

FCC Appendix RF Test Data for BT

FCC ID : 2BVT2-PCCS12

Company : NINGBO ZS ACOUSTIC CO.,LTD

EUT : 12-inch Column Speaker

Model Number : PCCS12

Report No. : CTA26040700901

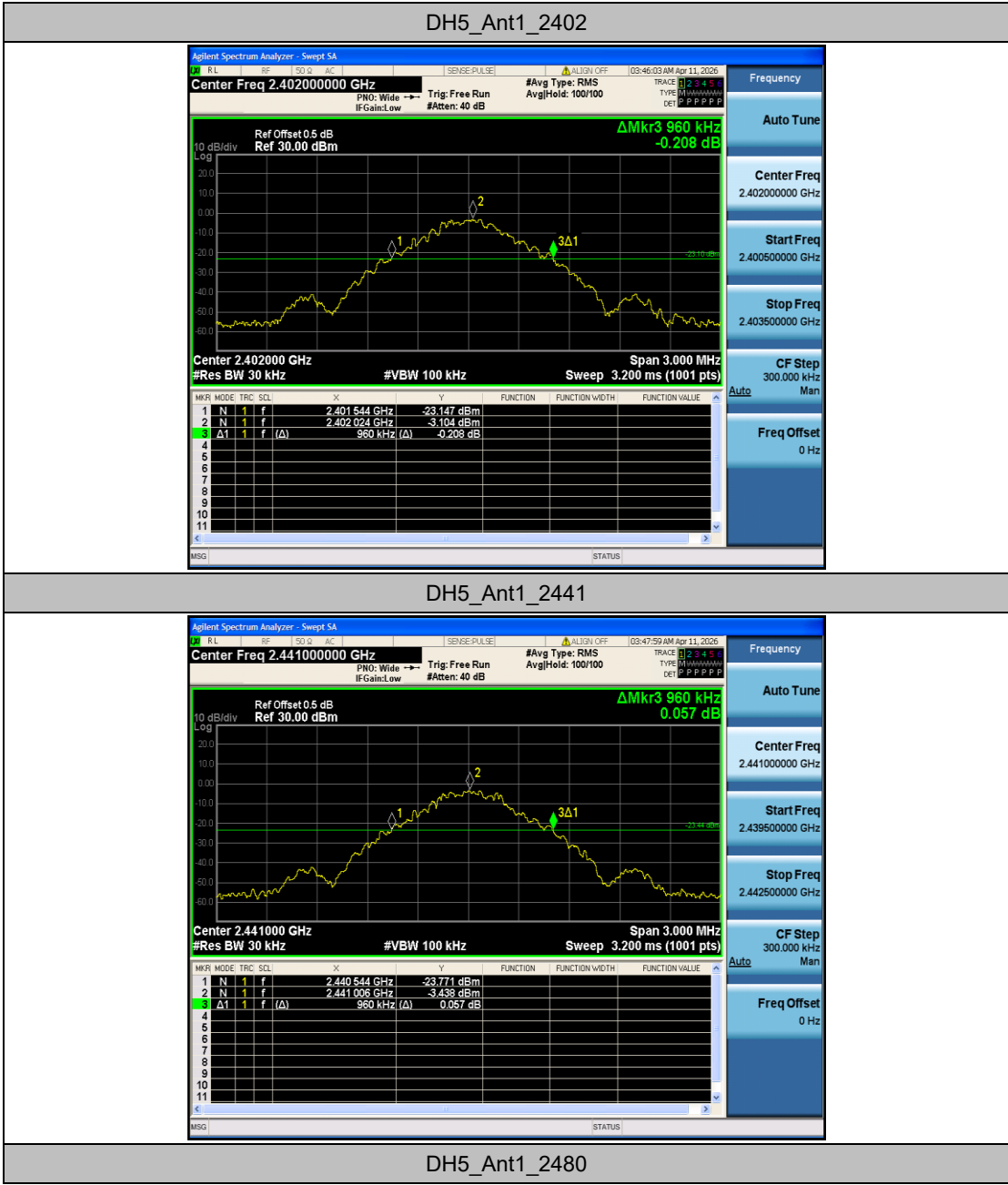
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.544	2402.504	---	---
		2441	0.960	2440.544	2441.504	---	---
		2480	0.945	2479.547	2480.492	---	---
2DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
		2441	1.278	2440.385	2441.663	---	---
		2480	1.284	2479.376	2480.660	---	---
3DH5	Ant1	2402	1.290	2401.367	2402.657	---	---
		2441	1.302	2440.361	2441.663	---	---
		2480	1.320	2479.352	2480.672	---	---

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

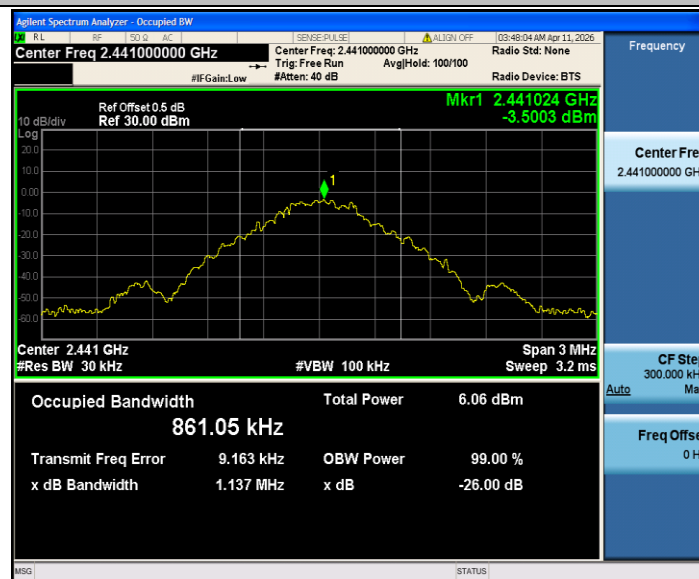
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85694	2401.5792	2402.4362	---	---
		2441	0.86105	2440.5786	2441.4397	---	---
		2480	0.86145	2479.5775	2480.4389	---	---
2DH5	Ant1	2402	1.1908	2401.4127	2402.6035	---	---
		2441	1.1909	2440.4141	2441.6050	---	---
		2480	1.1855	2479.4155	2480.6010	---	---
3DH5	Ant1	2402	1.1975	2401.4103	2402.6078	---	---
		2441	1.1911	2440.4148	2441.6059	---	---
		2480	1.1943	2479.4152	2480.6095	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



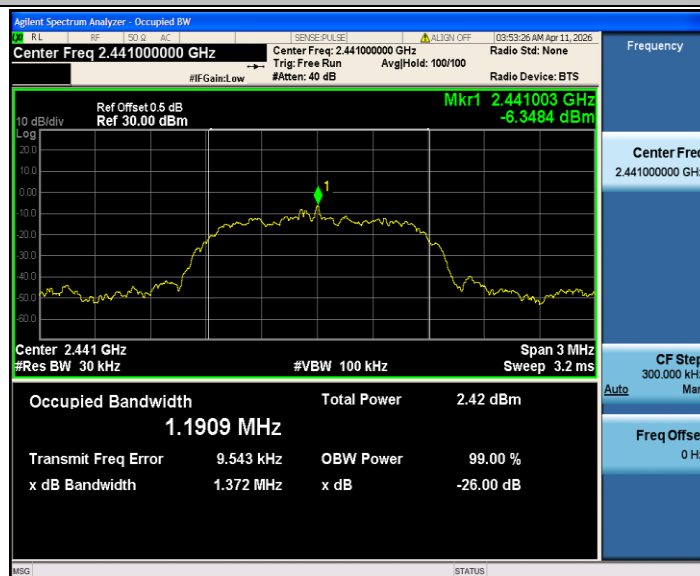
DH5_Ant1_2480



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

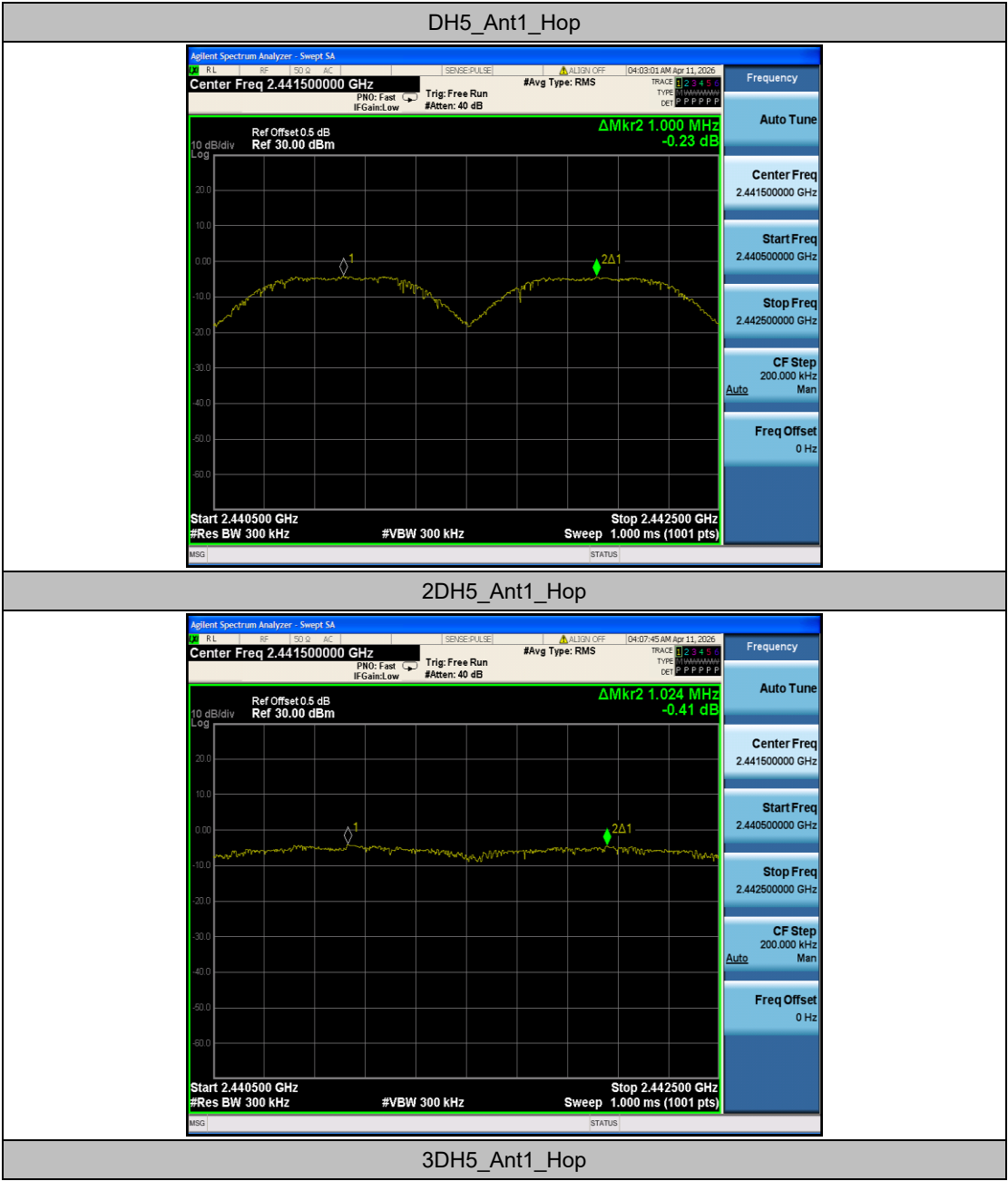
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.09	≤20.97	PASS
		2441	-0.49	≤20.97	PASS
		2480	-0.73	≤20.97	PASS
2DH5	Ant1	2402	-0.73	≤20.97	PASS
		2441	-1.31	≤20.97	PASS
		2480	-1.56	≤20.97	PASS
3DH5	Ant1	2402	-0.38	≤20.97	PASS
		2441	-0.98	≤20.97	PASS
		2480	-1.20	≤20.97	PASS

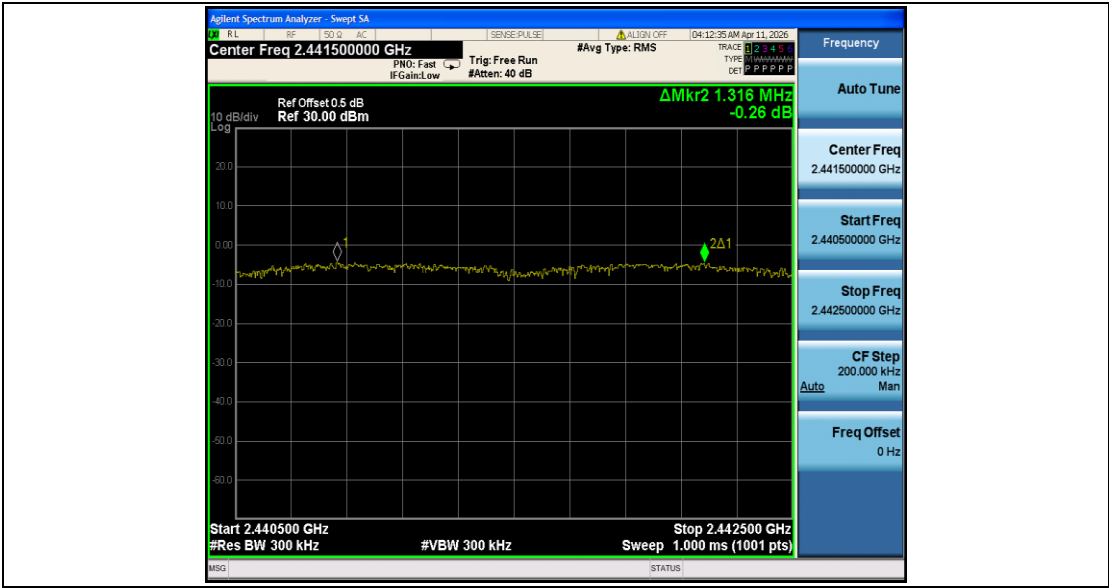
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.960	PASS
2DH5	Ant1	Hop	1.024	≥ 0.874	PASS
3DH5	Ant1	Hop	1.316	≥ 0.880	PASS

Test Graphs



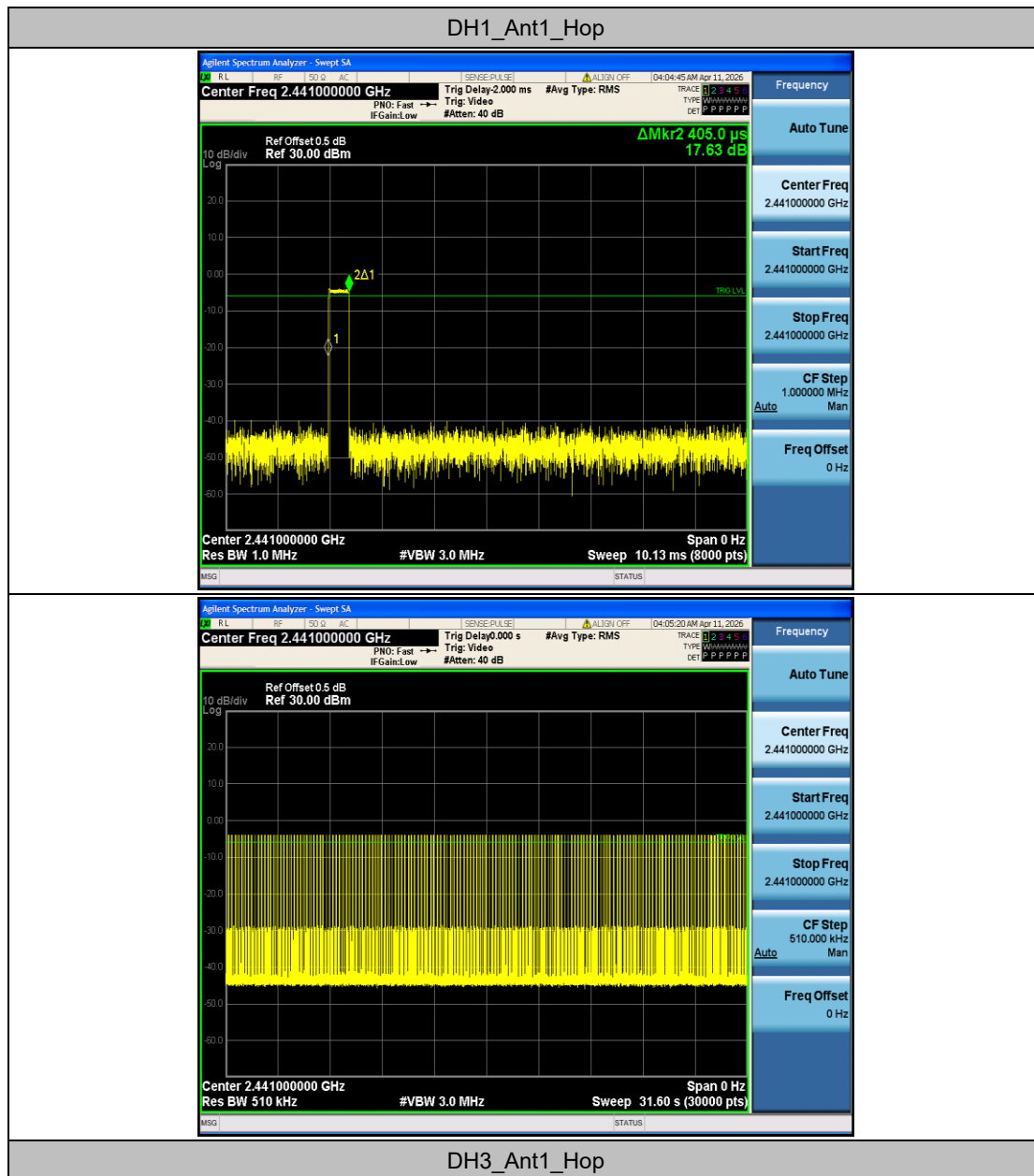


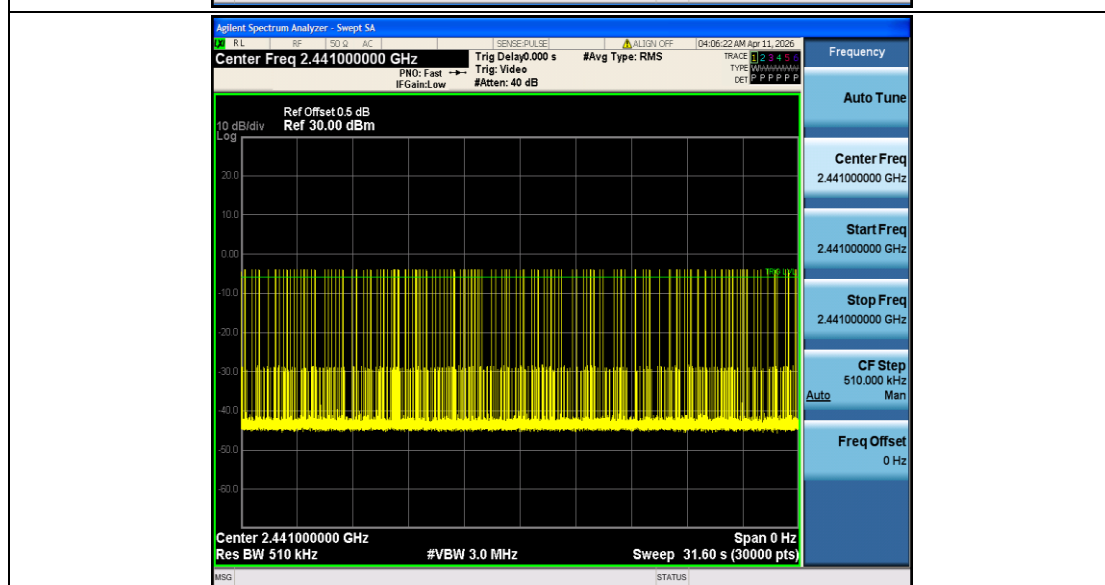
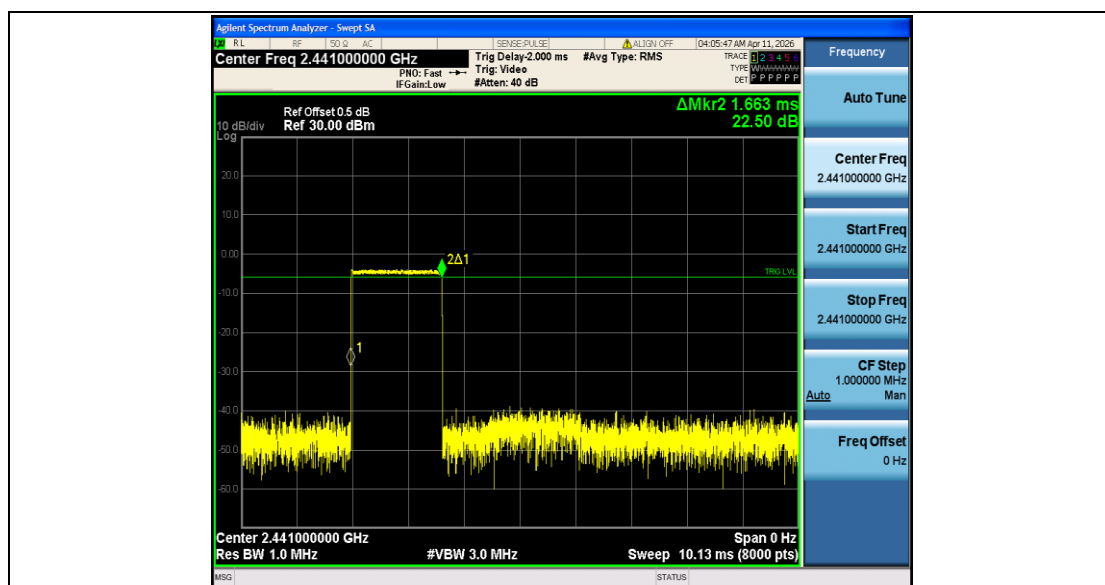
Appendix E: Time of occupancy

Test Result

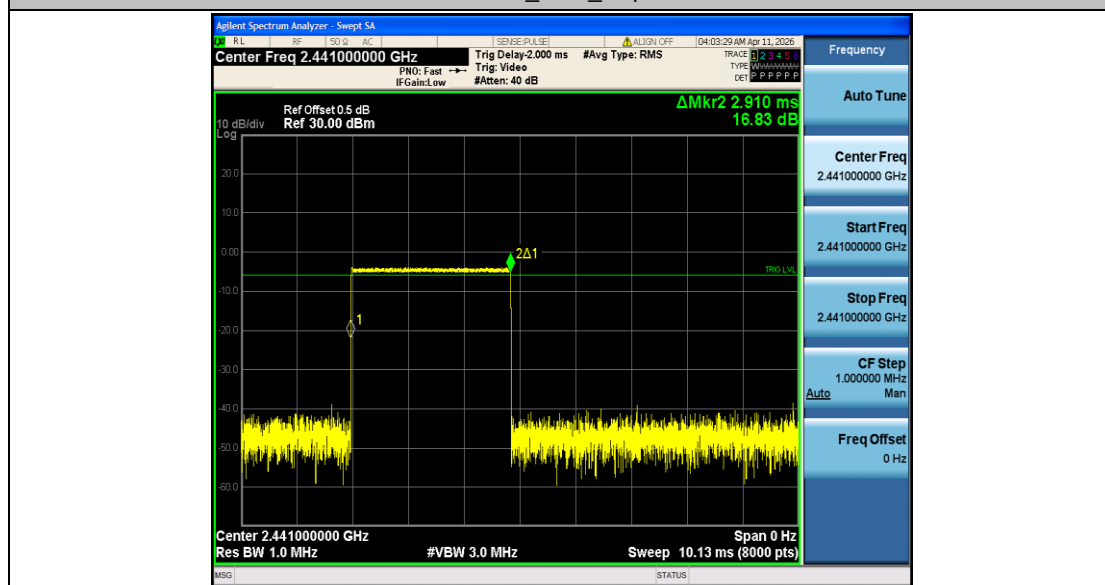
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	317	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.663	162	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.910	111	0.323	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	162	0.27	≤0.4	PASS
2DH5	Ant1	Hop	2.916	105	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.415	320	0.133	≤0.4	PASS
3DH3	Ant1	Hop	1.666	168	0.28	≤0.4	PASS
3DH5	Ant1	Hop	2.917	91	0.265	≤0.4	PASS

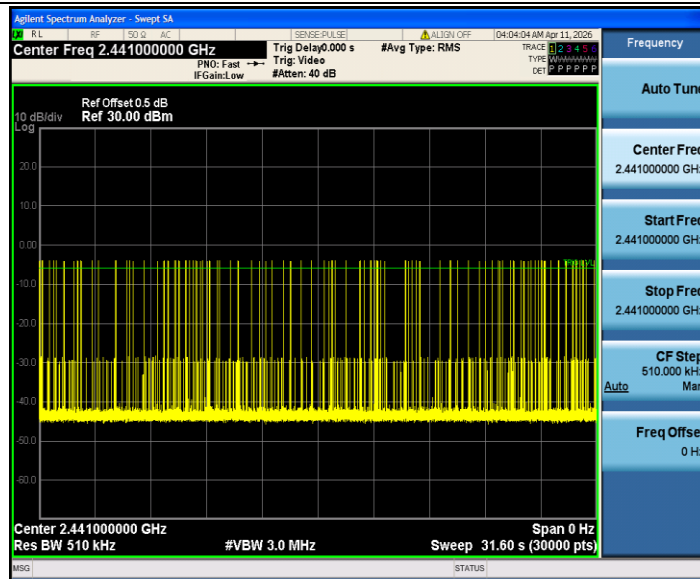
Test Graphs



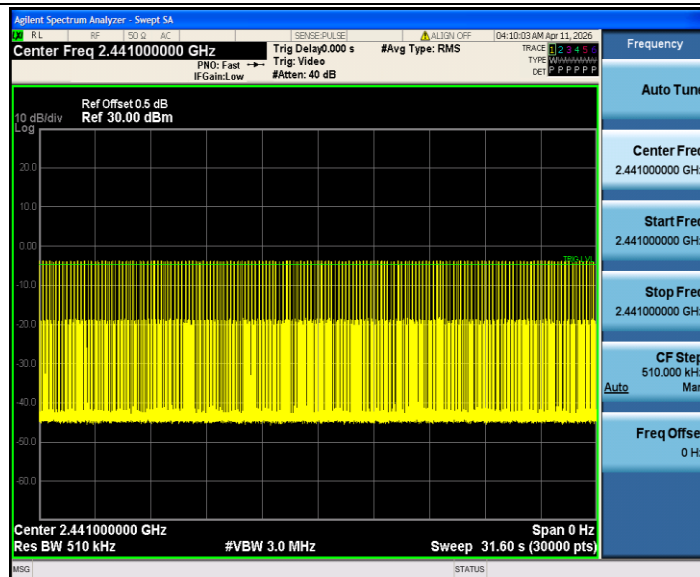
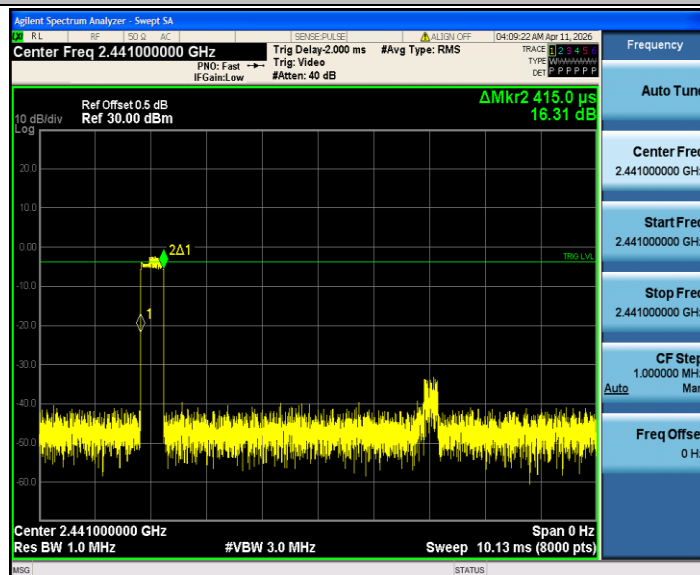


DH5_Ant1_Hop

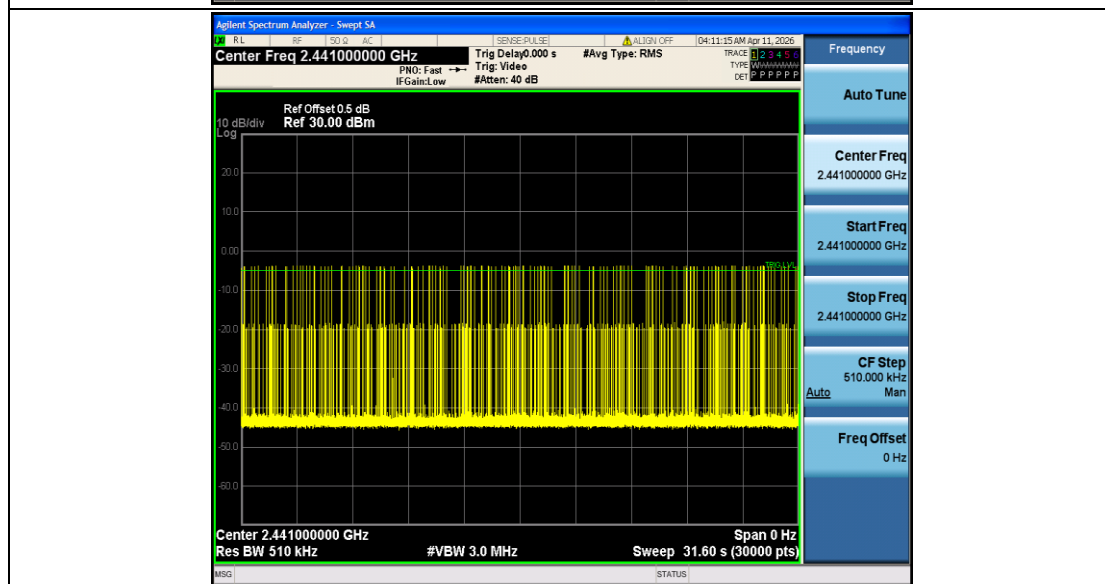
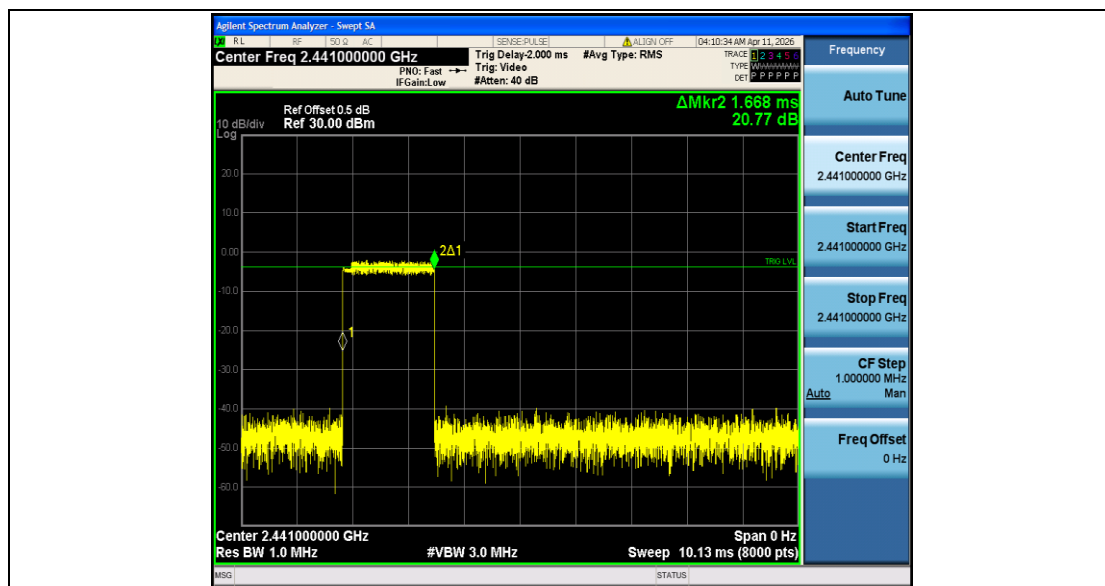




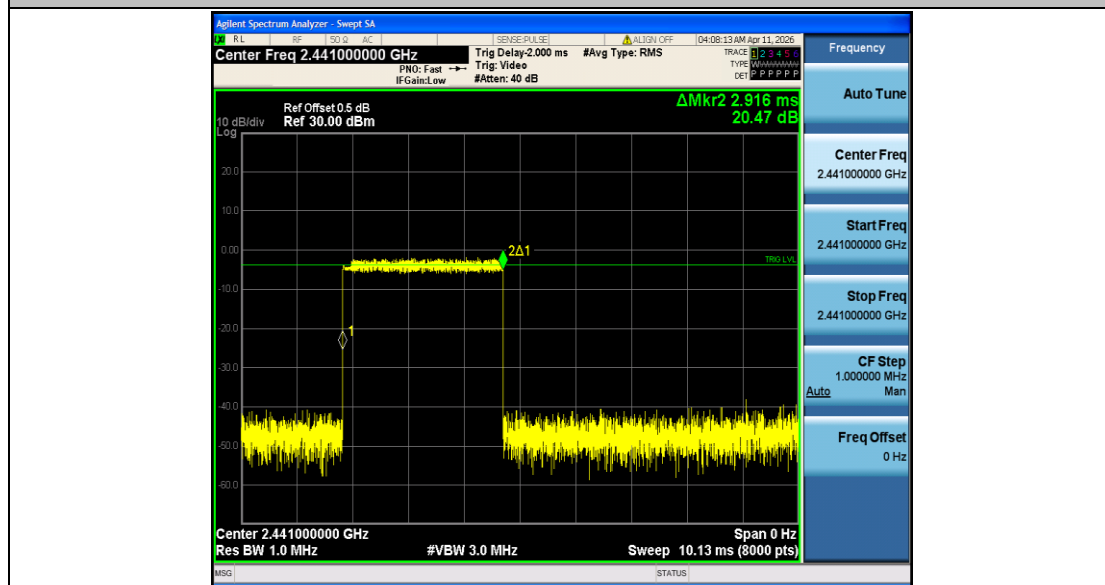
2DH1_Ant1_Hop

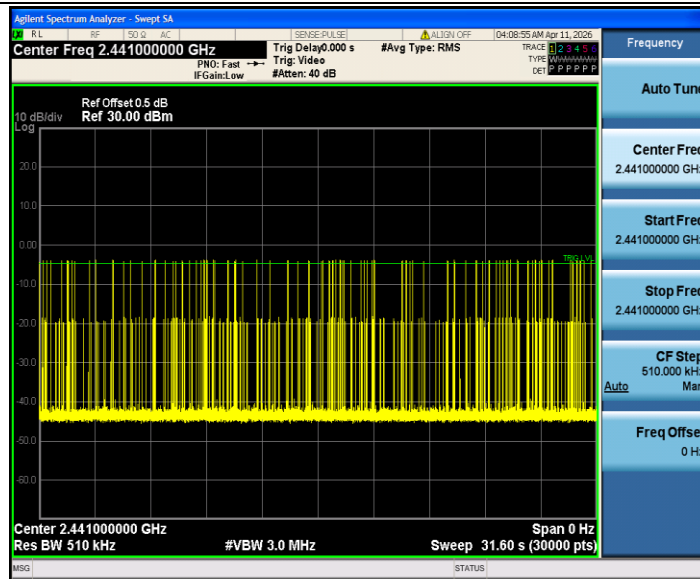


2DH3_Ant1_Hop

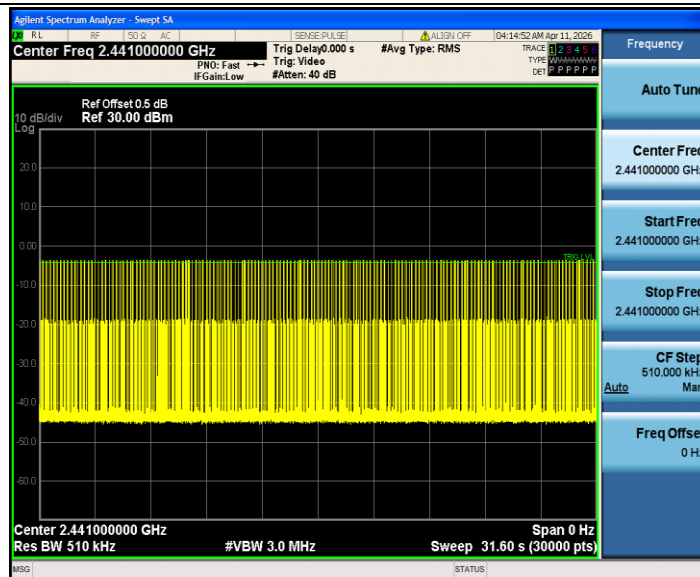
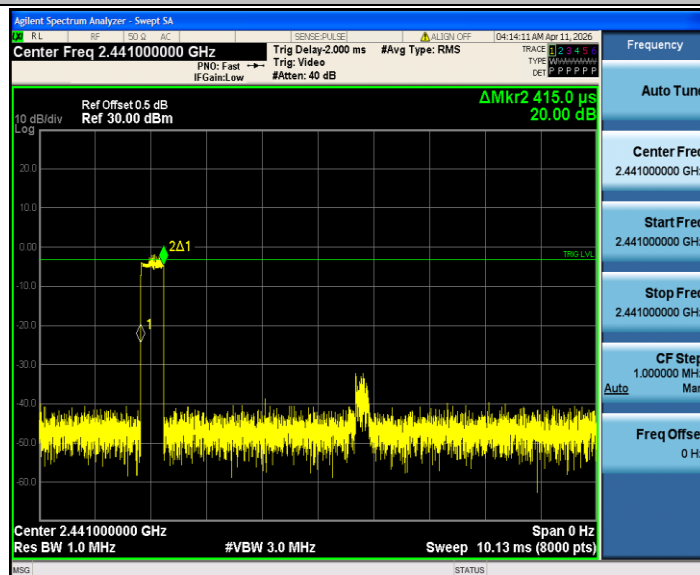


2DH5_Ant1_Hop

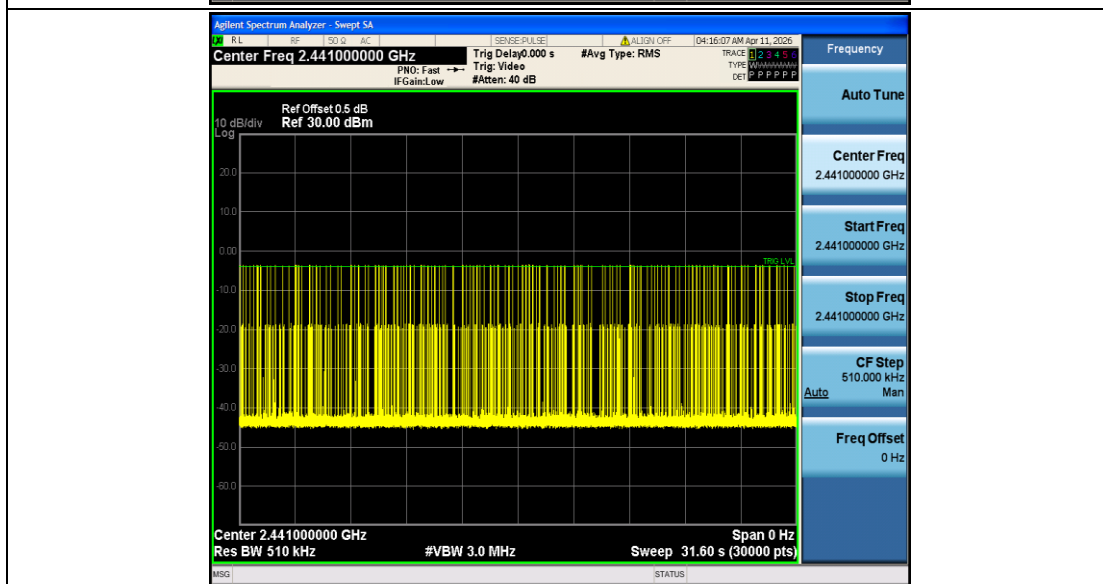
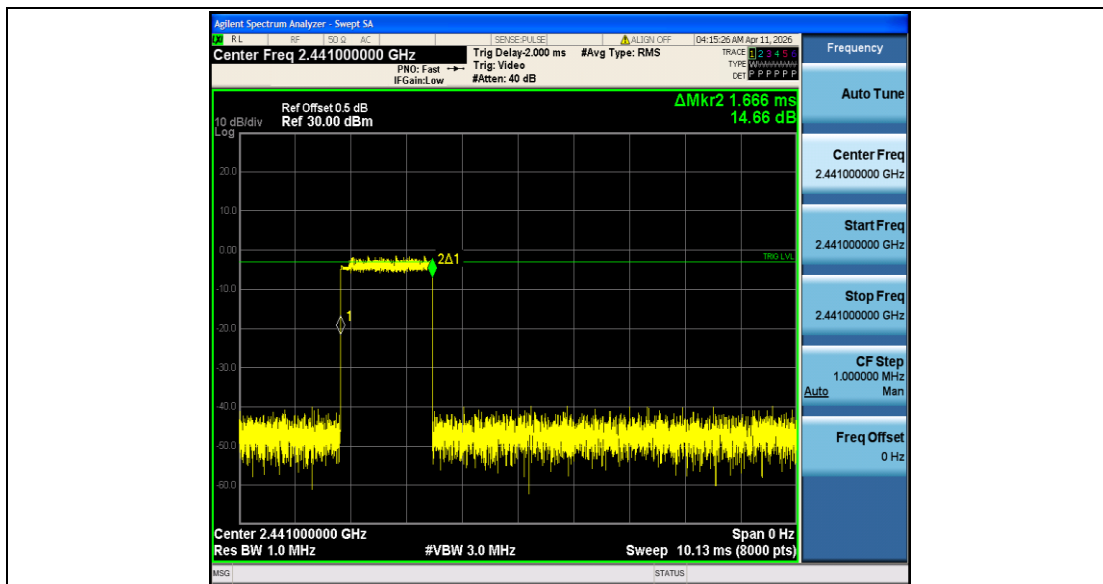




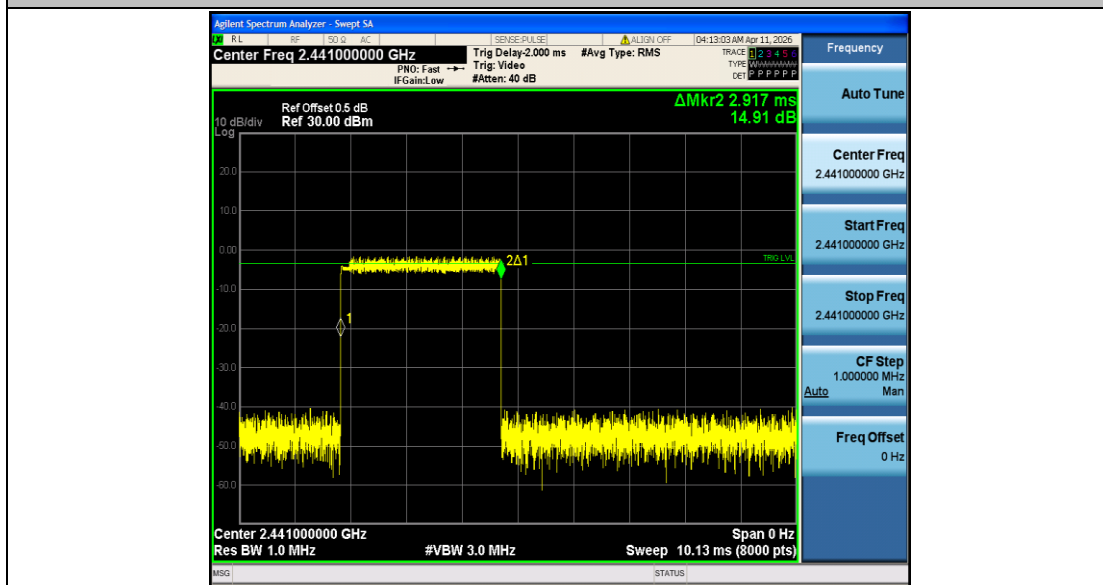
3DH1_Ant1_Hop

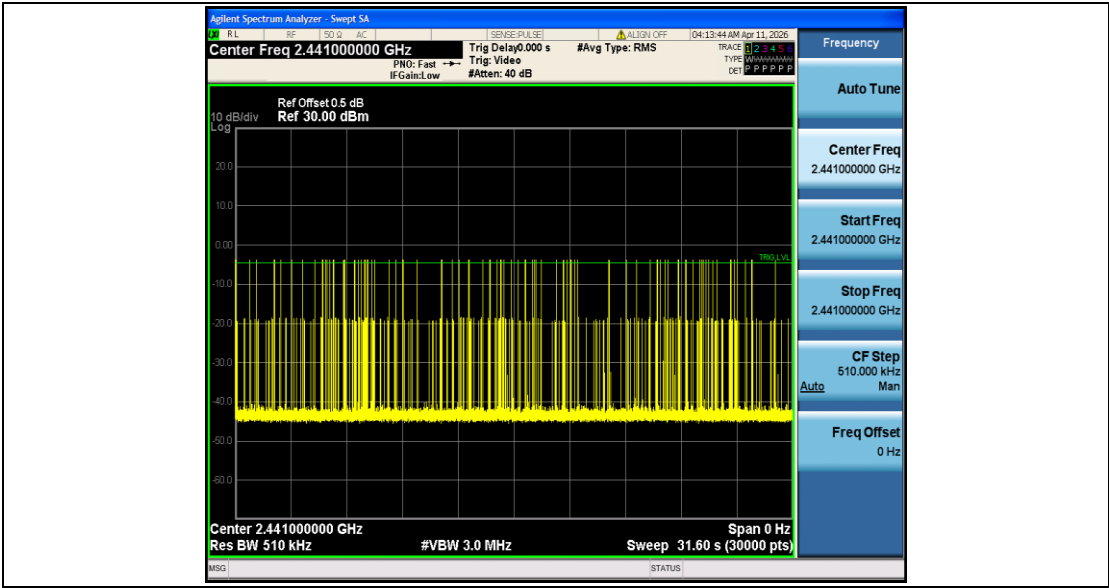


3DH3_Ant1_Hop



3DH5_Ant1_Hop



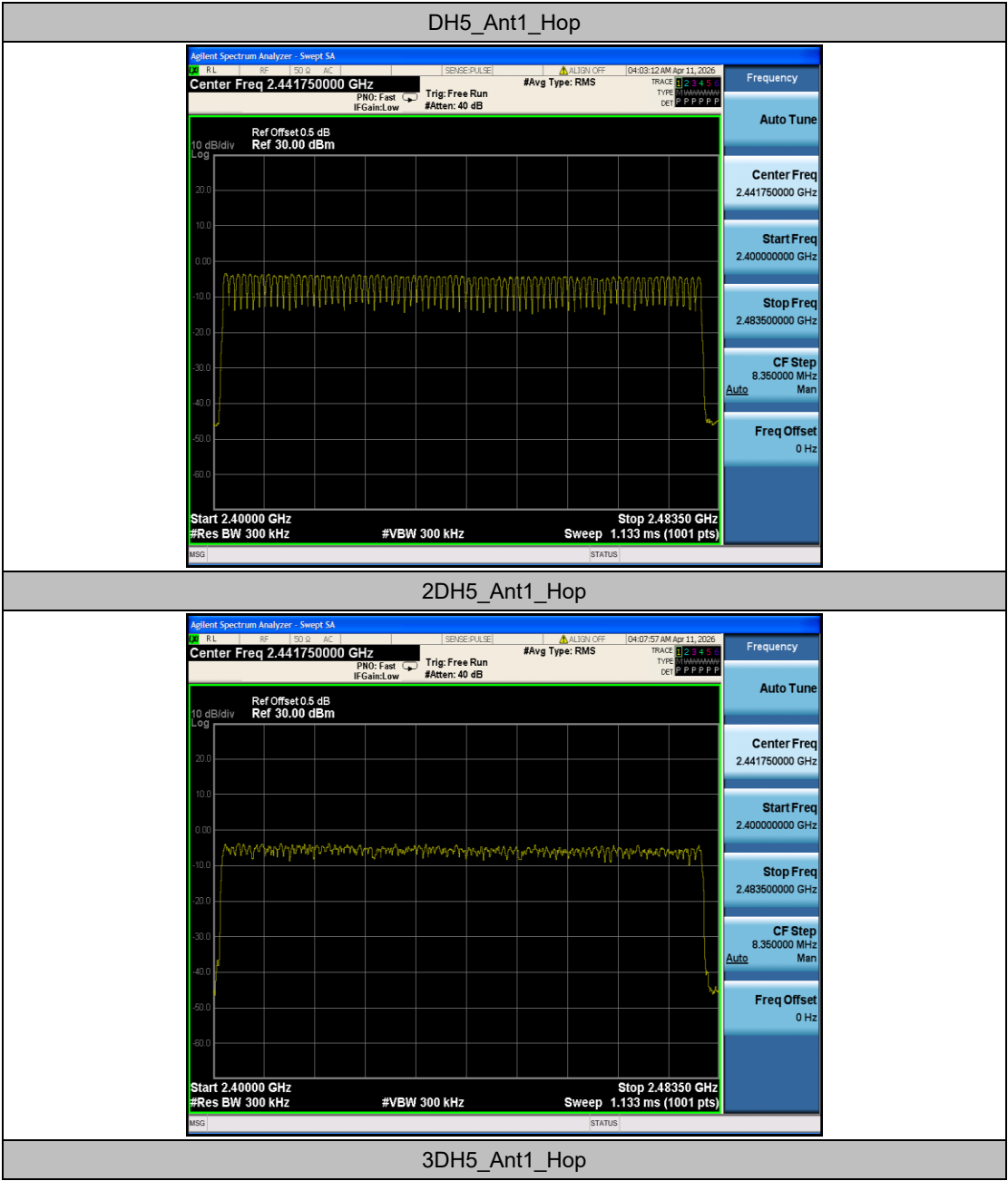


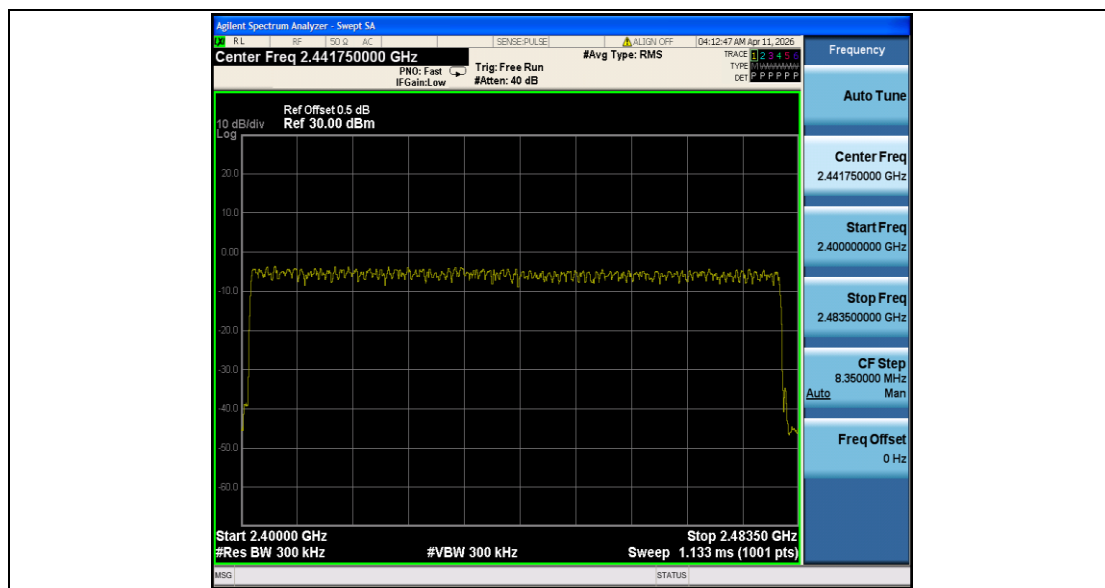
Appendix F: Number of hopping channels

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



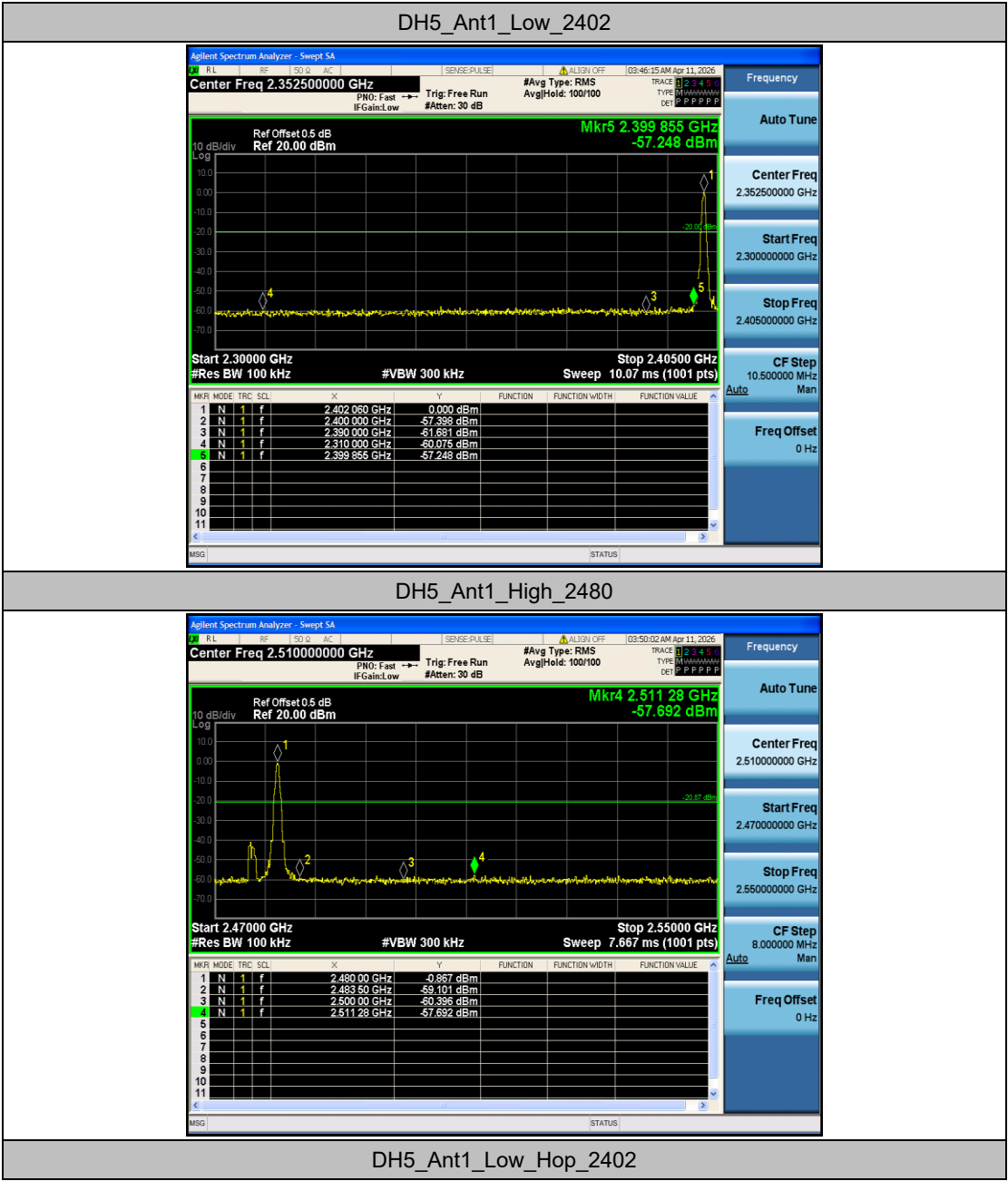


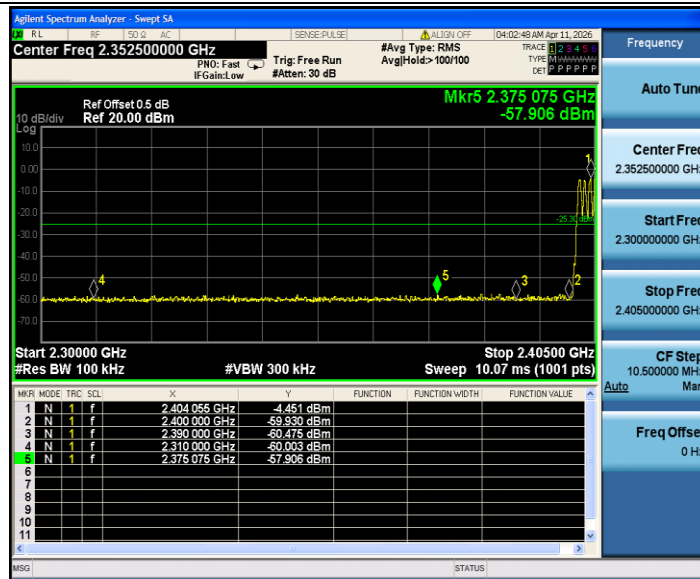
Appendix G: Band edge measurements

Test Result

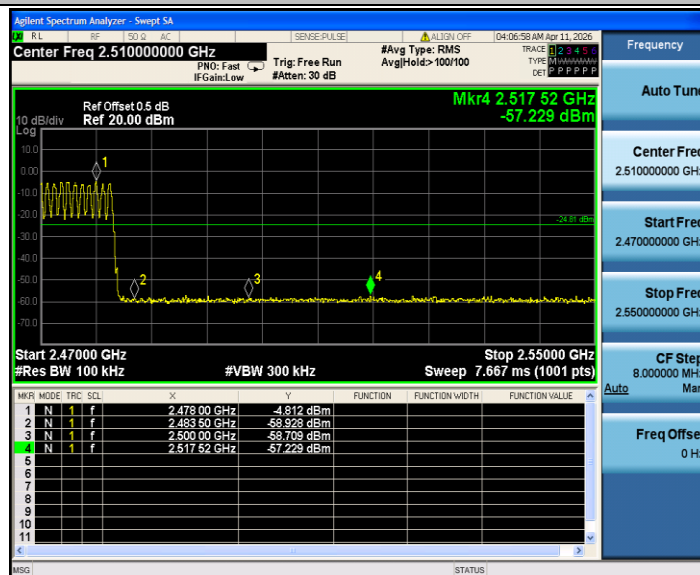
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.00	-57.25	≤-20	PASS
		High	2480	-0.87	-57.69	≤-20.87	PASS
		Low	Hop_2402	-5.30	-57.91	≤-25.3	PASS
		High	Hop_2480	-4.81	-57.23	≤-24.81	PASS
2DH5	Ant1	Low	2402	-4.74	-57.9	≤-24.74	PASS
		High	2480	-5.34	-57.44	≤-25.34	PASS
		Low	Hop_2402	-4.39	-57.08	≤-24.39	PASS
		High	Hop_2480	-8.35	-30.87	≤-28.35	PASS
3DH5	Ant1	Low	2402	-3.96	-55.79	≤-23.96	PASS
		High	2480	-5.12	-57.22	≤-25.12	PASS
		Low	Hop_2402	-6.29	-57.38	≤-26.29	PASS
		High	Hop_2480	-6.32	-57.7	≤-26.32	PASS

Test Graphs

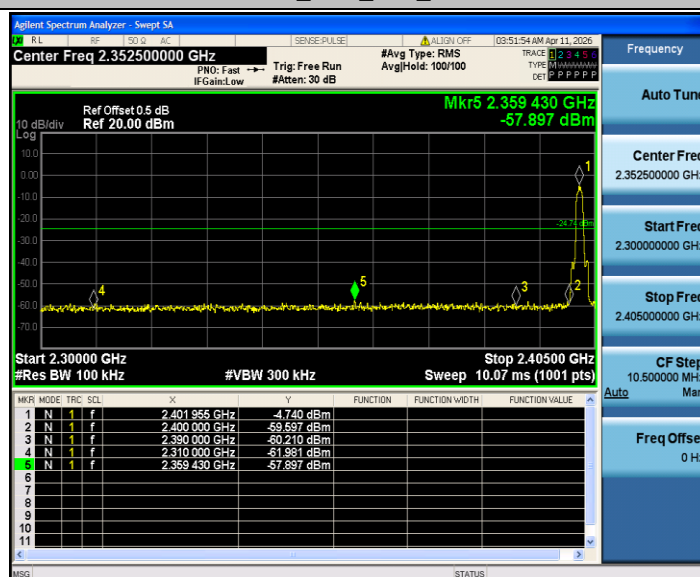




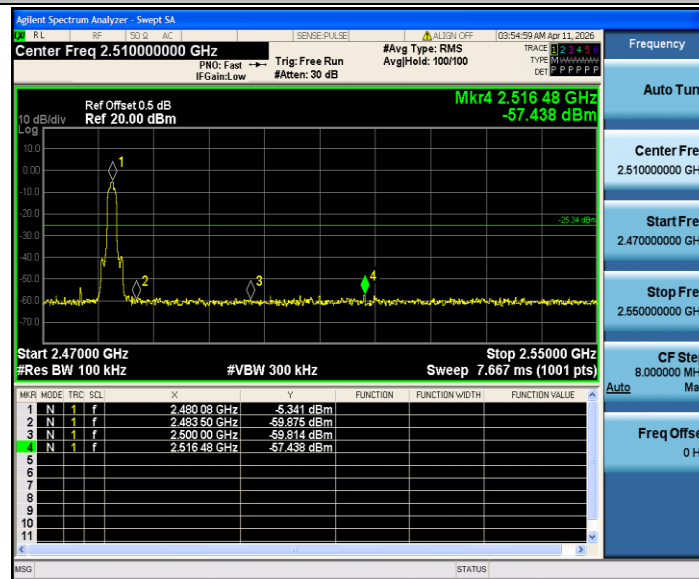
DH5_Ant1_High_Hop_2480



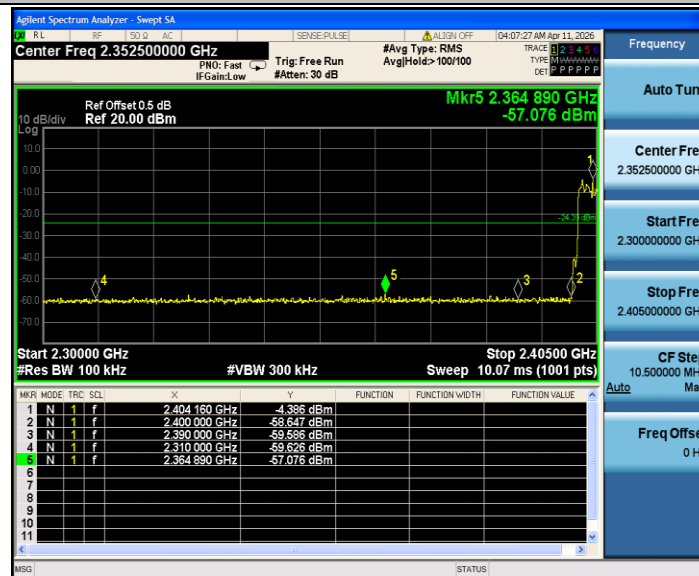
2DH5_Ant1_Low_2402



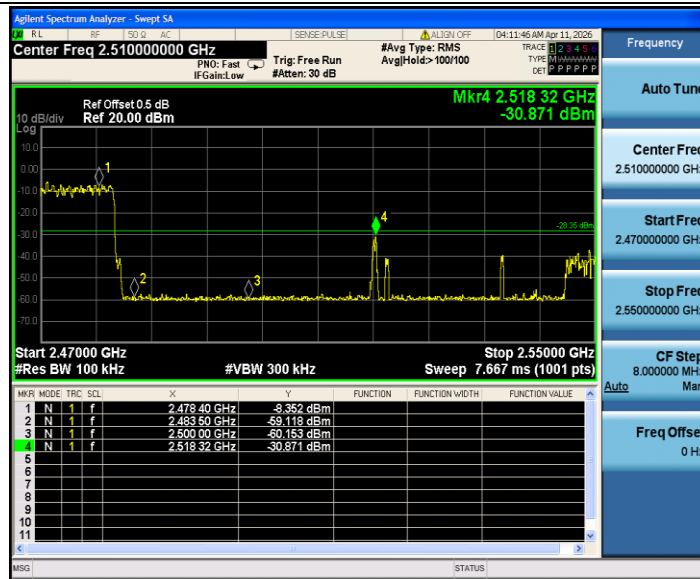
2DH5_Ant1_High_2480



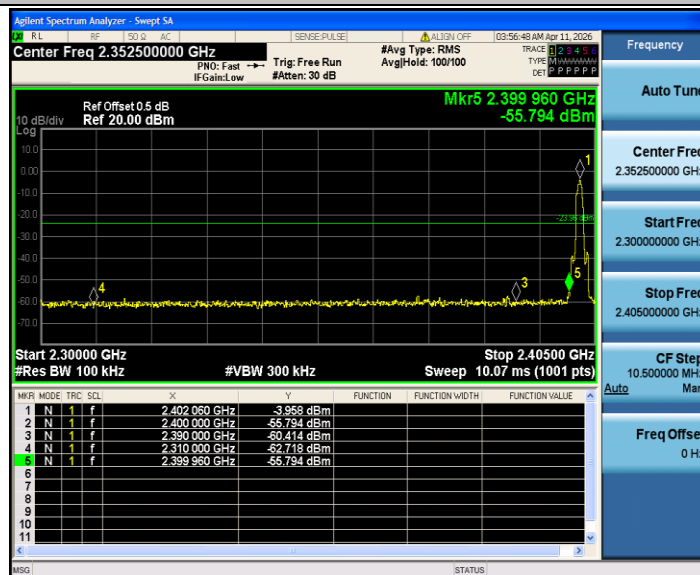
2DH5_Ant1_Low_Hop_2402



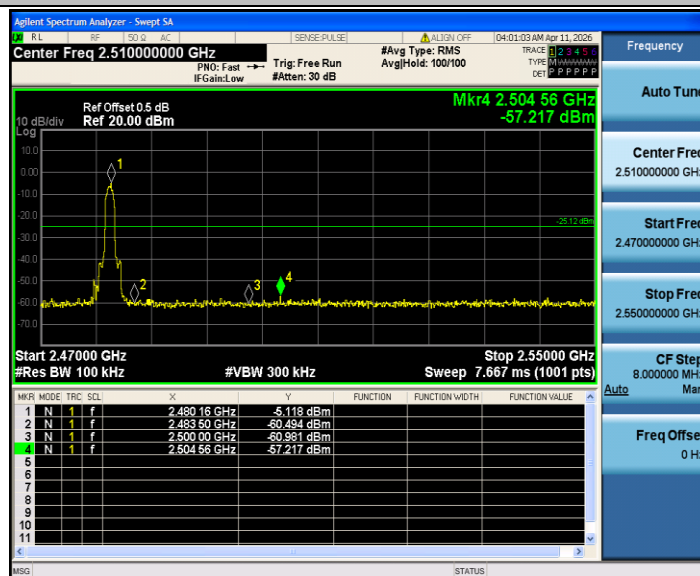
2DH5_Ant1_High_Hop_2480



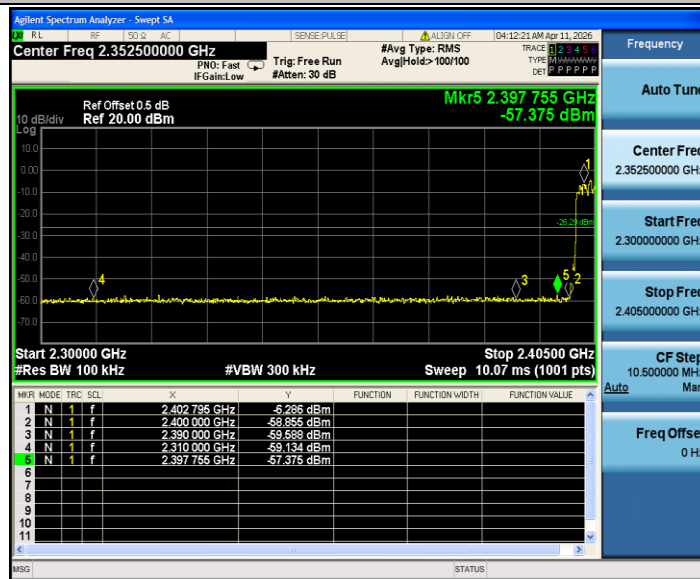
3DH5_Ant1_Low_2402



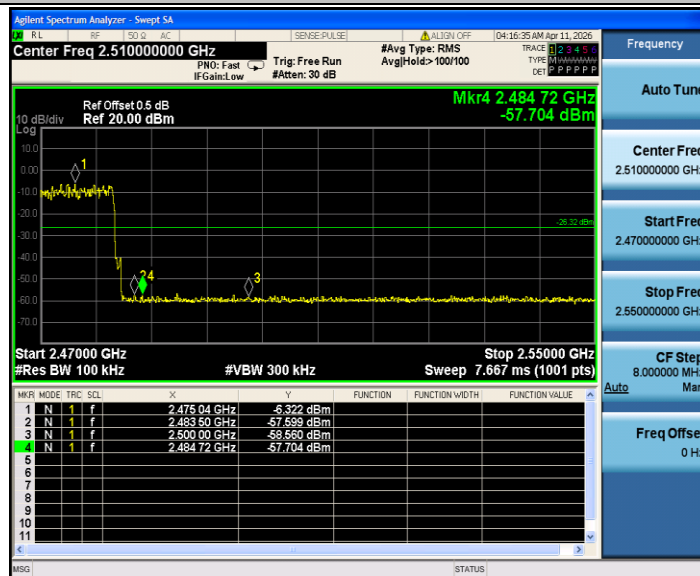
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

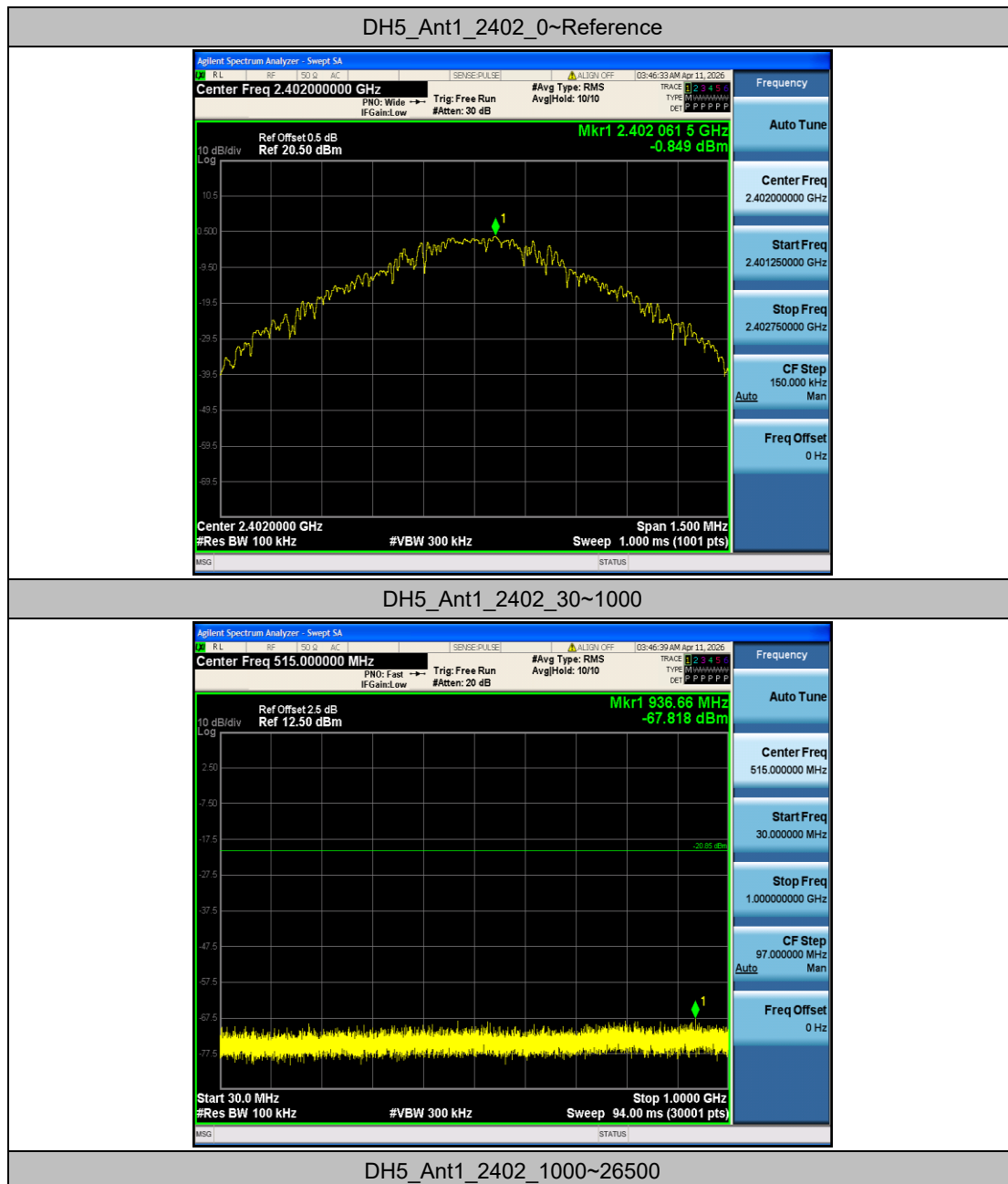


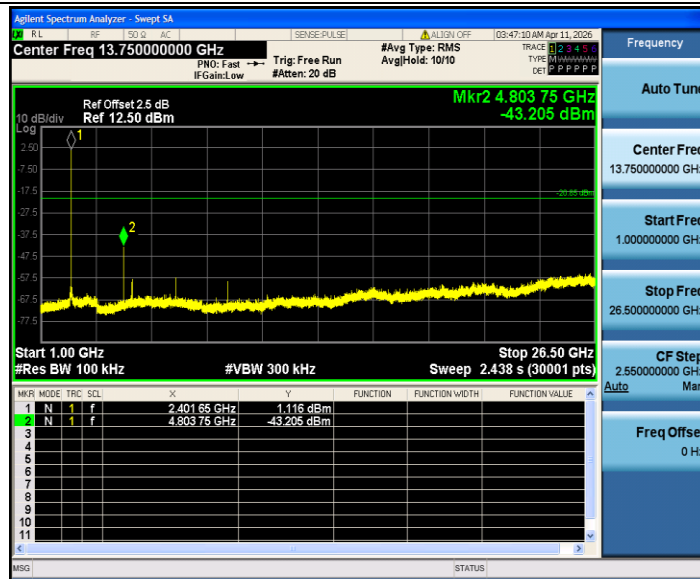
Appendix H: Conducted Spurious Emission

Test Result

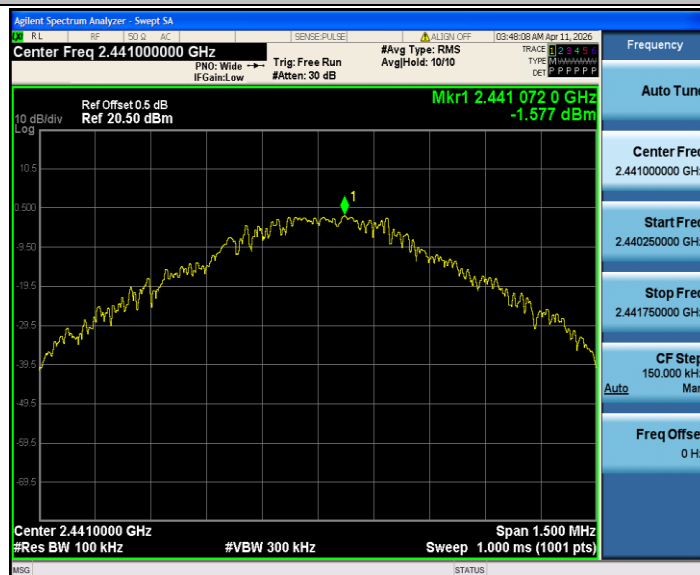
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-67.82	≤-20.85	PASS
			1000~26500	-0.85	-43.21	≤-20.85	PASS
		2441	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-67.98	≤-21.58	PASS
			1000~26500	-1.58	-44.5	≤-21.58	PASS
		2480	Reference	-1.66	-1.66	---	PASS
			30~1000	-1.66	-67.53	≤-21.66	PASS
			1000~26500	-1.66	-45.58	≤-21.66	PASS
2DH5	Ant1	2402	Reference	-7.06	-7.06	---	PASS
			30~1000	-7.06	-67.6	≤-27.06	PASS
			1000~26500	-7.06	-48.28	≤-27.06	PASS
		2441	Reference	-6.42	-6.42	---	PASS
			30~1000	-6.42	-67.4	≤-26.42	PASS
			1000~26500	-6.42	-48.16	≤-26.42	PASS
		2480	Reference	-6.45	-6.45	---	PASS
			30~1000	-6.45	-68.13	≤-26.45	PASS
			1000~26500	-6.45	-50.78	≤-26.45	PASS
3DH5	Ant1	2402	Reference	-4.94	-4.94	---	PASS
			30~1000	-4.94	-67.25	≤-24.94	PASS
			1000~26500	-4.94	-47.81	≤-24.94	PASS
		2441	Reference	-7.31	-7.31	---	PASS
			30~1000	-7.31	-68.12	≤-27.31	PASS
			1000~26500	-7.31	-50.26	≤-27.31	PASS
		2480	Reference	-6.94	-6.94	---	PASS
			30~1000	-6.94	-67.52	≤-26.94	PASS
			1000~26500	-6.94	-51.72	≤-26.94	PASS

Test Graphs

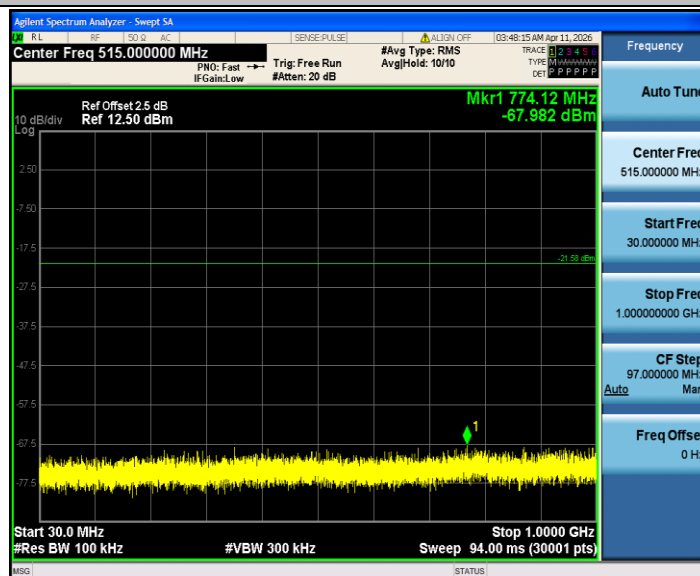




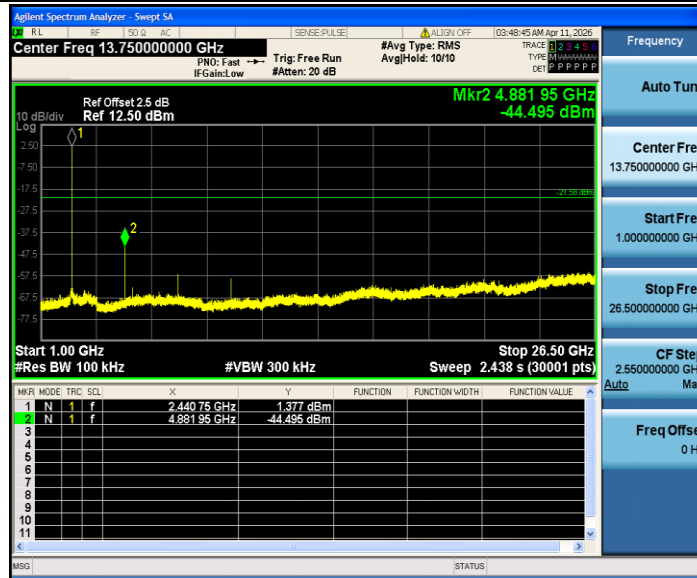
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



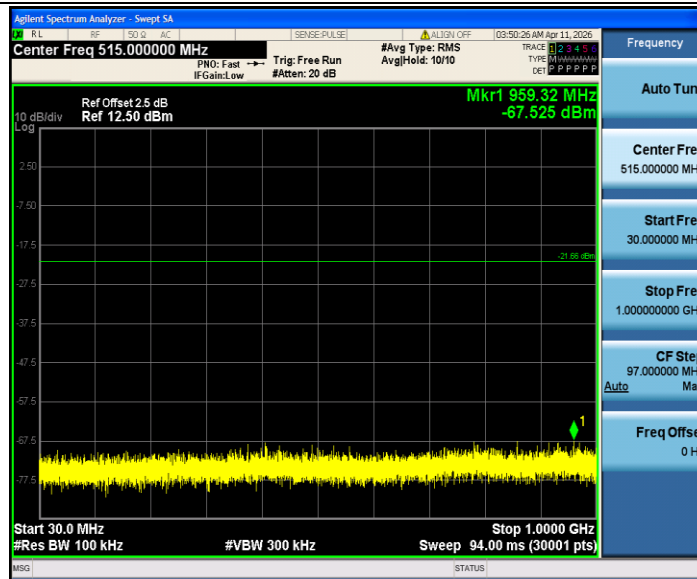
DH5_Ant1_2441_1000~26500



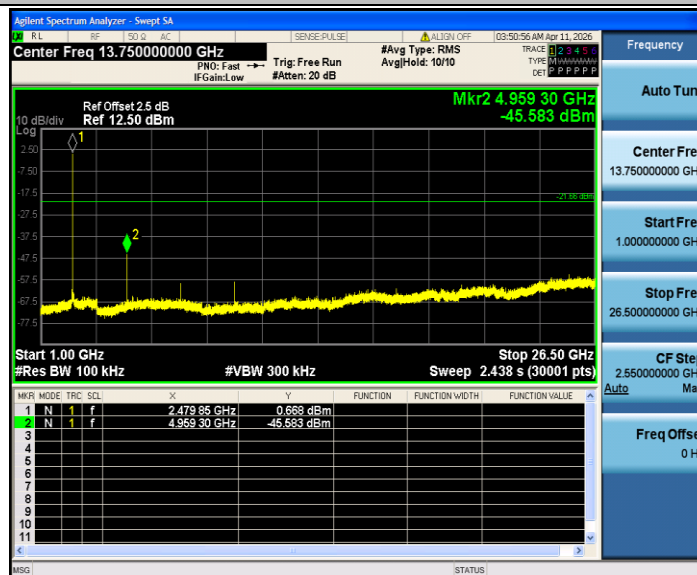
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



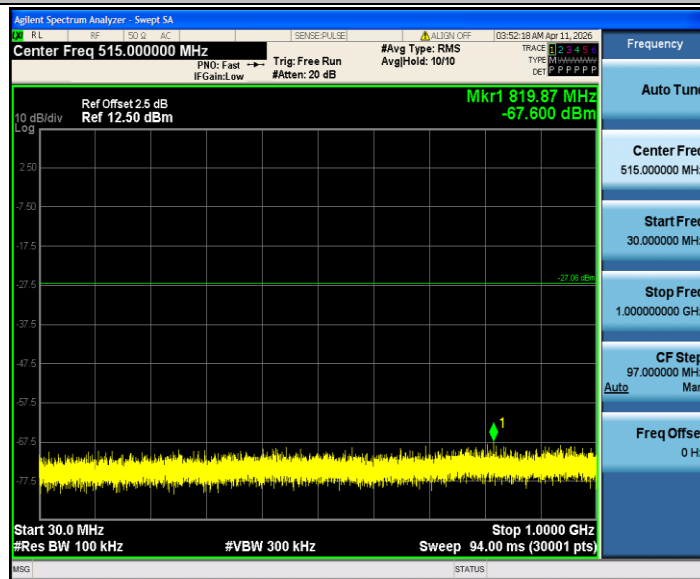
DH5_Ant1_2480_1000~26500



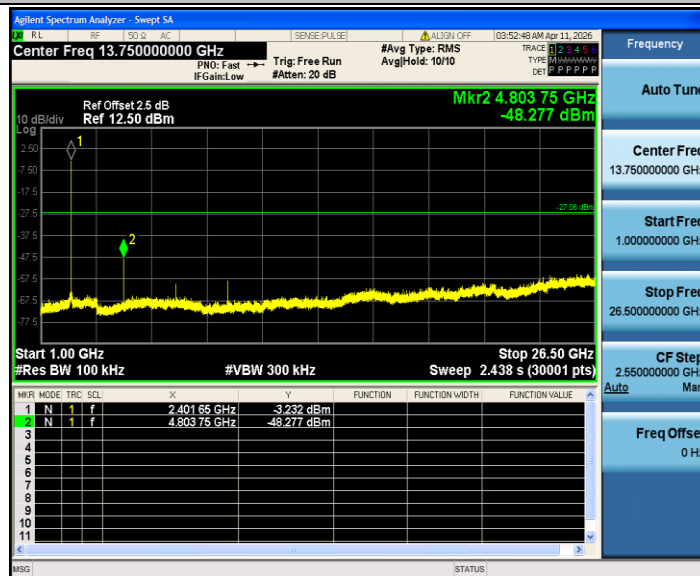
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference