

Appendix RF Test Data for BT

FCC ID : 2BH3E-CP1-G

Company : Shenzhen Pinwei Technology Co.,Ltd

EUT : Wireless Carplay

Model Number : CP1-G

Report No. : CTA25061700301

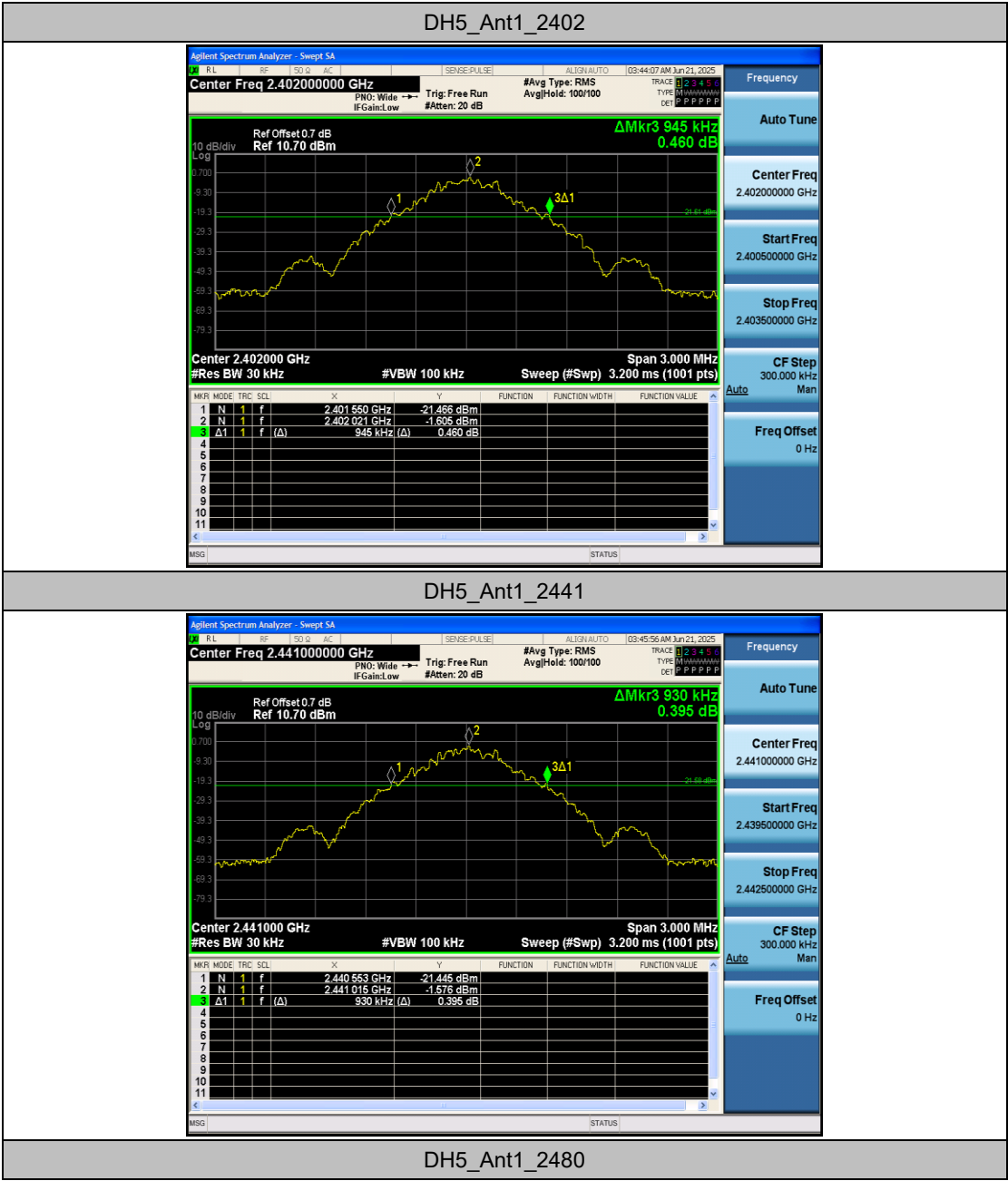
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.550	2402.495	---	---
		2441	0.930	2440.553	2441.483	---	---
		2480	0.942	2479.553	2480.495	---	---
2DH5	Ant1	2402	1.338	2401.340	2402.678	---	---
		2441	1.338	2440.340	2441.678	---	---
		2480	1.323	2479.352	2480.675	---	---
3DH5	Ant1	2402	1.281	2401.379	2402.660	---	---
		2441	1.320	2440.346	2441.666	---	---
		2480	1.317	2479.349	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

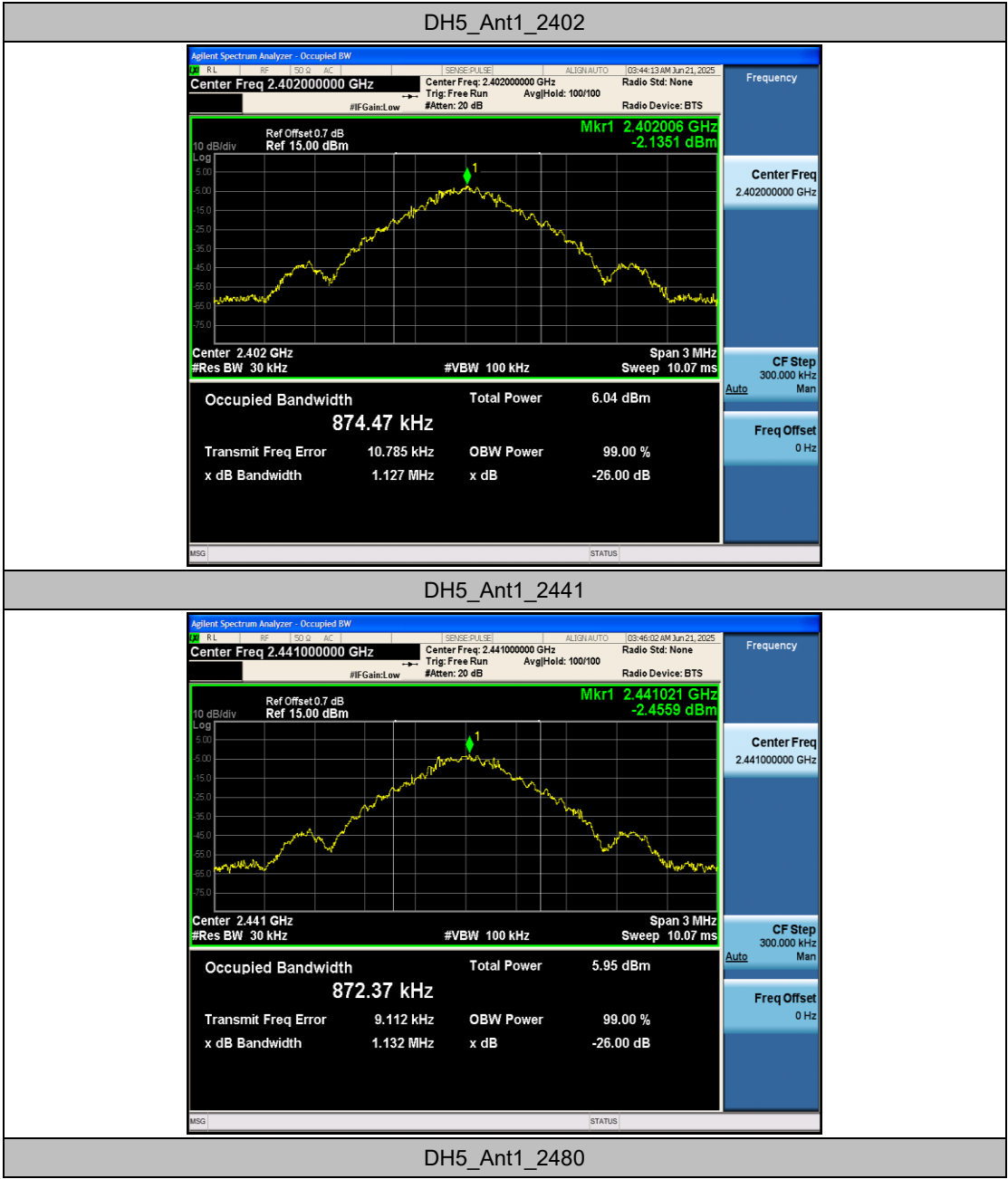


Appendix B: Occupied Channel Bandwidth

Test Result

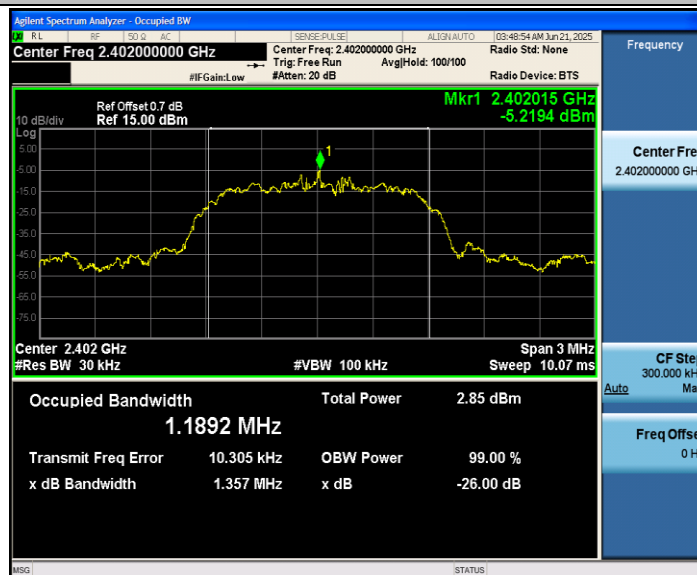
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87447	2401.5736	2402.4480	---	---
		2441	0.87237	2440.5729	2441.4453	---	---
		2480	0.86764	2479.5738	2480.4414	---	---
2DH5	Ant1	2402	1.1892	2401.4157	2402.6049	---	---
		2441	1.1851	2440.4175	2441.6026	---	---
		2480	1.1844	2479.4191	2480.6035	---	---
3DH5	Ant1	2402	1.1898	2401.4155	2402.6053	---	---
		2441	1.1885	2440.4160	2441.6045	---	---
		2480	1.1880	2479.4168	2480.6048	---	---

Test Graphs

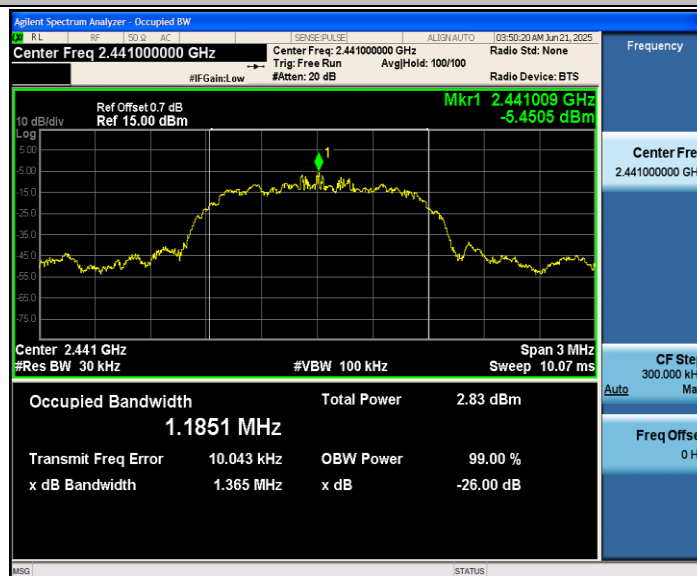




2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



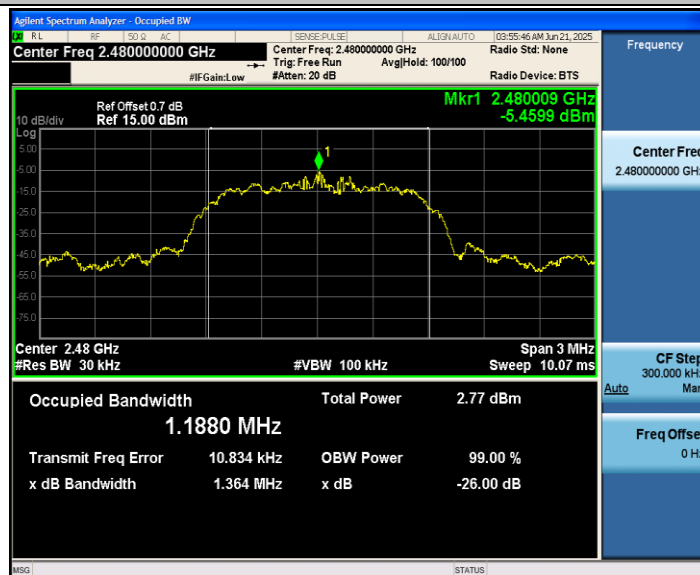
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

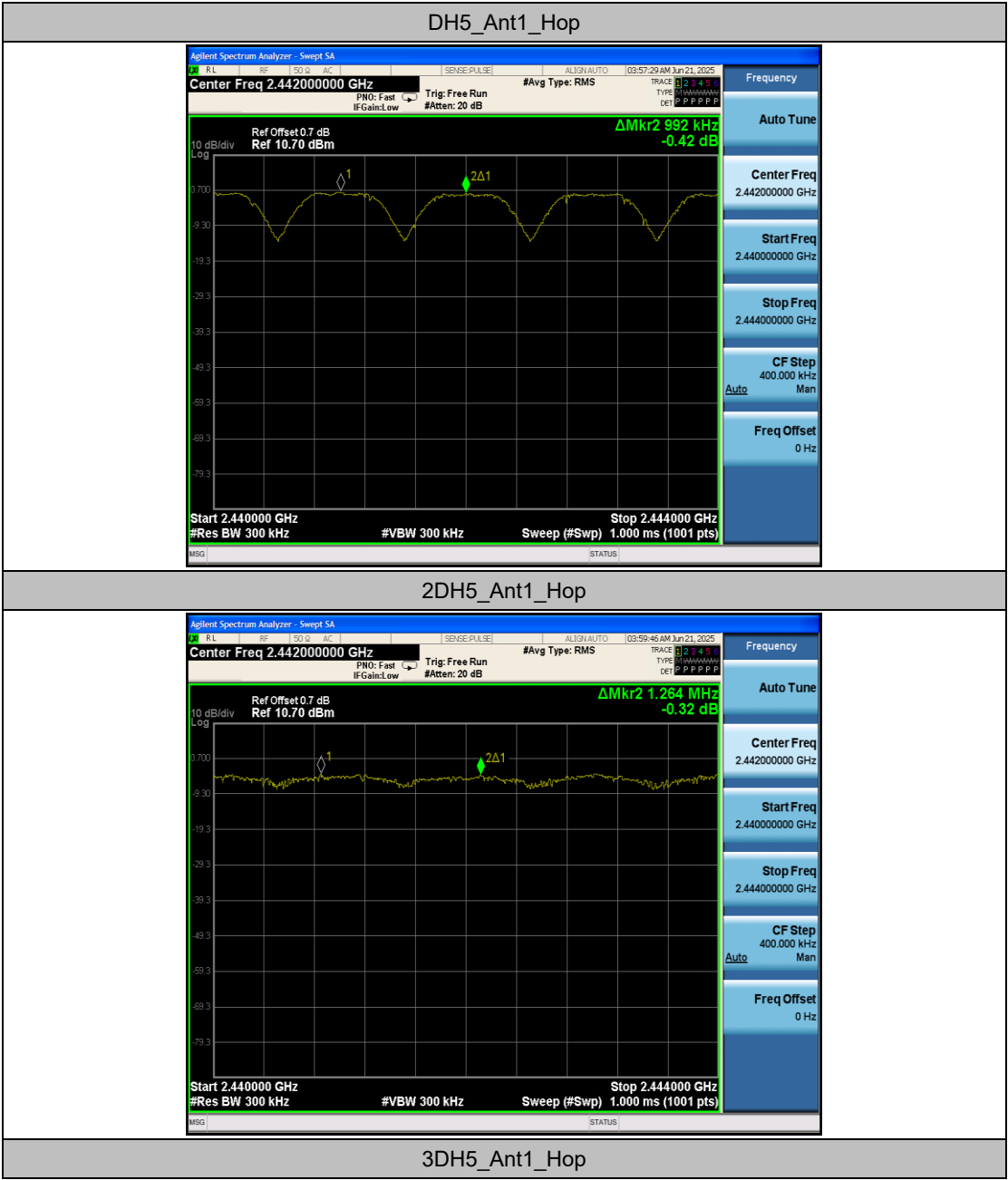
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.25	≤20.97	PASS
		2441	0.07	≤20.97	PASS
		2480	0.04	≤20.97	PASS
2DH5	Ant1	2402	-0.58	≤20.97	PASS
		2441	-0.74	≤20.97	PASS
		2480	-0.73	≤20.97	PASS
3DH5	Ant1	2402	-0.54	≤20.97	PASS
		2441	-0.71	≤20.97	PASS
		2480	-0.75	≤20.97	PASS

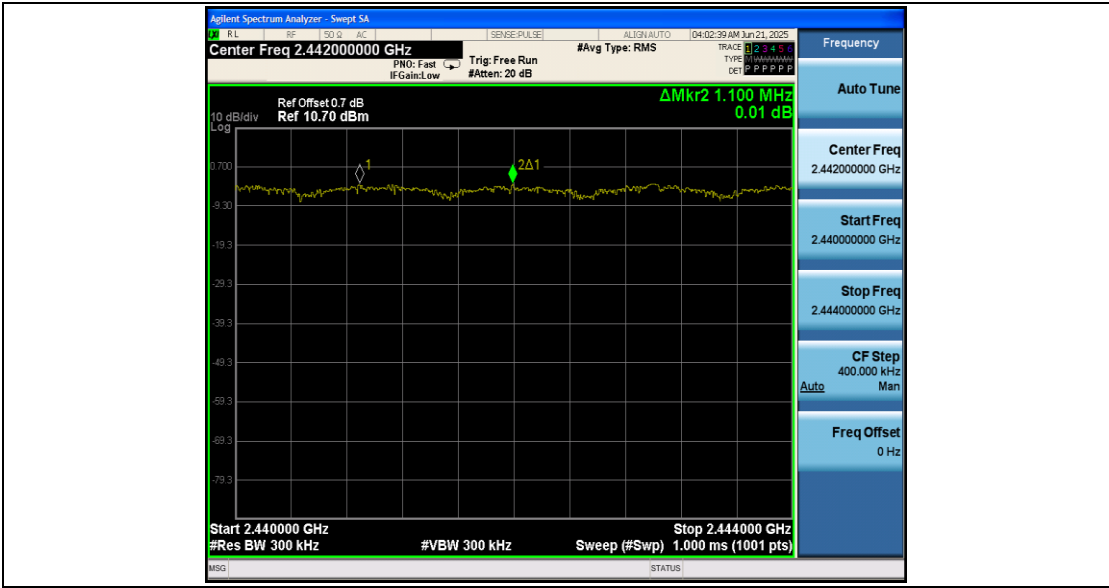
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.945	PASS
2DH5	Ant1	Hop	1.264	≥ 0.892	PASS
3DH5	Ant1	Hop	1.1	≥ 0.880	PASS

Test Graphs



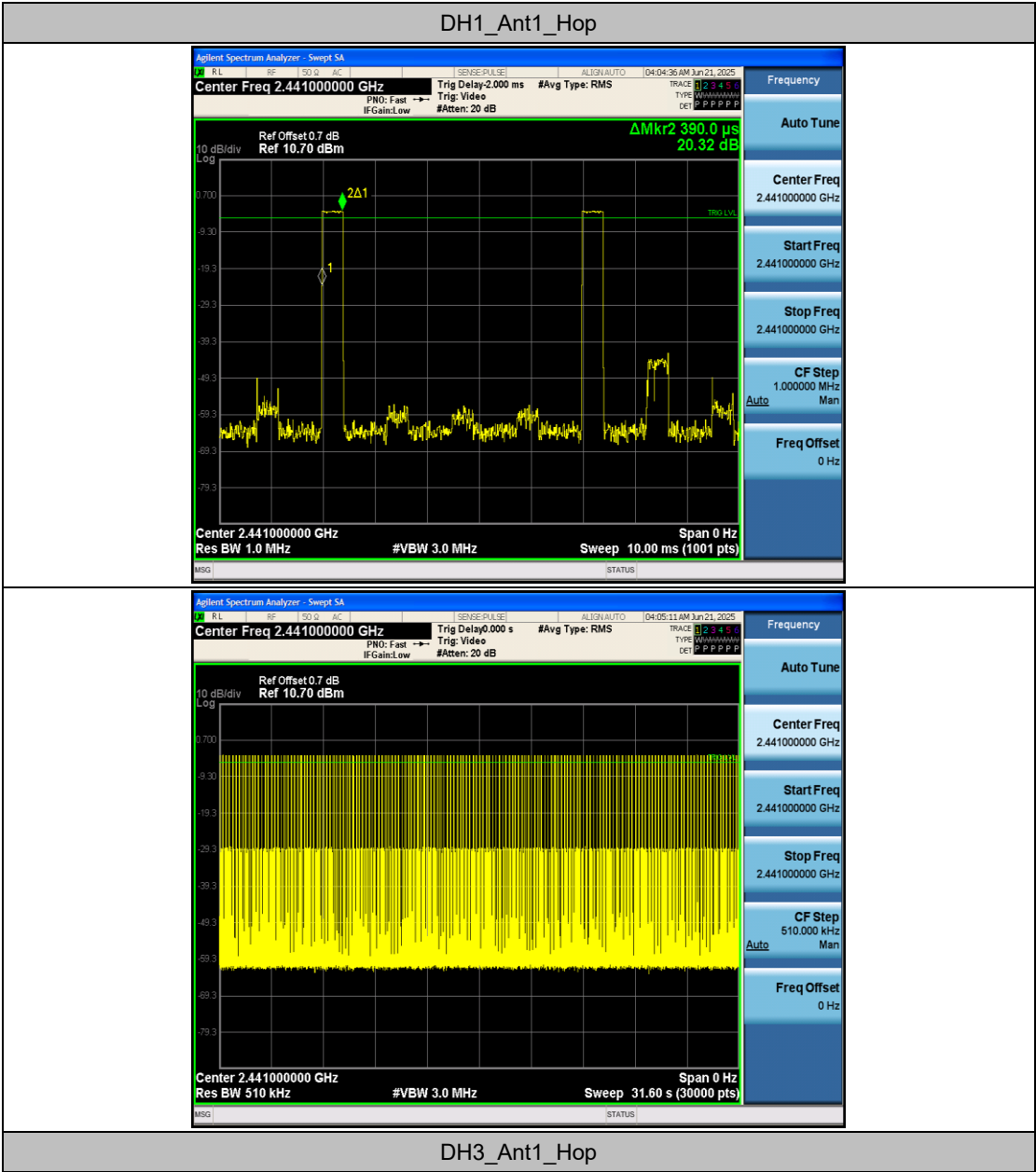


Appendix E: Time of occupancy

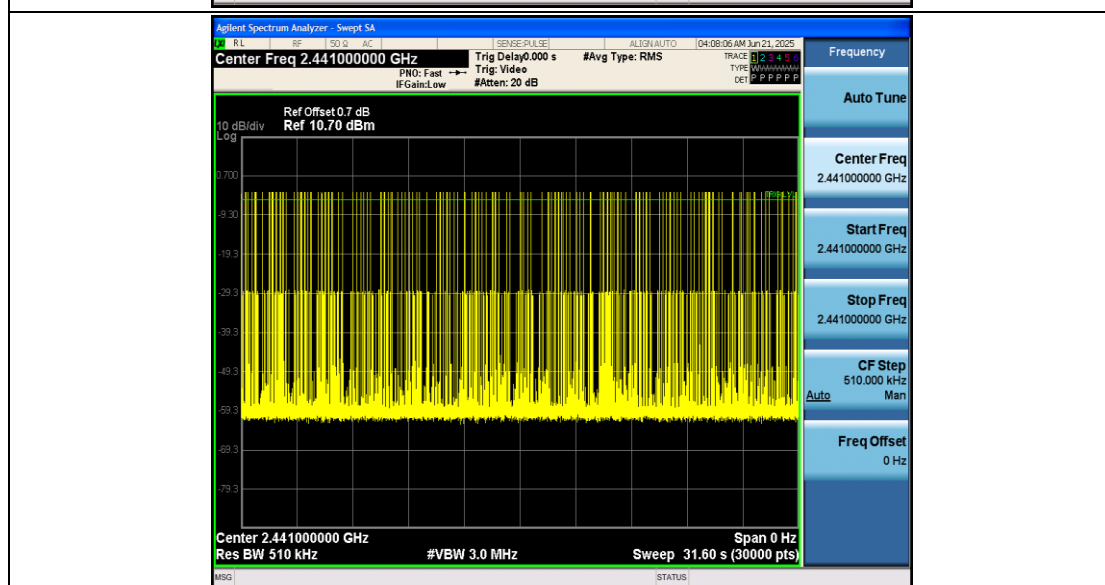
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.640	157	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.890	102	0.295	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	156	0.256	≤0.4	PASS
2DH5	Ant1	Hop	2.900	101	0.293	≤0.4	PASS
3DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	165	0.271	≤0.4	PASS
3DH5	Ant1	Hop	2.900	119	0.345	≤0.4	PASS

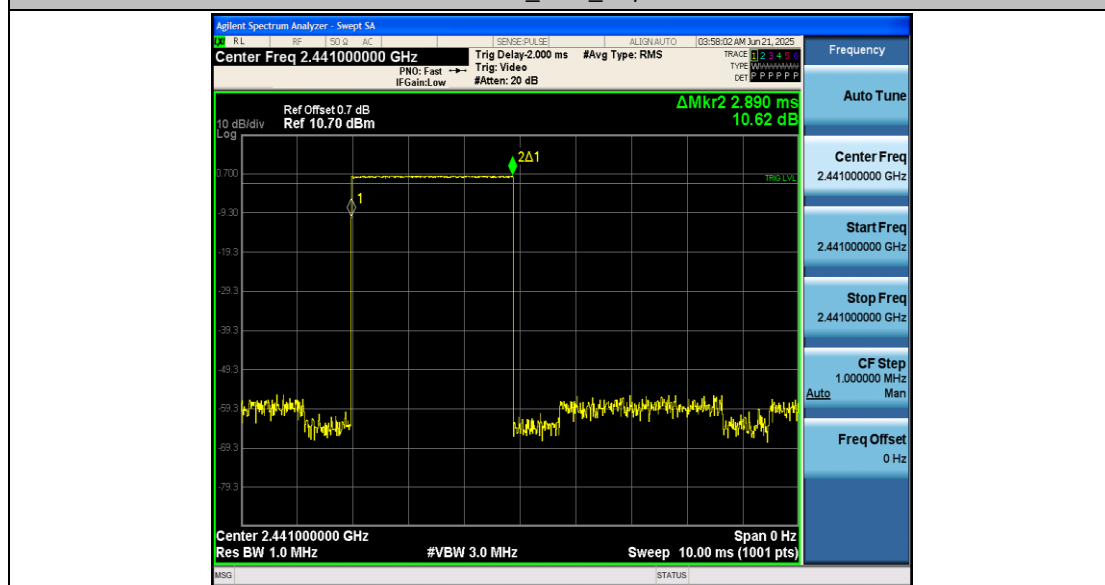
Test Graphs

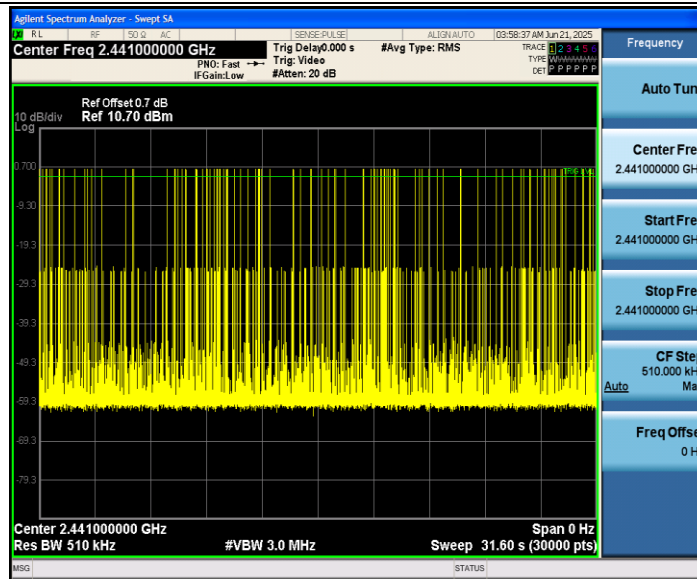


DH3_Ant1_Hop

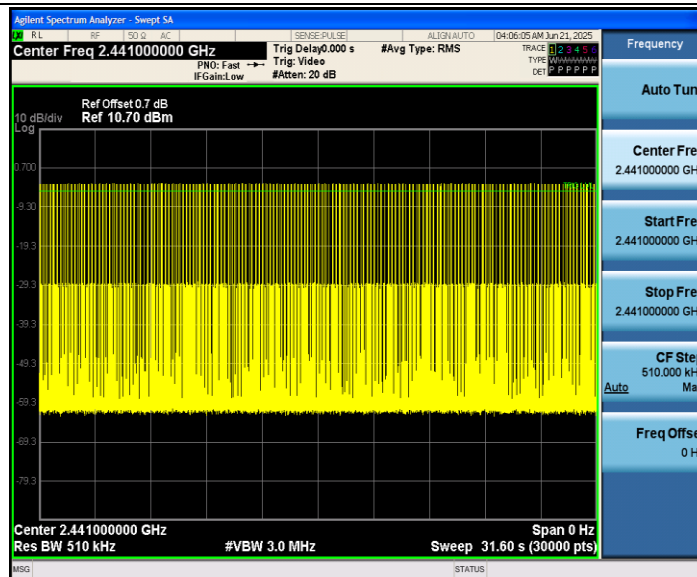
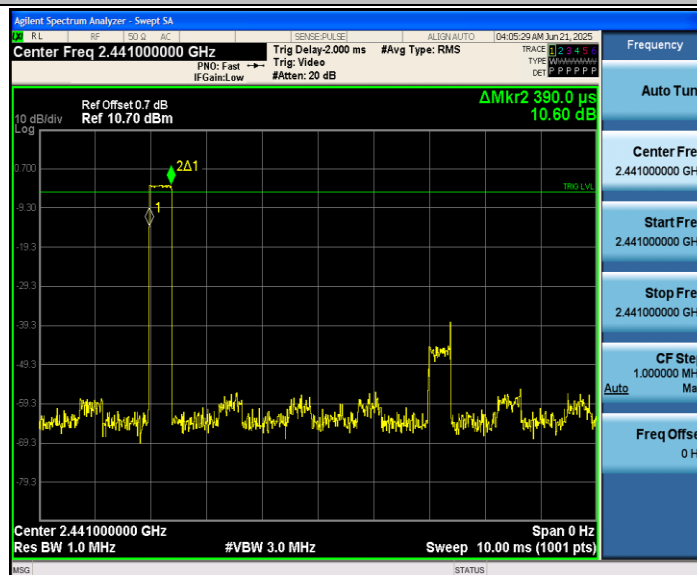


DH5_Ant1_Hop

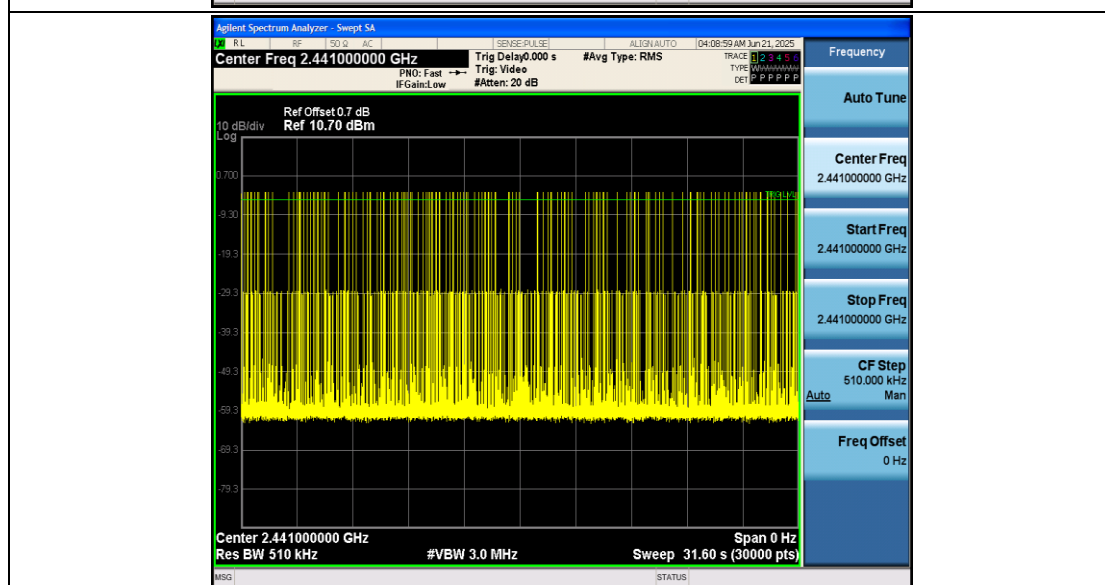




2DH1_Ant1_Hop

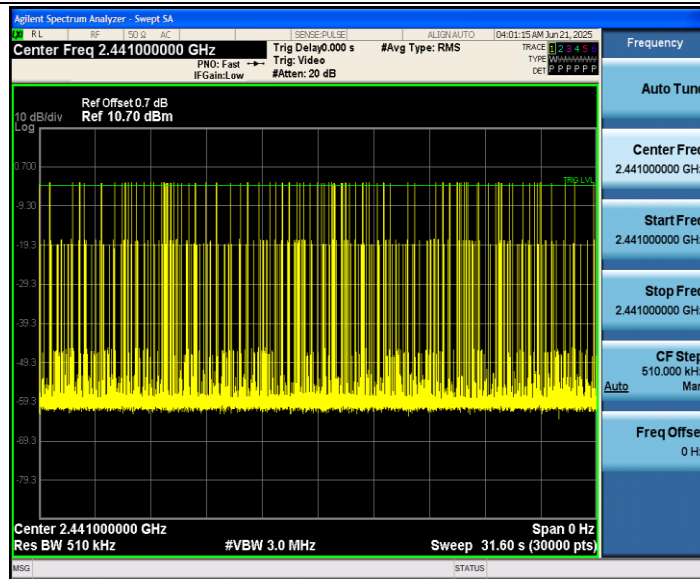


2DH3_Ant1_Hop

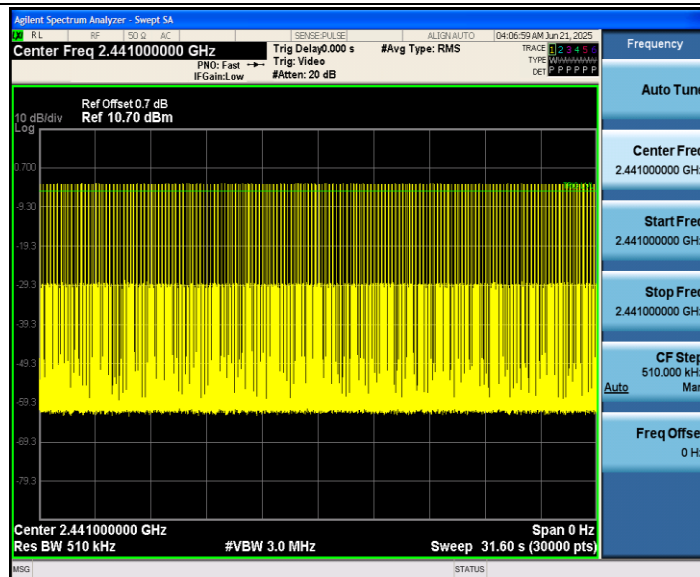
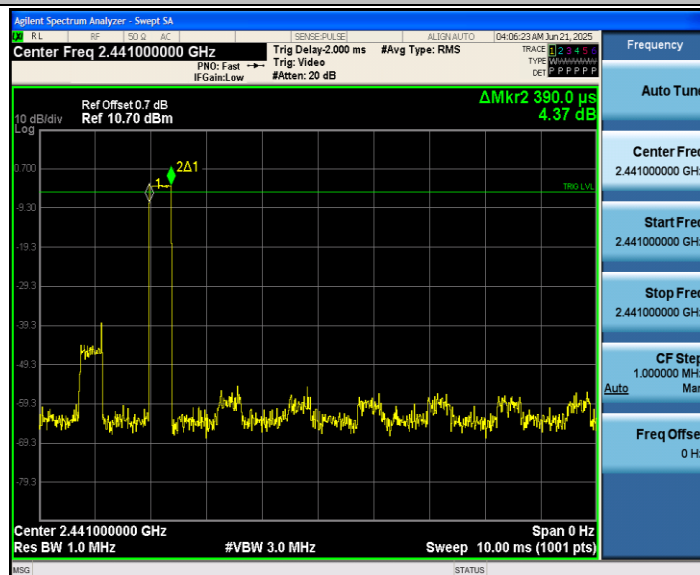


2DH5_Ant1_Hop

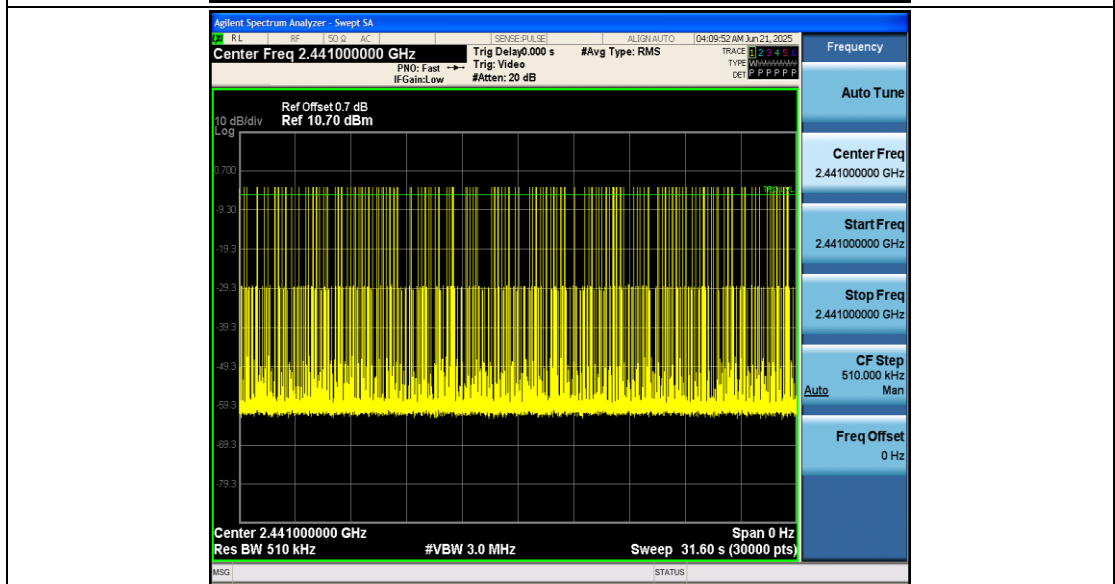
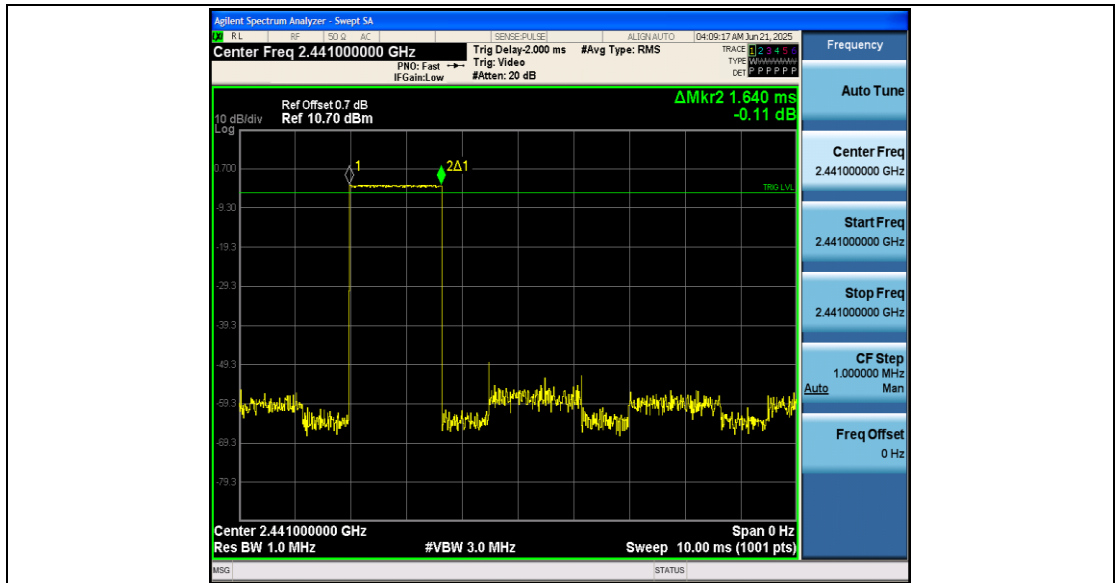




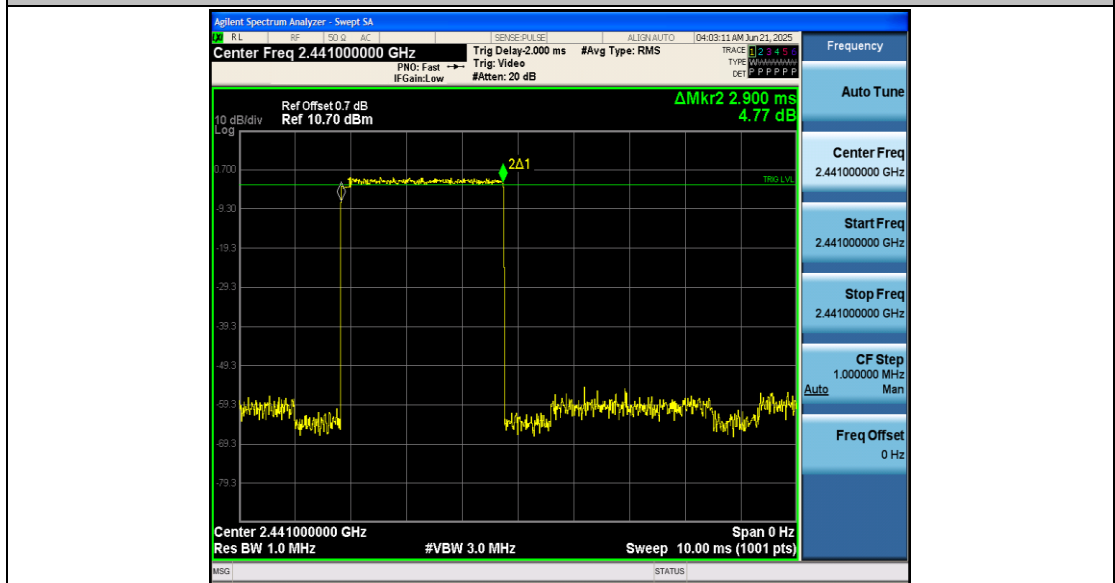
3DH1_Ant1_Hop

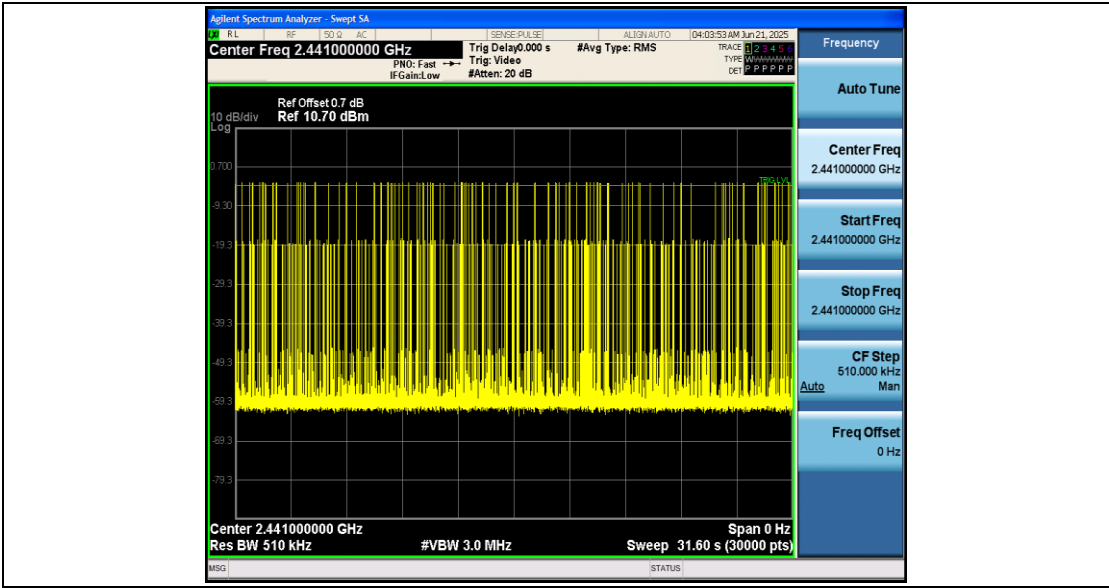


3DH3_Ant1_Hop



3DH5_Ant1_Hop



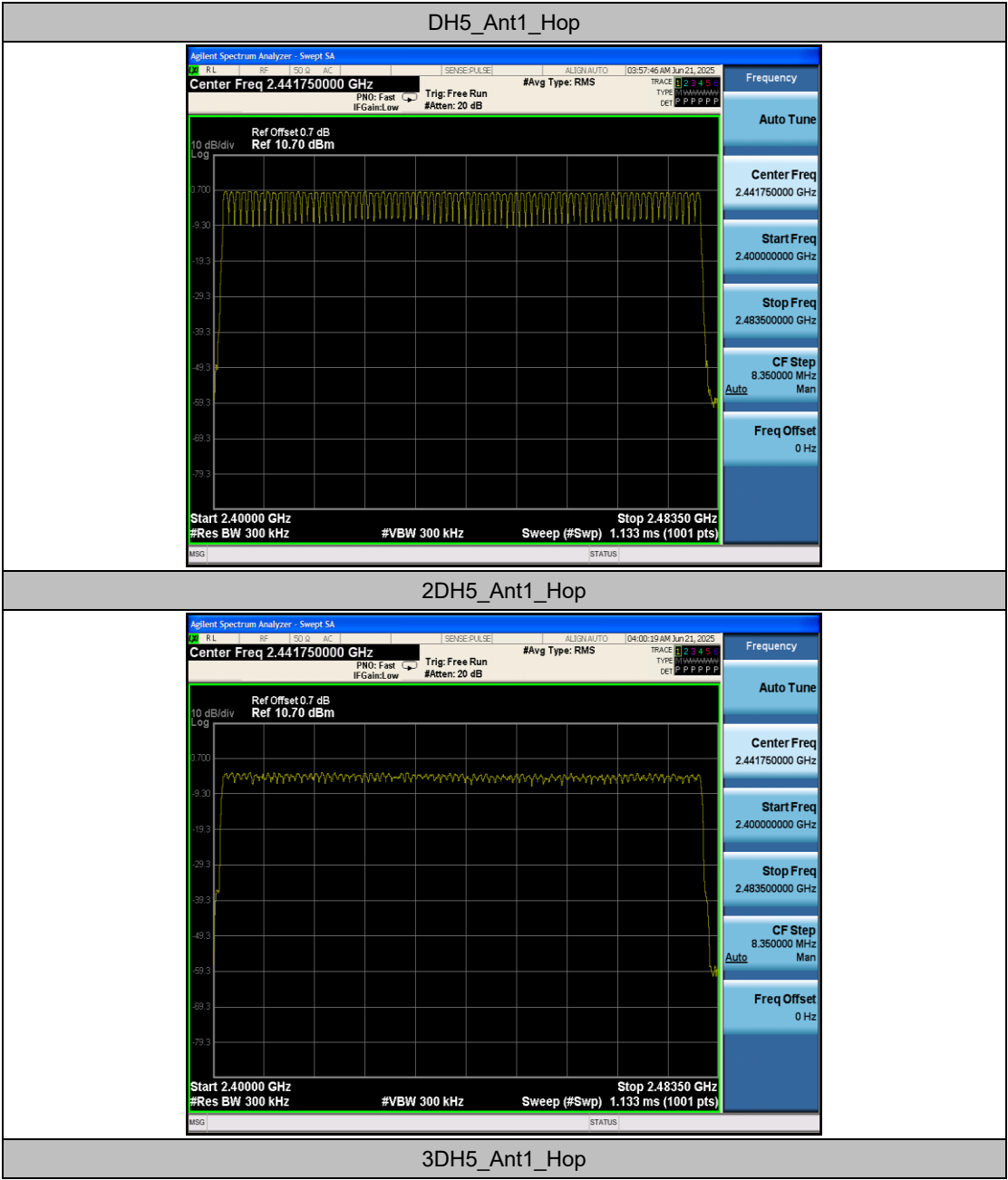


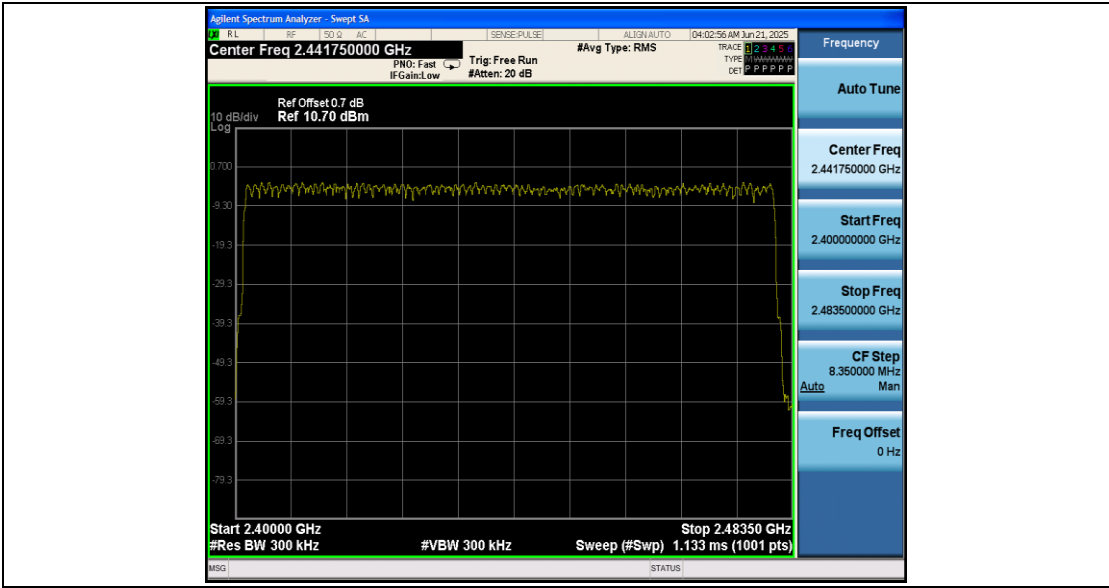
Appendix F: Number of hopping channels

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



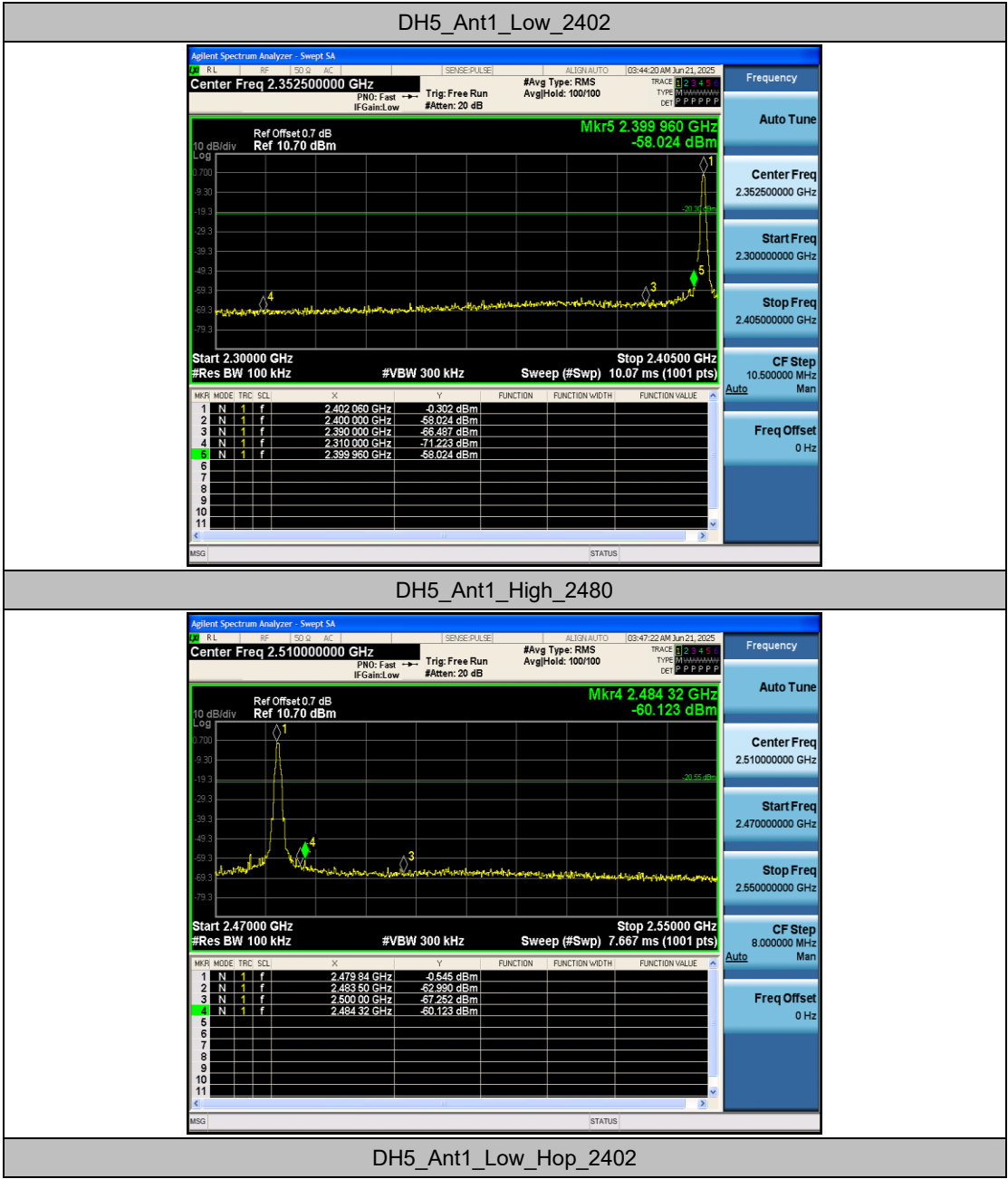


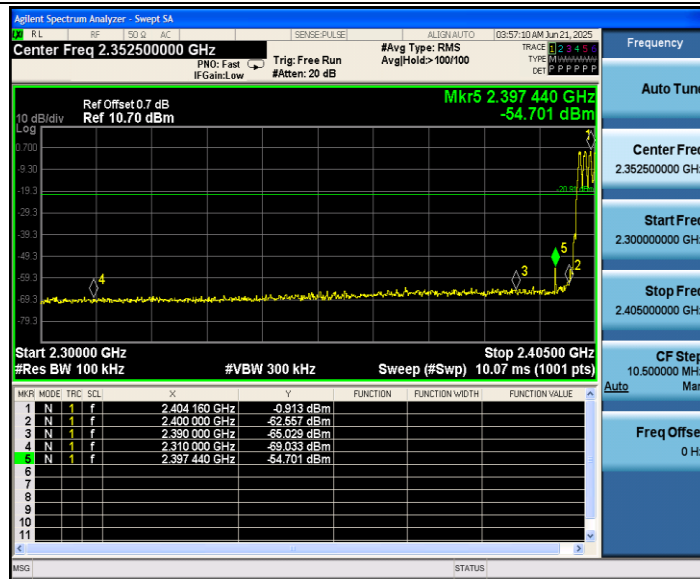
Appendix G: Band edge measurements

Test Result

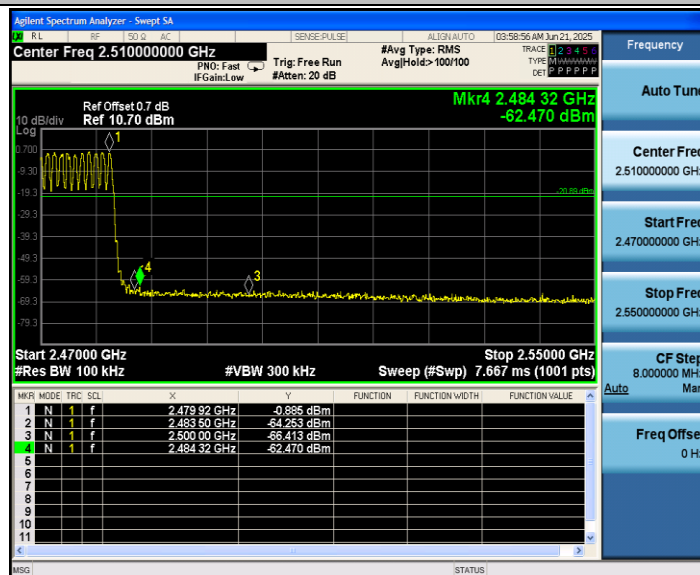
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.30	-58.02	≤ -20.3	PASS
		High	2480	-0.55	-60.12	≤ -20.55	PASS
		Low	Hop_2402	-0.91	-54.7	≤ -20.91	PASS
		High	Hop_2480	-0.89	-62.47	≤ -20.89	PASS
2DH5	Ant1	Low	2402	-4.74	-55.95	≤ -24.74	PASS
		High	2480	-5.65	-63.16	≤ -25.65	PASS
		Low	Hop_2402	-4.43	-63.21	≤ -24.43	PASS
		High	Hop_2480	-3.71	-64.42	≤ -23.71	PASS
3DH5	Ant1	Low	2402	-3.92	-57.14	≤ -23.92	PASS
		High	2480	-4.73	-63.53	≤ -24.73	PASS
		Low	Hop_2402	-6.45	-57.41	≤ -26.45	PASS
		High	Hop_2480	-6.96	-64.21	≤ -26.96	PASS

Test Graphs

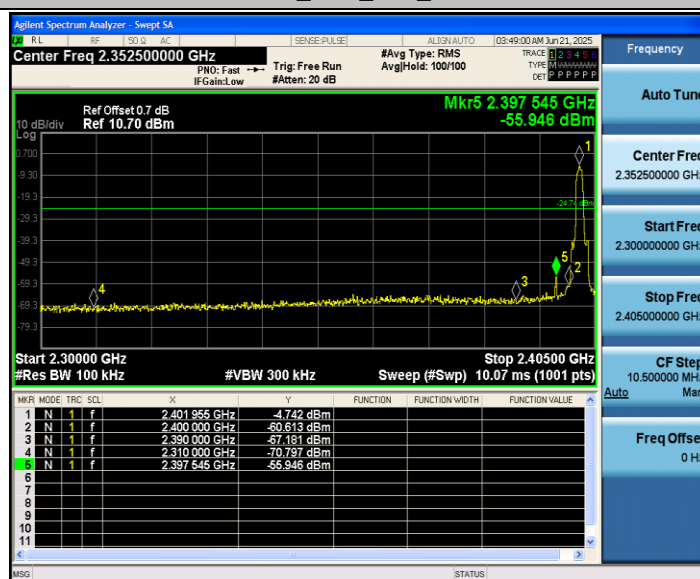




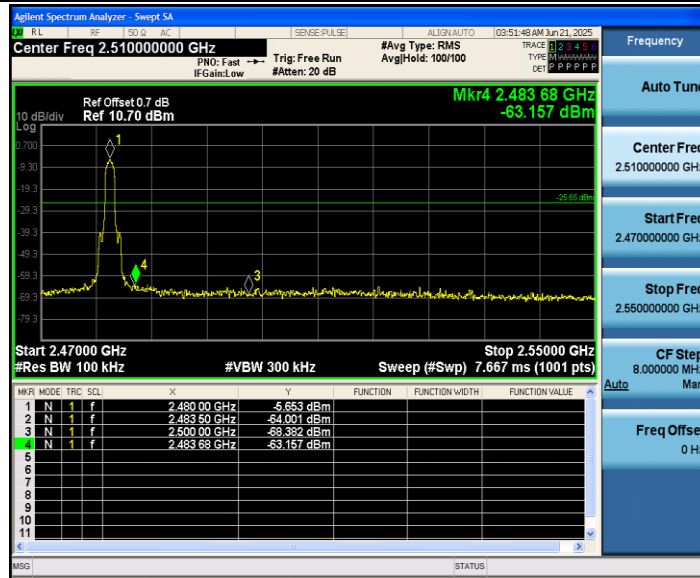
DH5_Ant1_High_Hop_2480



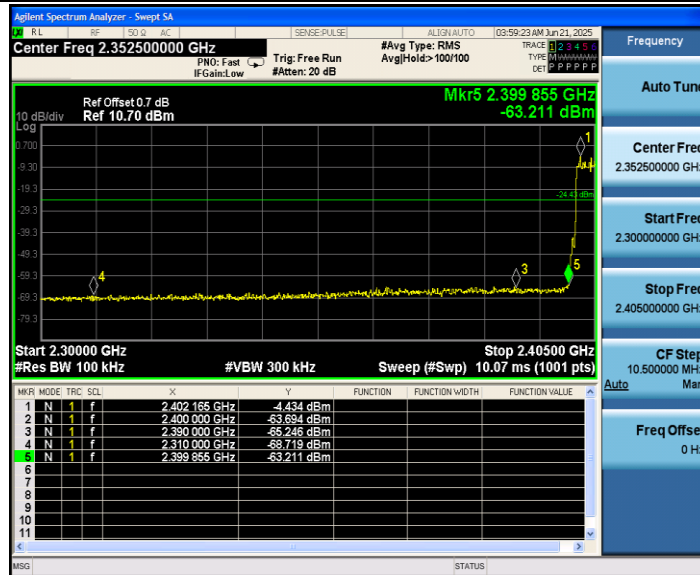
2DH5_Ant1_Low_2402



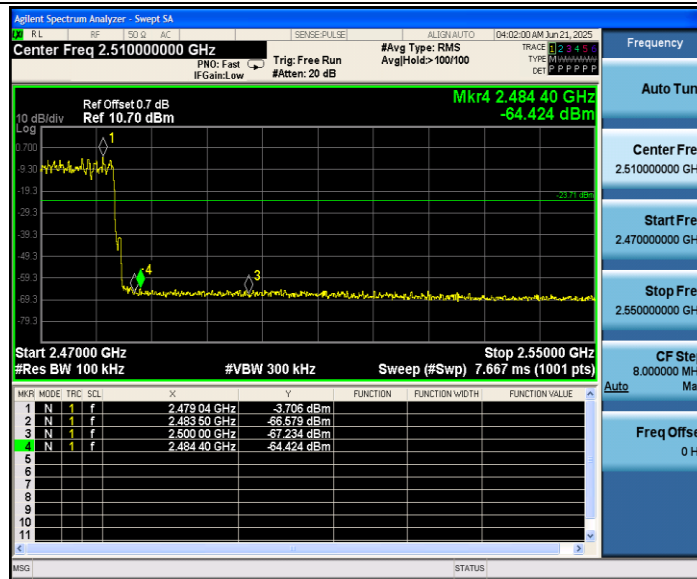
2DH5_Ant1_High_2480



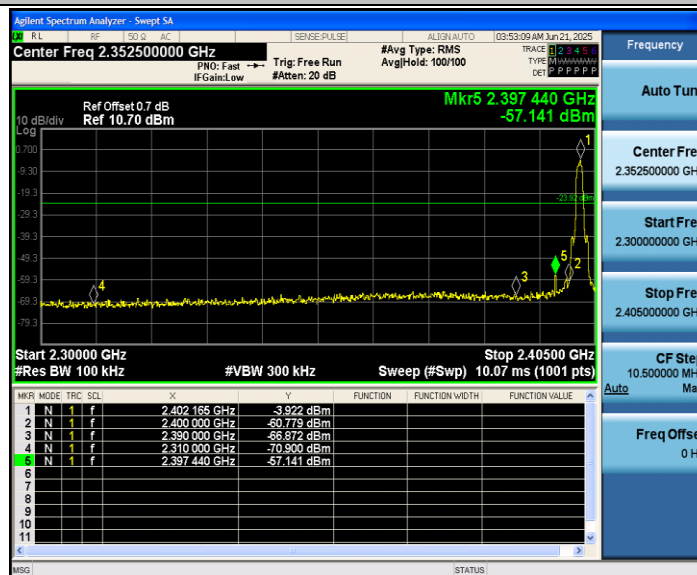
2DH5_Ant1_Low_Hop_2402



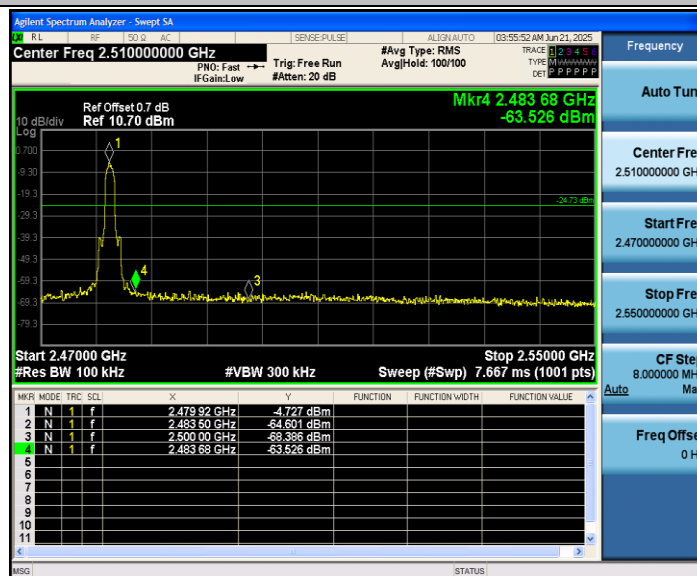
2DH5_Ant1_High_Hop_2480



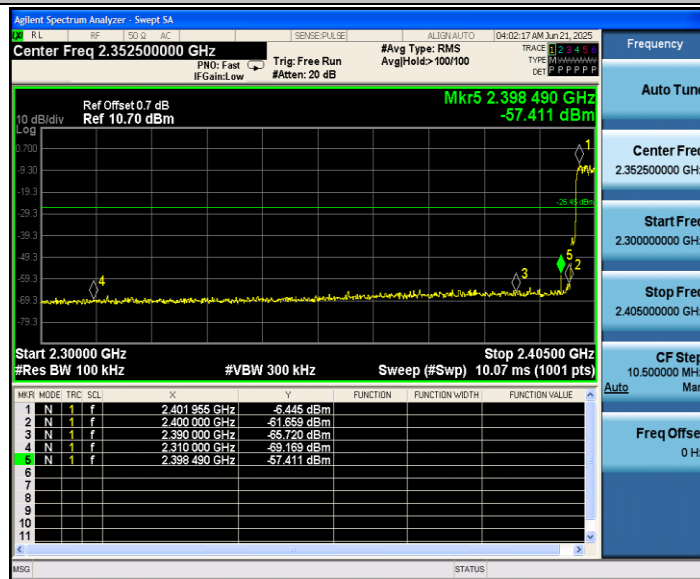
3DH5_Ant1_Low_2402



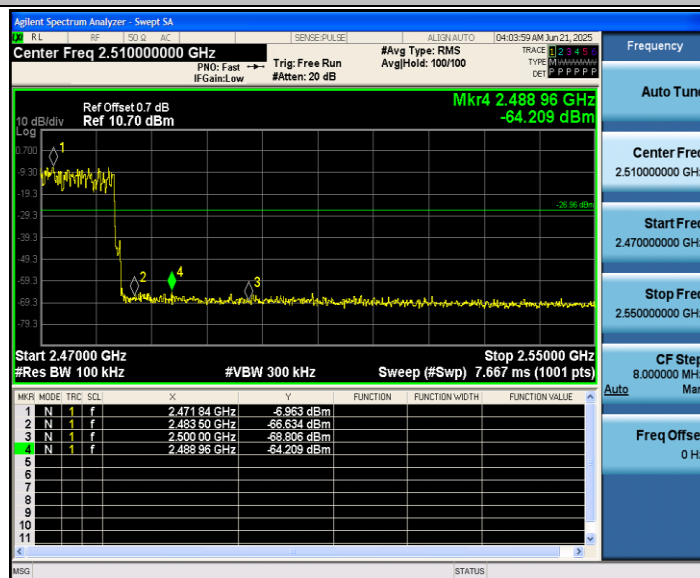
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

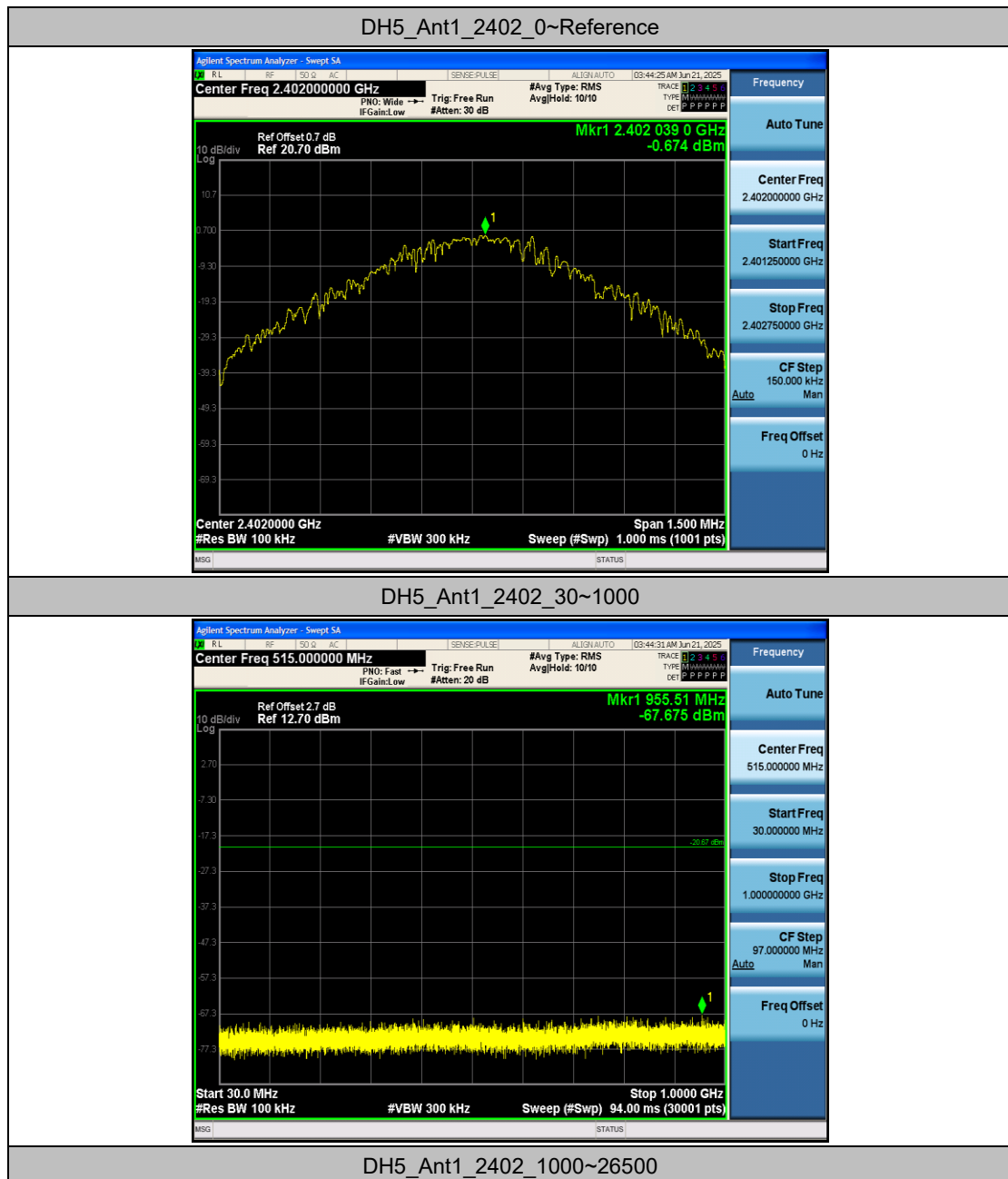


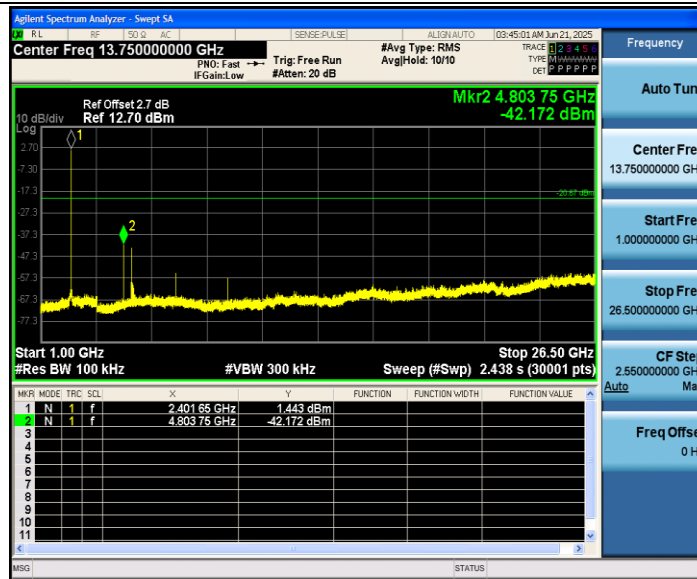
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-67.68	≤-20.67	PASS
			1000~26500	-0.67	-42.17	≤-20.67	PASS
		2441	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-67.73	≤-20.47	PASS
			1000~26500	-0.47	-42.16	≤-20.47	PASS
		2480	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-67.56	≤-21.01	PASS
			1000~26500	-1.01	-43.61	≤-21.01	PASS
2DH5	Ant1	2402	Reference	-6.61	-6.61	---	PASS
			30~1000	-6.61	-67.71	≤-26.61	PASS
			1000~26500	-6.61	-46.53	≤-26.61	PASS
		2441	Reference	-4.91	-4.91	---	PASS
			30~1000	-4.91	-67.49	≤-24.91	PASS
			1000~26500	-4.91	-48.52	≤-24.91	PASS
		2480	Reference	-4.82	-4.82	---	PASS
			30~1000	-4.82	-67.72	≤-24.82	PASS
			1000~26500	-4.82	-48.37	≤-24.82	PASS
3DH5	Ant1	2402	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-67.59	≤-24.27	PASS
			1000~26500	-4.27	-46.3	≤-24.27	PASS
		2441	Reference	-6.27	-6.27	---	PASS
			30~1000	-6.27	-67.71	≤-26.27	PASS
			1000~26500	-6.27	-49.14	≤-26.27	PASS
		2480	Reference	-4.33	-4.33	---	PASS
			30~1000	-4.33	-67.91	≤-24.33	PASS
			1000~26500	-4.33	-49.75	≤-24.33	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

