

FCC Appendix RF Test Data for BT

FCC ID : 2BVWM-S30SE

Company : SHARE3DCAM LIMITED

EUT : Real-Scene 3D LiDAR Scanner

Model Number : SHARE3DCAM S30 SE

Report No. : CTA26040801101

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	2401.547	2402.498	---	---
		2441	0.942	2440.553	2441.495	---	---
		2480	0.954	2479.544	2480.498	---	---
2DH5	Ant1	2402	1.278	2401.379	2402.657	---	---
		2441	1.362	2440.331	2441.693	---	---
		2480	1.275	2479.382	2480.657	---	---
3DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
		2441	1.299	2440.361	2441.660	---	---
		2480	1.299	2479.367	2480.666	---	---

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	0.85941	2401.5808	2402.4402	---	---
		2441	0.87402	2440.5753	2441.4493	---	---
		2480	0.87758	2479.5744	2480.4520	---	---
2DH5	Ant1	2402	1.1898	2401.4132	2402.6030	---	---
		2441	1.1830	2440.4197	2441.6027	---	---
		2480	1.1853	2479.4190	2480.6043	---	---
3DH5	Ant1	2402	1.1893	2401.4166	2402.6059	---	---
		2441	1.1995	2440.4089	2441.6084	---	---
		2480	1.1950	2479.4148	2480.6098	---	---

Test Graphs

DH5_Ant1_2402



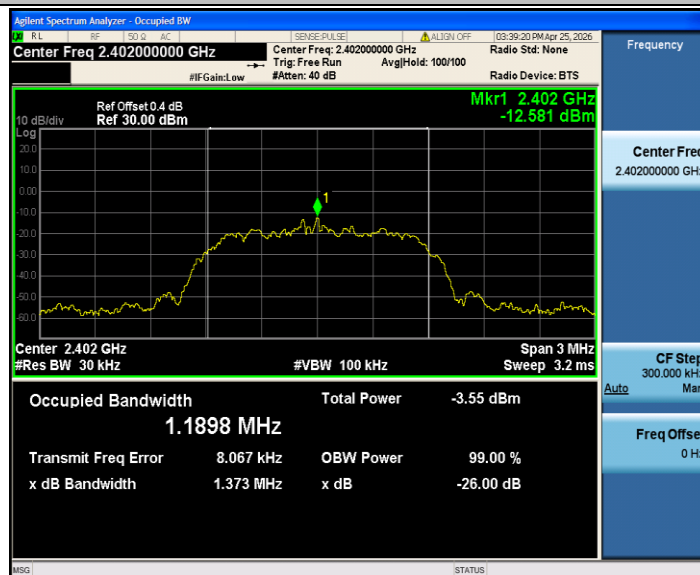
DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



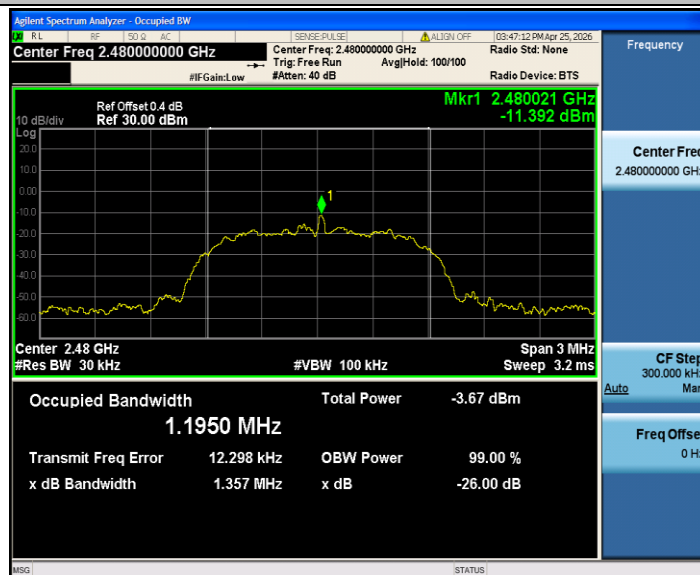
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

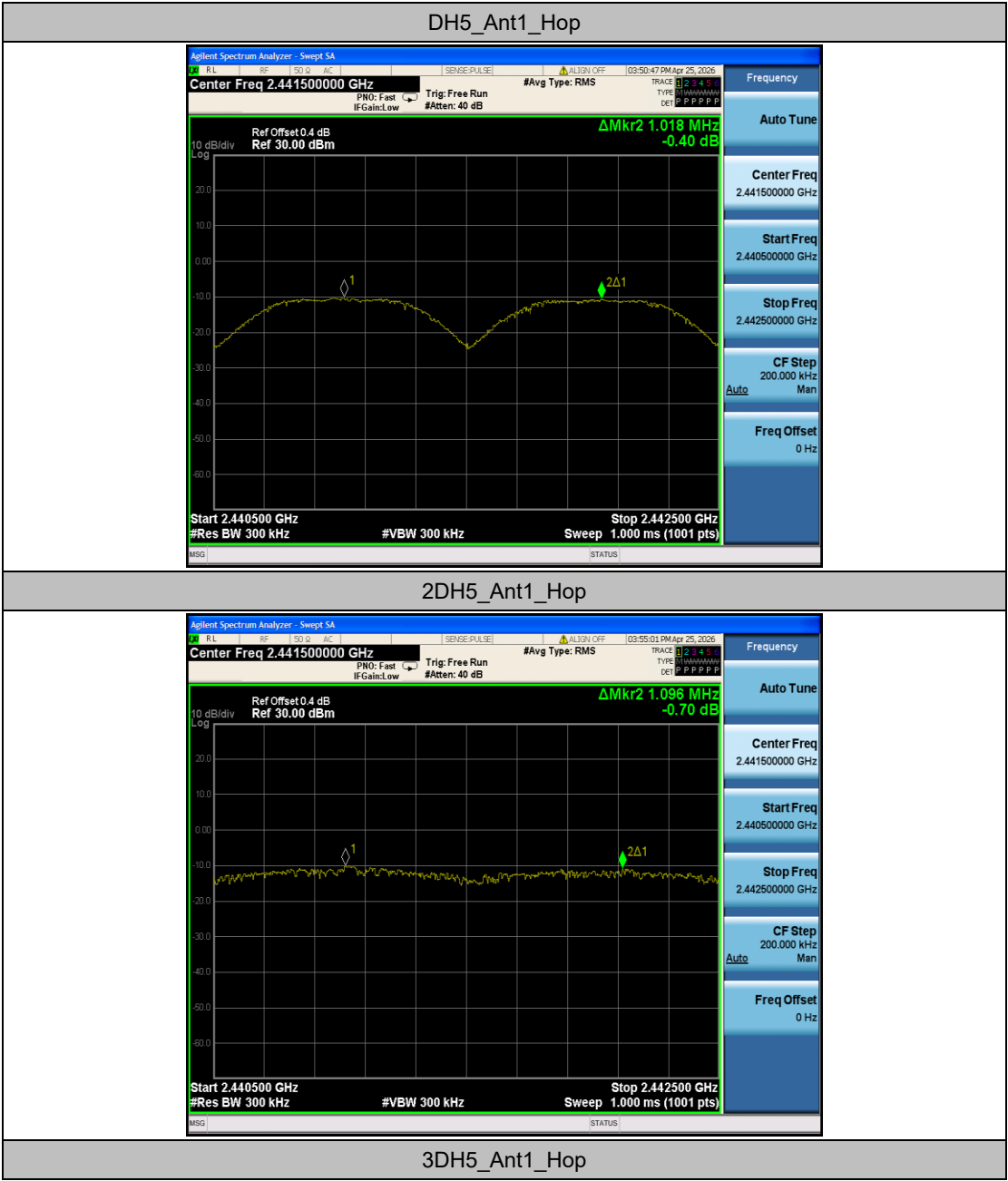
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.38	≤20.97	PASS
		2441	-3.60	≤20.97	PASS
		2480	-3.61	≤20.97	PASS
2DH5	Ant1	2402	-7.44	≤20.97	PASS
		2441	-7.65	≤20.97	PASS
		2480	-7.70	≤20.97	PASS
3DH5	Ant1	2402	-7.21	≤20.97	PASS
		2441	-7.38	≤20.97	PASS
		2480	-7.42	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.018	≥ 0.954	PASS
2DH5	Ant1	Hop	1.096	≥ 0.908	PASS
3DH5	Ant1	Hop	0.986	≥ 0.878	PASS

Test Graphs

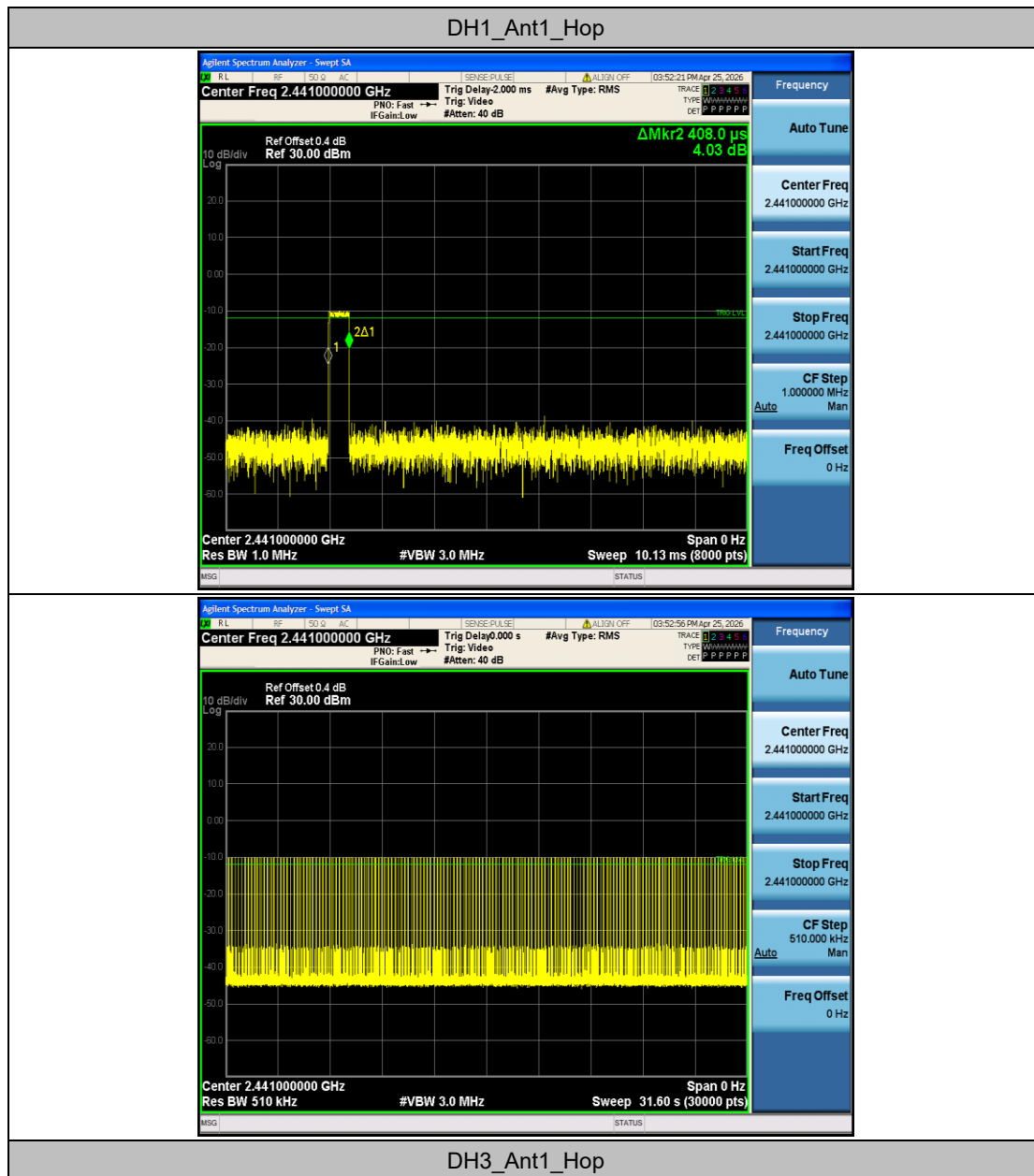


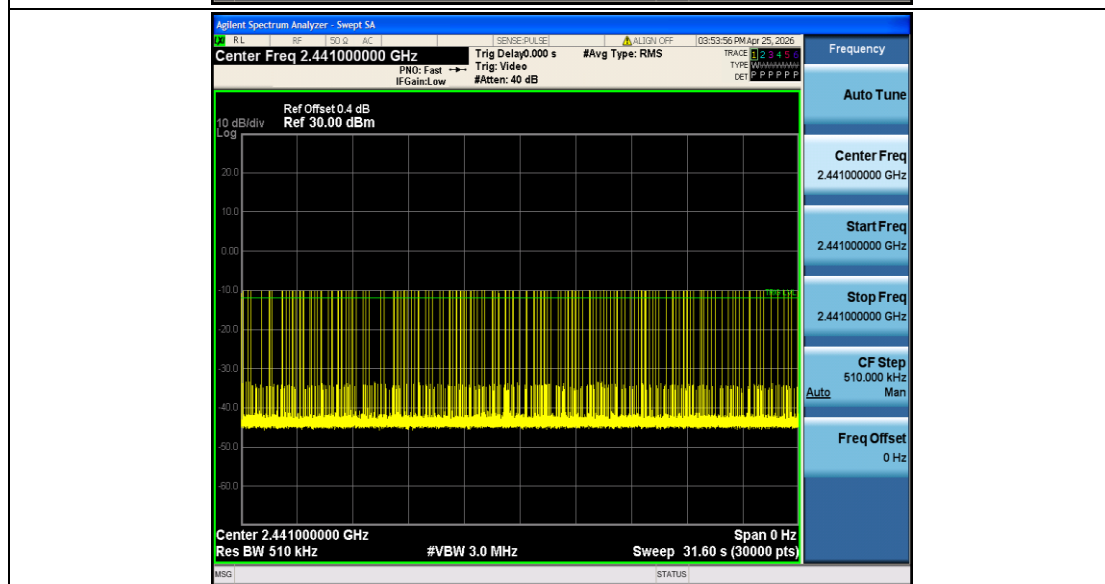
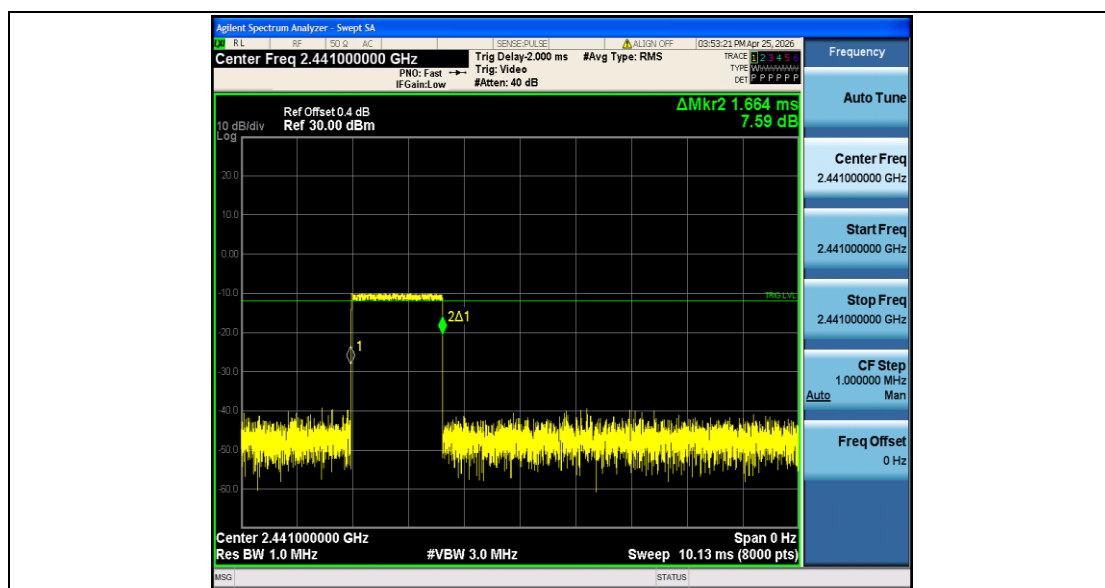
Appendix E: Time of occupancy

Test Result

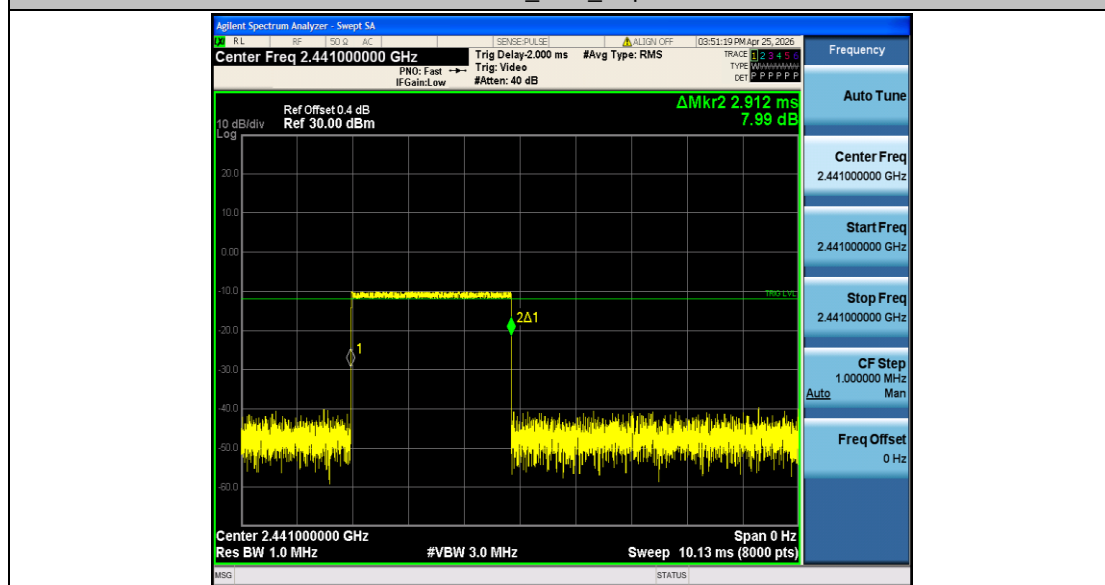
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.408	320	0.131	≤0.4	PASS
DH3	Ant1	Hop	1.664	164	0.273	≤0.4	PASS
DH5	Ant1	Hop	2.912	119	0.347	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	165	0.275	≤0.4	PASS
2DH5	Ant1	Hop	2.917	113	0.33	≤0.4	PASS
3DH1	Ant1	Hop	0.417	319	0.133	≤0.4	PASS
3DH3	Ant1	Hop	1.666	168	0.28	≤0.4	PASS
3DH5	Ant1	Hop	2.917	123	0.359	≤0.4	PASS

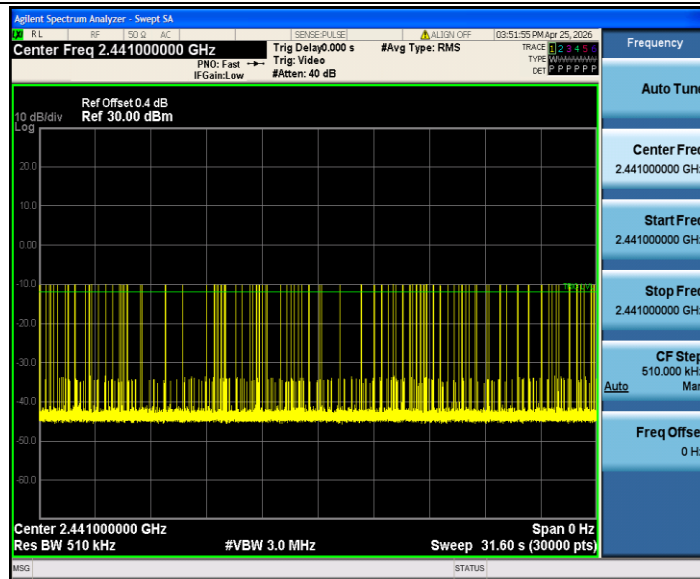
Test Graphs



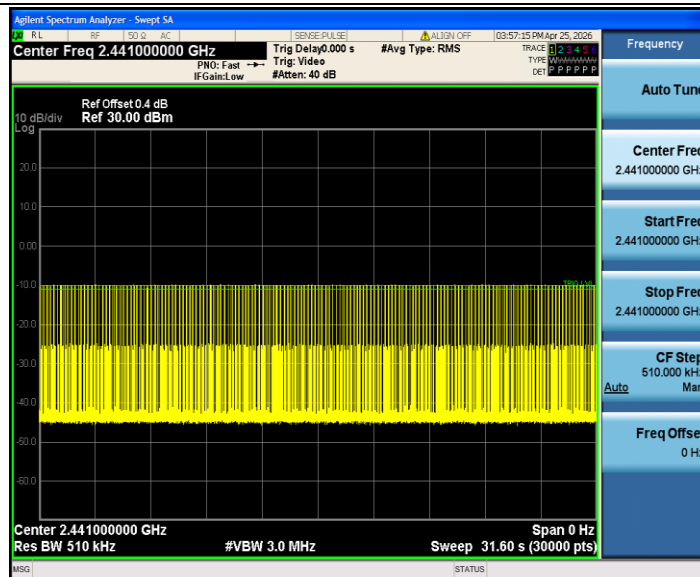
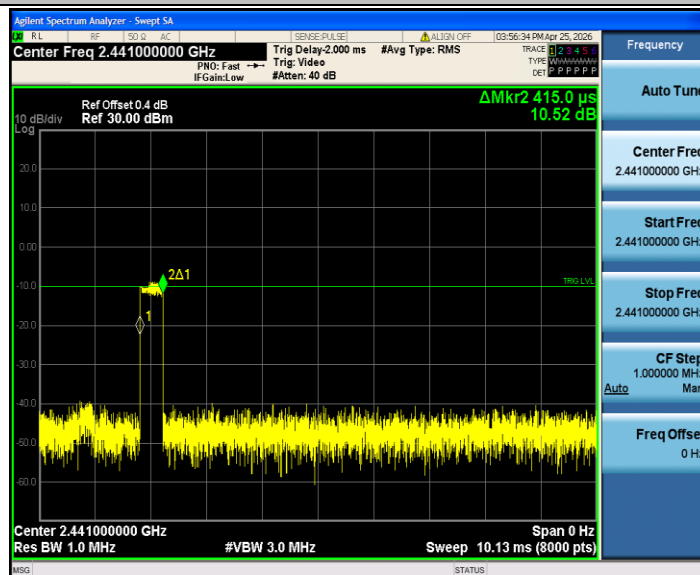


DH5_Ant1_Hop

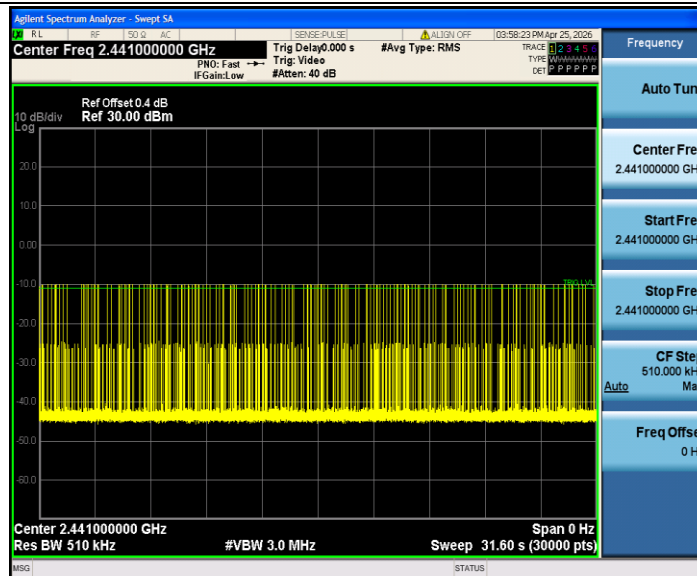
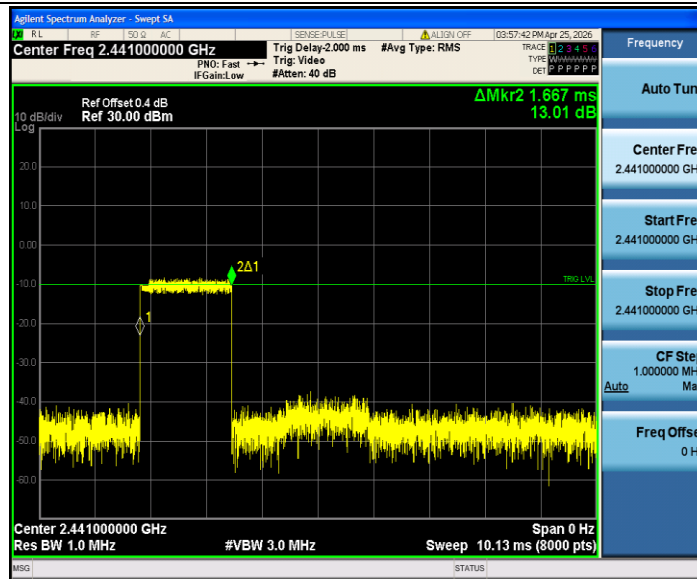




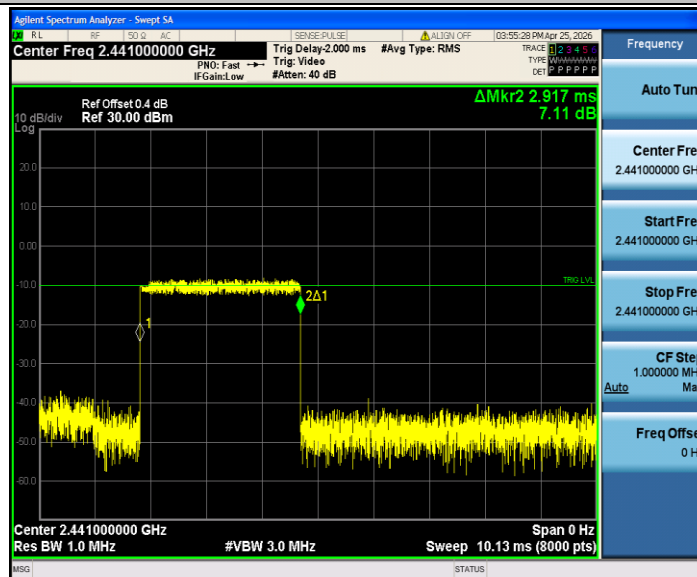
2DH1_Ant1_Hop

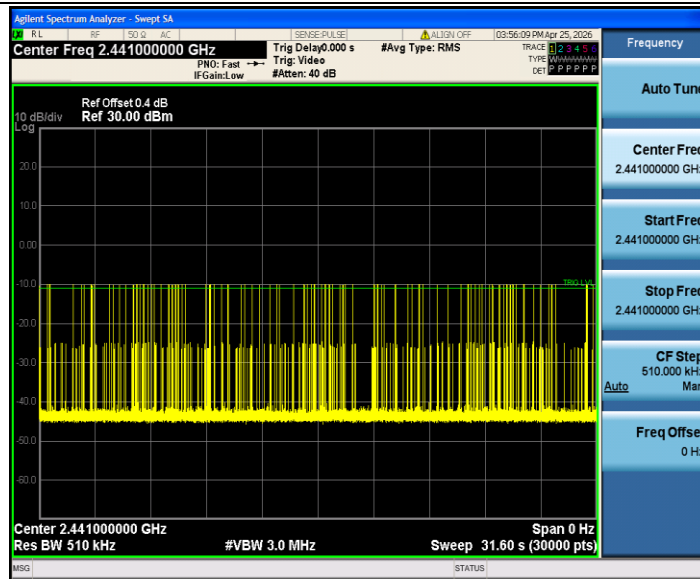


2DH3_Ant1_Hop

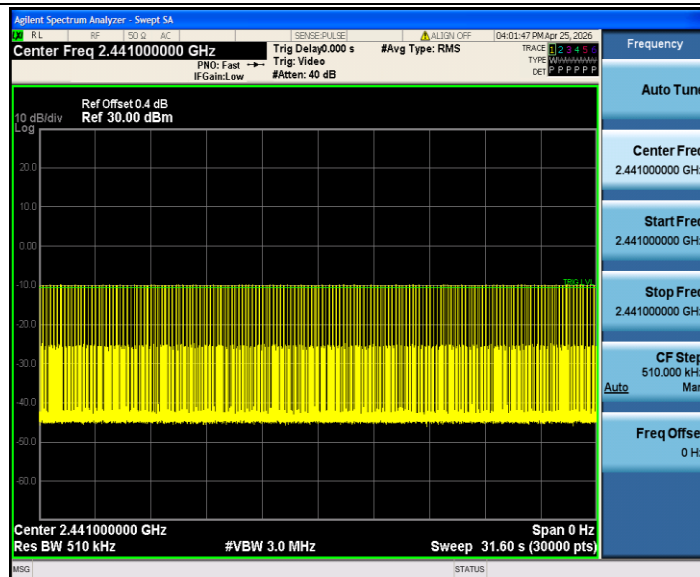
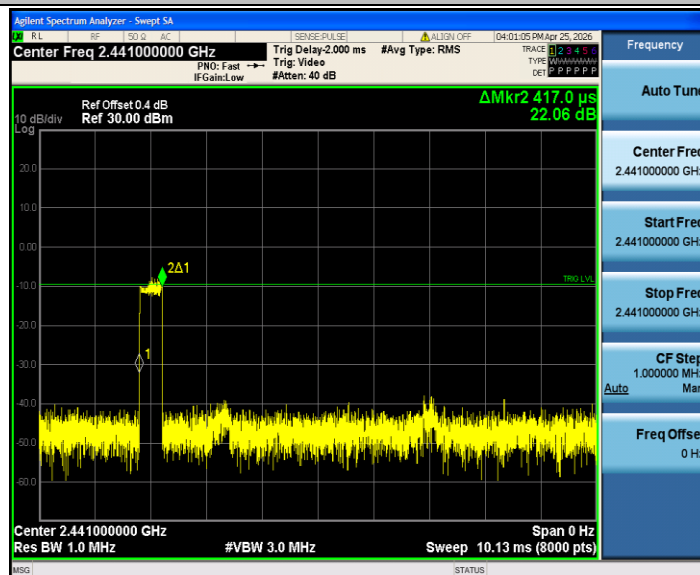


2DH5_Ant1_Hop

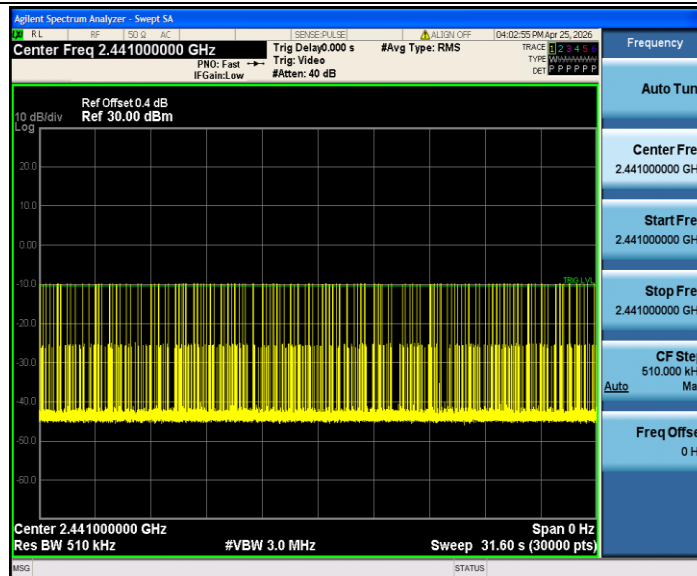
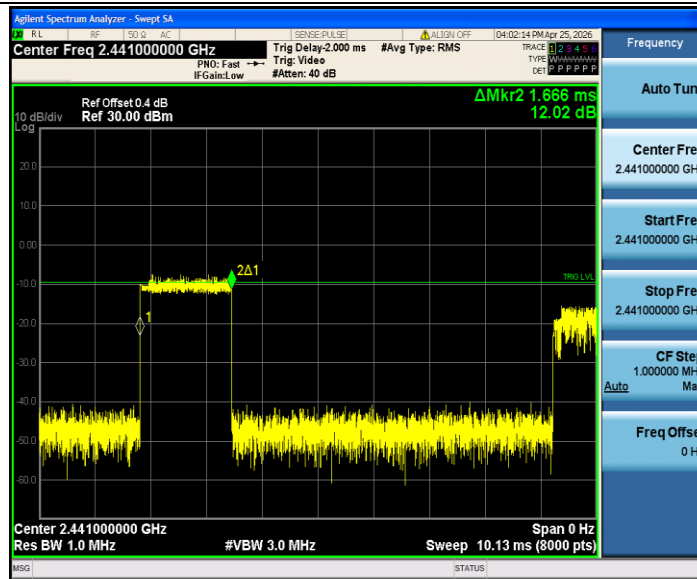




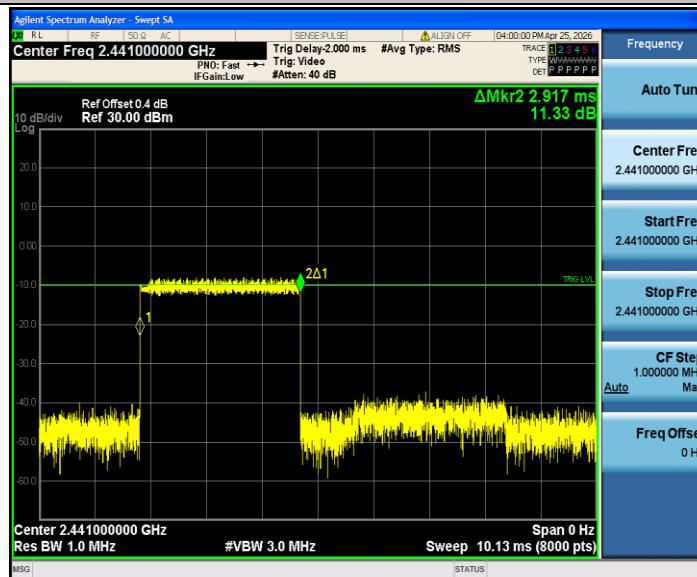
3DH1_Ant1_Hop

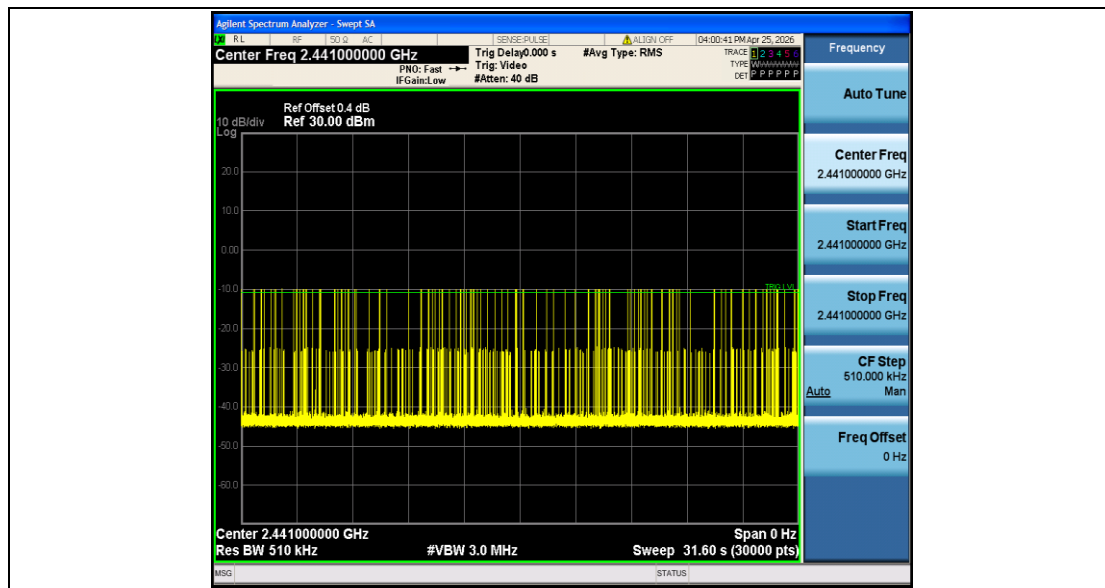


3DH3_Ant1_Hop



3DH5_Ant1_Hop



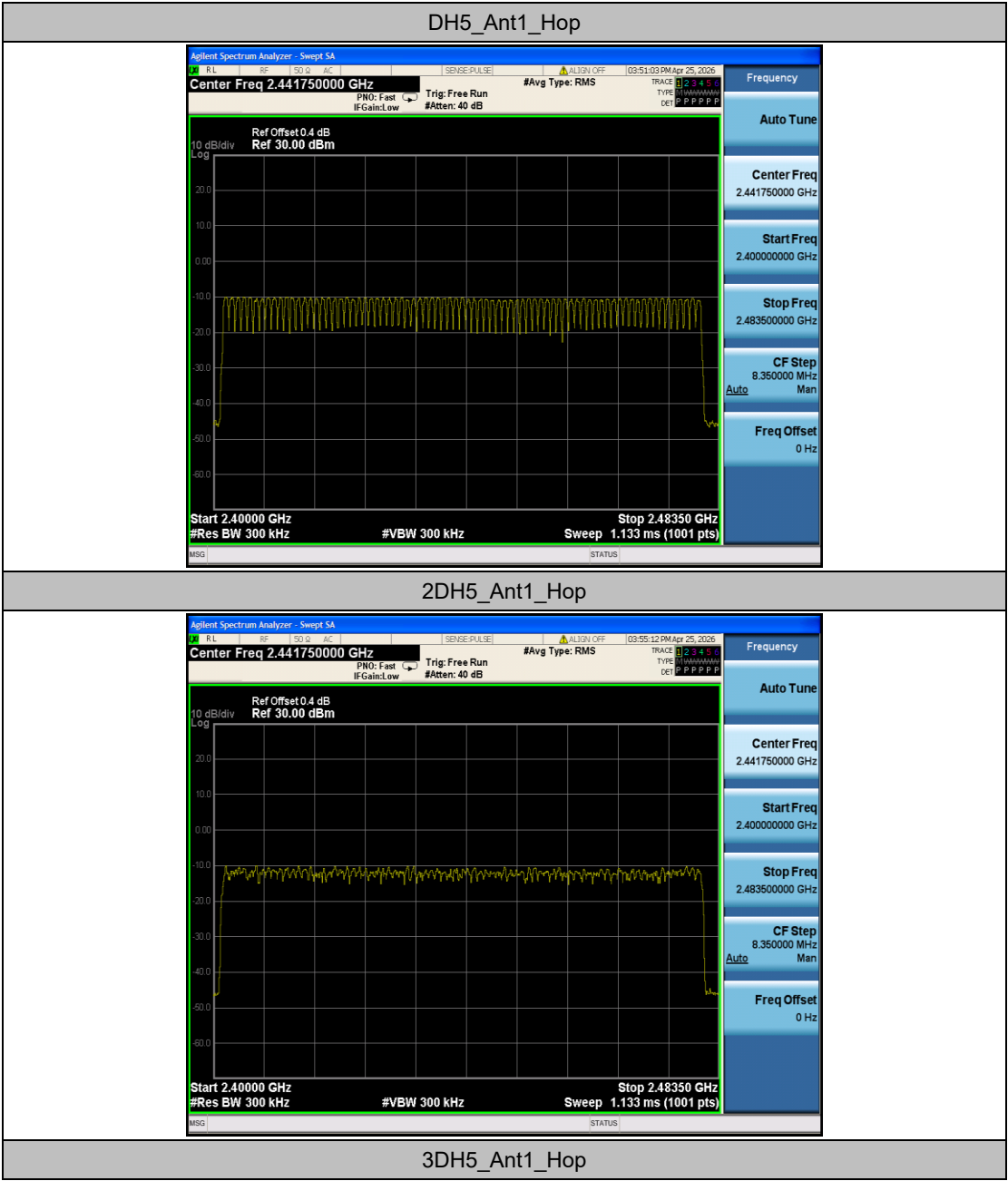


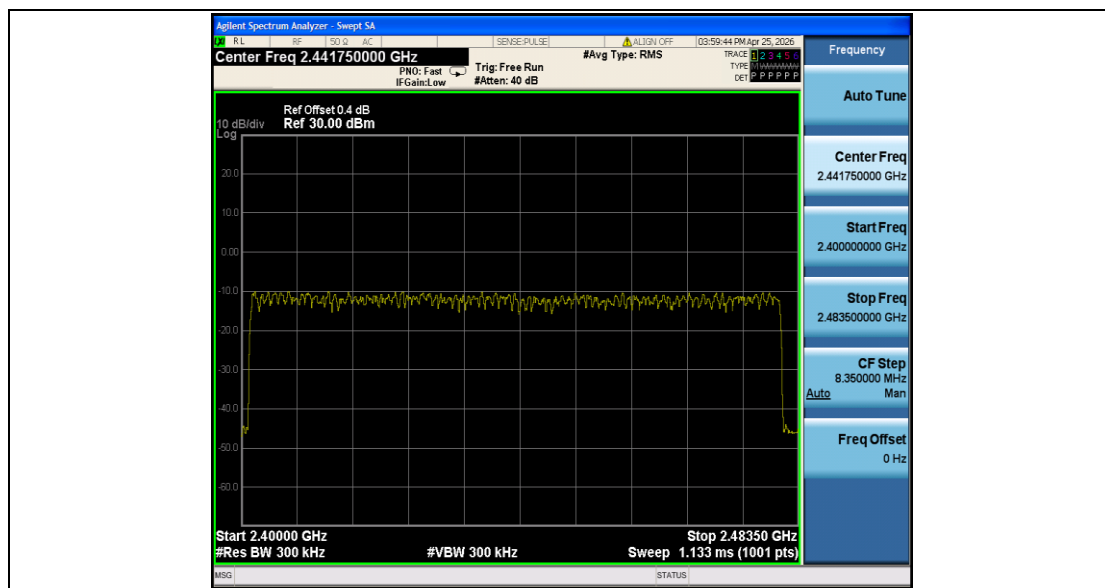
Appendix F: Number of hopping channels

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



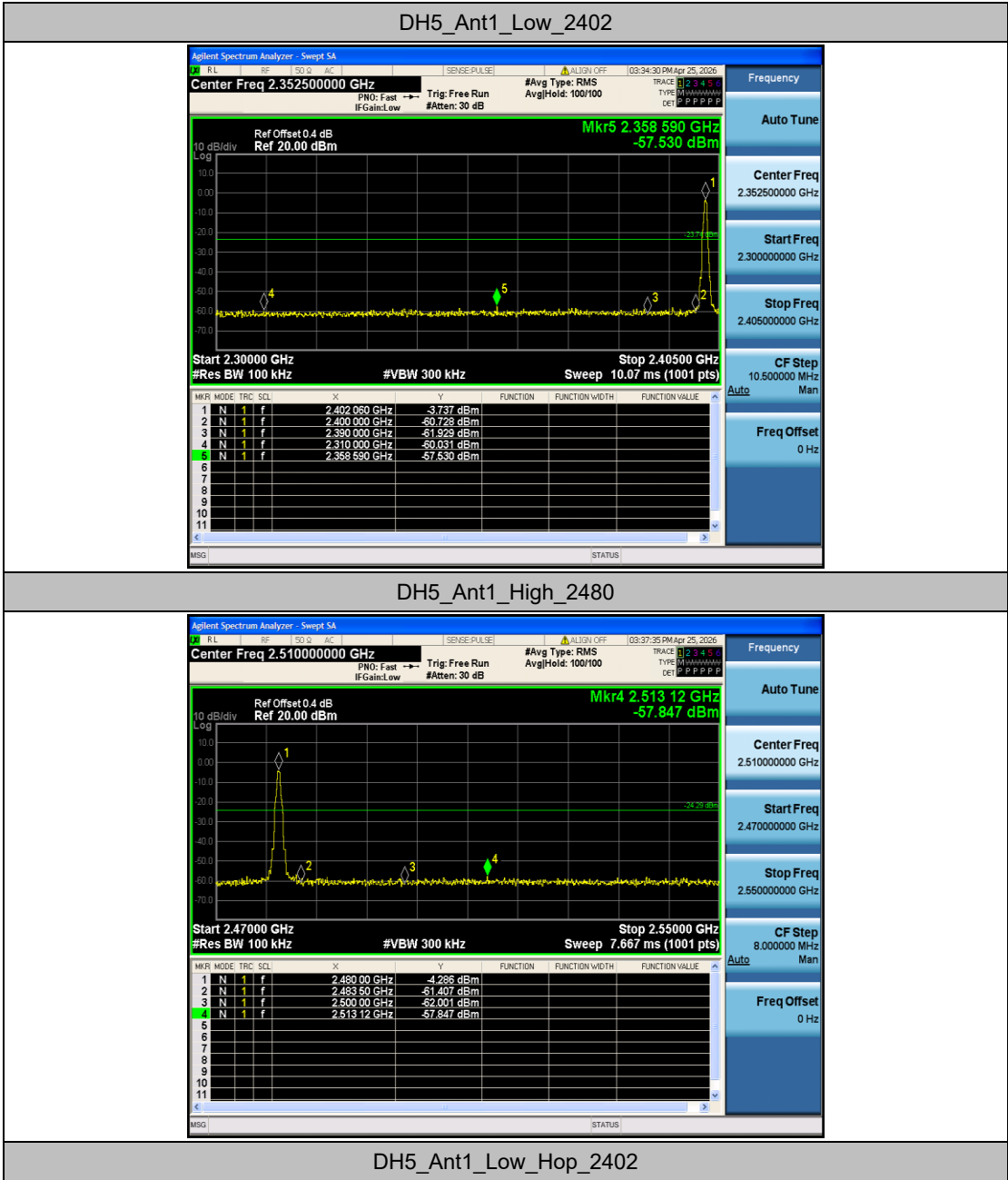


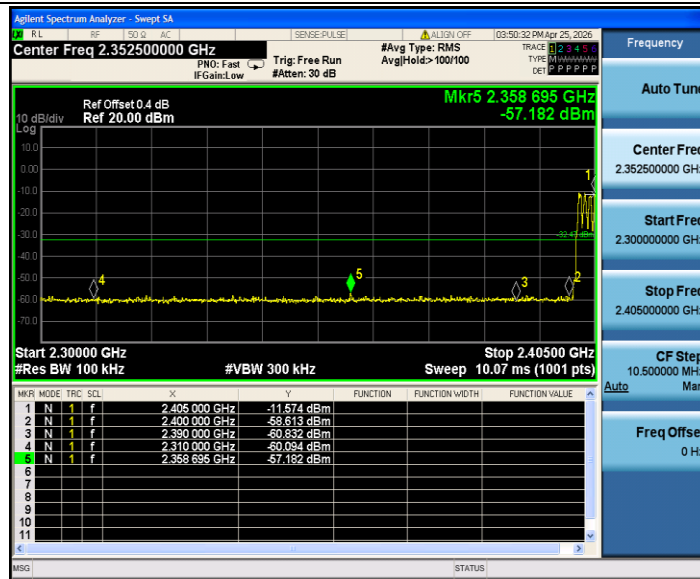
Appendix G: Band edge measurements

Test Result

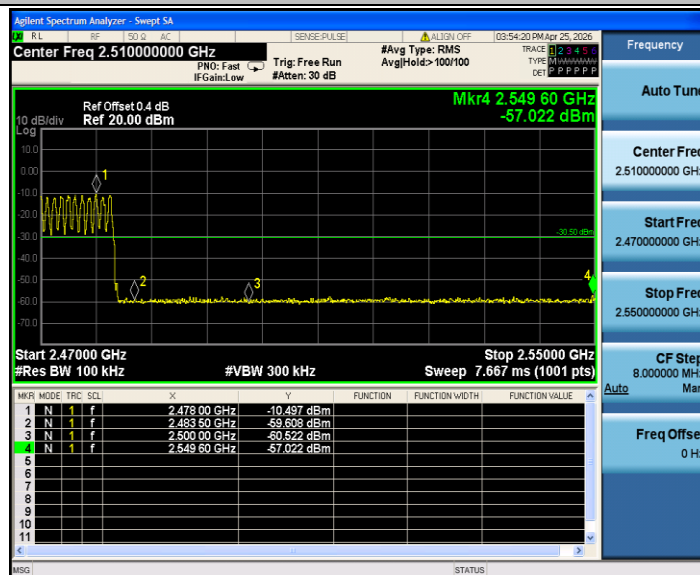
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.74	-57.53	≤-23.74	PASS
		High	2480	-4.29	-57.85	≤-24.29	PASS
		Low	Hop_2402	-12.47	-57.18	≤-32.47	PASS
		High	Hop_2480	-10.50	-57.02	≤-30.5	PASS
2DH5	Ant1	Low	2402	-10.01	-58.38	≤-30.01	PASS
		High	2480	-11.62	-58.36	≤-31.62	PASS
		Low	Hop_2402	-12.76	-57.29	≤-32.76	PASS
		High	Hop_2480	-13.95	-58.16	≤-33.95	PASS
3DH5	Ant1	Low	2402	-10.18	-58.16	≤-30.18	PASS
		High	2480	-10.40	-57.77	≤-30.4	PASS
		Low	Hop_2402	-11.24	-57.5	≤-31.24	PASS
		High	Hop_2480	-10.42	-56.79	≤-30.42	PASS

Test Graphs

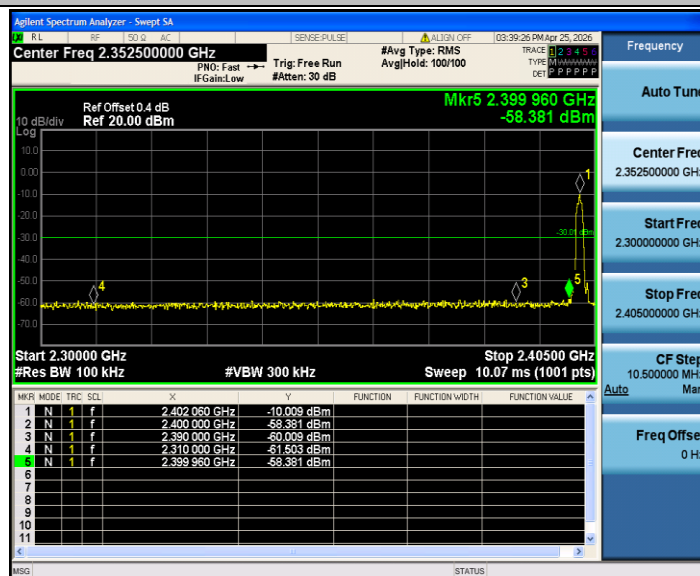




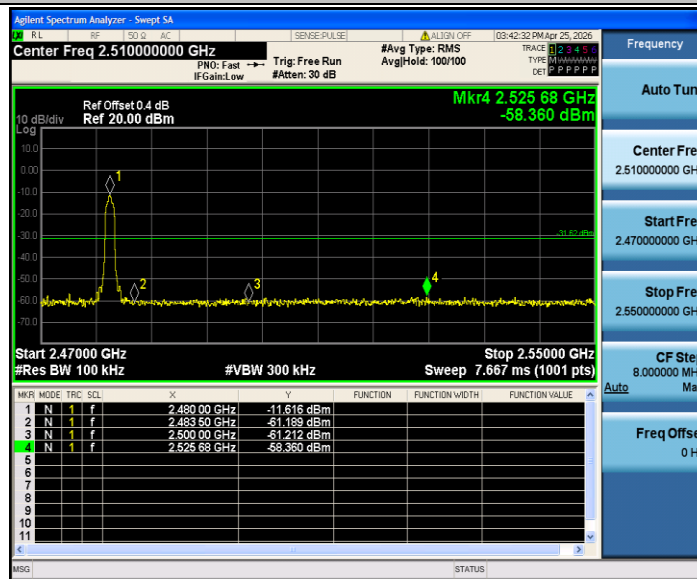
DH5_Ant1_High_Hop_2480



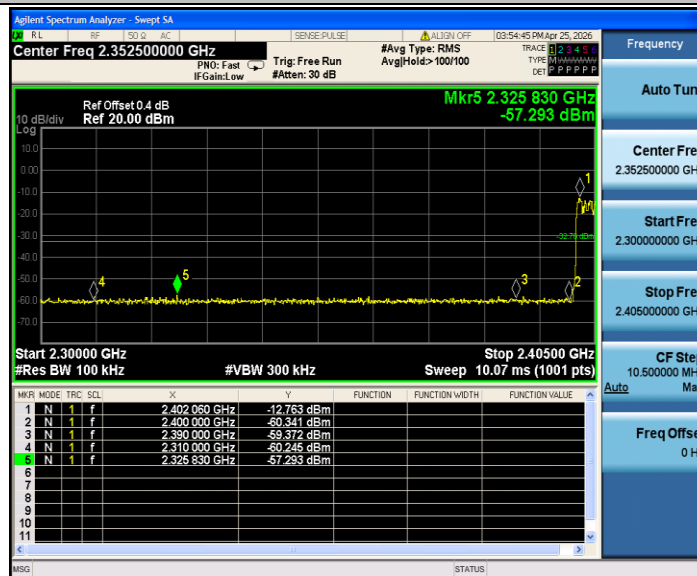
2DH5_Ant1_Low_2402



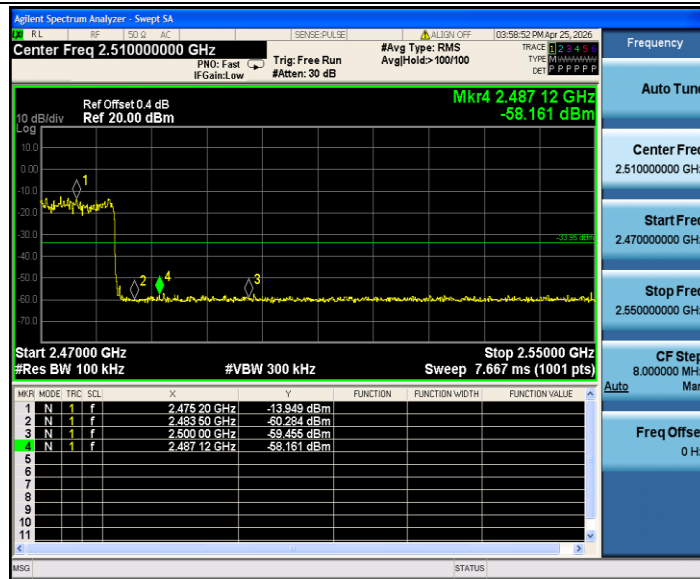
2DH5_Ant1_High_2480



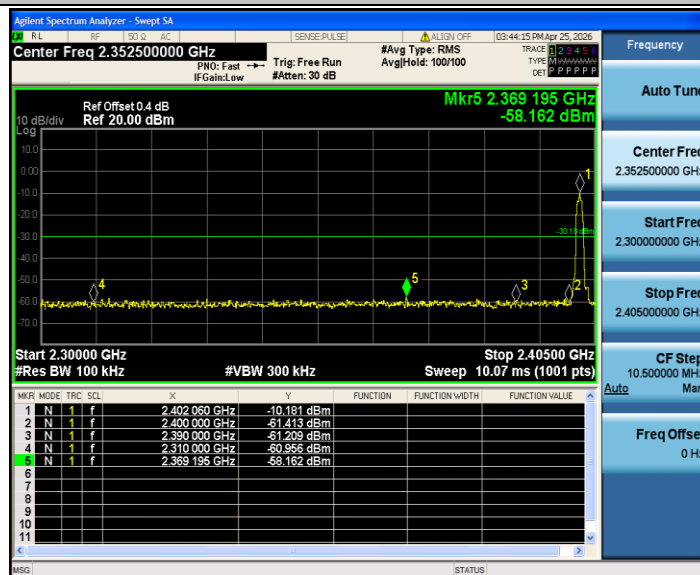
2DH5_Ant1_Low_Hop_2402



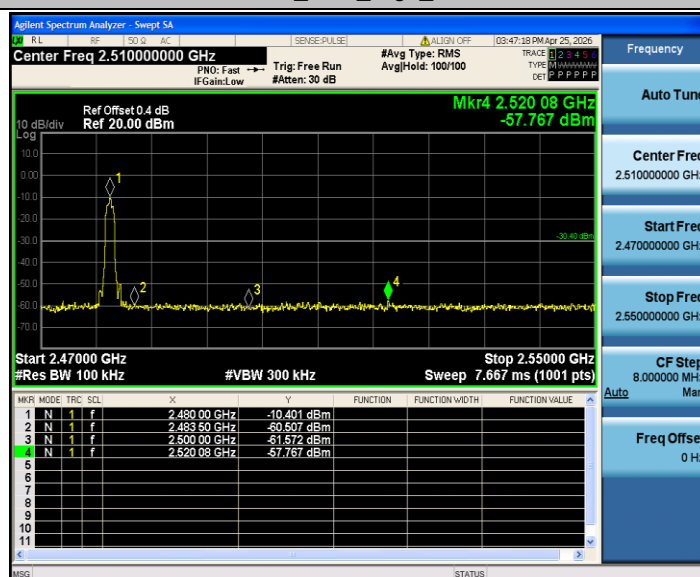
2DH5_Ant1_High_Hop_2480



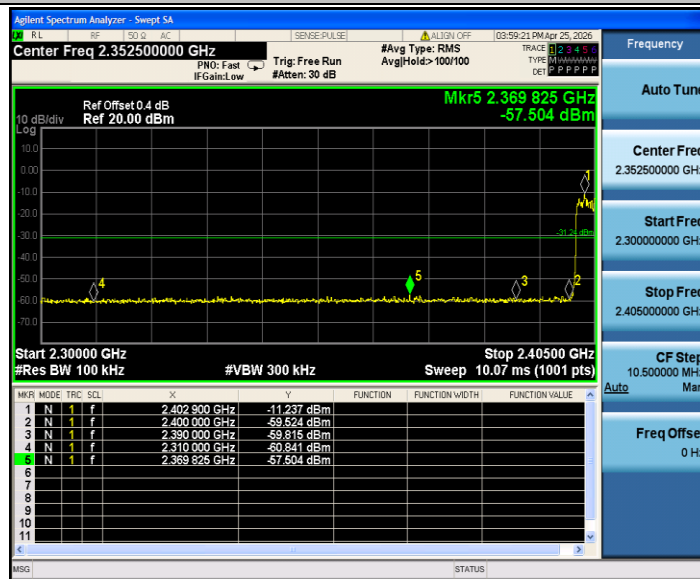
3DH5_Ant1_Low_2402



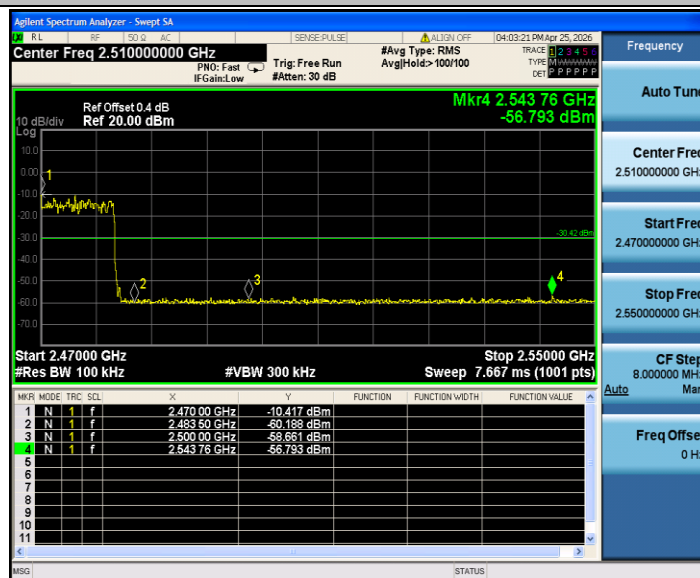
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

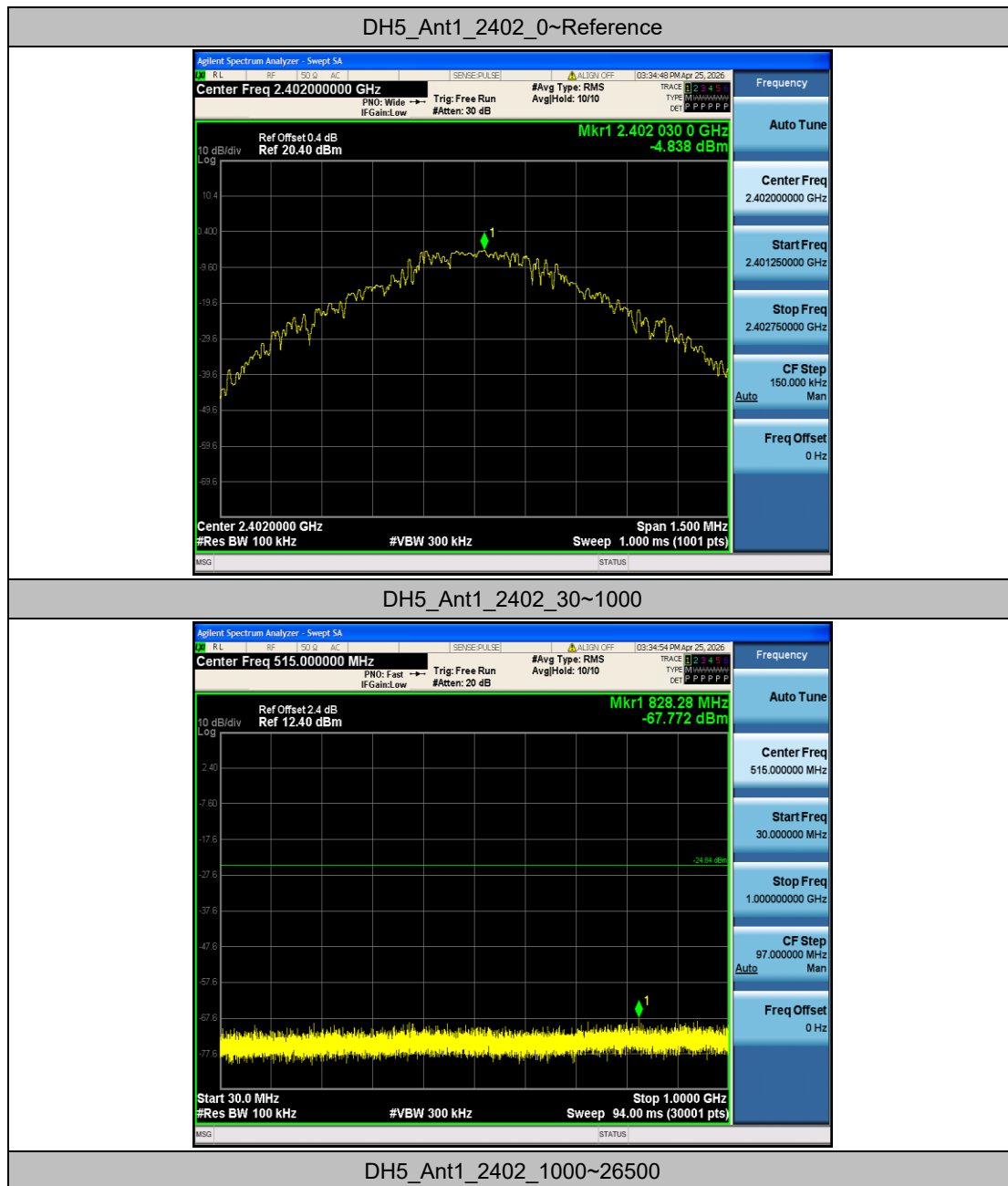


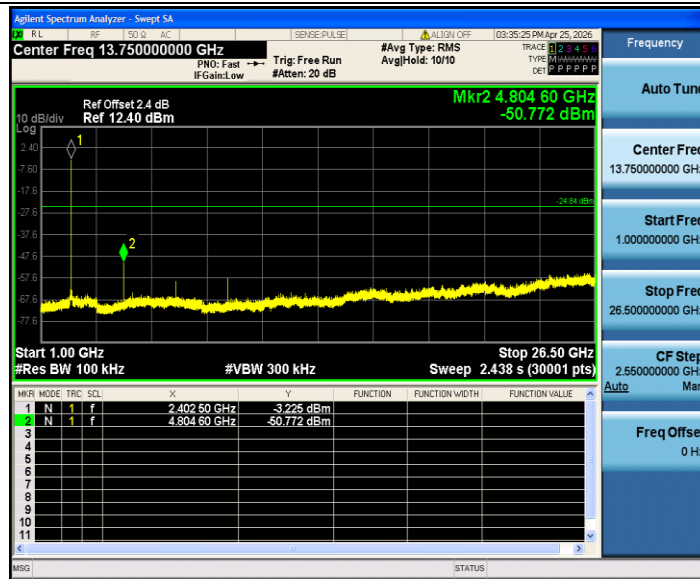
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-67.77	≤-24.84	PASS
			1000~26500	-4.84	-50.77	≤-24.84	PASS
		2441	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-62.23	≤-24.52	PASS
			1000~26500	-4.52	-48.91	≤-24.52	PASS
		2480	Reference	-4.80	-4.80	---	PASS
			30~1000	-4.80	-68.5	≤-24.8	PASS
			1000~26500	-4.80	-48.75	≤-24.8	PASS
2DH5	Ant1	2402	Reference	-11.25	-11.25	---	PASS
			30~1000	-11.25	-66.91	≤-31.25	PASS
			1000~26500	-11.25	-55.22	≤-31.25	PASS
		2441	Reference	-12.57	-12.57	---	PASS
			30~1000	-12.57	-68.33	≤-32.57	PASS
			1000~26500	-12.57	-54.79	≤-32.57	PASS
		2480	Reference	-12.58	-12.58	---	PASS
			30~1000	-12.58	-67.67	≤-32.58	PASS
			1000~26500	-12.58	-54.86	≤-32.58	PASS
3DH5	Ant1	2402	Reference	-12.92	-12.92	---	PASS
			30~1000	-12.92	-61.56	≤-32.92	PASS
			1000~26500	-12.92	-55.31	≤-32.92	PASS
		2441	Reference	-13.07	-13.07	---	PASS
			30~1000	-13.07	-68.29	≤-33.07	PASS
			1000~26500	-13.07	-55.67	≤-33.07	PASS
		2480	Reference	-12.53	-12.53	---	PASS
			30~1000	-12.53	-67.61	≤-32.53	PASS
			1000~26500	-12.53	-55.6	≤-32.53	PASS

Test Graphs

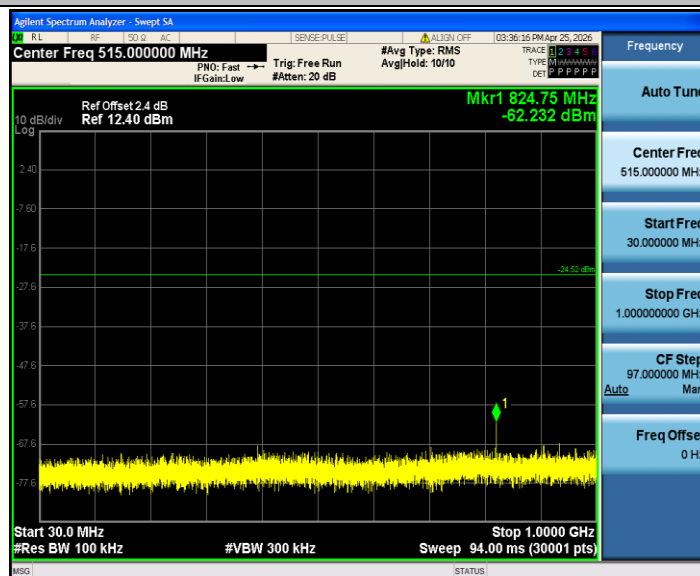




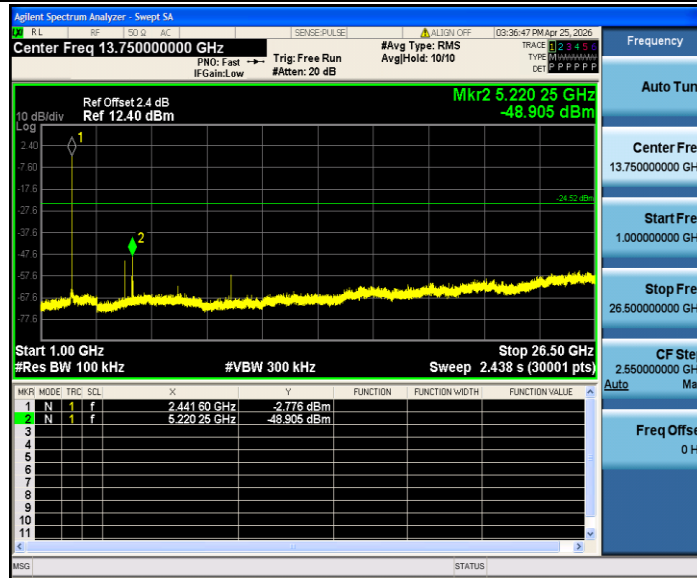
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000