

Case No. : <u>GTS20250319016-1-08</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.4.12</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.035	2401.472	2402.507	---	---
		2441	1.035	2440.472	2441.507	---	---
		2480	1.038	2479.469	2480.507	---	---
2DH1	Ant1	2402	1.344	2401.307	2402.651	---	---
		2441	1.347	2440.304	2441.651	---	---
		2480	1.344	2479.304	2480.648	---	---
3DH1	Ant1	2402	1.293	2401.325	2402.618	---	---
		2441	1.296	2440.322	2441.618	---	---
		2480	1.296	2479.322	2480.618	---	---

Test Graphs

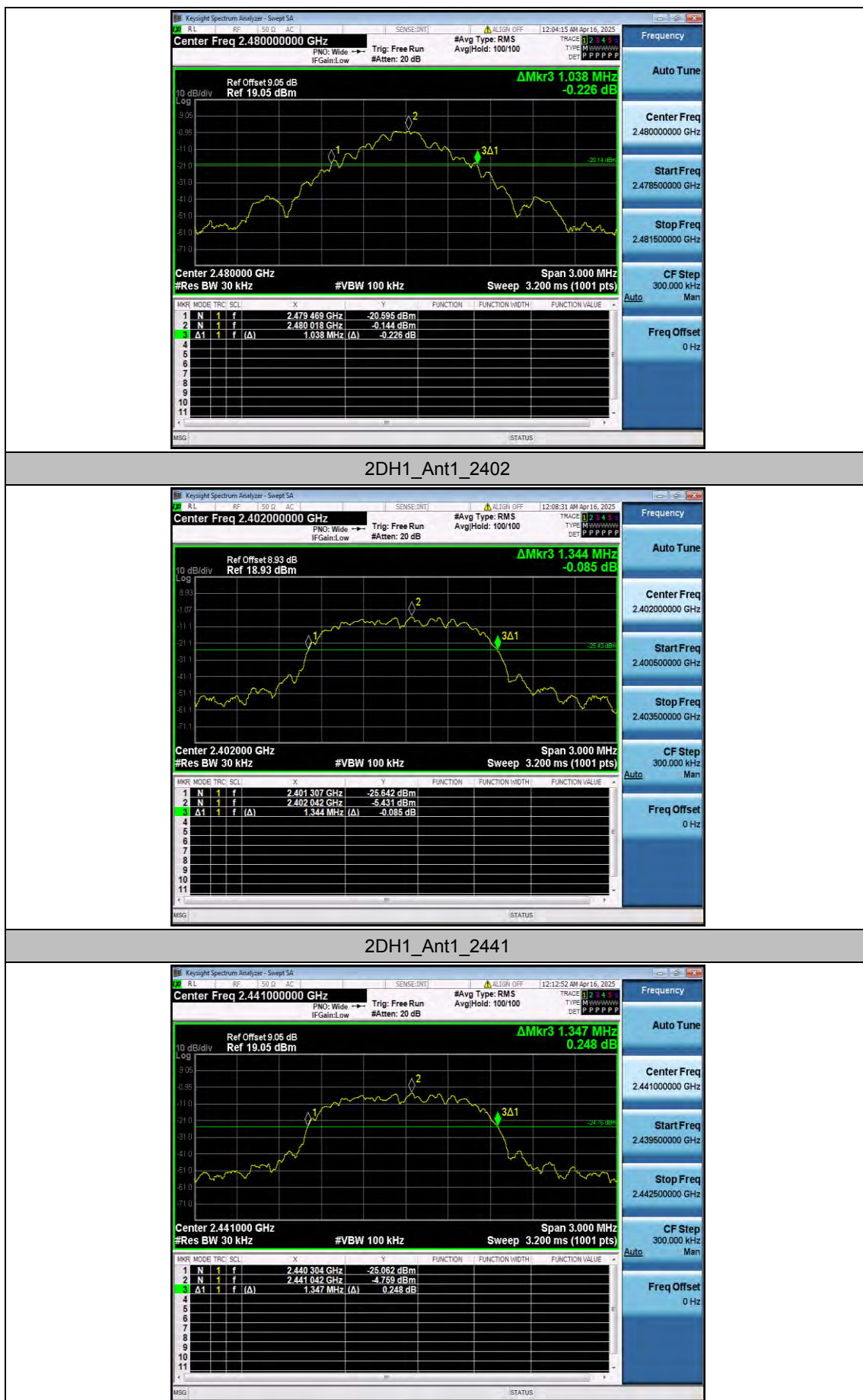
DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



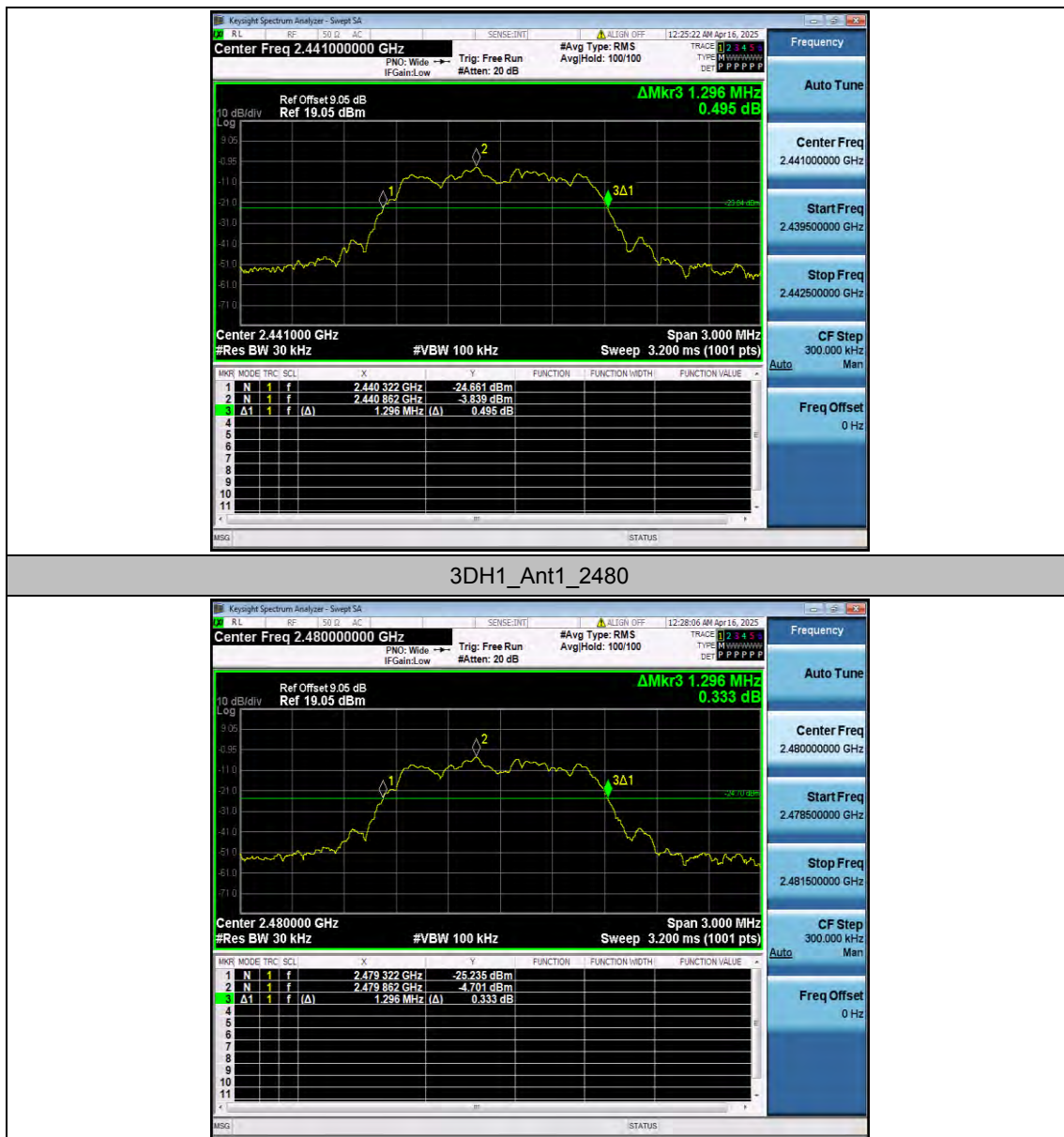
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

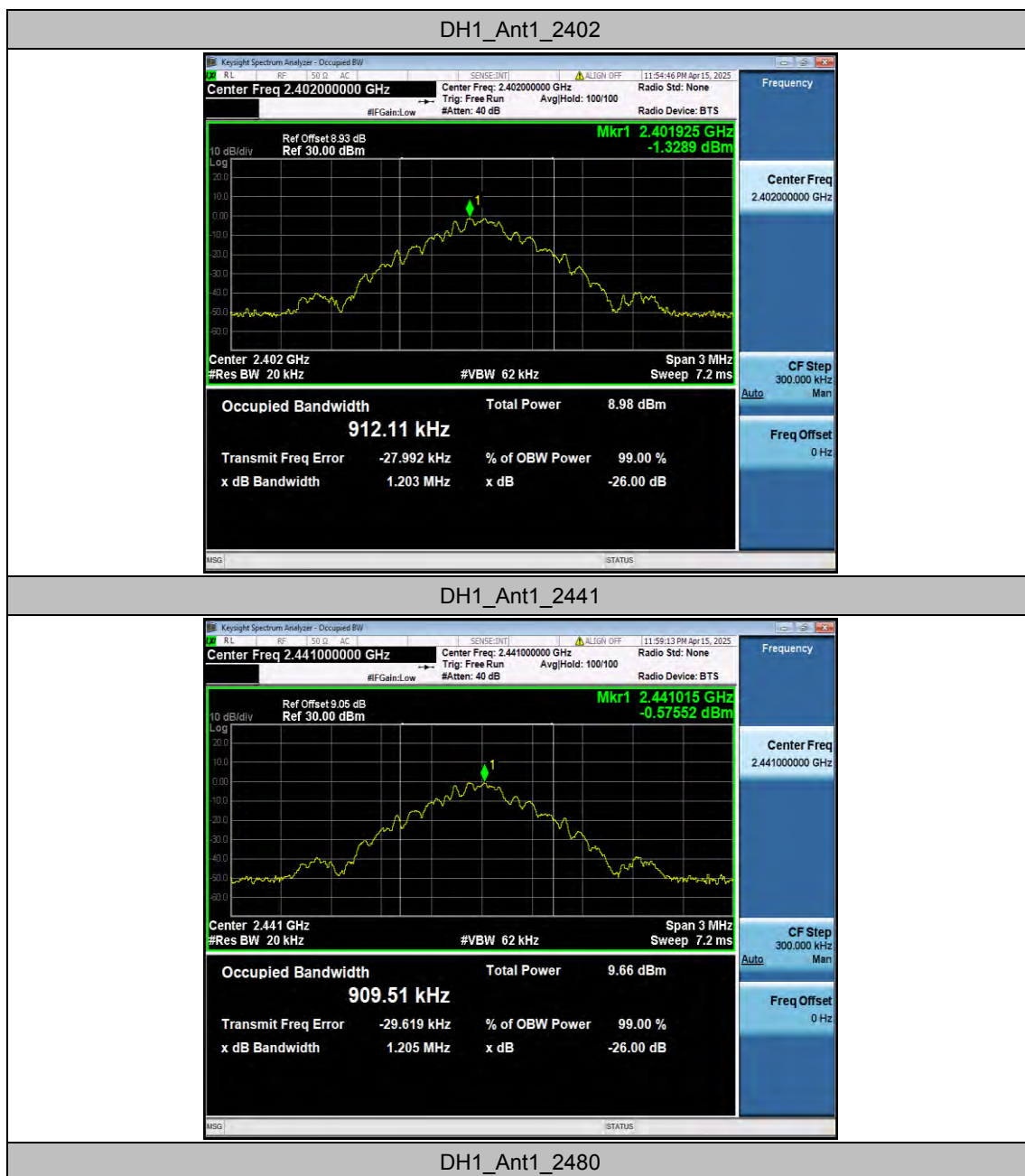


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.91211	2401.5160	2402.4281	---	---
		2441	0.90951	2440.5156	2441.4251	---	---
		2480	0.91306	2479.5114	2480.4245	---	---
2DH1	Ant1	2402	1.1851	2401.3834	2402.5685	---	---
		2441	1.1859	2440.3831	2441.5690	---	---
		2480	1.1880	2479.3809	2480.5689	---	---
3DH1	Ant1	2402	1.1722	2401.3925	2402.5647	---	---
		2441	1.1742	2440.3896	2441.5638	---	---
		2480	1.1737	2479.3907	2480.5644	---	---

Test Graphs





2DHI_Ant1_2402



2DHI_Ant1_2441



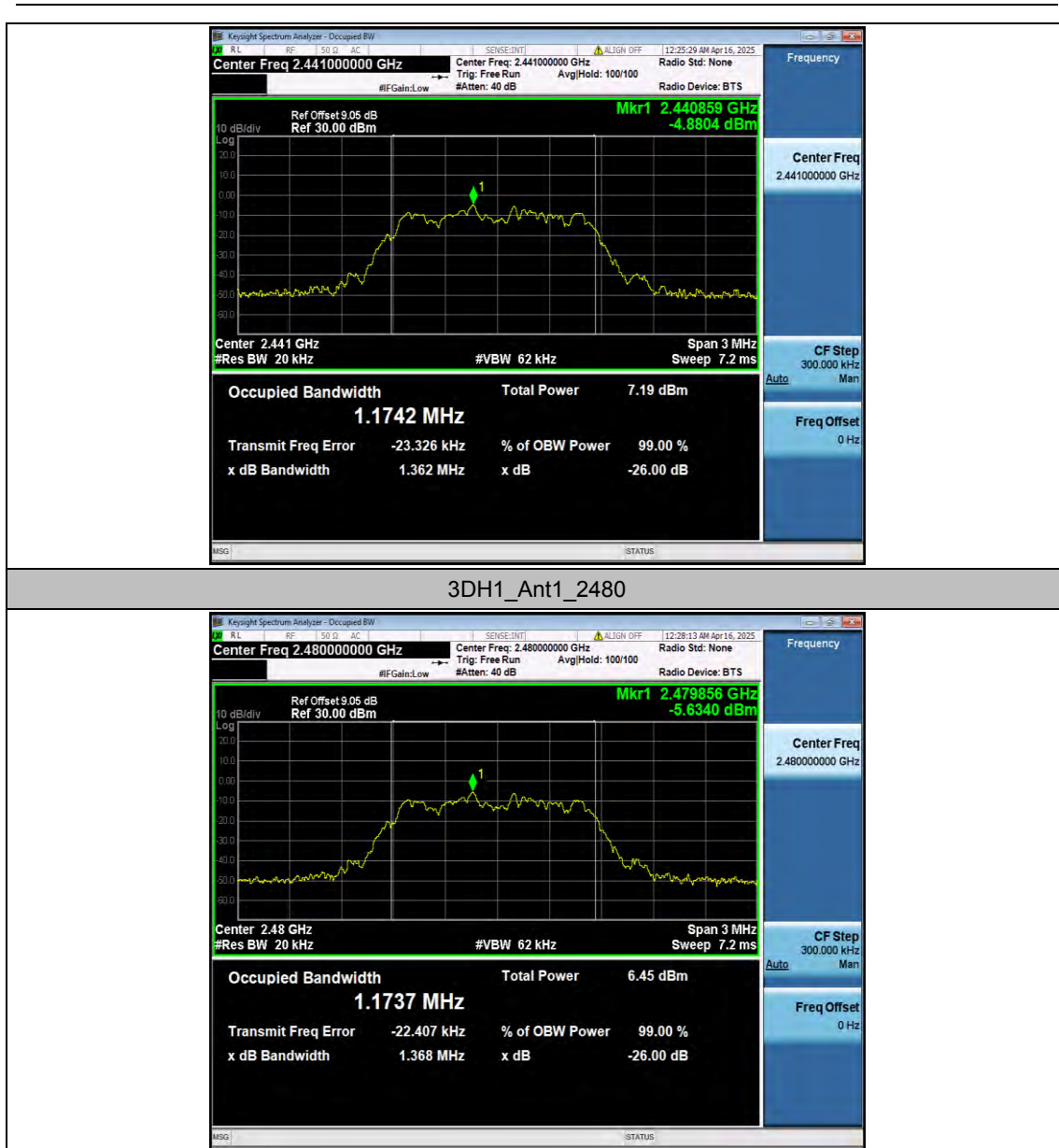
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	4.38	≤ 20.97	PASS
		2441	5.07	≤ 20.97	PASS
		2480	4.34	≤ 20.97	PASS
2DH1	Ant1	2402	4.33	≤ 20.97	PASS
		2441	5.09	≤ 20.97	PASS
		2480	4.27	≤ 20.97	PASS
3DH1	Ant1	2402	4.58	≤ 20.97	PASS
		2441	5.31	≤ 20.97	PASS
		2480	4.64	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.322	≥ 1.038	PASS
		Hop_2441	1.012	≥ 0.692	PASS
		Hop_2480	1.002	≥ 0.692	PASS
2DH1	Ant1	Hop_2402	0.996	≥ 0.898	PASS
		Hop_2441	1	≥ 0.898	PASS
		Hop_2480	0.974	≥ 0.898	PASS
3DH1	Ant1	Hop_2402	0.976	≥ 0.864	PASS
		Hop_2441	1.012	≥ 0.864	PASS
		Hop_2480	1.028	≥ 0.864	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



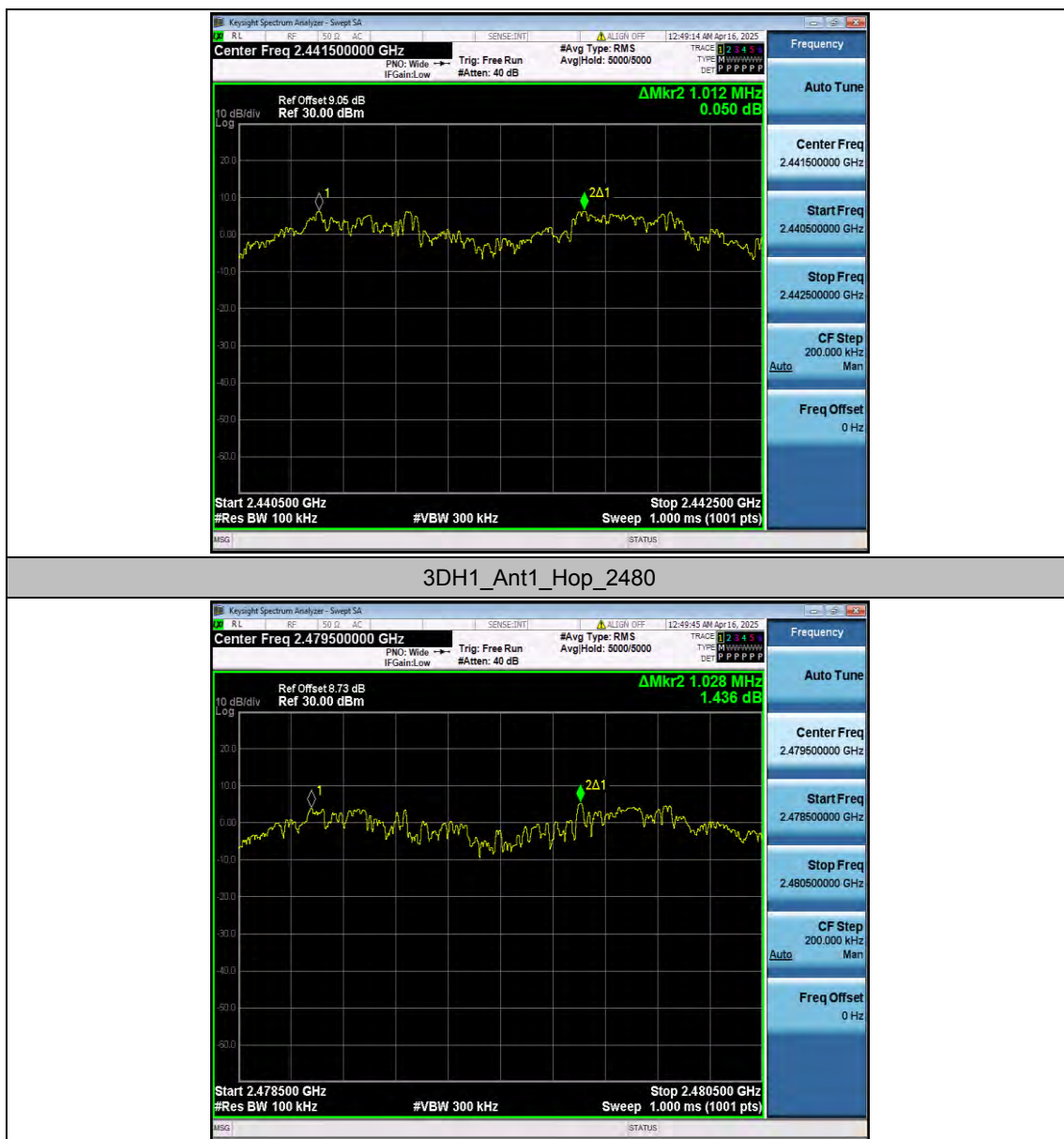
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

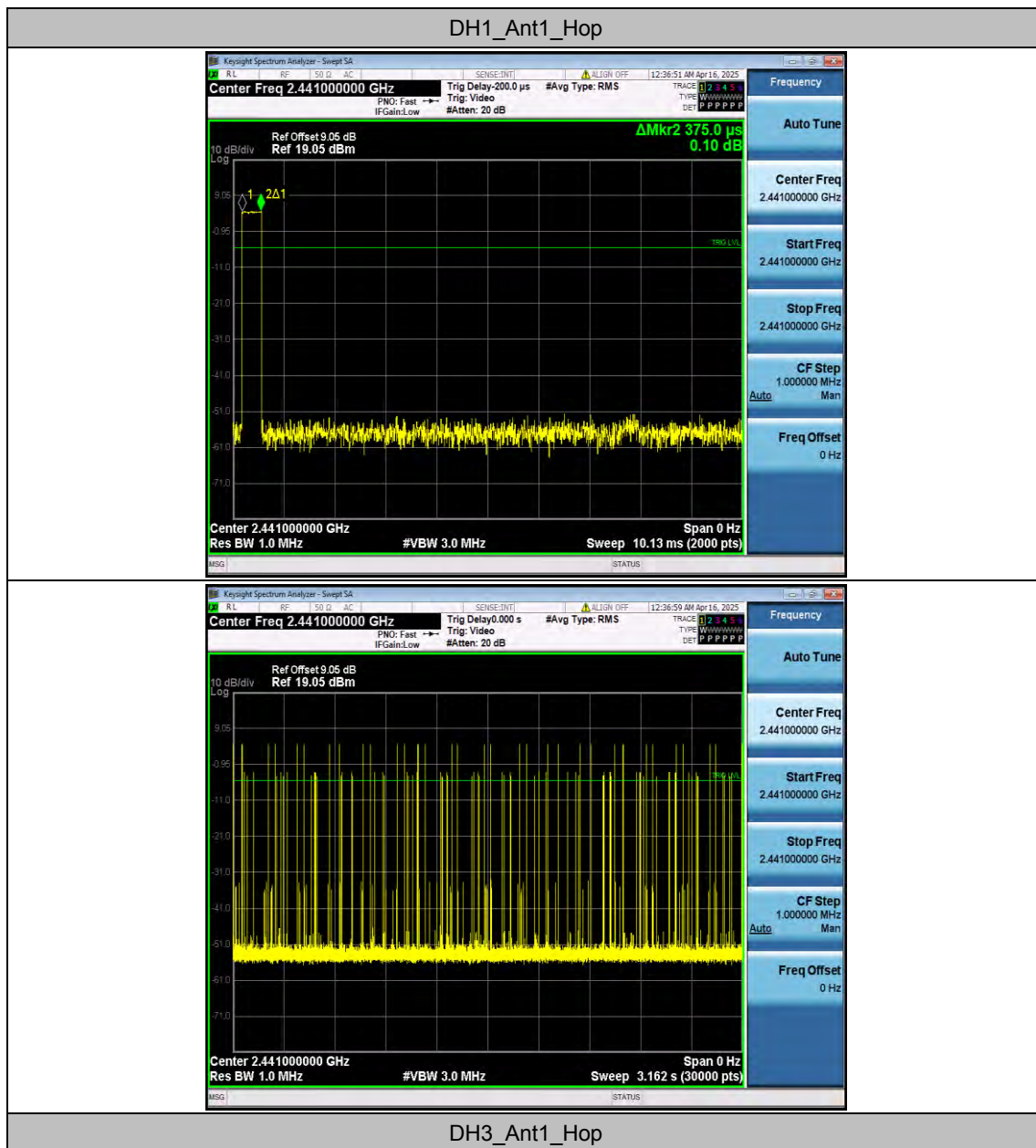


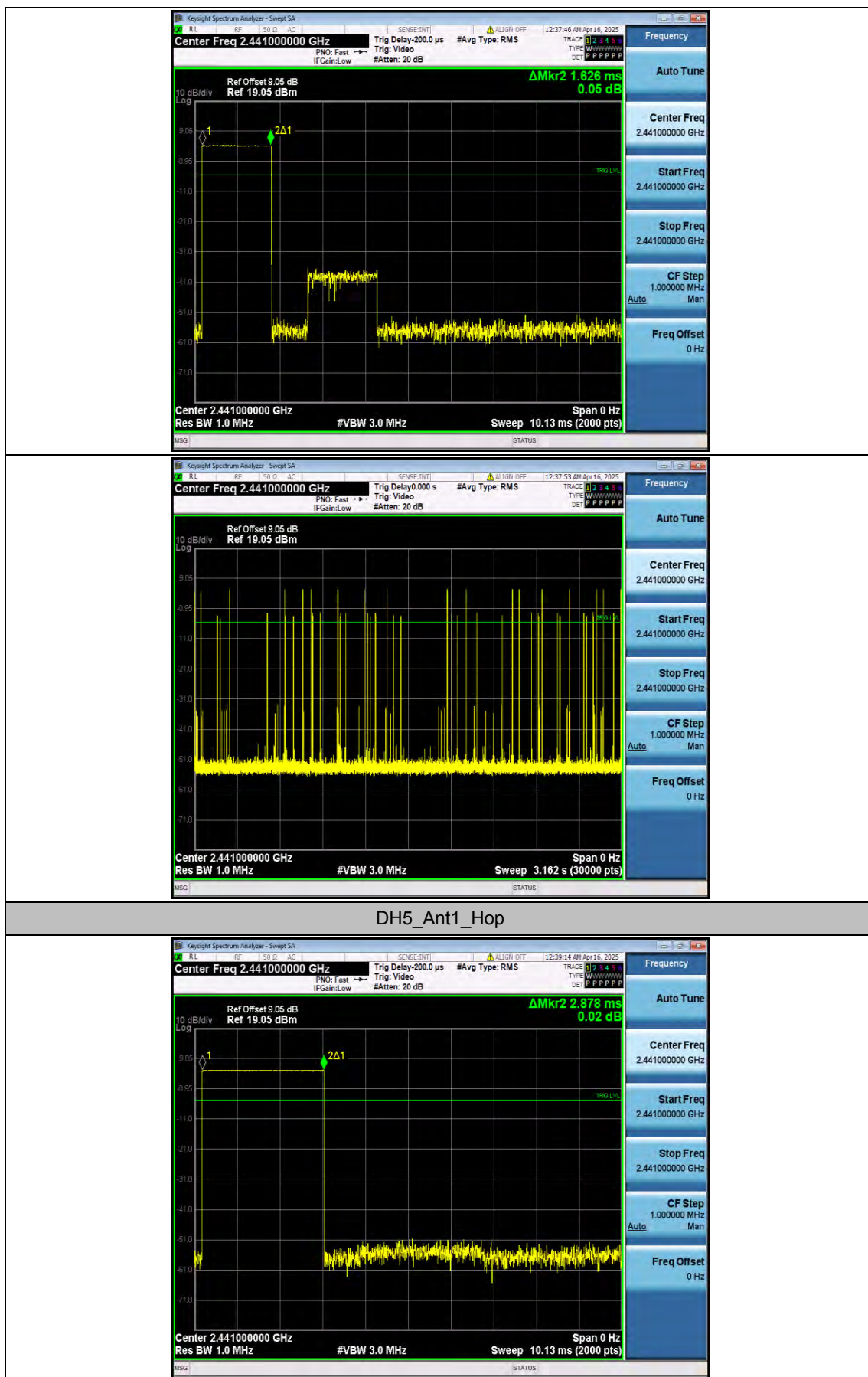
Appendix A.5: Time of occupancy

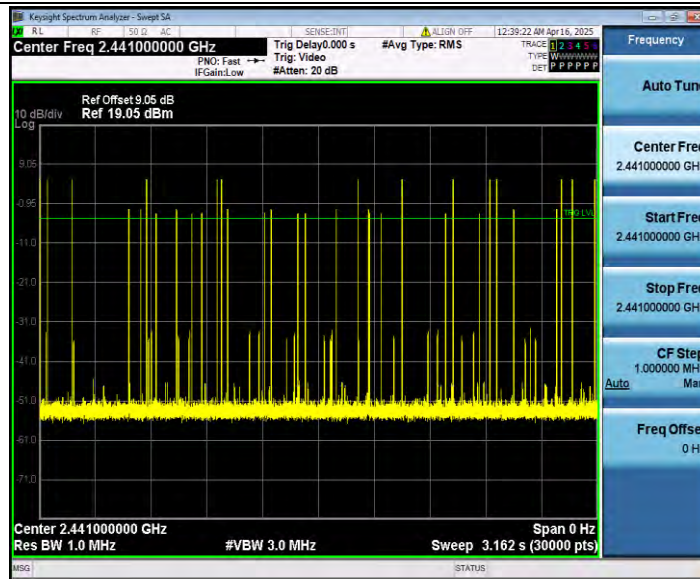
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.626	180	0.293	≤0.4	PASS
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.637	190	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.883	80	0.231	≤0.4	PASS
3DH1	Ant1	Hop	0.385	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.631	190	0.31	≤0.4	PASS
3DH5	Ant1	Hop	2.883	60	0.173	≤0.4	PASS

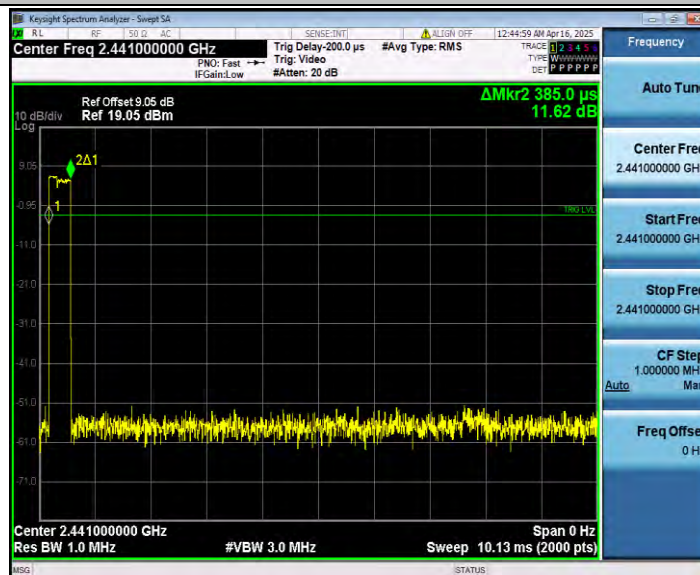
Test Graphs



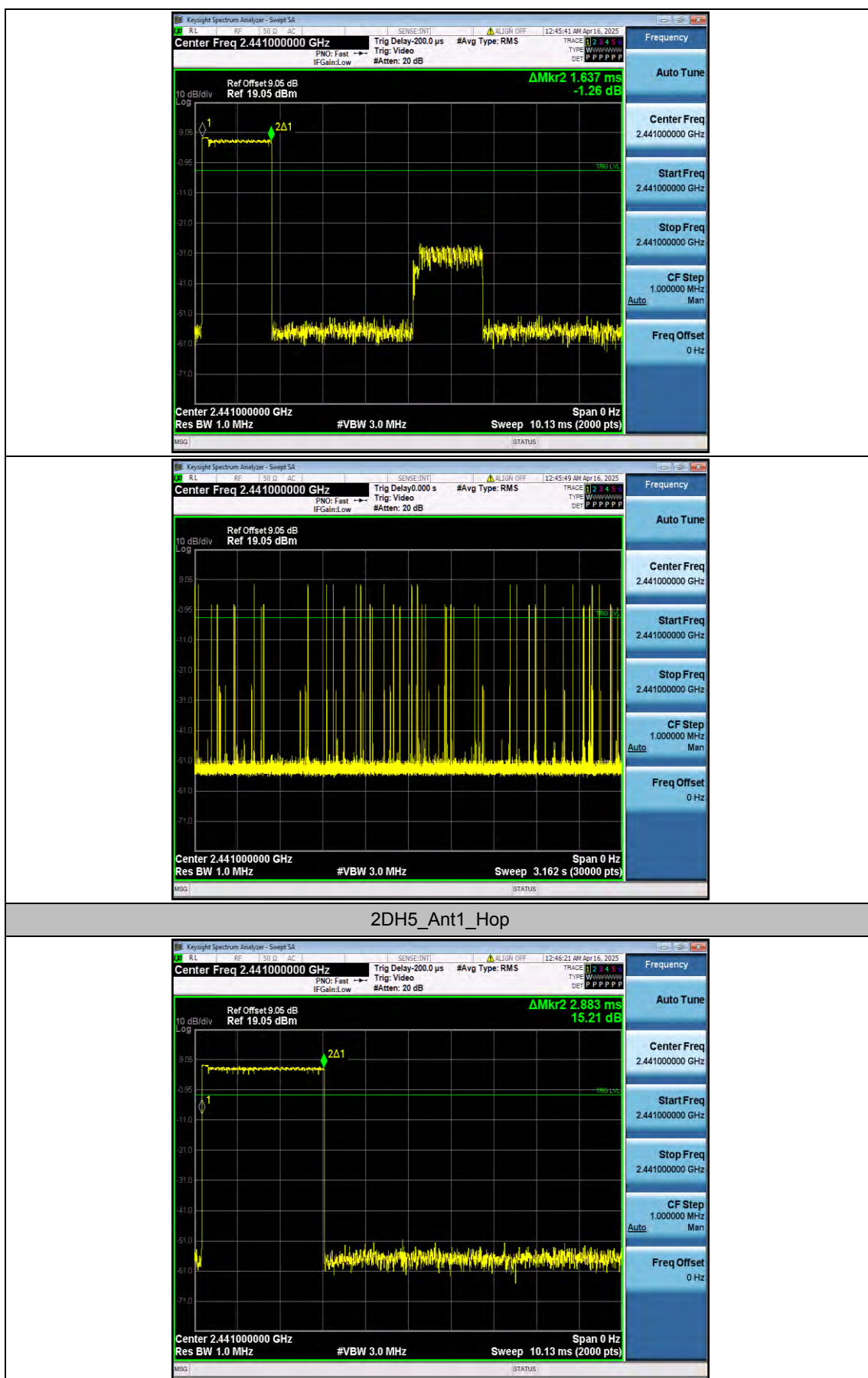


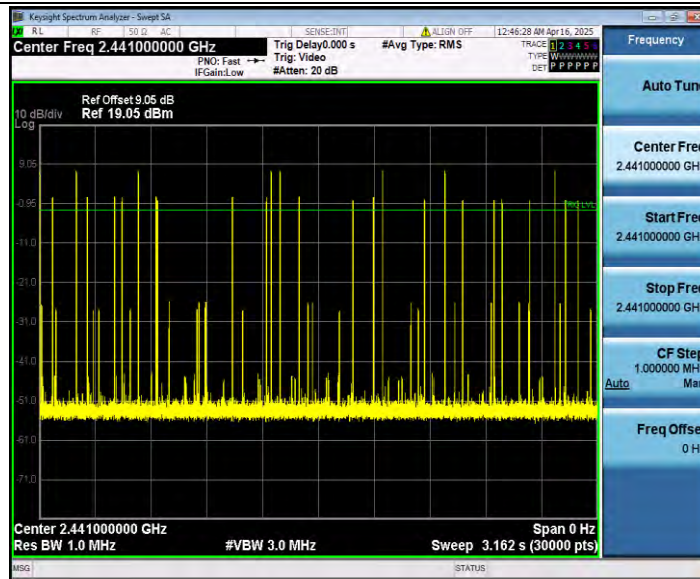


2DH1_Ant1_Hop

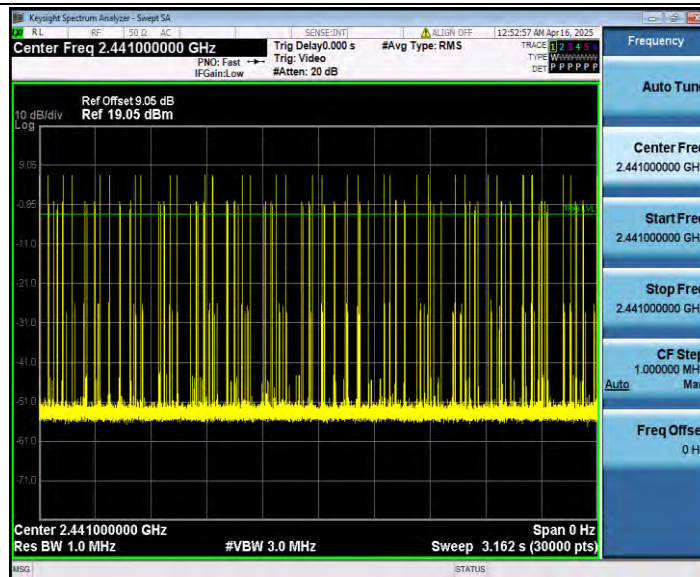
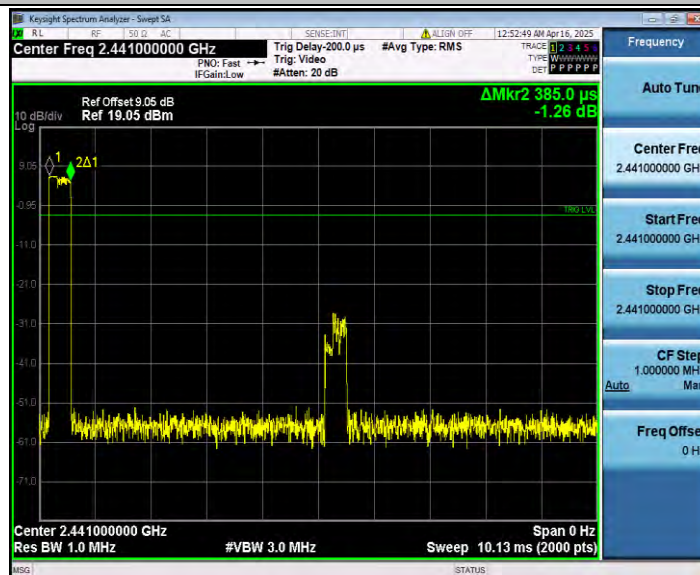


2DH3_Ant1_Hop

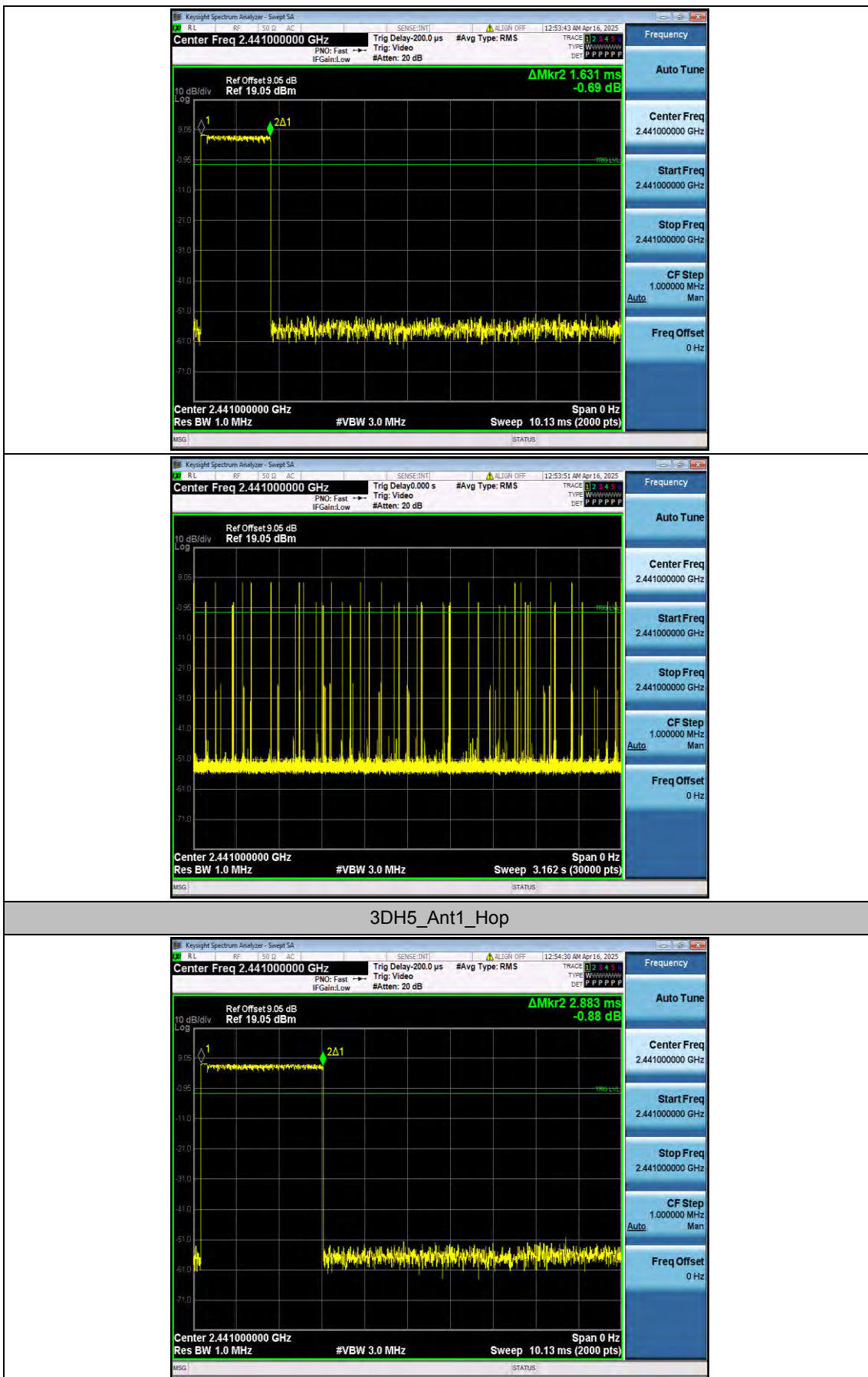




3DH1_Ant1_Hop



3DH3_Ant1_Hop



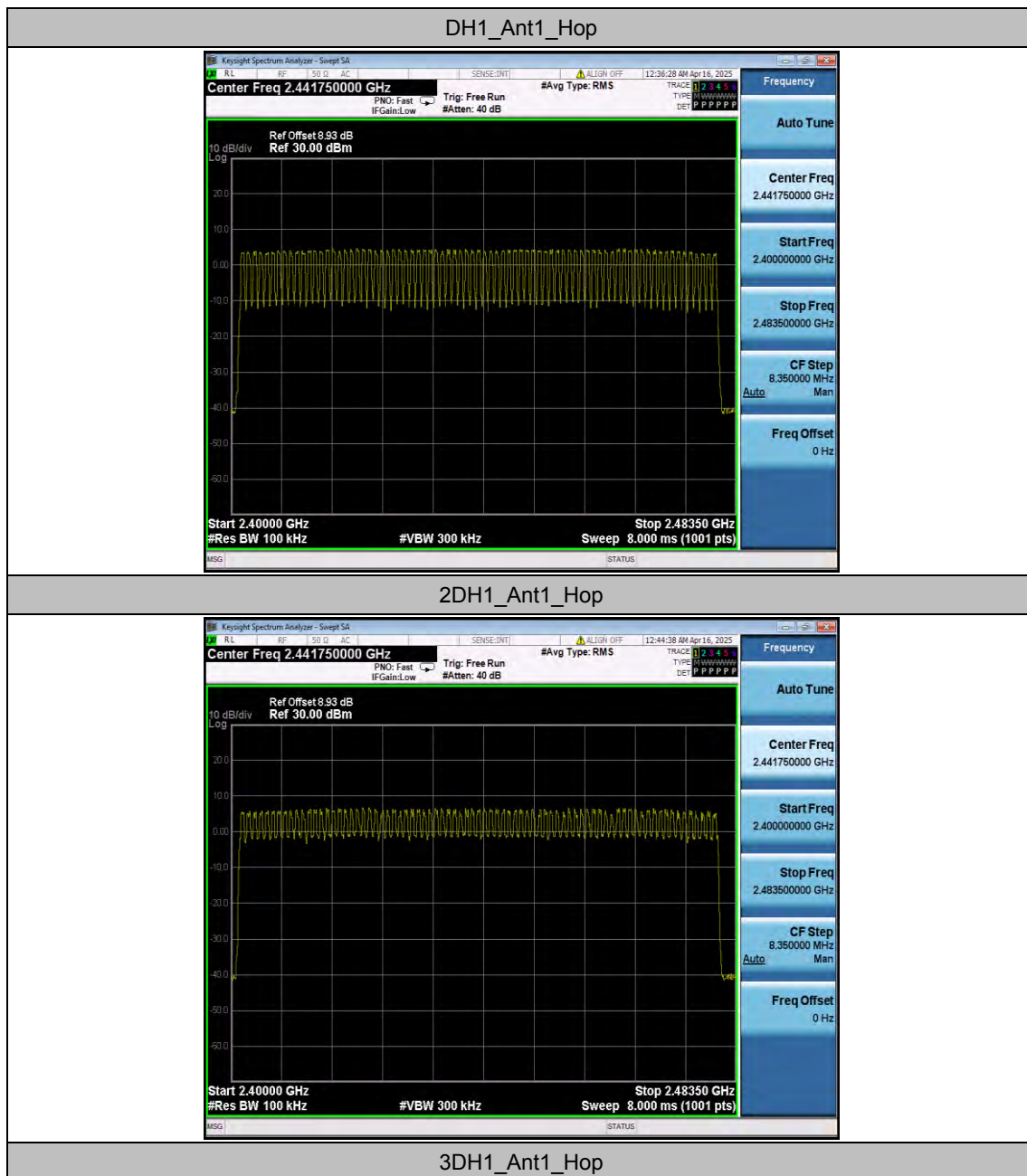


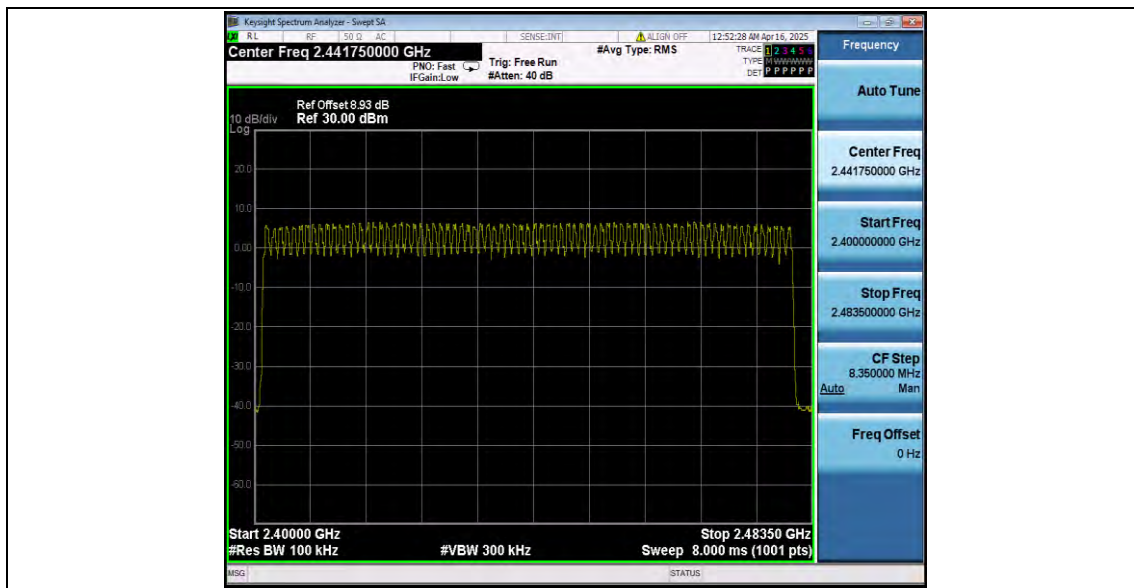
Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs





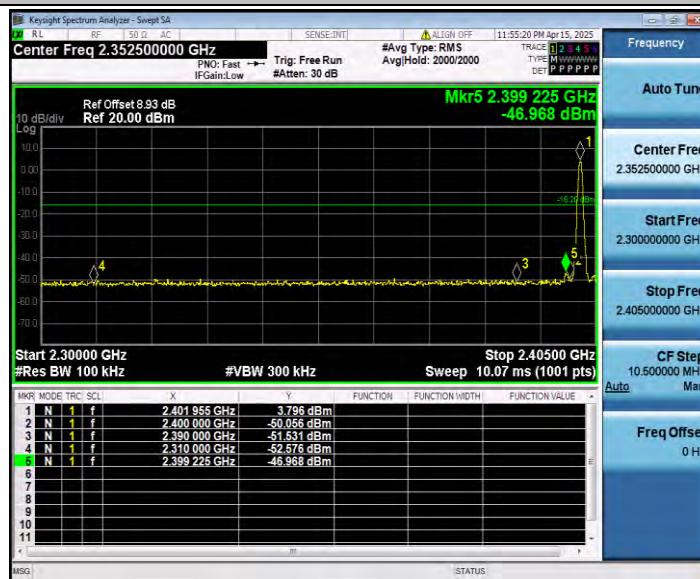
Appendix A.7: Band edge measurements

Test Result

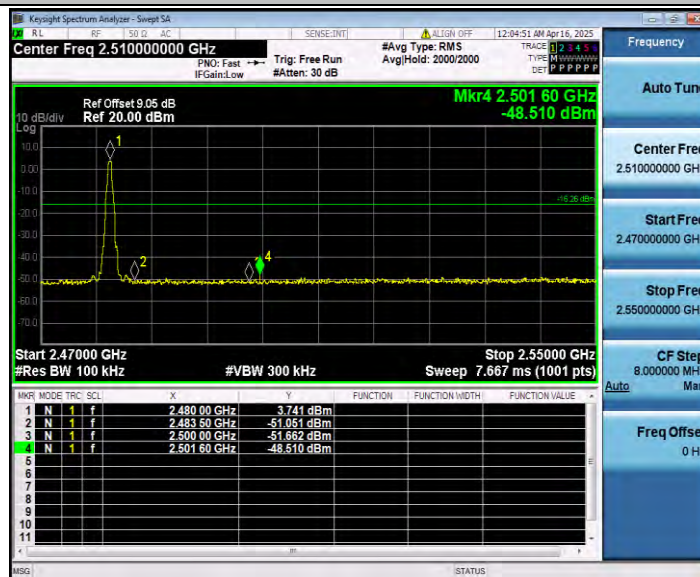
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	3.80	-46.97	≤ -16.2	PASS
		High	2480	3.74	-48.51	≤ -16.26	PASS
		Low	Hop_2402	3.51	-48.51	≤ -16.49	PASS
		High	Hop_2480	4.48	-48.44	≤ -15.52	PASS
2DH1	Ant1	Low	2402	-0.55	-48.47	≤ -20.55	PASS
		High	2480	-0.52	-48.82	≤ -20.52	PASS
		Low	Hop_2402	4.54	-49.5	≤ -15.46	PASS
		High	Hop_2480	6.24	-48.11	≤ -13.77	PASS
3DH1	Ant1	Low	2402	-0.30	-48.64	≤ -20.3	PASS
		High	2480	-0.18	-48.83	≤ -20.18	PASS
		Low	Hop_2402	5.55	-49.15	≤ -14.45	PASS
		High	Hop_2480	6.81	-48.42	≤ -13.19	PASS

Test Graphs

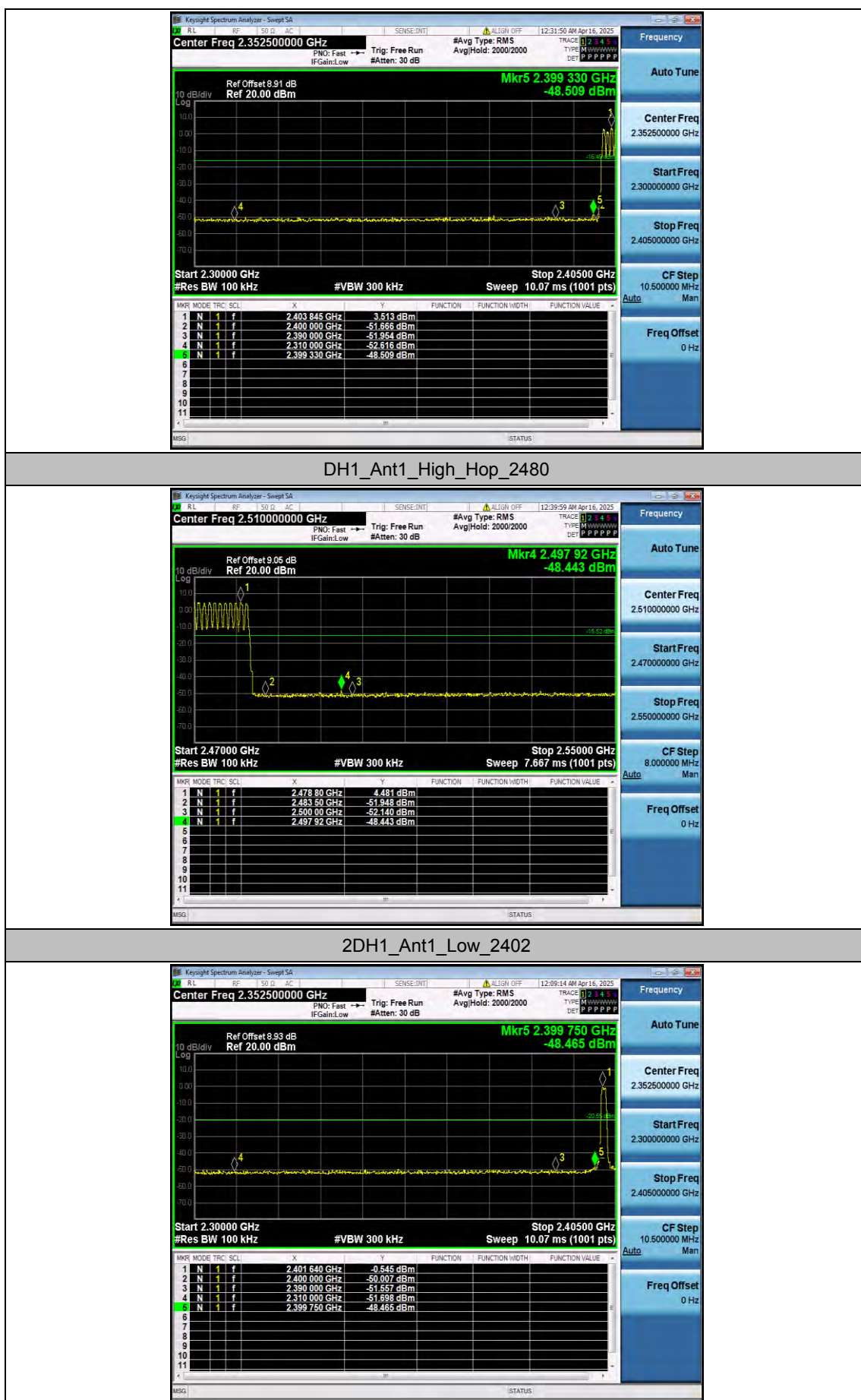
DH1_Ant1_Low_2402



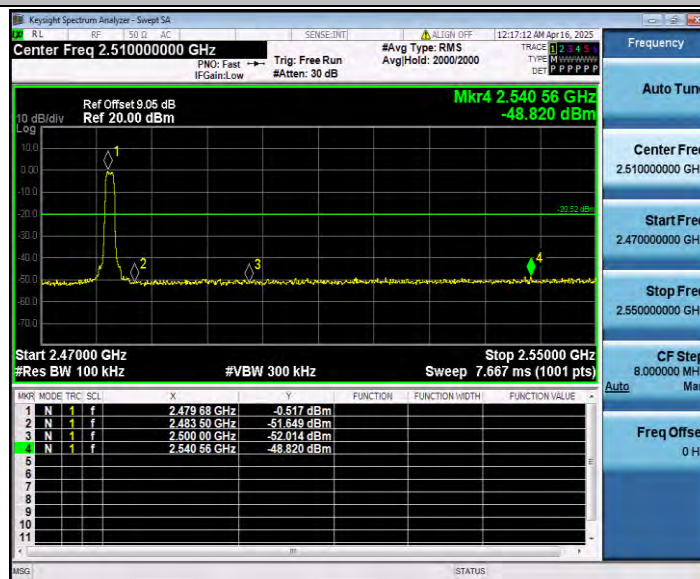
DH1_Ant1_High_2480



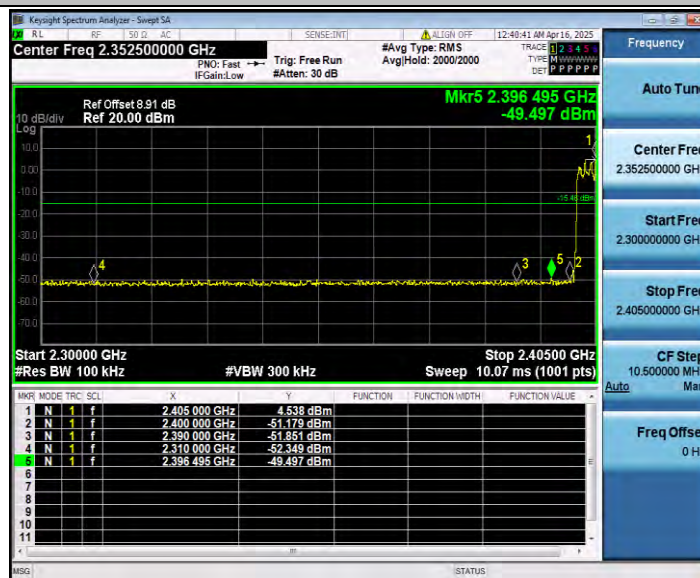
DH1_Ant1_Low_Hop_2402



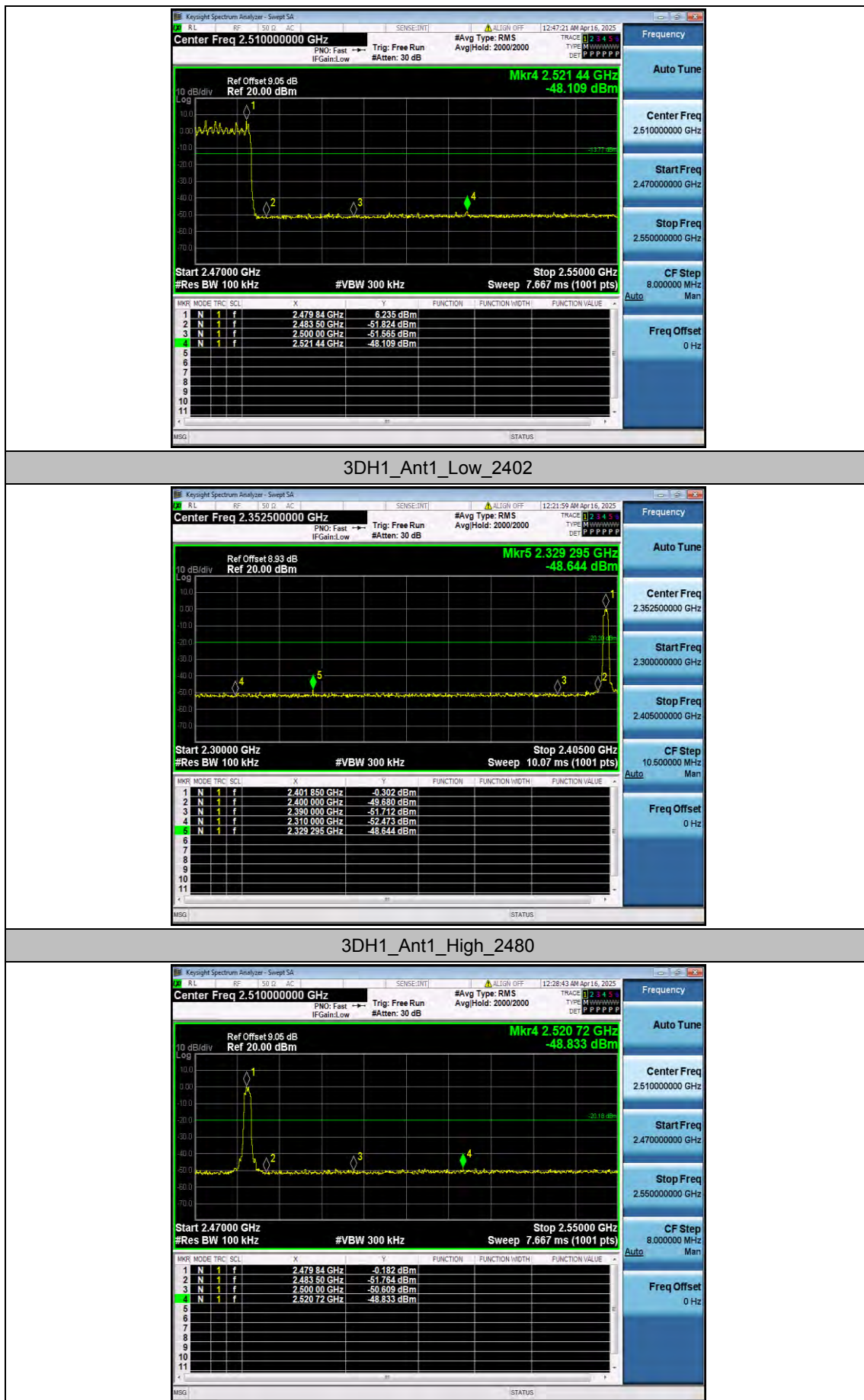
2DH1_Ant1_High_2480



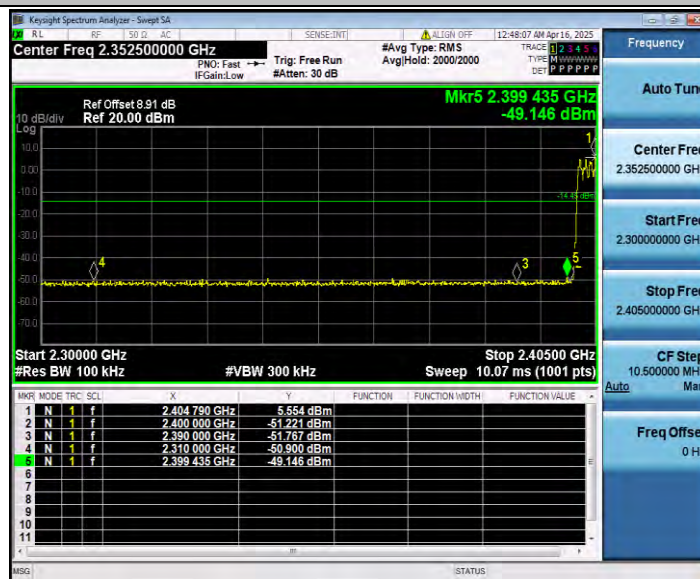
2DH1_Ant1_Low_Hop_2402



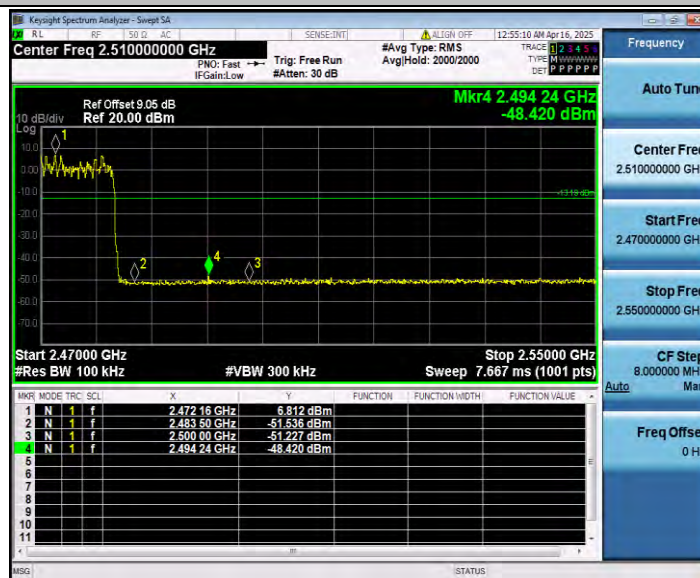
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

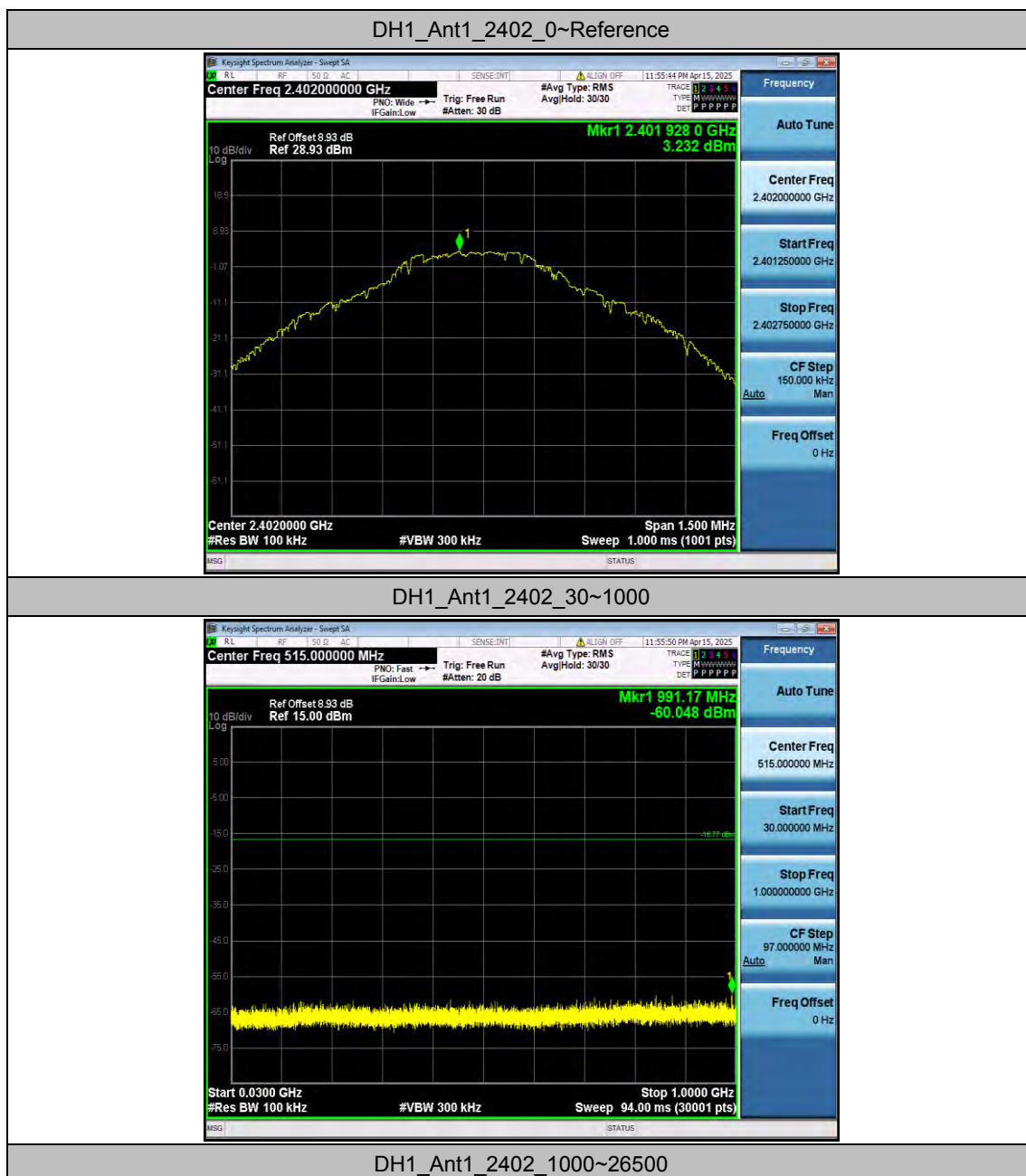


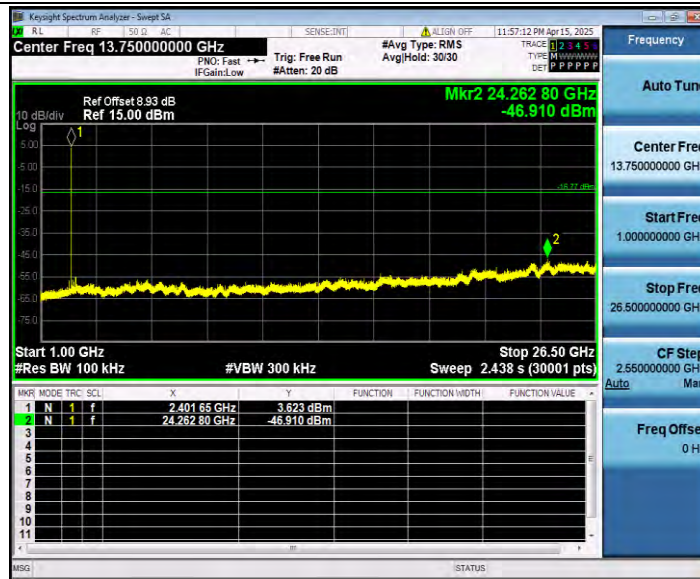
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-60.05	≤ -16.77	PASS
			1000~26500	3.23	-46.91	≤ -16.77	PASS
		2441	Reference	3.98	3.98	---	PASS
			30~1000	3.98	-60.89	≤ -16.02	PASS
			1000~26500	3.98	-47.24	≤ -16.02	PASS
		2480	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-61.06	≤ -16.98	PASS
			1000~26500	3.02	-47.37	≤ -16.98	PASS
2DH1	Ant1	2402	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-60.97	≤ -20.96	PASS
			1000~26500	-0.96	-47.55	≤ -20.96	PASS
		2441	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-60.37	≤ -20.01	PASS
			1000~26500	-0.01	-47.44	≤ -20.01	PASS
		2480	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-61.07	≤ -20.76	PASS
			1000~26500	-0.76	-48.31	≤ -20.76	PASS
3DH1	Ant1	2402	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.72	≤ -20.86	PASS
			1000~26500	-0.86	-47.4	≤ -20.86	PASS
		2441	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-60.33	≤ -20.09	PASS
			1000~26500	-0.09	-47.2	≤ -20.09	PASS
		2480	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.7	≤ -20.79	PASS
			1000~26500	-0.79	-47.53	≤ -20.79	PASS

Test Graphs

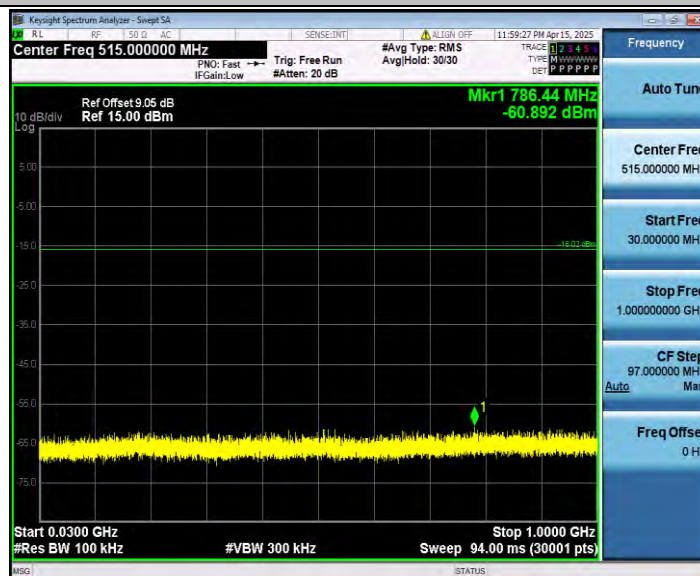




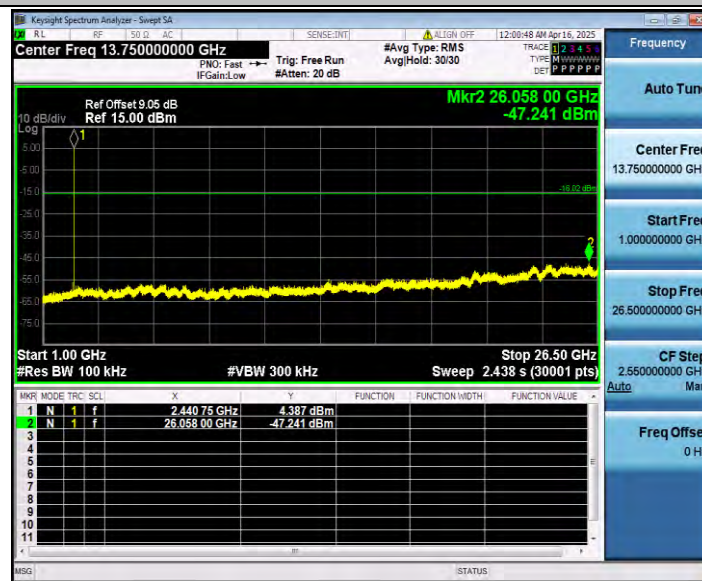
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



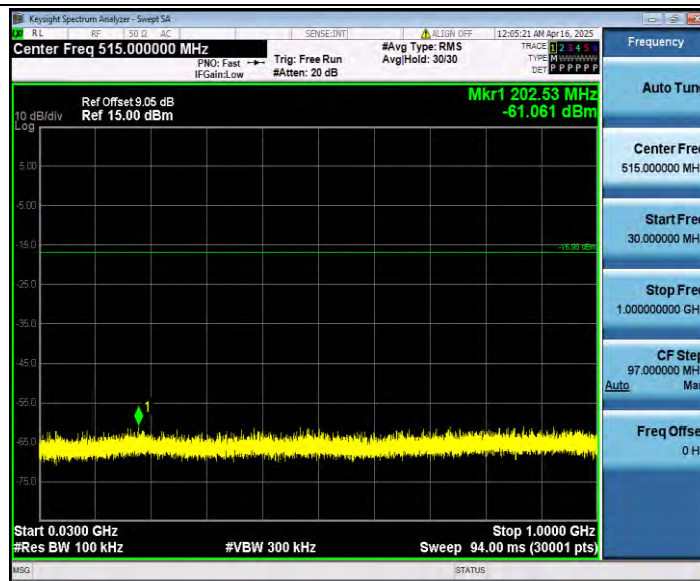
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

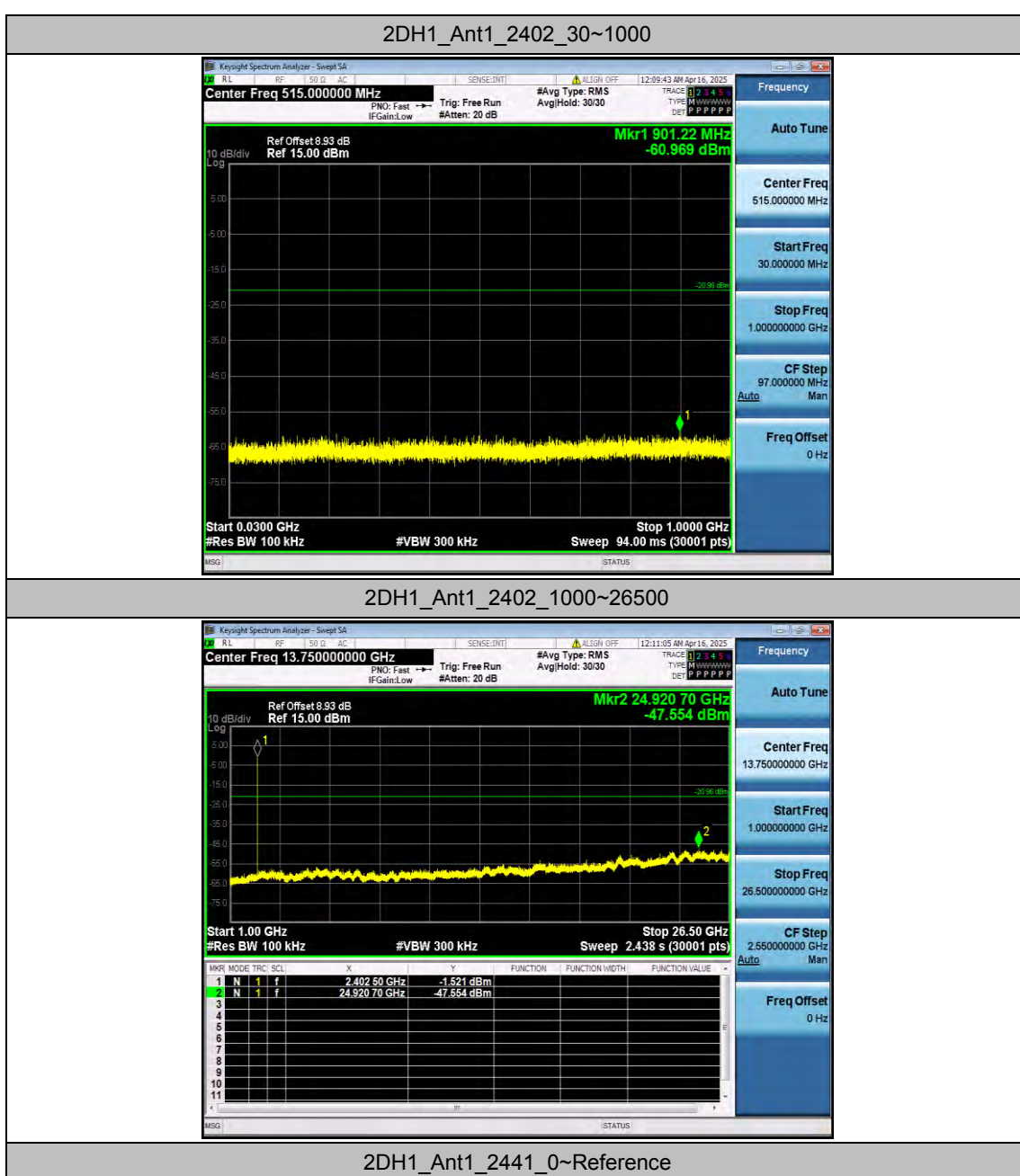


DH1_Ant1_2480_1000~26500



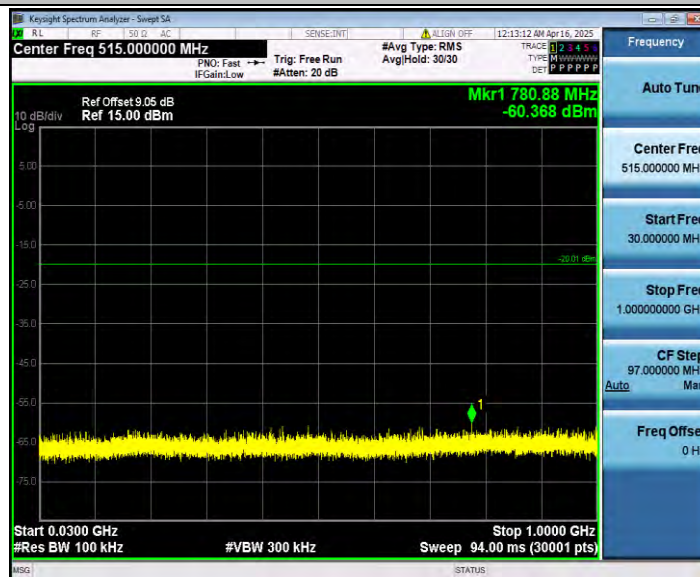
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



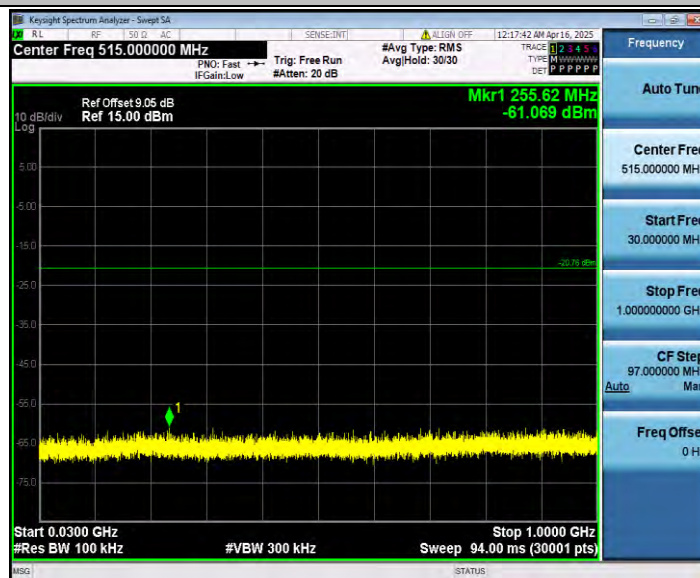
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



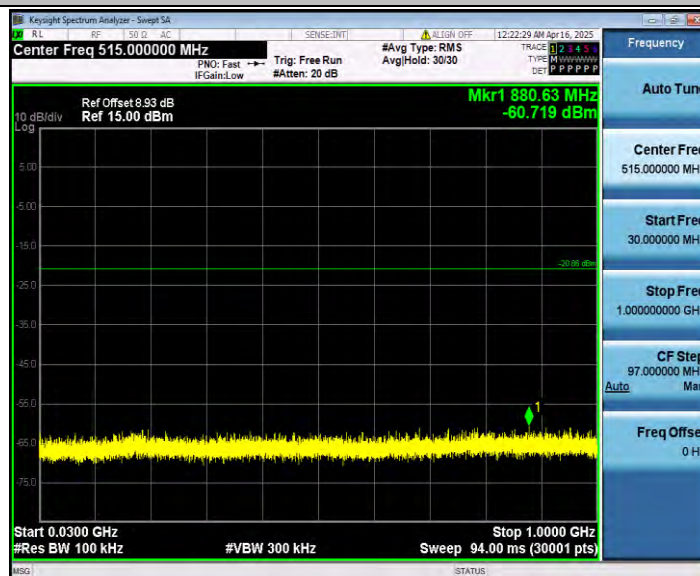
2DH1_Ant1_2480_1000~26500



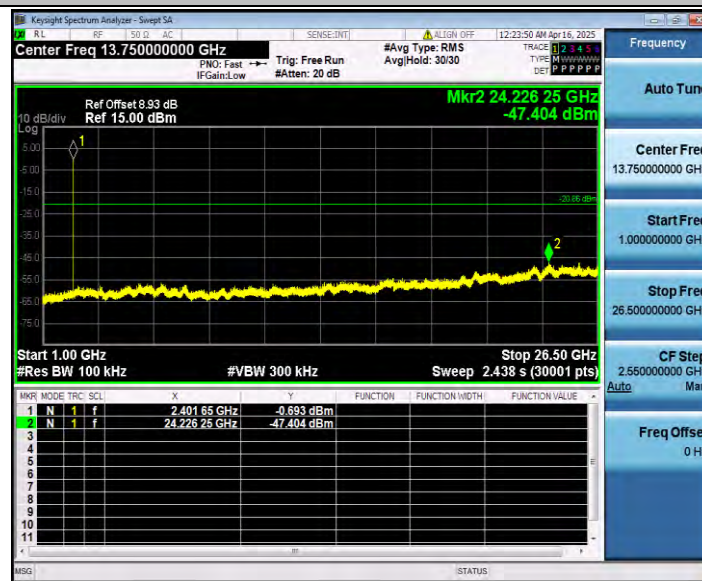
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



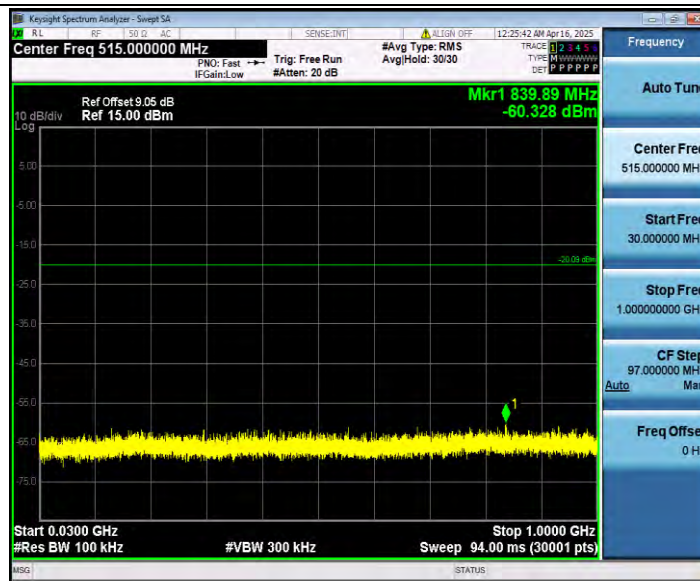
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



