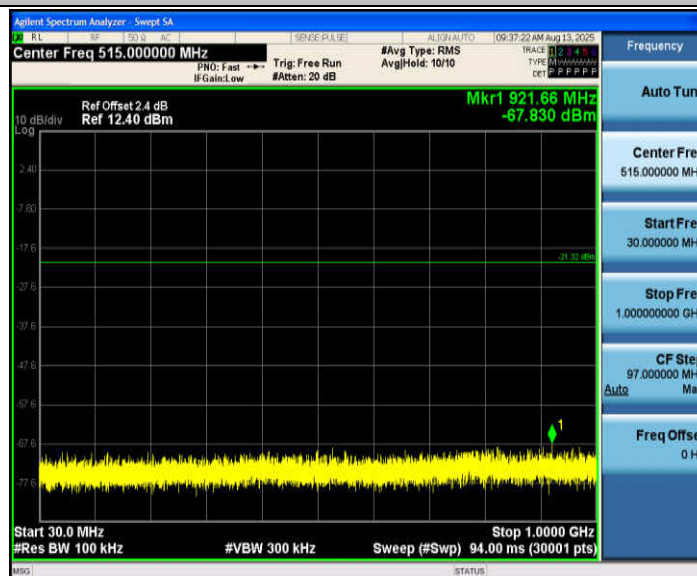
DH5_Ant1_2402_1000~26500



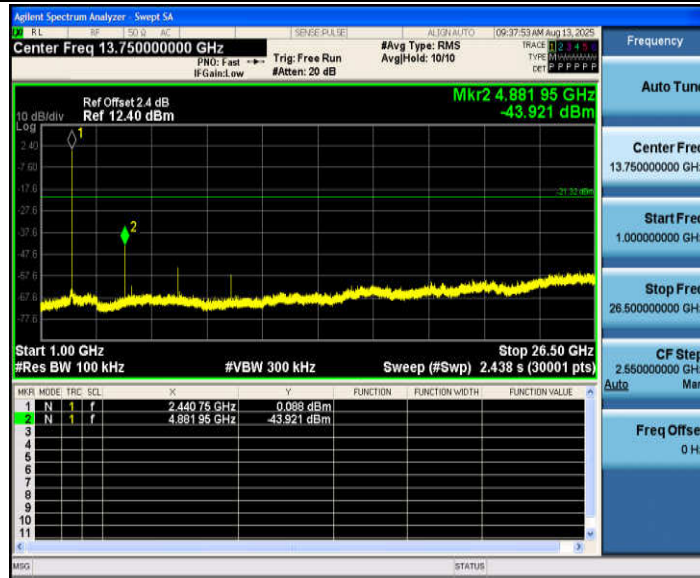
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



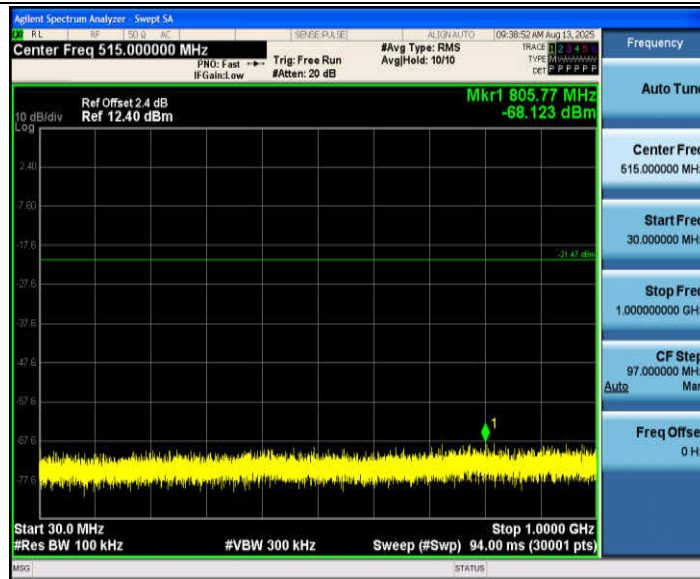
DH5_Ant1_2441_1000~26500



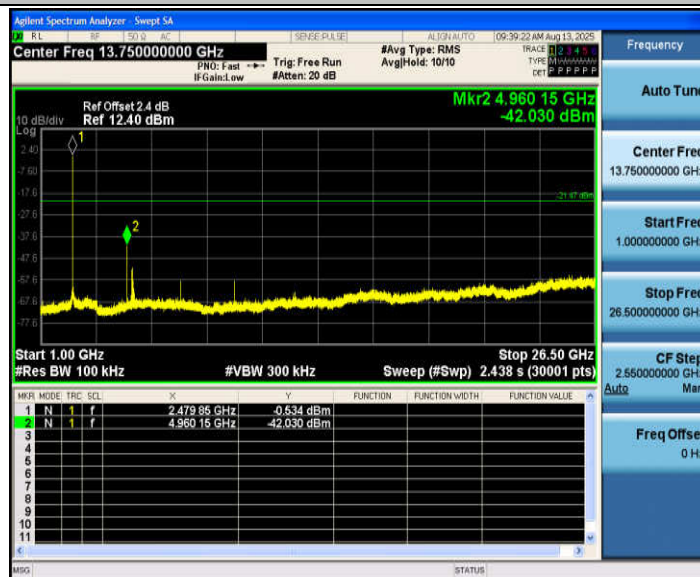
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



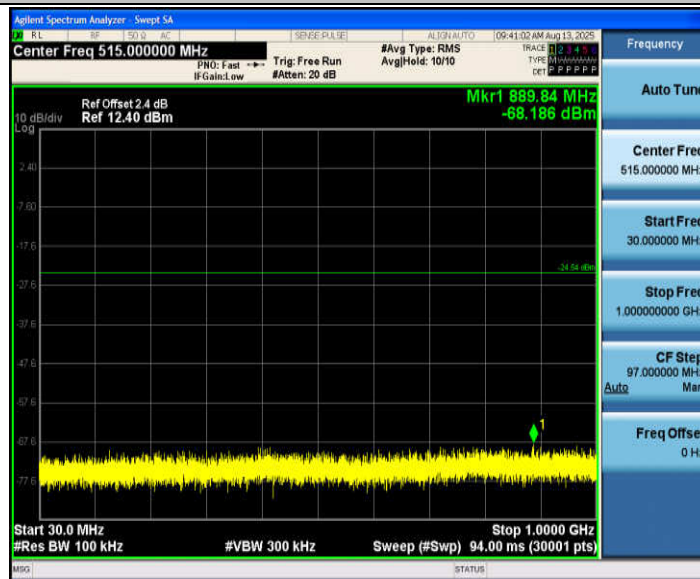
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



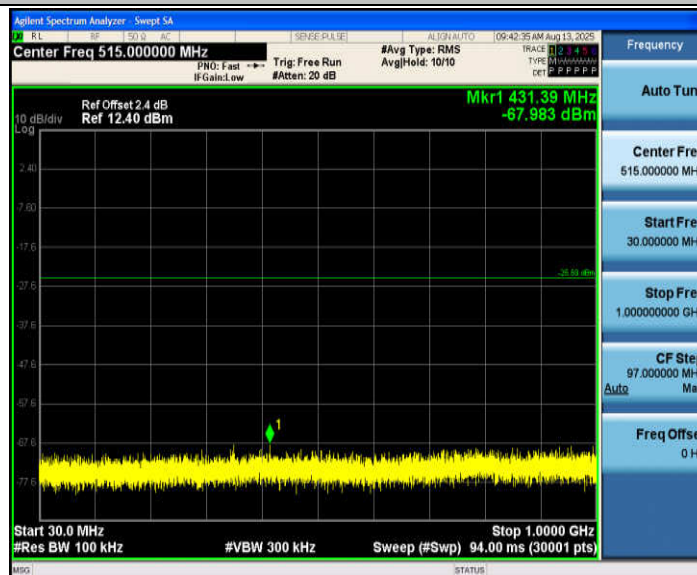
2DH5_Ant1_2402_1000~26500



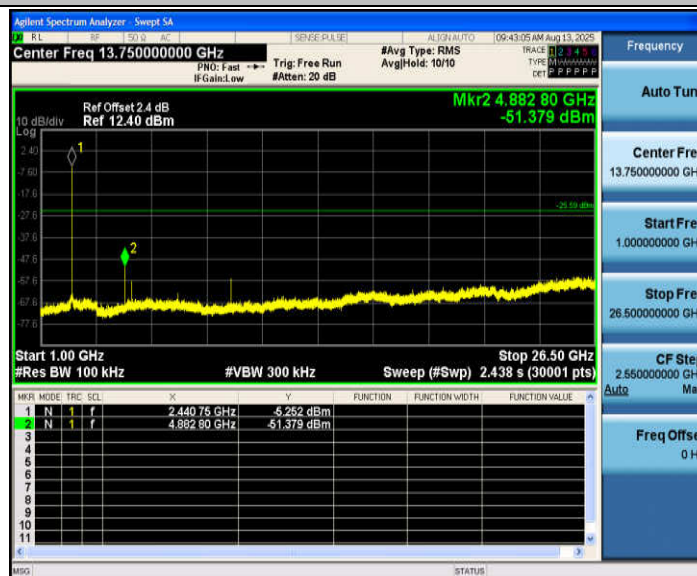
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



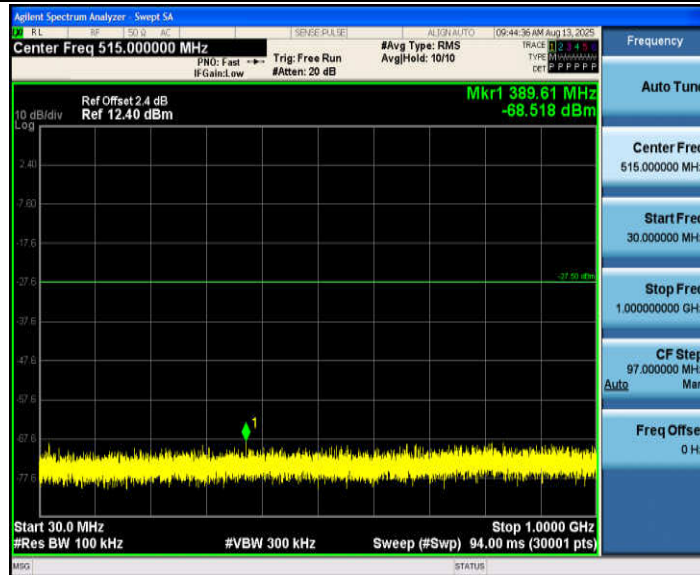
2DH5_Ant1_2441_1000~26500



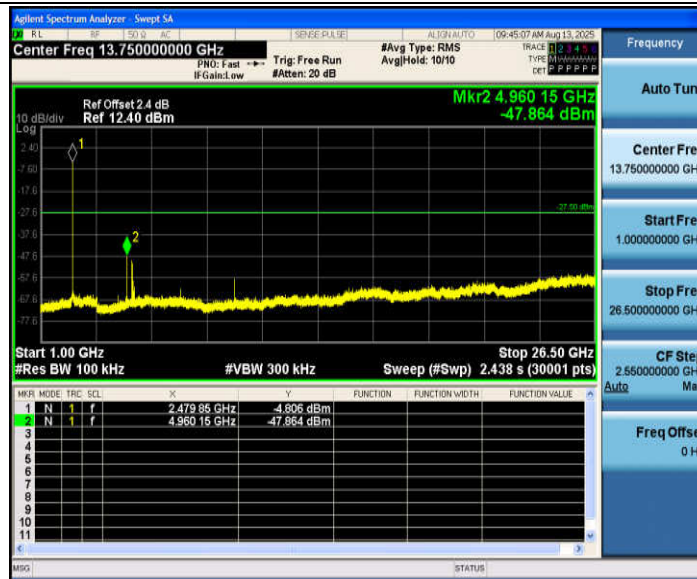
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



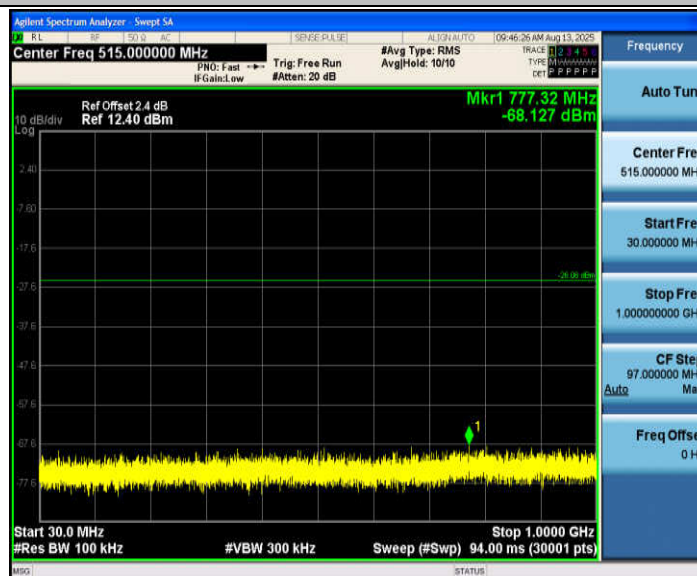
2DH5_Ant1_2480_1000~26500



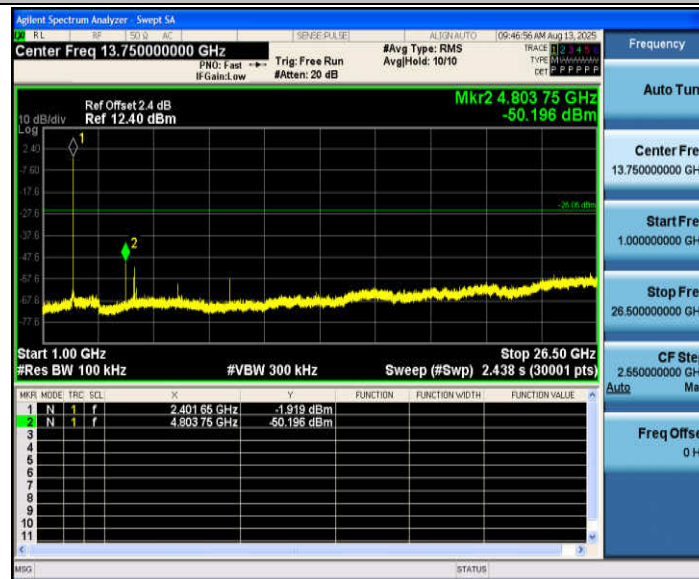
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



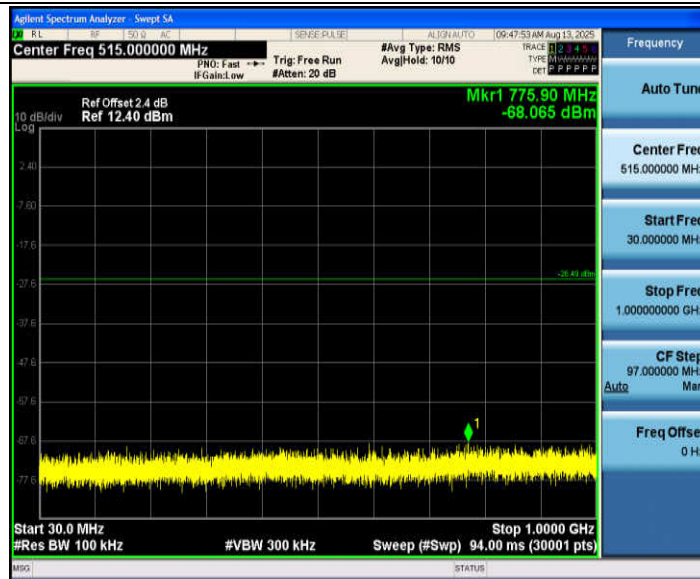
3DH5_Ant1_2402_1000~26500



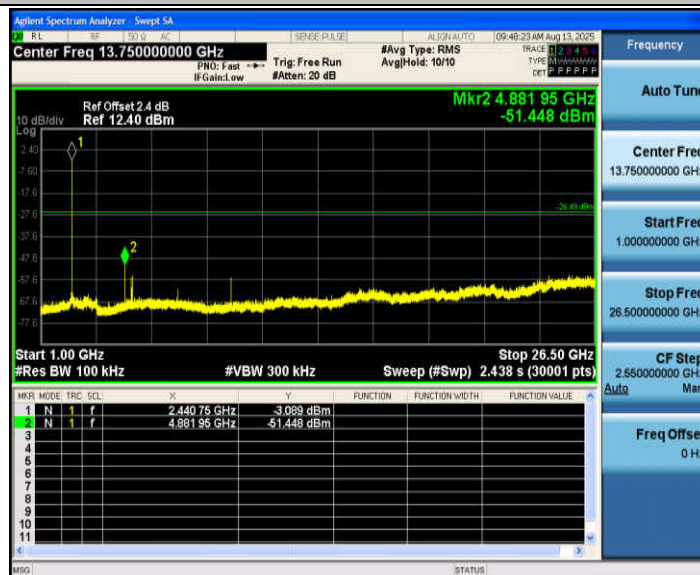
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



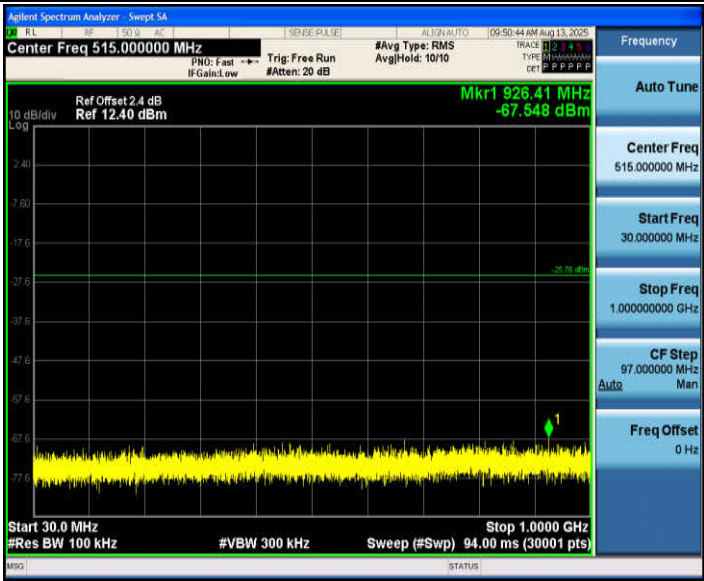
3DH5_Ant1_2441_1000~26500



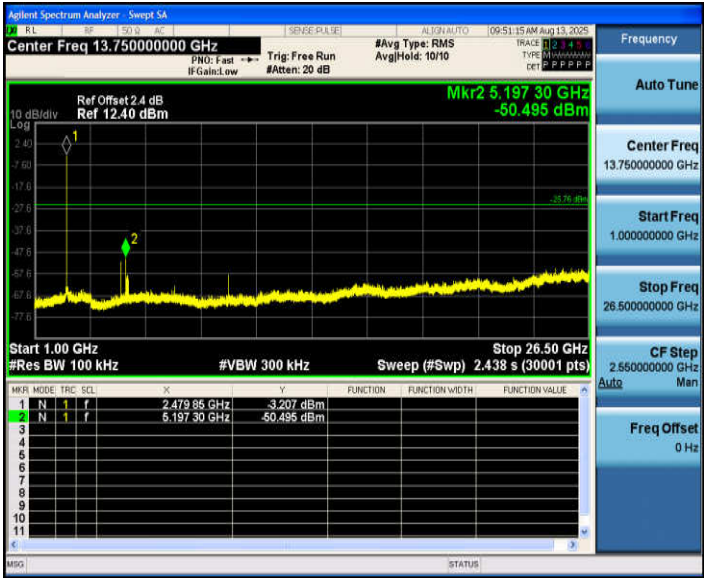
3DH5_Ant1_2480_0~Reference



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	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		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

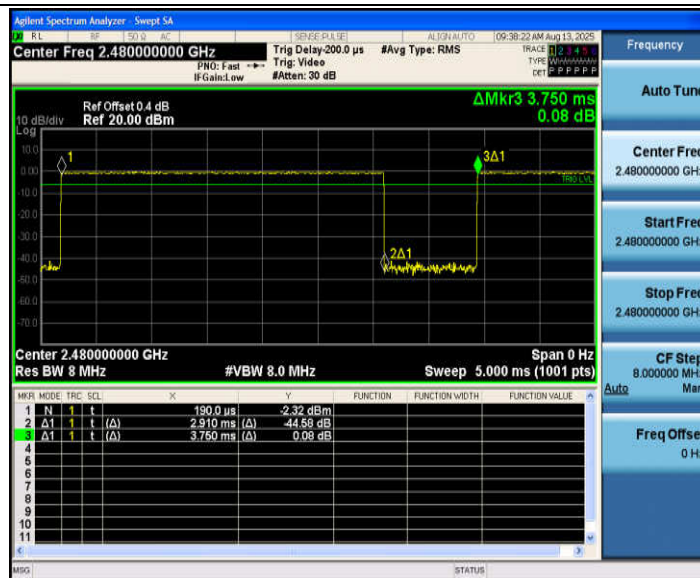
DH5_Ant1_2402



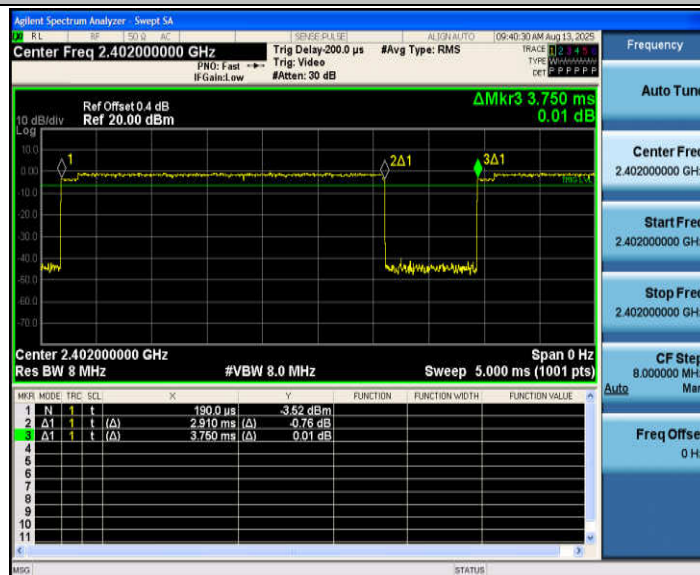
DH5_Ant1_2441



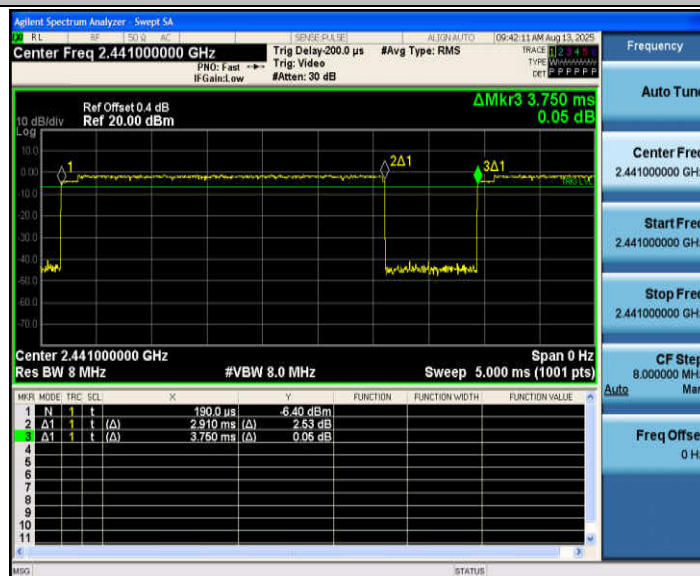
DH5_Ant1_2480



2DH5 Ant1 2402



2DH5 Ant1 2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

