

FCC Appendix RF Test Data for BT

FCC ID : 2A4C5-SD-1106

Company : Cosmo Fiber Corp.

EUT : wireless headset

Model Number : SD-1106

Report No. : CTA25112701201

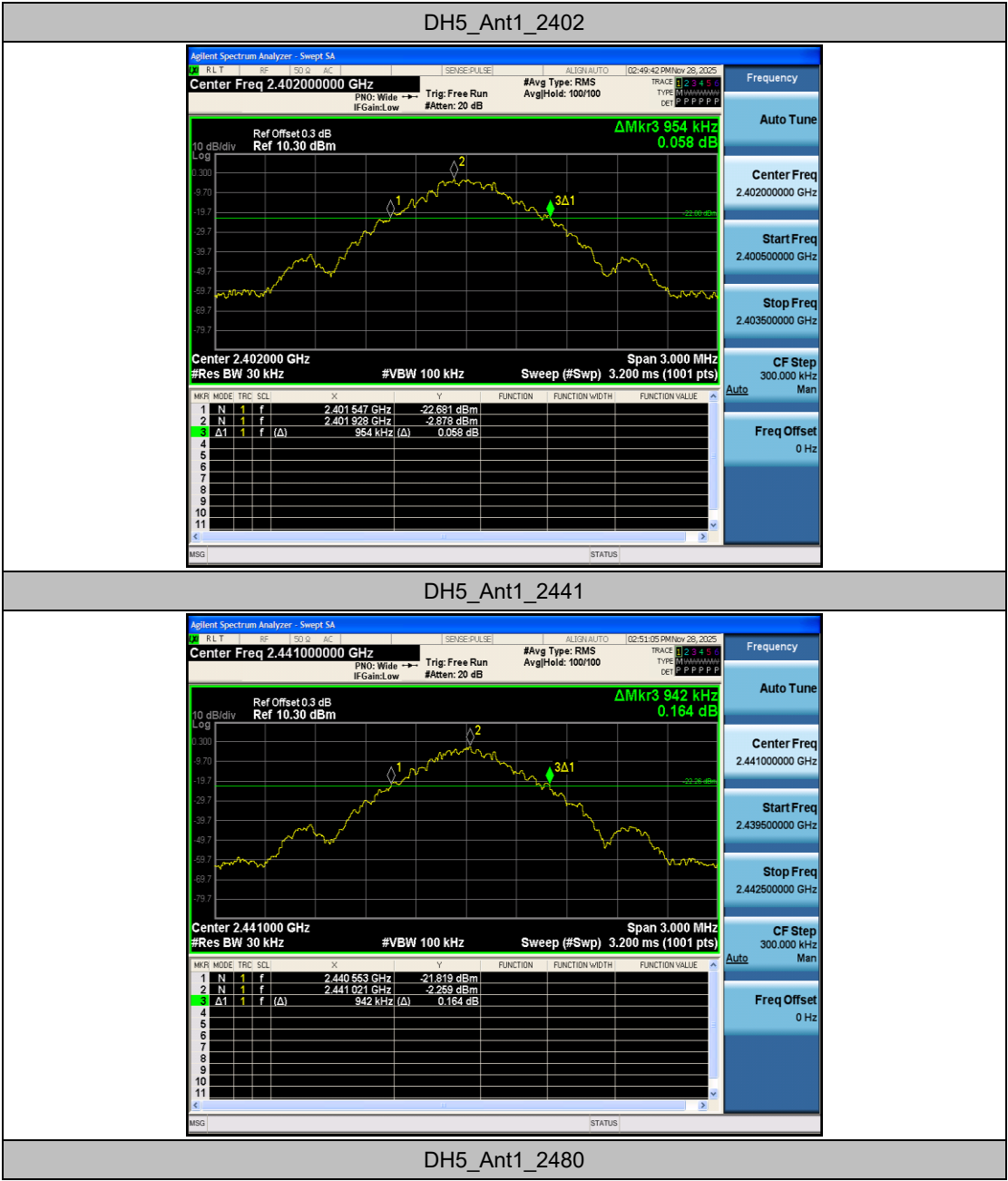
Reviewed By : Eric Wang

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	2401.547	2402.501	---	---
		2441	0.942	2440.553	2441.495	---	---
		2480	0.945	2479.550	2480.495	---	---
2DH5	Ant1	2402	1.278	2401.385	2402.663	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.341	2479.340	2480.681	---	---
3DH5	Ant1	2402	1.308	2401.355	2402.663	---	---
		2441	1.281	2440.379	2441.660	---	---
		2480	1.311	2479.358	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

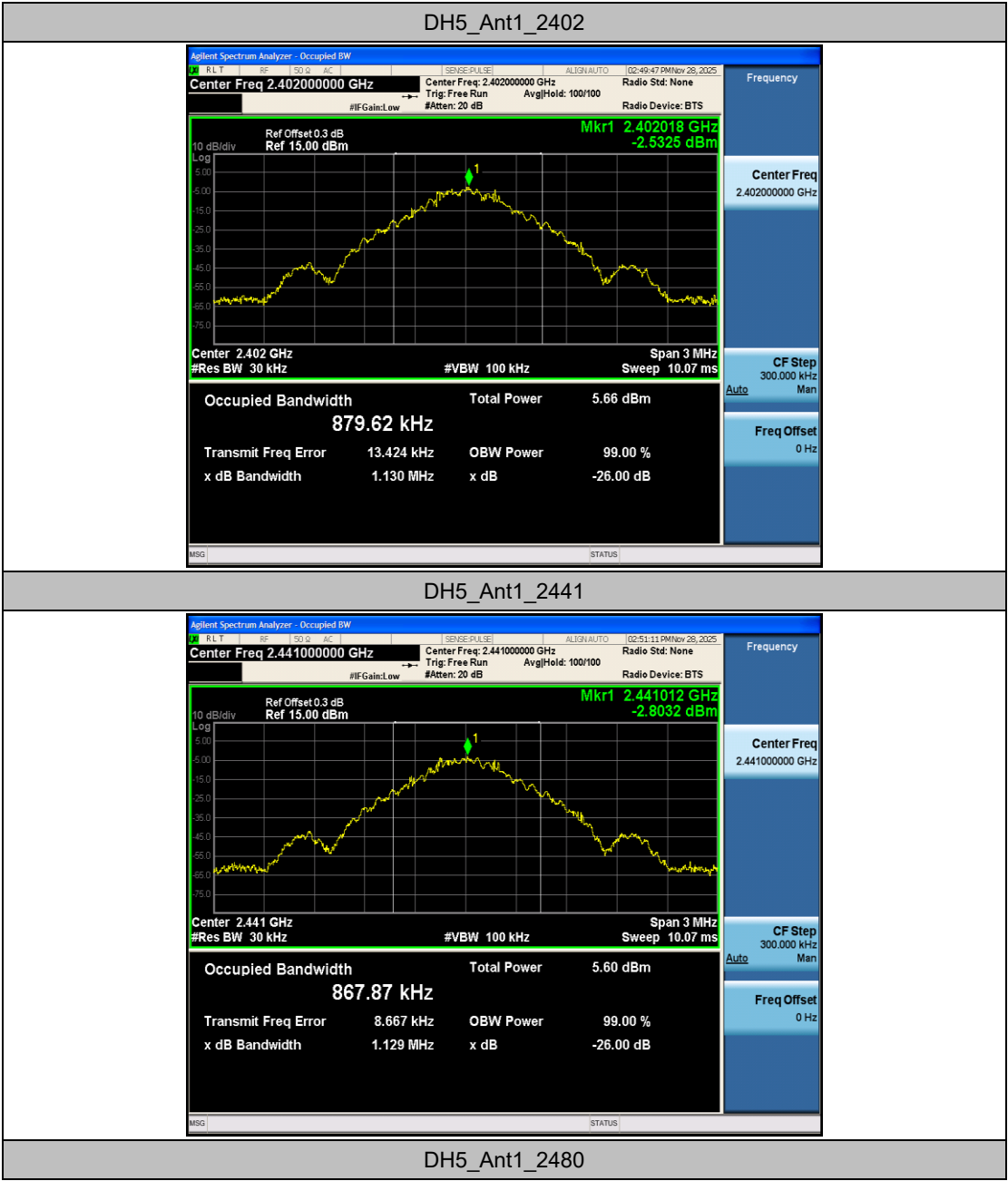


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87962	2401.5736	2402.4532	---	---
		2441	0.86787	2440.5747	2441.4426	---	---
		2480	0.87068	2479.5771	2480.4478	---	---
2DH5	Ant1	2402	1.1914	2401.4160	2402.6074	---	---
		2441	1.1924	2440.4149	2441.6073	---	---
		2480	1.1895	2479.4167	2480.6062	---	---
3DH5	Ant1	2402	1.1868	2401.4183	2402.6051	---	---
		2441	1.1917	2440.4162	2441.6079	---	---
		2480	1.1900	2479.4159	2480.6059	---	---

Test Graphs



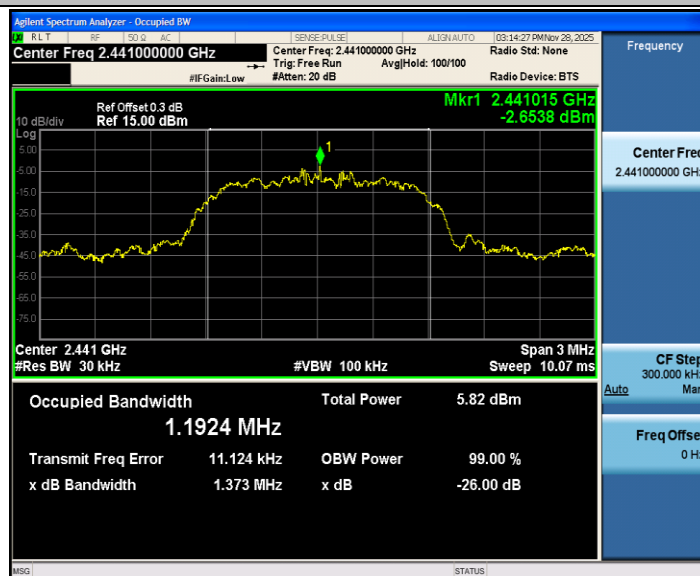
DH5_Ant1_2480



2DH5_Ant1_2402



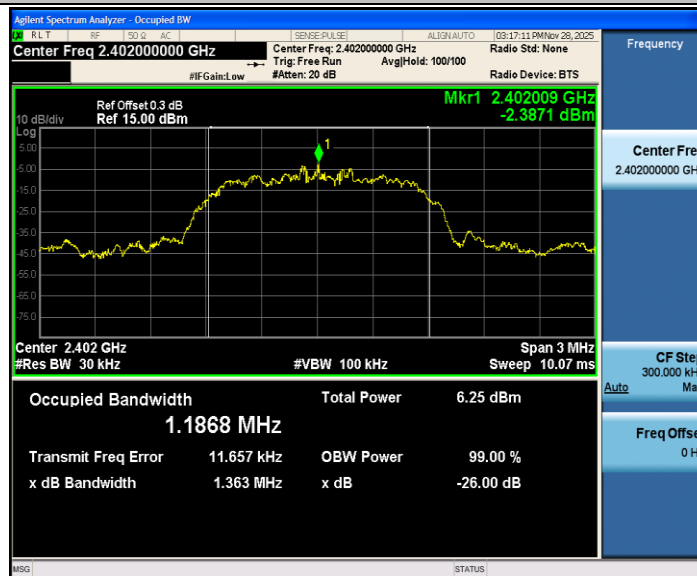
2DH5_Ant1_2441



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	-0.14	≤20.97	PASS
		2441	-0.35	≤20.97	PASS
		2480	-0.43	≤20.97	PASS
2DH5	Ant1	2402	2.61	≤20.97	PASS
		2441	2.30	≤20.97	PASS
		2480	2.24	≤20.97	PASS
3DH5	Ant1	2402	2.63	≤20.97	PASS
		2441	2.34	≤20.97	PASS
		2480	2.29	≤20.97	PASS

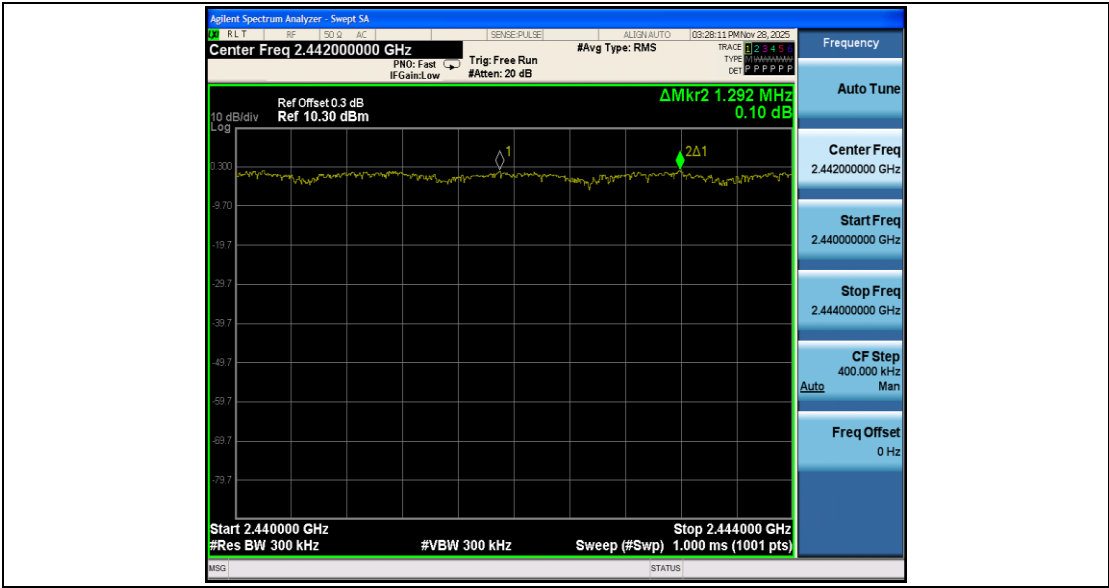
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.954	PASS
2DH5	Ant1	Hop	0.98	≥ 0.894	PASS
3DH5	Ant1	Hop	1.292	≥ 0.874	PASS

Test Graphs



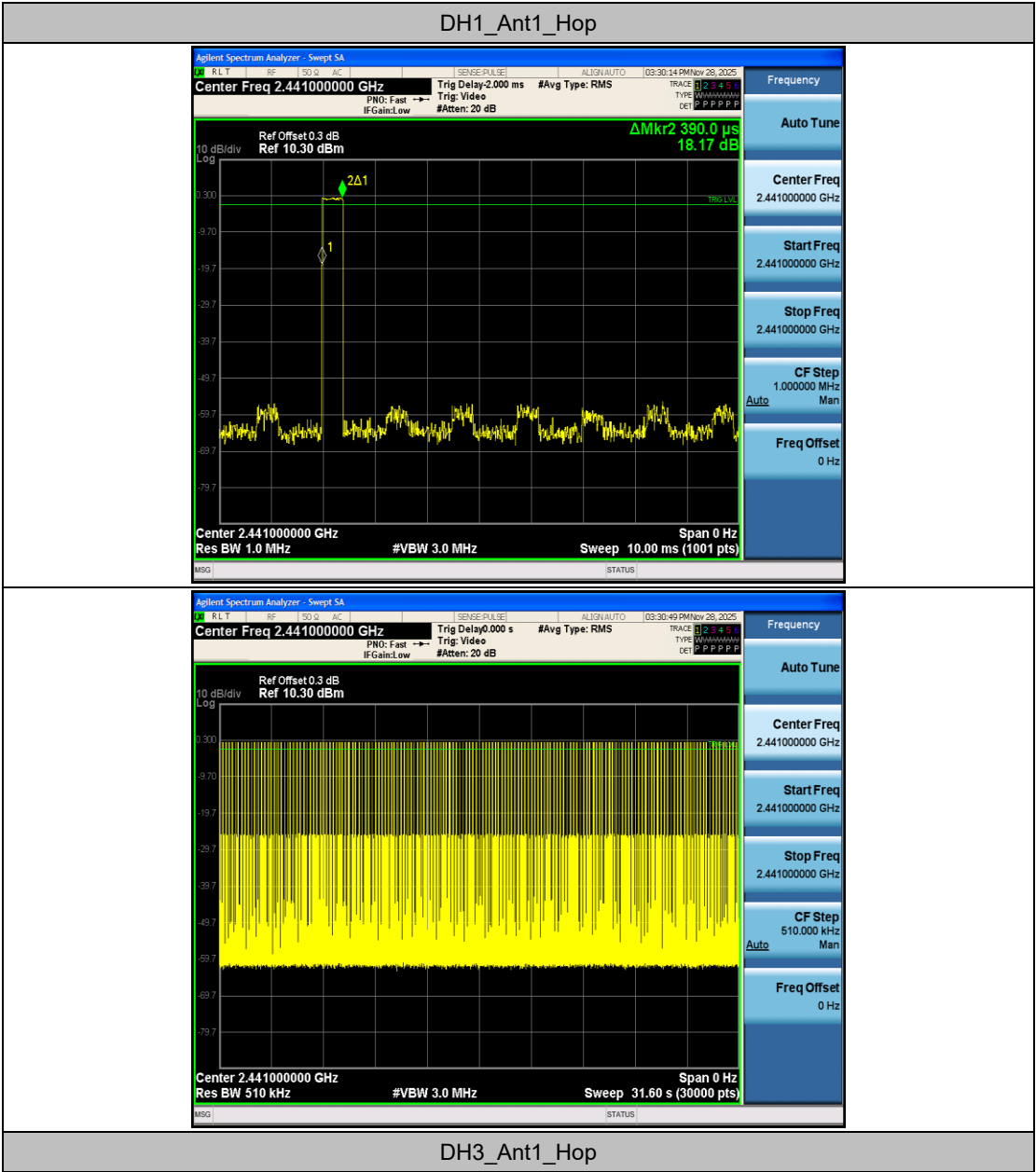


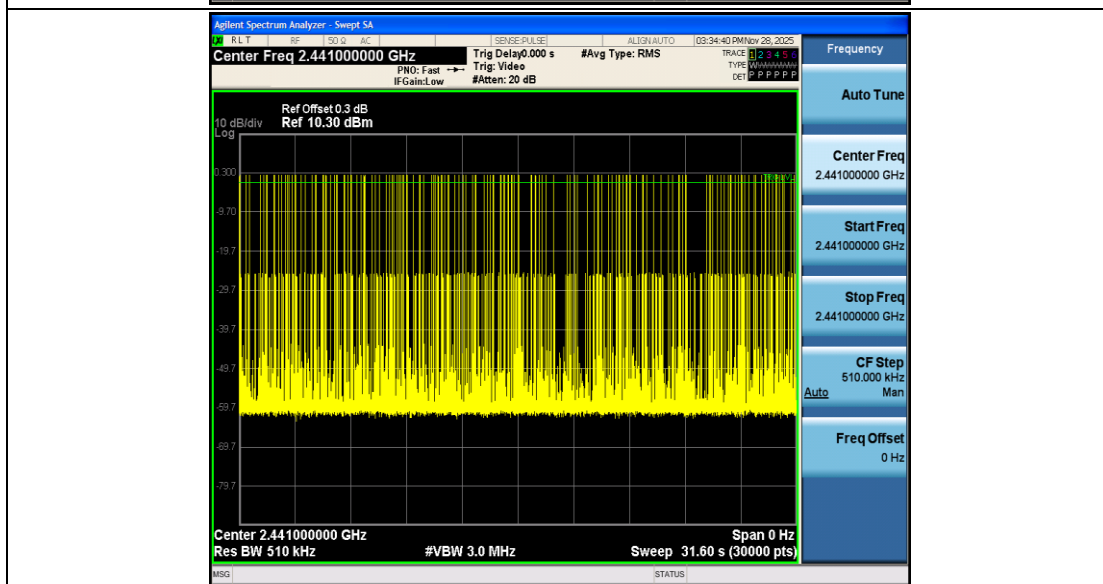
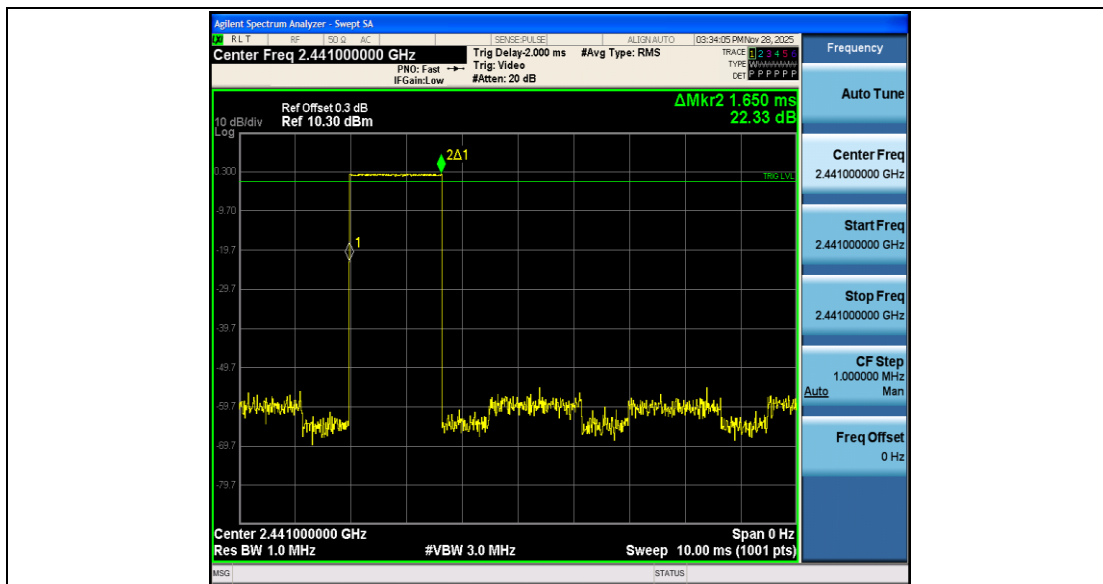
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	157	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.900	112	0.325	≤0.4	PASS
2DH1	Ant1	Hop	0.380	318	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.640	167	0.274	≤0.4	PASS
2DH5	Ant1	Hop	2.900	110	0.319	≤0.4	PASS
3DH1	Ant1	Hop	0.380	318	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.640	141	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.900	120	0.348	≤0.4	PASS

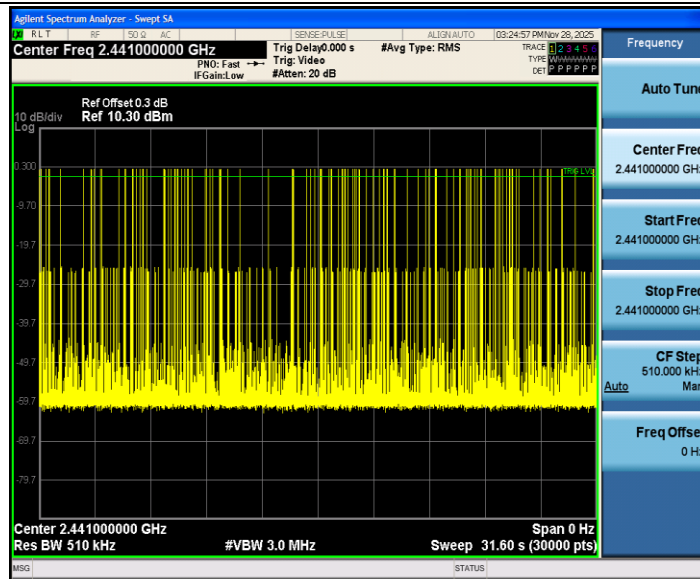
Test Graphs



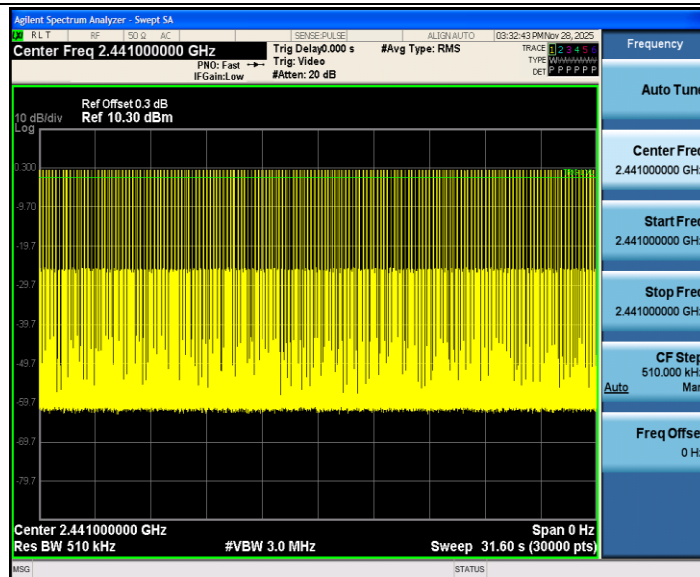
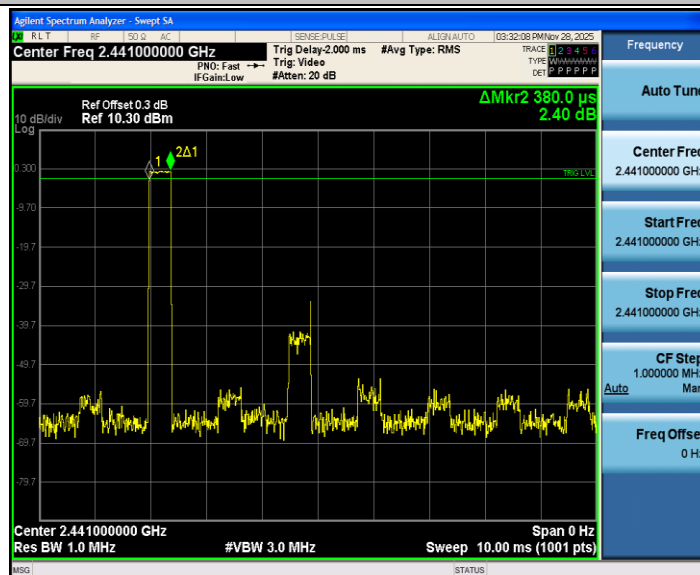


DH5_Ant1_Hop

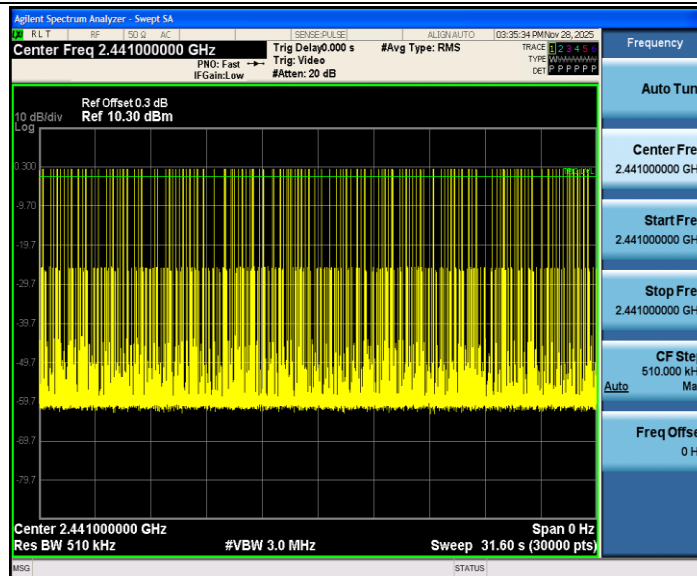
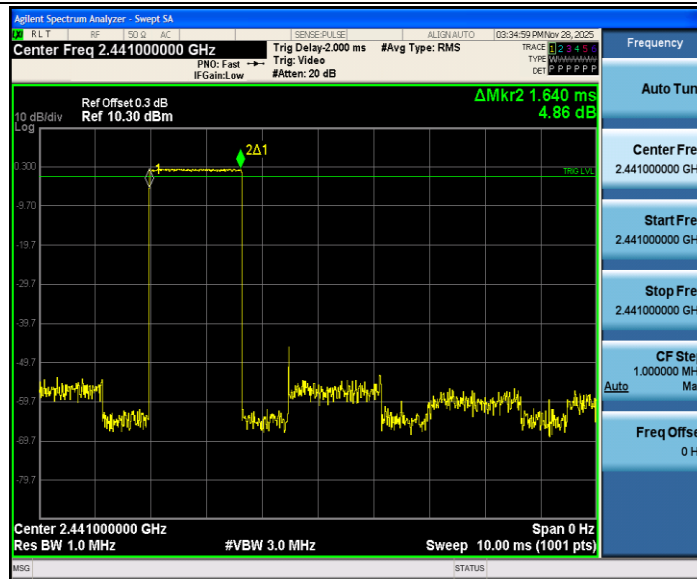




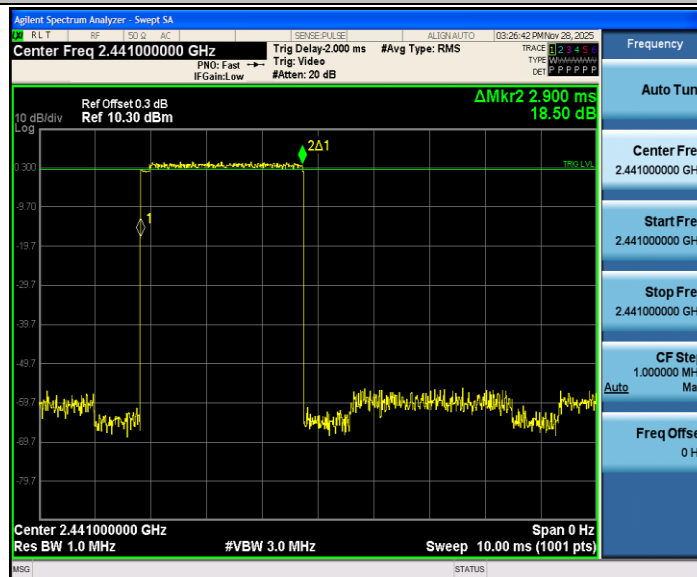
2DH1_Ant1_Hop

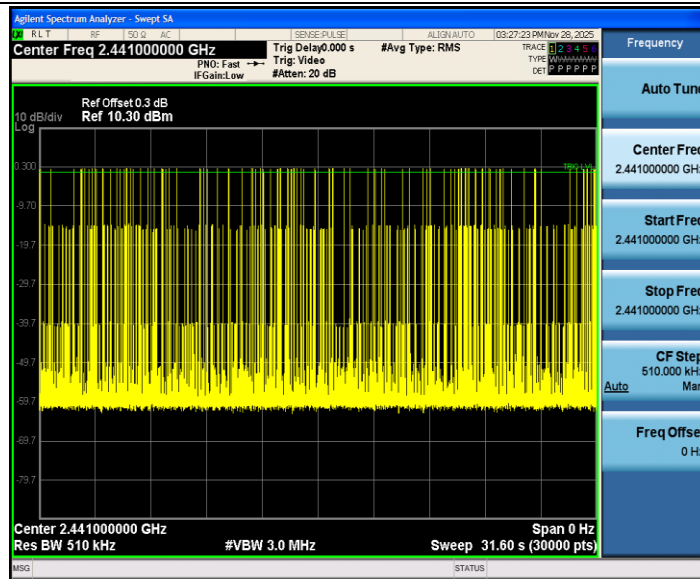


2DH3_Ant1_Hop

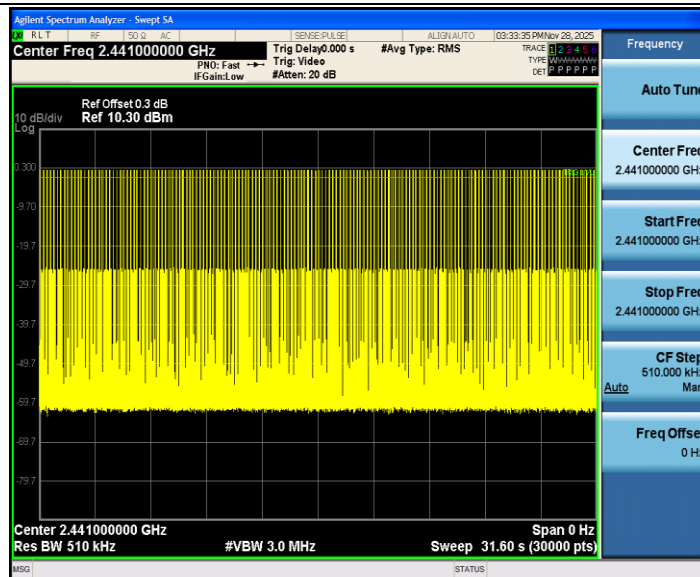
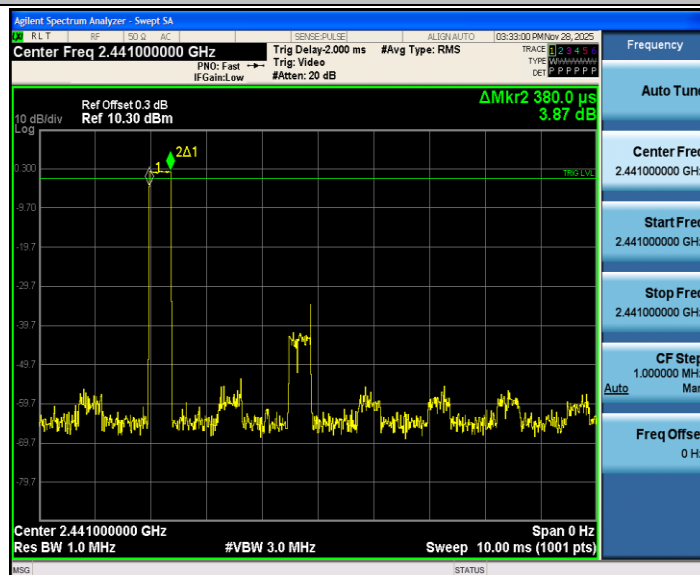


2DH5_Ant1_Hop

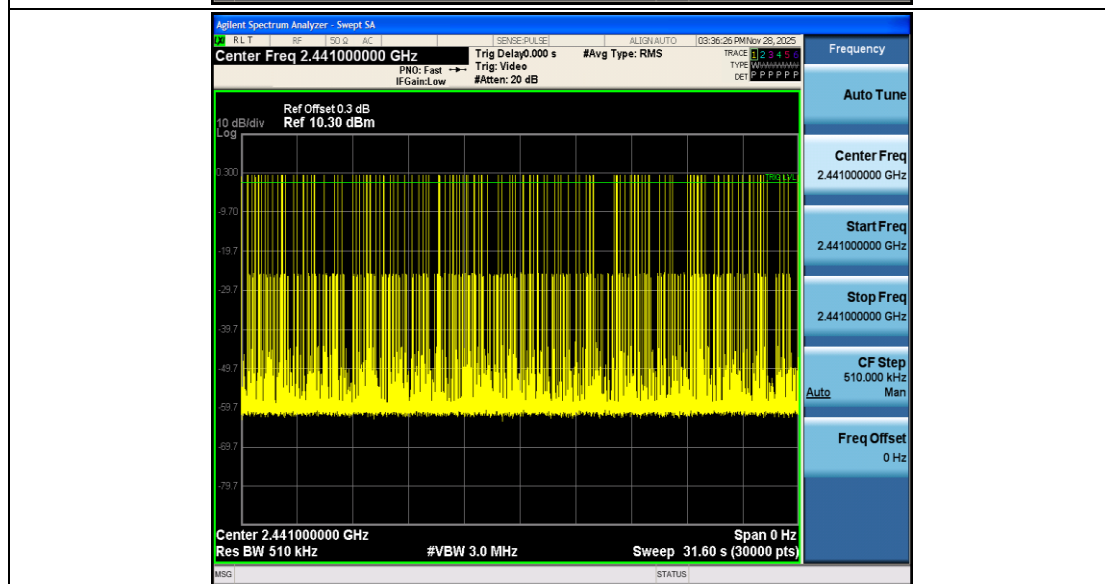
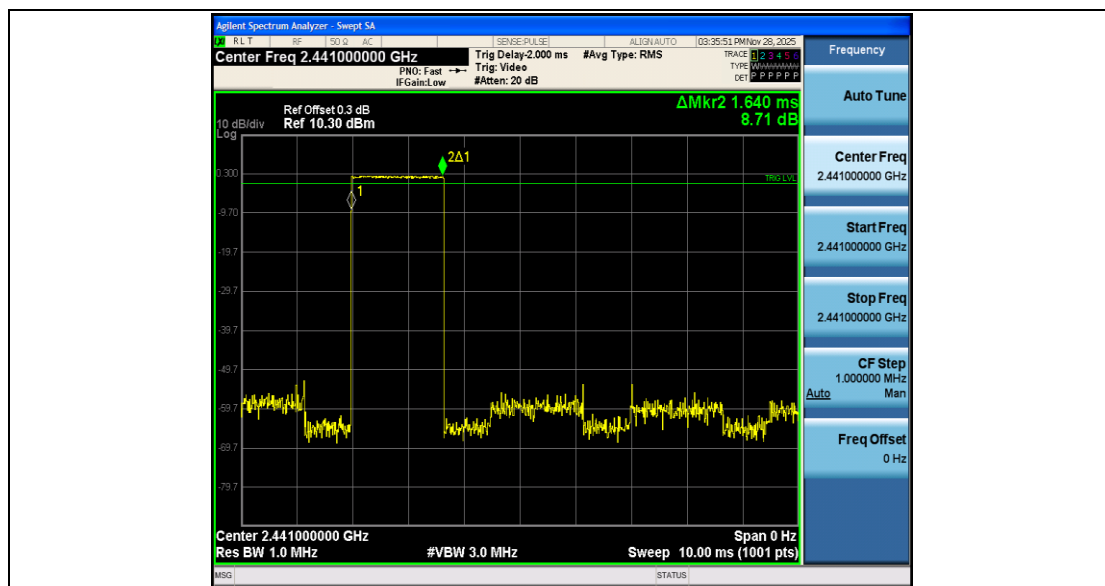




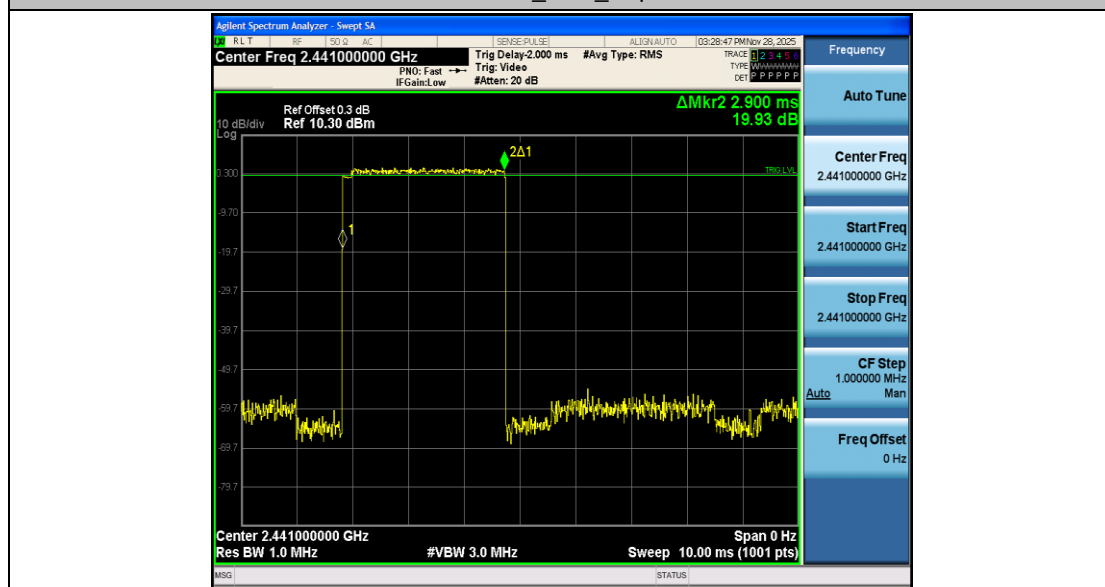
3DH1_Ant1_Hop

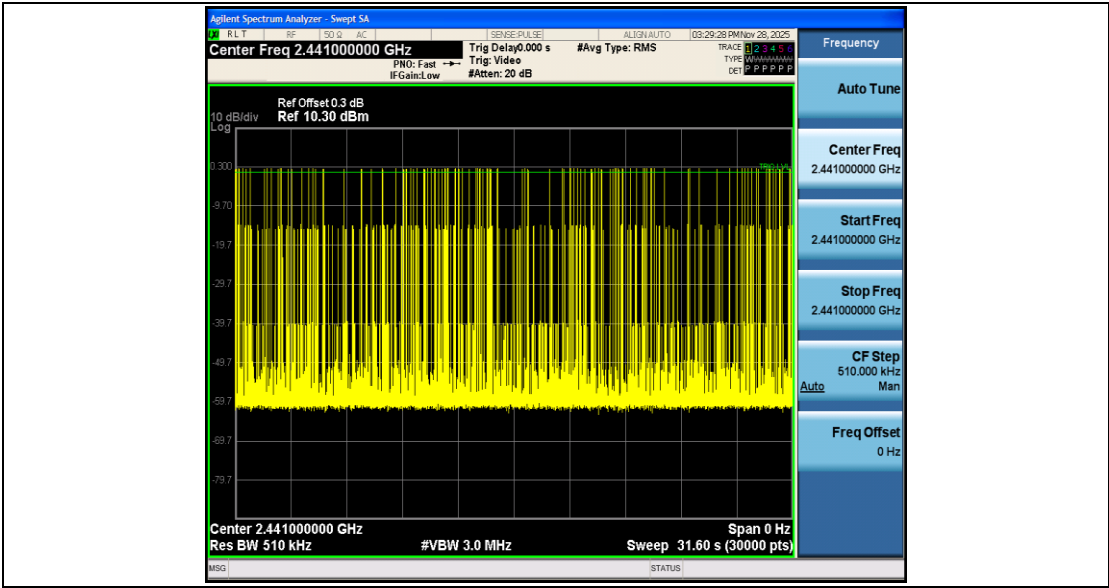


3DH3_Ant1_Hop



3DH5_Ant1_Hop





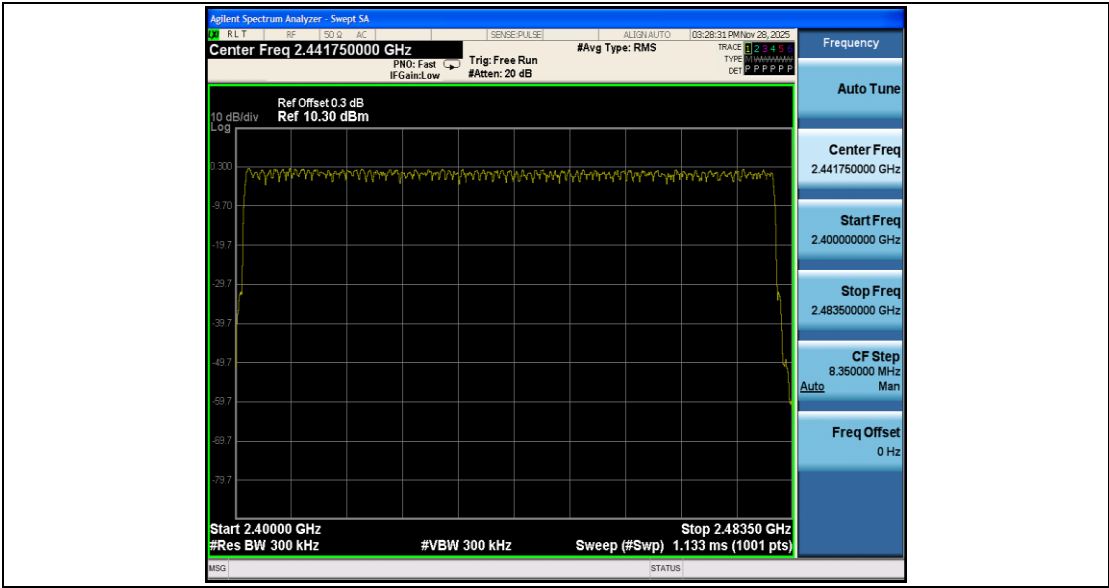
Appendix F: Number of hopping channels

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



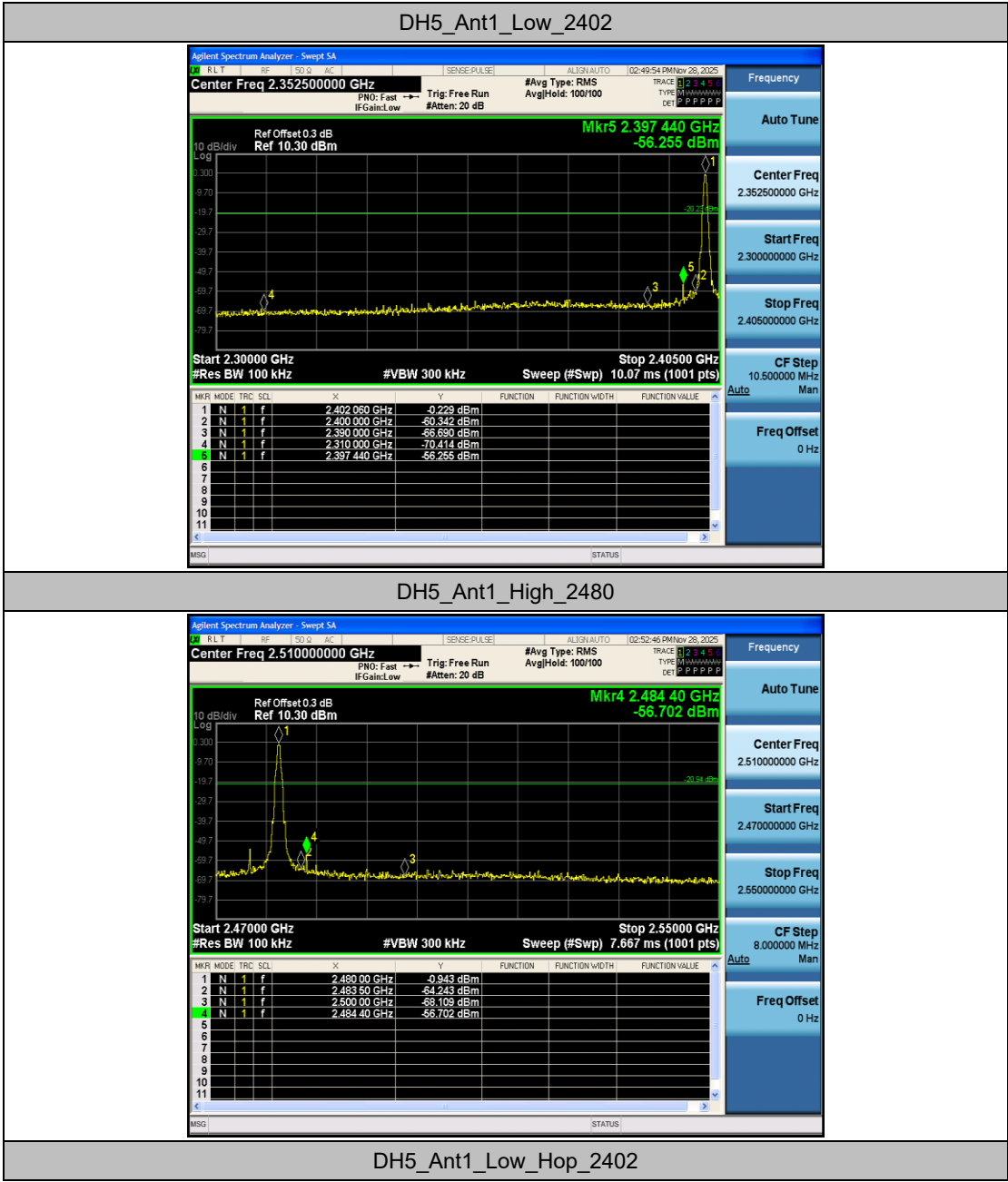


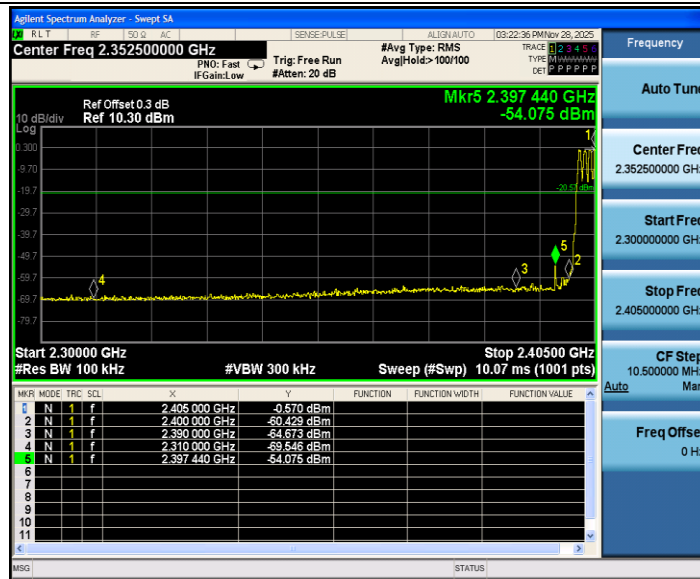
Appendix G: Band edge measurements

Test Result

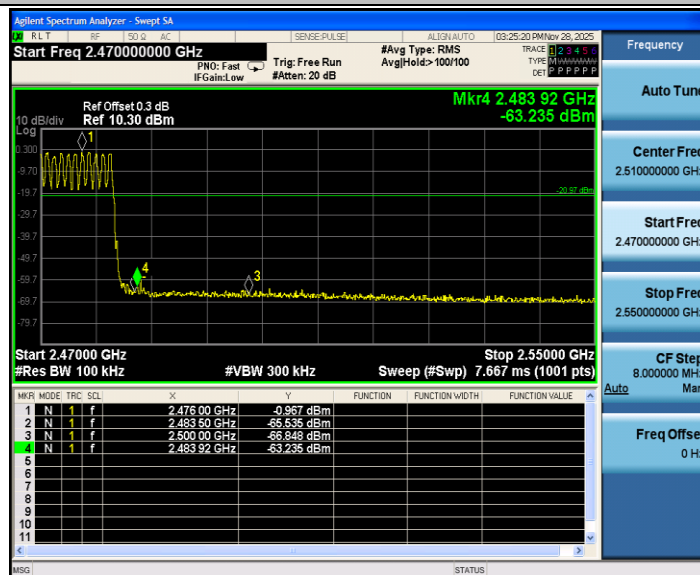
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.23	-56.26	≤-20.23	PASS
		High	2480	-0.94	-56.7	≤-20.94	PASS
		Low	Hop_2402	-0.57	-54.08	≤-20.57	PASS
		High	Hop_2480	-0.97	-63.24	≤-20.97	PASS
2DH5	Ant1	Low	2402	-1.83	-50.76	≤-21.83	PASS
		High	2480	-0.93	-54.05	≤-20.93	PASS
		Low	Hop_2402	-1.11	-52.99	≤-21.11	PASS
		High	Hop_2480	-0.48	-63.09	≤-20.48	PASS
3DH5	Ant1	Low	2402	-0.15	-51.79	≤-20.15	PASS
		High	2480	-0.35	-52.83	≤-20.35	PASS
		Low	Hop_2402	-0.21	-54.59	≤-20.21	PASS
		High	Hop_2480	-1.18	-62.04	≤-21.18	PASS

Test Graphs

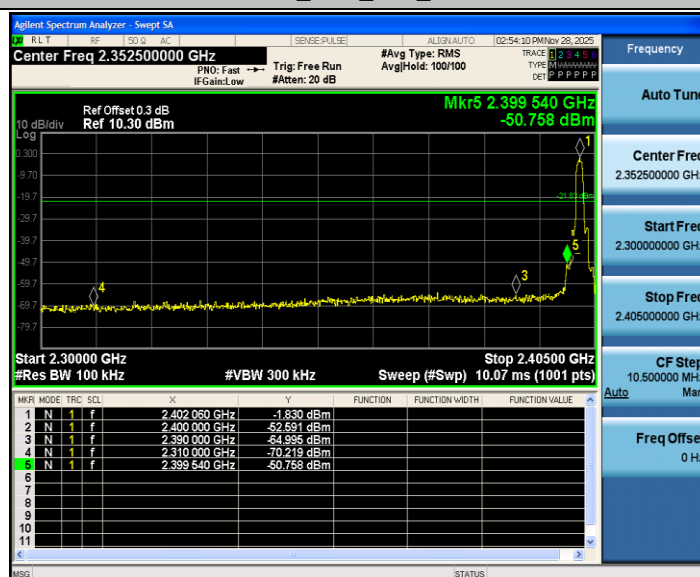




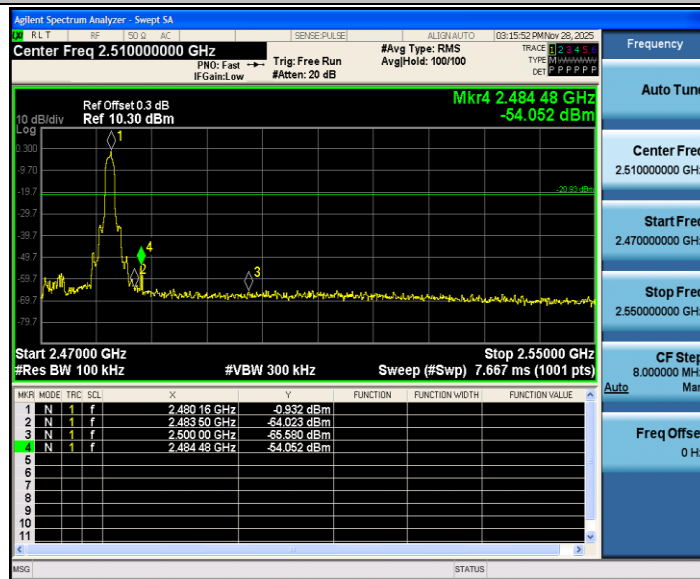
DH5_Ant1_High_Hop_2480



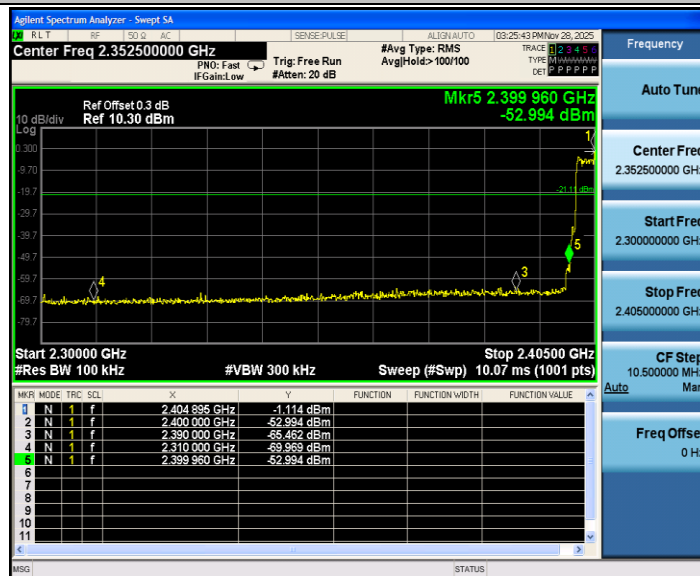
2DH5_Ant1_Low_2402



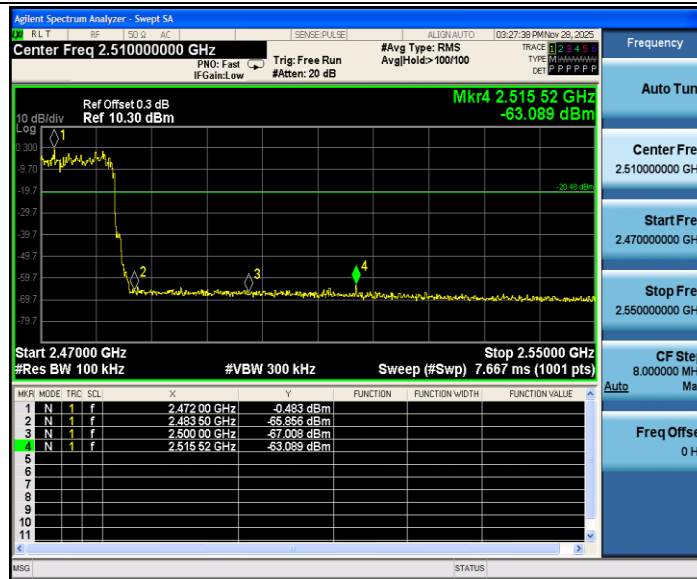
2DH5_Ant1_High_2480



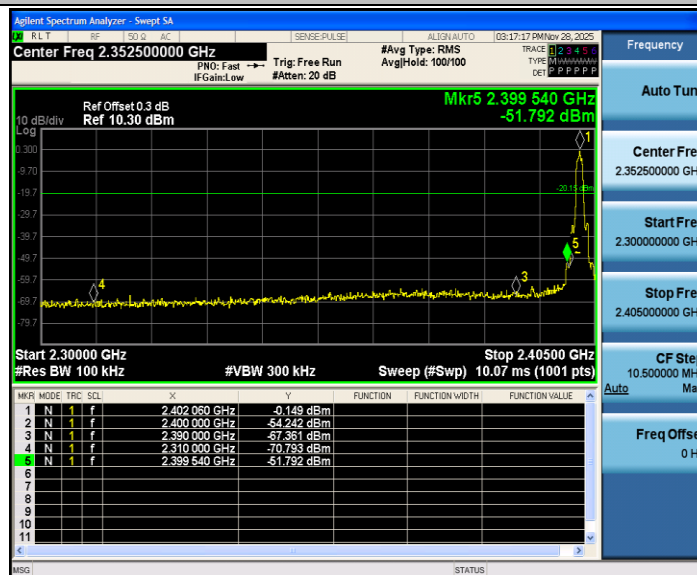
2DH5_Ant1_Low_Hop_2402



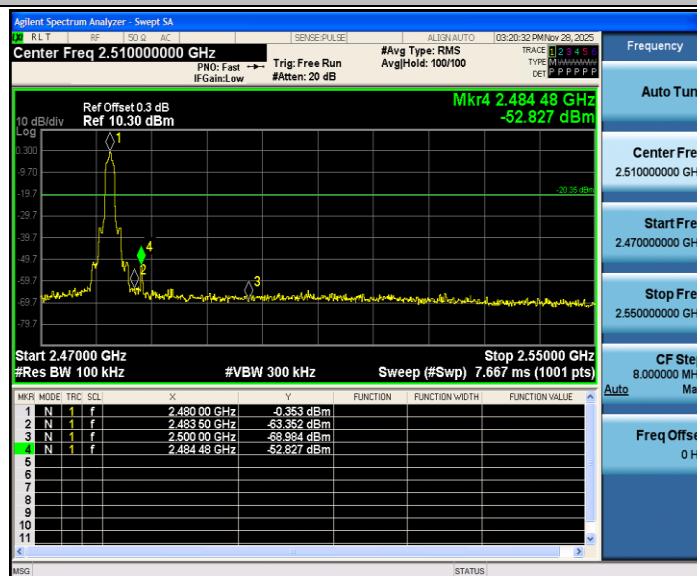
2DH5_Ant1_High_Hop_2480



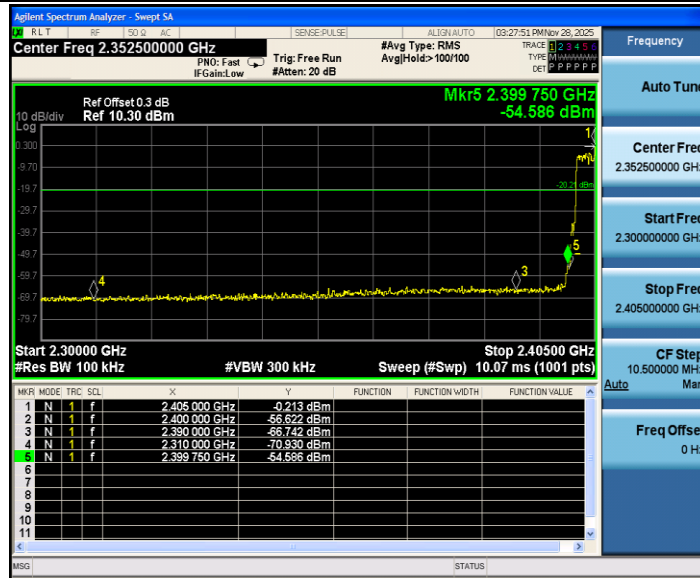
3DH5_Ant1_Low_2402



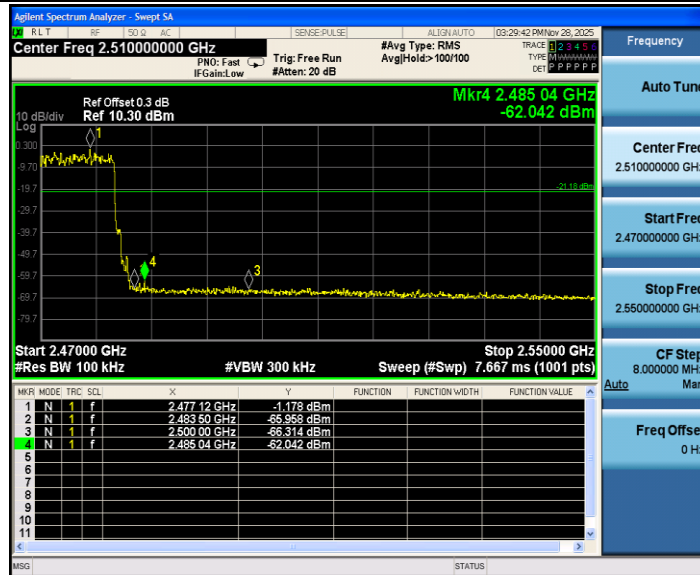
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

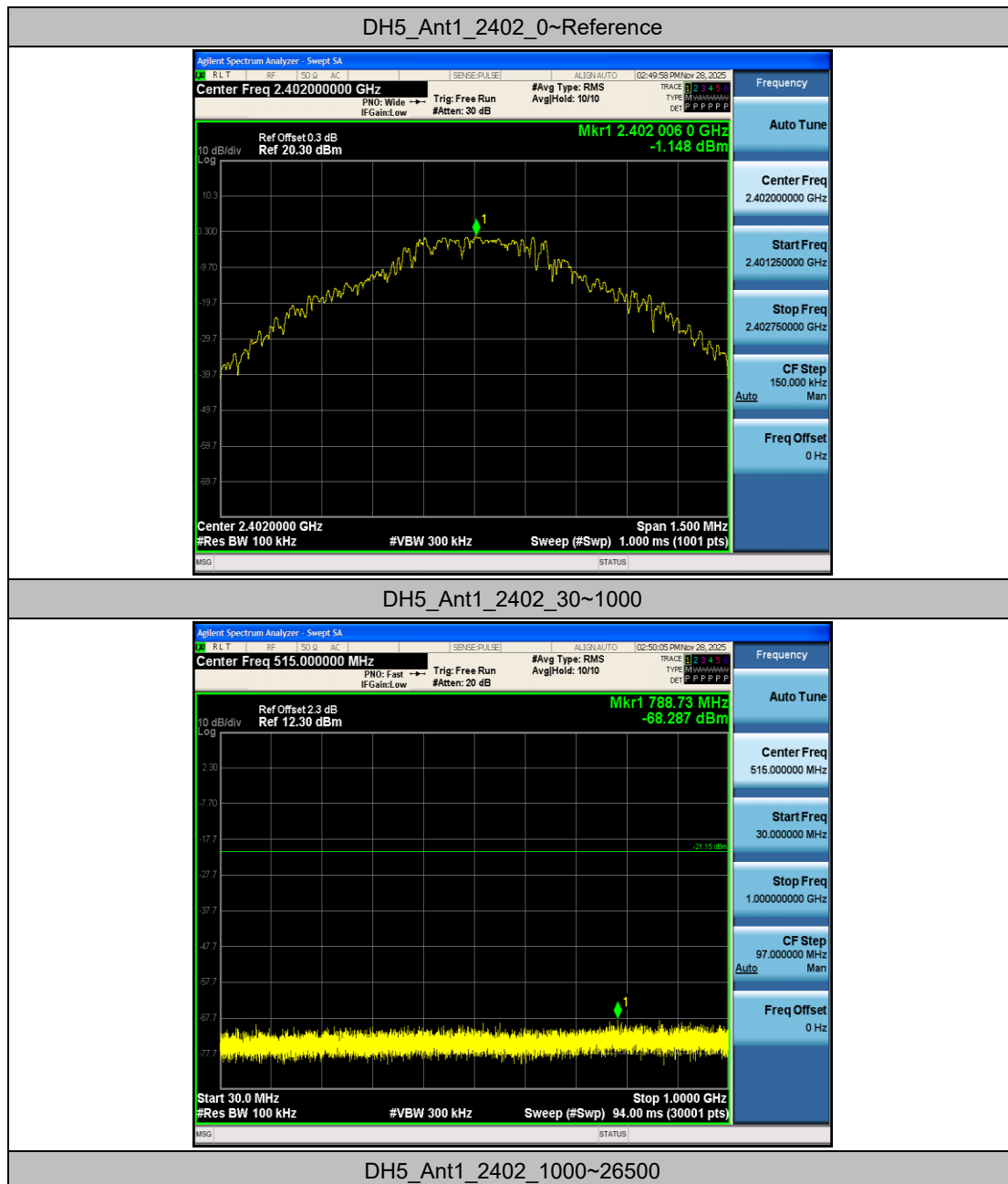


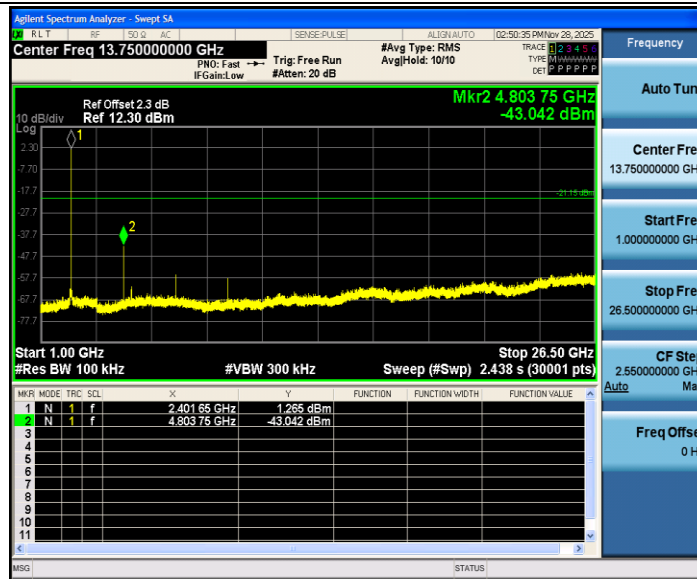
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.15	-1.15	---	PASS
			30~1000	-1.15	-68.29	≤-21.15	PASS
			1000~26500	-1.15	-43.04	≤-21.15	PASS
		2441	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-67.96	≤-21.57	PASS
			1000~26500	-1.57	-43.88	≤-21.57	PASS
		2480	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-66.93	≤-21.18	PASS
			1000~26500	-1.18	-43.82	≤-21.18	PASS
2DH5	Ant1	2402	Reference	-1.94	-1.94	---	PASS
			30~1000	-1.94	-68.47	≤-21.94	PASS
			1000~26500	-1.94	-44.39	≤-21.94	PASS
		2441	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-68.41	≤-20.56	PASS
			1000~26500	-0.56	-46.07	≤-20.56	PASS
		2480	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-68.1	≤-21.01	PASS
			1000~26500	-1.01	-46.77	≤-21.01	PASS
3DH5	Ant1	2402	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-68.25	≤-22.81	PASS
			1000~26500	-2.81	-44.34	≤-22.81	PASS
		2441	Reference	-2.91	-2.91	---	PASS
			30~1000	-2.91	-67.86	≤-22.91	PASS
			1000~26500	-2.91	-43.46	≤-22.91	PASS
		2480	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-63.8	≤-21.11	PASS
			1000~26500	-1.11	-46	≤-21.11	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

