

Case No. : <u>GTS20260617003-1-01</u>
Ambient Condition: <u>23</u> °C, <u>56</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.6.22-2026.7.20</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.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	2401.481	2402.516	---	---
		2441	1.035	2440.481	2441.516	---	---
		2480	1.035	2479.481	2480.516	---	---
2DH1	Ant1	2402	1.347	2401.316	2402.663	---	---
		2441	1.350	2440.313	2441.663	---	---
		2480	1.344	2479.316	2480.660	---	---
3DH1	Ant1	2402	1.296	2401.337	2402.633	---	---
		2441	1.296	2440.337	2441.633	---	---
		2480	1.296	2479.334	2480.630	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



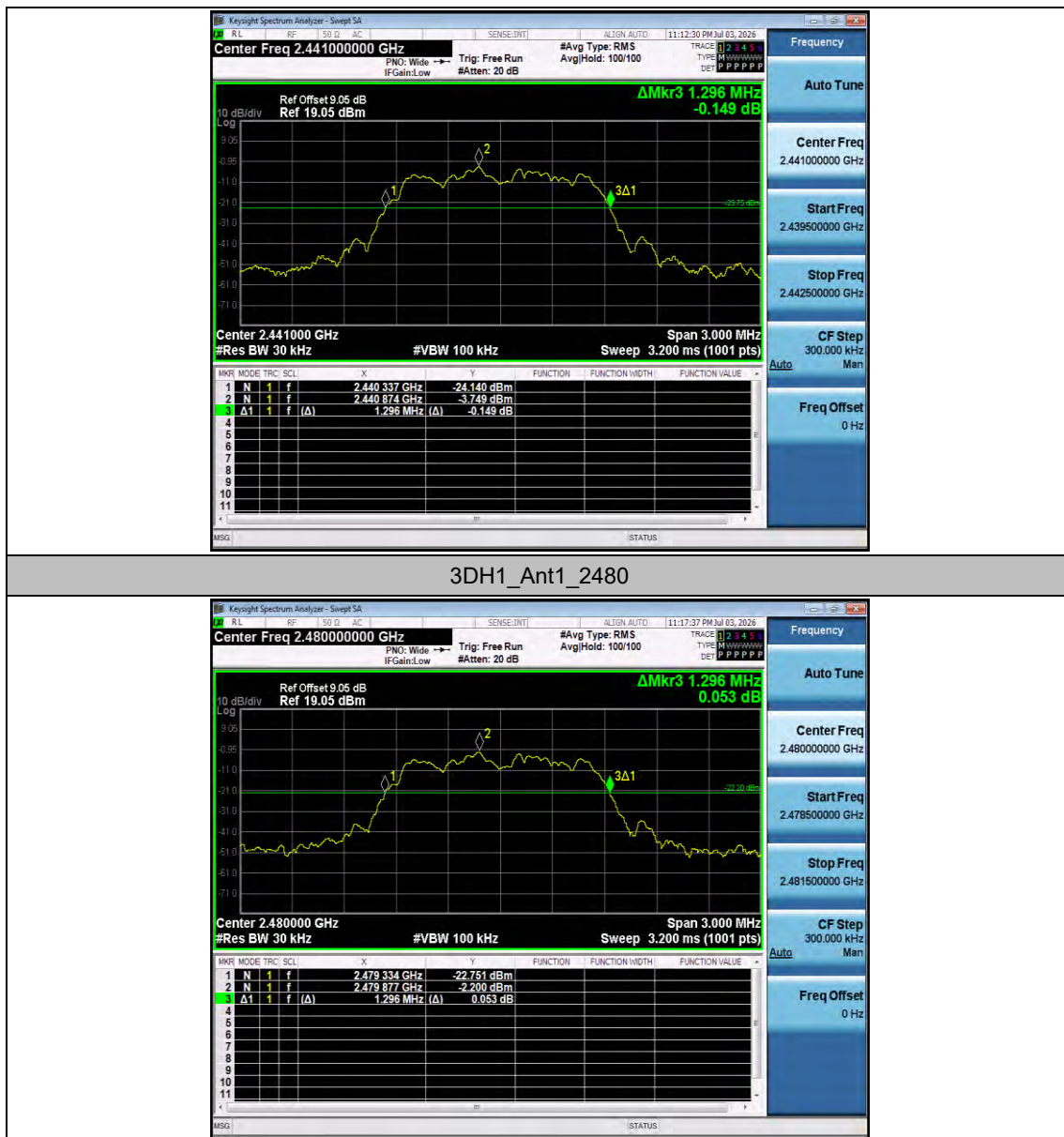
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.90571	2401.5265	2402.4323	---	---
		2441	0.90791	2440.5240	2441.4319	---	---
		2480	0.90691	2479.5246	2480.4315	---	---
2DH1	Ant1	2402	1.1792	2401.3980	2402.5772	---	---
		2441	1.1804	2440.3965	2441.5769	---	---
		2480	1.1809	2479.3959	2480.5768	---	---
3DH1	Ant1	2402	1.1628	2401.4152	2402.5780	---	---
		2441	1.1634	2440.4127	2441.5761	---	---
		2480	1.1640	2479.4105	2480.5745	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



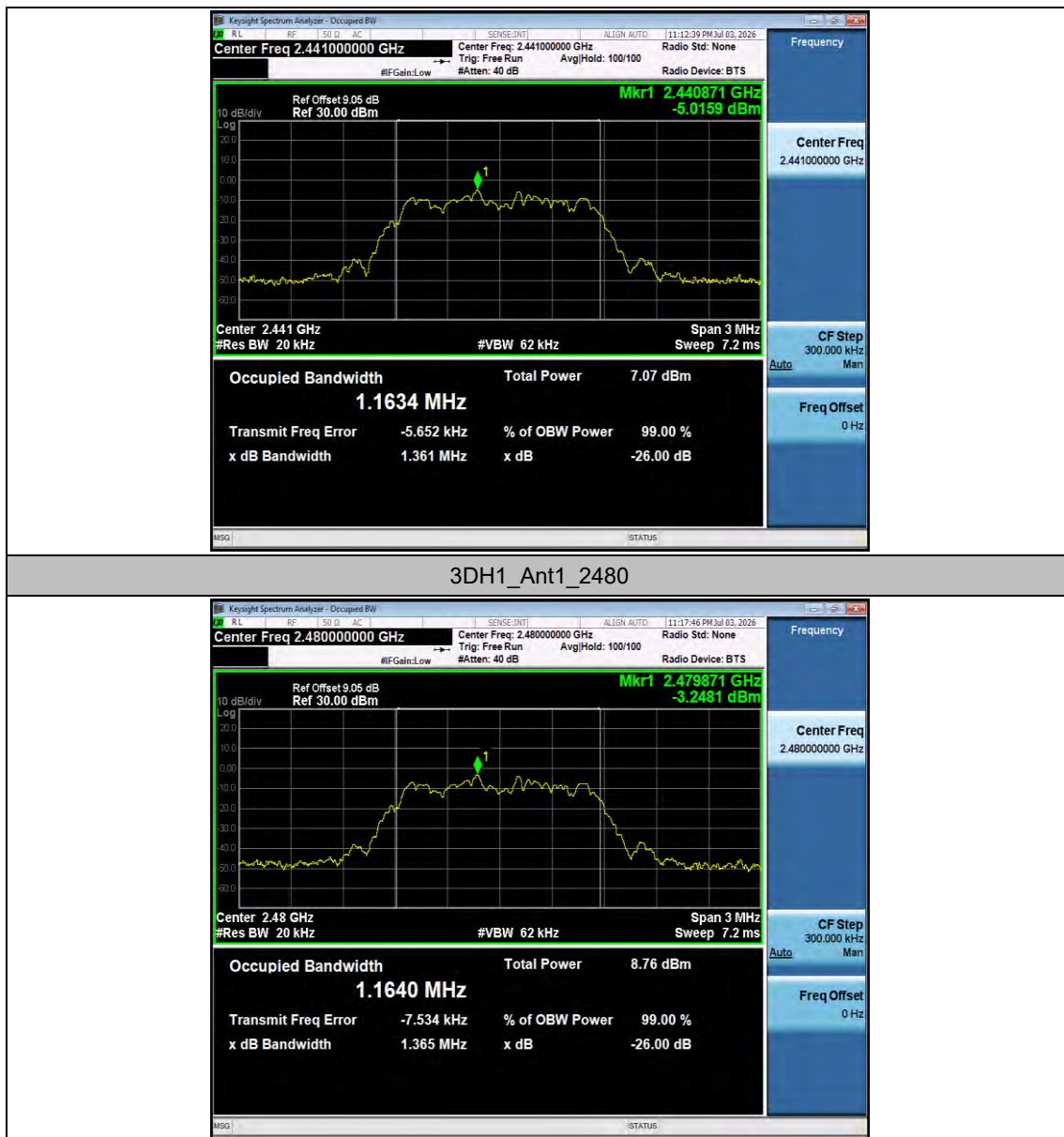
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



AppendixA.3: Maximum conducted output power

Test Result Peak

DC 11.4V by battery

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	5.73	≤20.97	PASS
		2441	6.42	≤20.97	PASS
		2480	7.66	≤20.97	PASS
2DH1	Ant1	2402	6.75	≤20.97	PASS
		2441	6.51	≤20.97	PASS
		2480	7.79	≤20.97	PASS
3DH1	Ant1	2402	5.80	≤20.97	PASS
		2441	6.40	≤20.97	PASS
		2480	7.86	≤20.97	PASS

DC 7.6V by battery

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	5.11	≤20.97	PASS
		2441	5.98	≤20.97	PASS
		2480	6.96	≤20.97	PASS
2DH1	Ant1	2402	6.23	≤20.97	PASS
		2441	6.02	≤20.97	PASS
		2480	7.24	≤20.97	PASS
3DH1	Ant1	2402	5.25	≤20.97	PASS
		2441	6.19	≤20.97	PASS
		2480	7.32	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.996	≥0.690	PASS
		Hop_2441	1.004	≥0.690	PASS
		Hop_2480	0.776	≥0.690	PASS
2DH1	Ant1	Hop_2402	1	≥0.900	PASS
		Hop_2441	1.008	≥0.900	PASS
		Hop_2480	1.004	≥0.900	PASS
3DH1	Ant1	Hop_2402	1.006	≥0.864	PASS
		Hop_2441	0.996	≥0.864	PASS
		Hop_2480	1	≥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

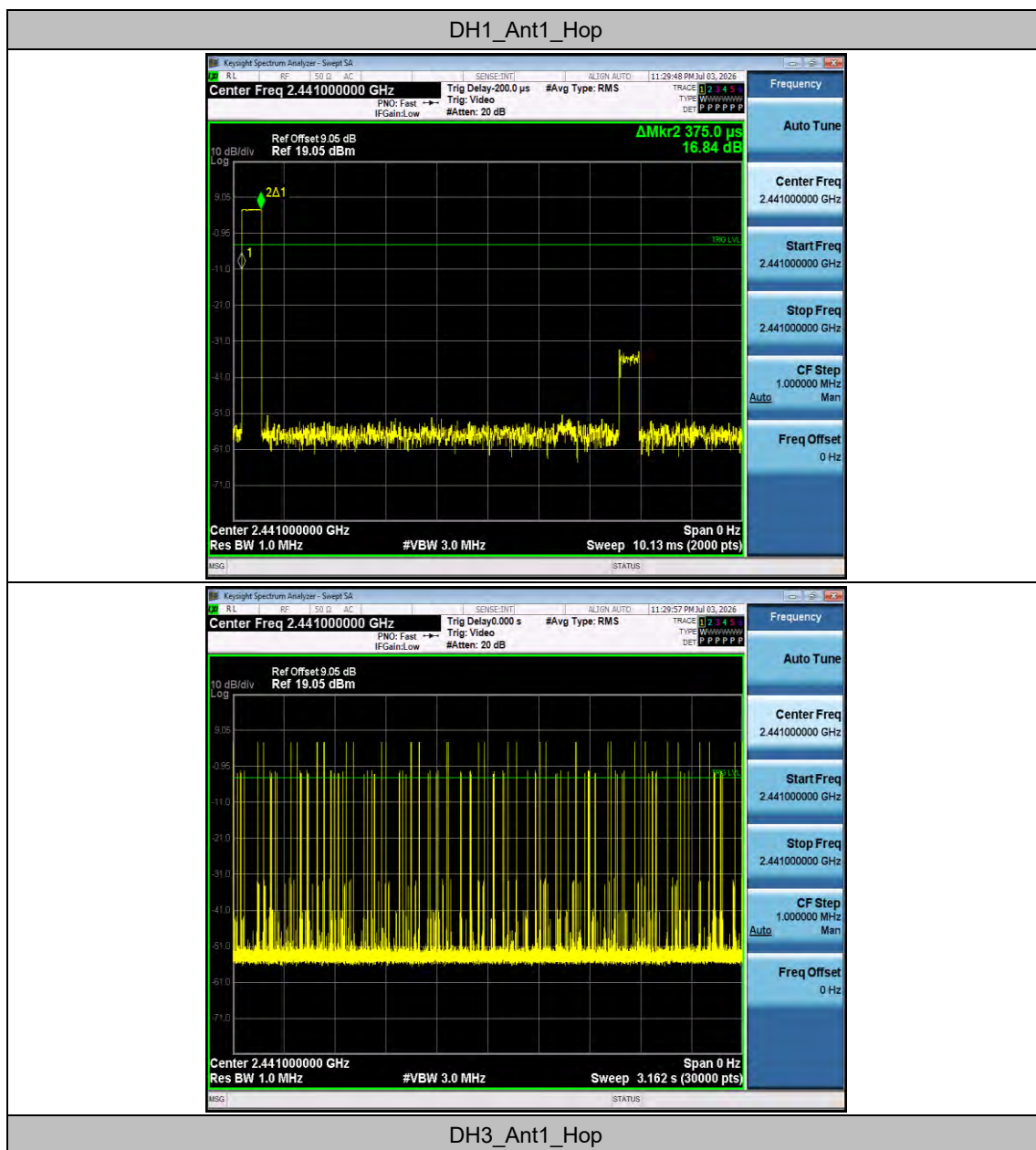


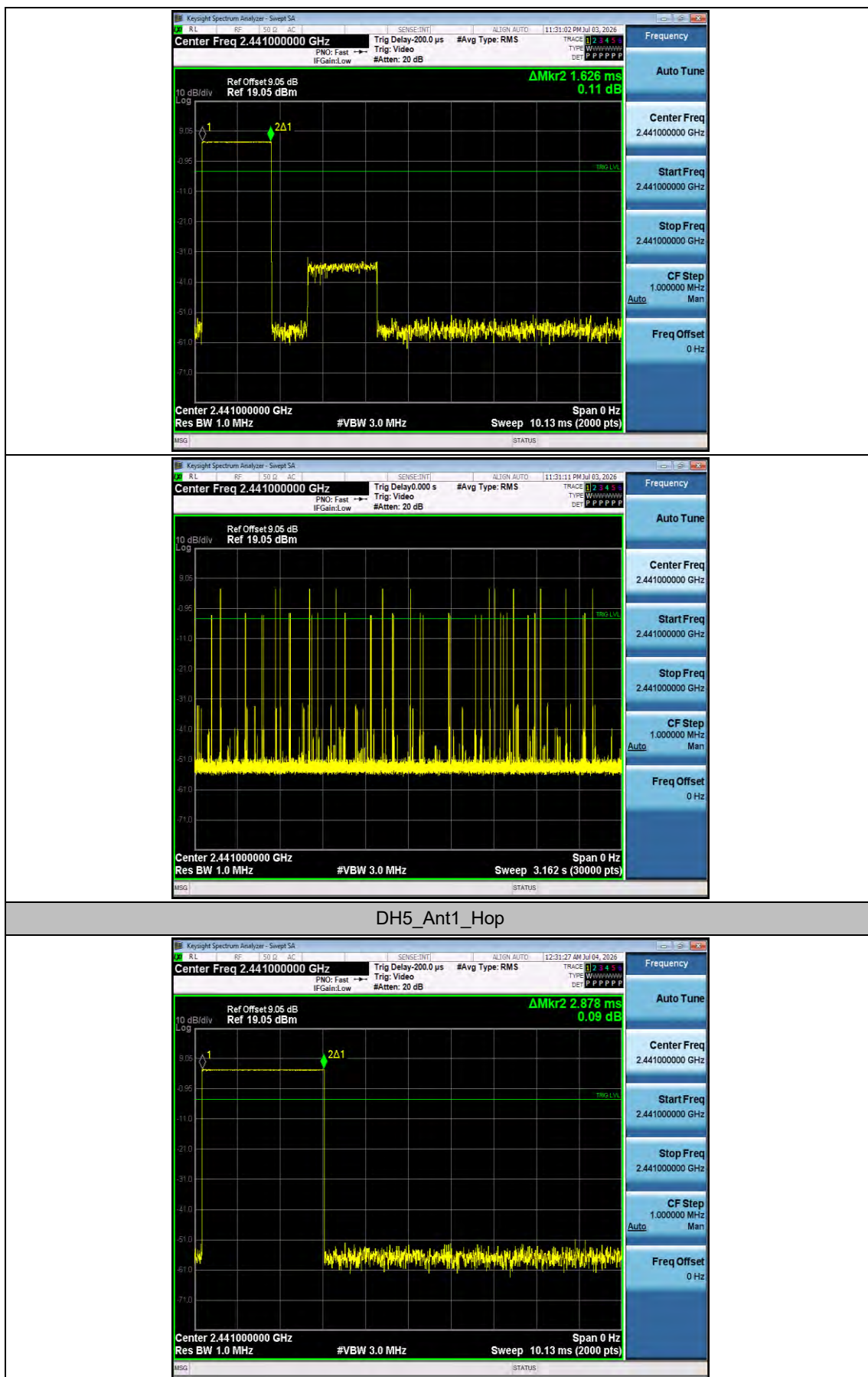
AppendixA.5: Time of occupancy

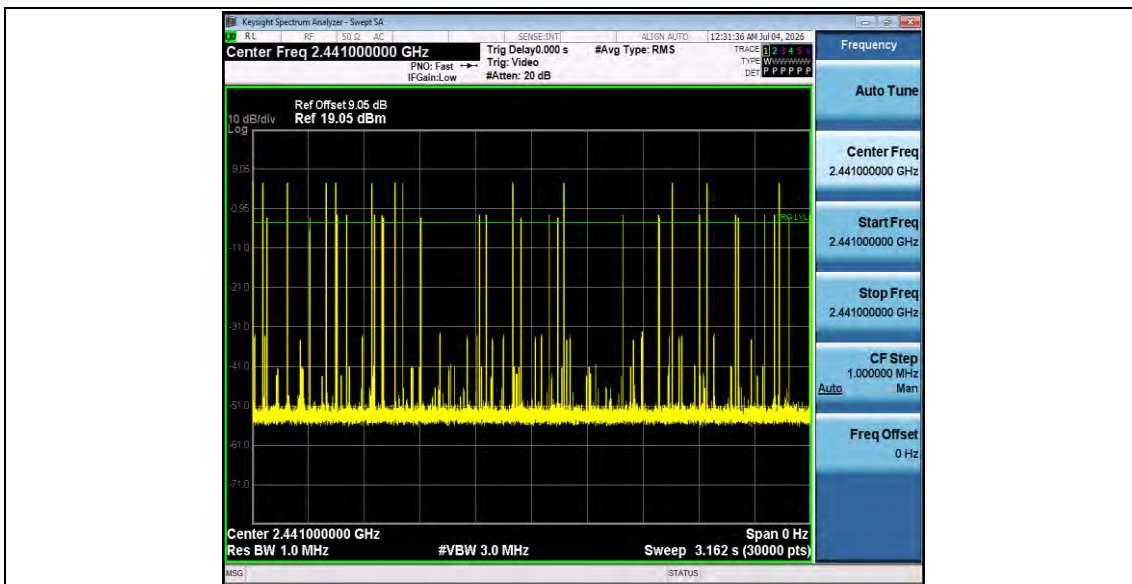
Test Result

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	140	0.228	≤0.4	PASS
DH5	Ant1	Hop	2.878	130	0.374	≤0.4	PASS
2DH1	Ant1	Hop	0.380	340	0.129	≤0.4	PASS
2DH3	Ant1	Hop	1.637	190	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.878	80	0.23	≤0.4	PASS
3DH1	Ant1	Hop	0.380	330	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.631	200	0.326	≤0.4	PASS
3DH5	Ant1	Hop	2.883	110	0.317	≤0.4	PASS

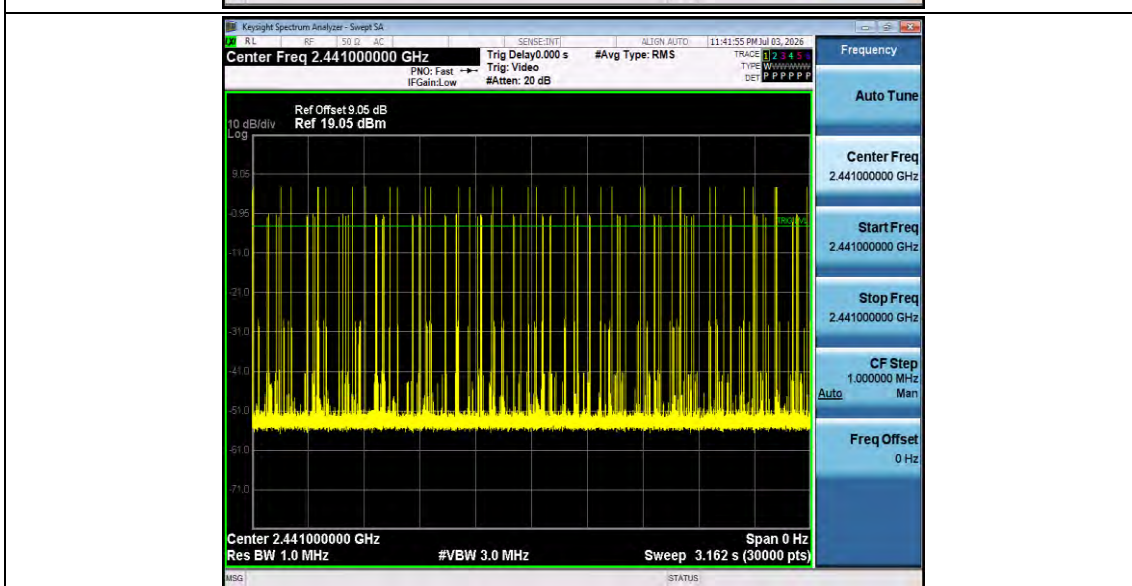
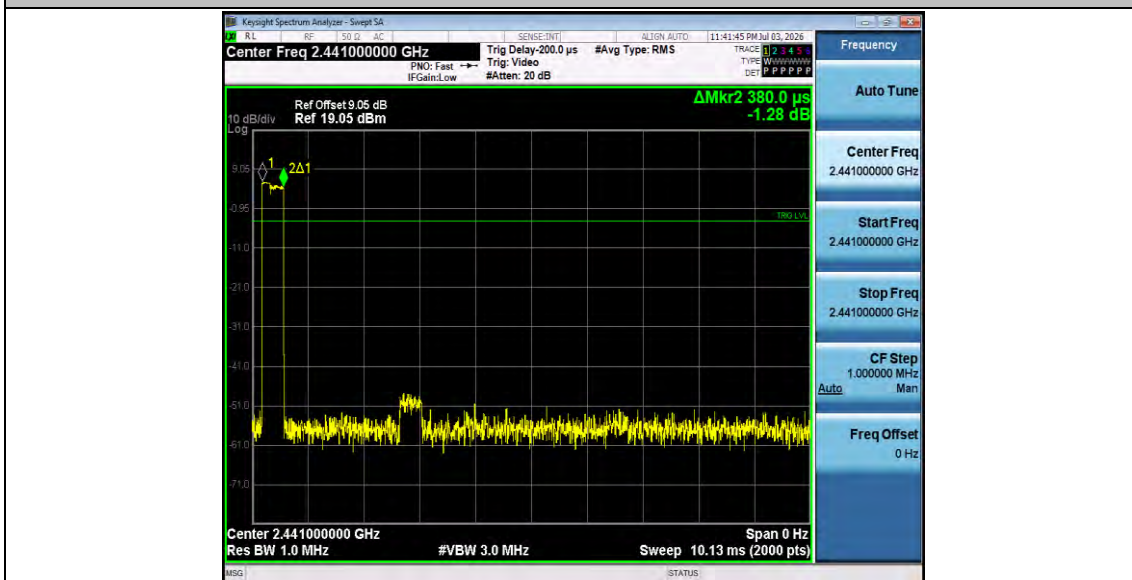
Test Graphs



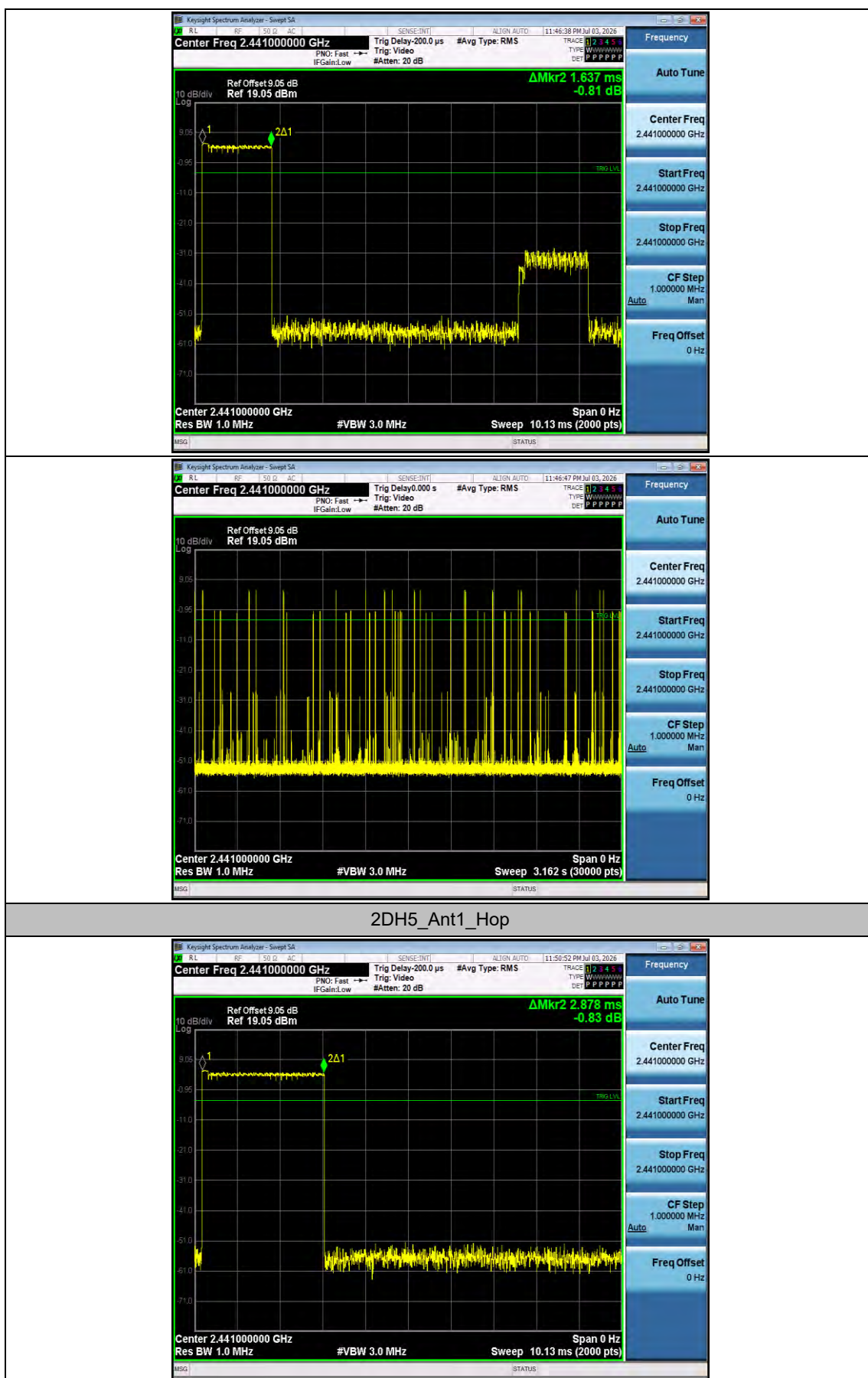


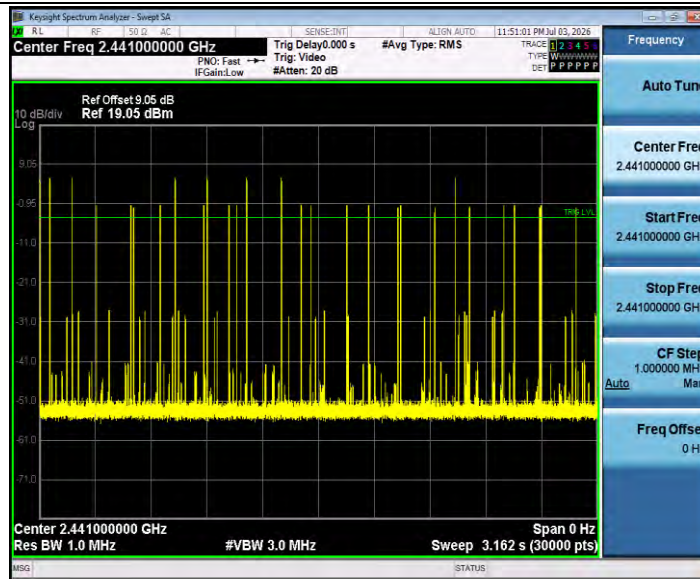


2DH1_Ant1_Hop

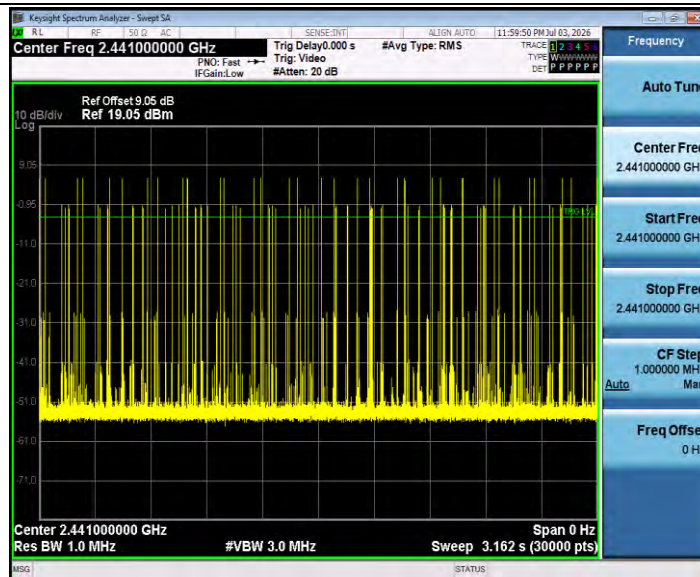
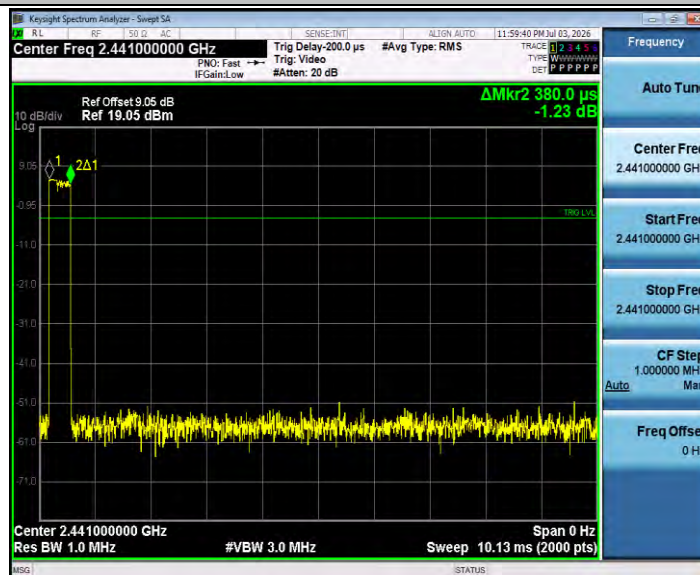


2DH3_Ant1_Hop

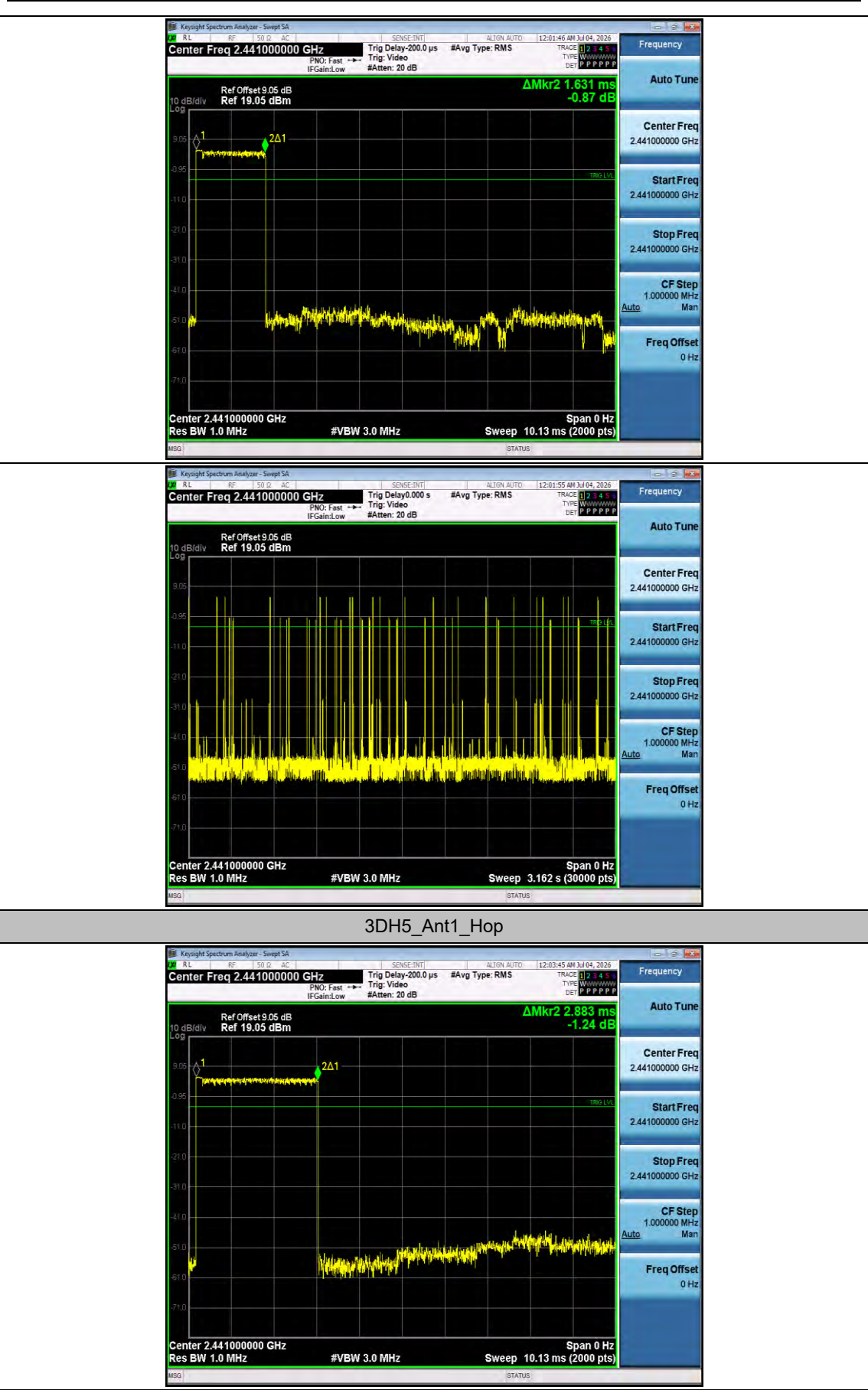




3DH1_Ant1_Hop



3DH3_Ant1_Hop

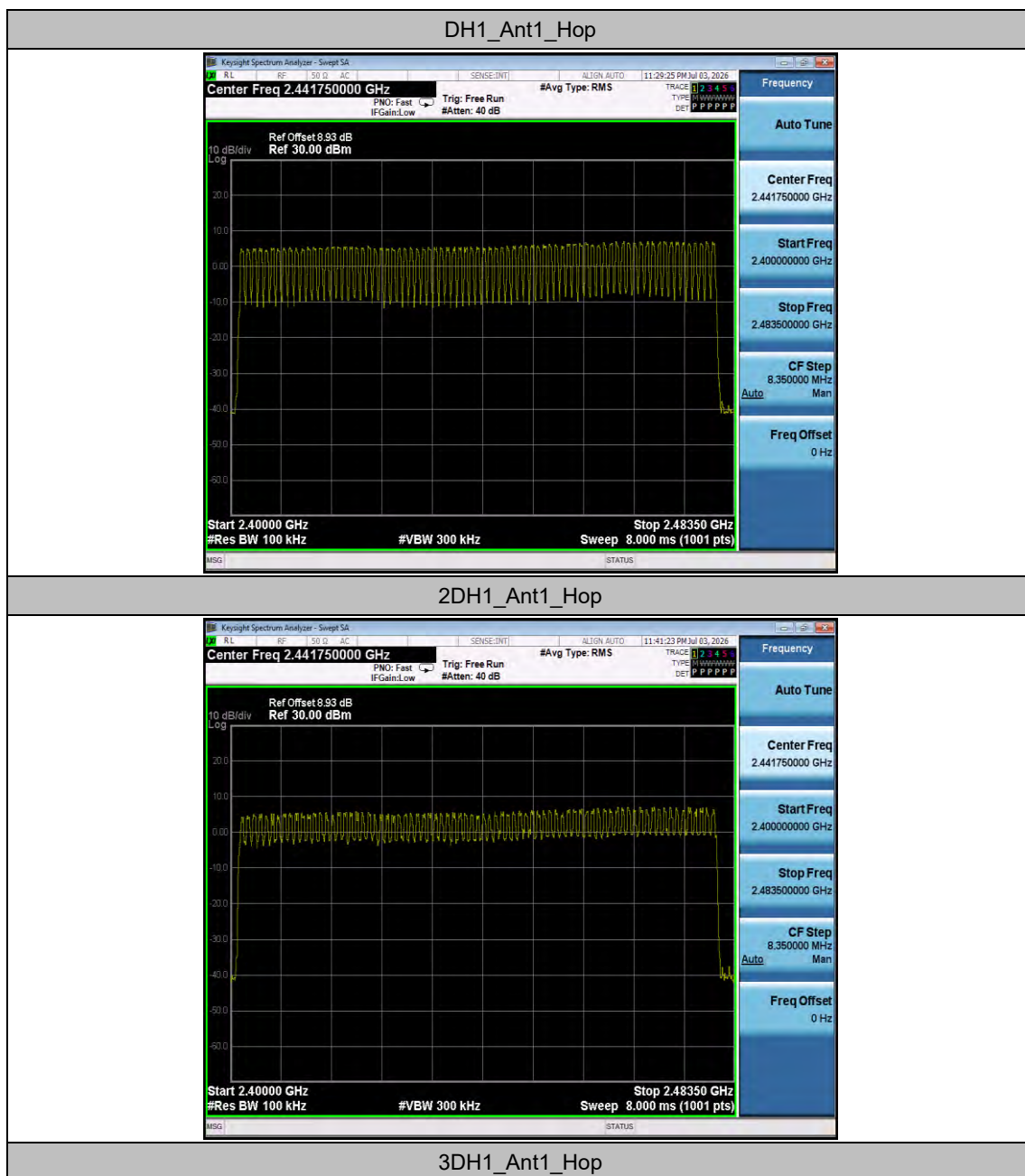


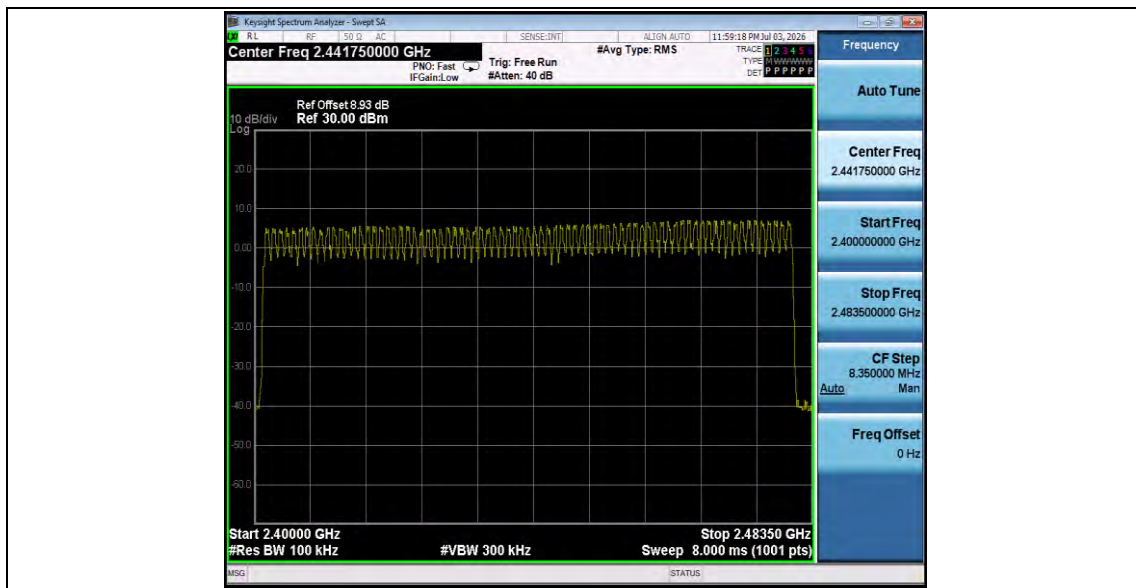


AppendixA.6: Number of hopping channels**Test Result**

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





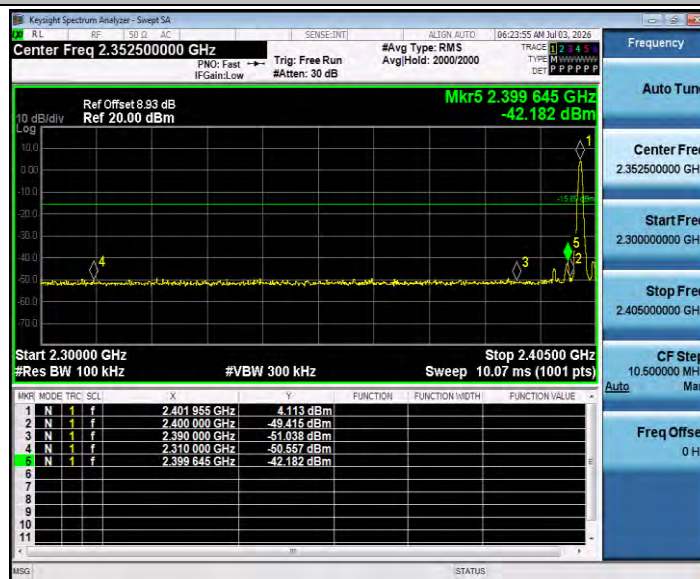
Appendix A.7: Band edge measurements

Test Result

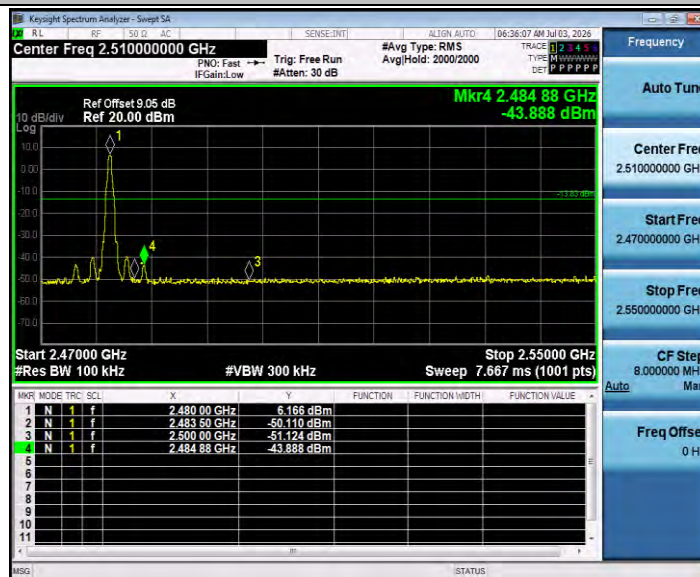
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.11	-42.18	≤ -15.89	PASS
		High	2480	6.17	-43.89	≤ -13.83	PASS
		Low	Hop_2402	4.83	-42.97	≤ -15.18	PASS
		High	Hop_2480	6.82	-44.51	≤ -13.19	PASS
2DH1	Ant1	Low	2402	-0.20	-45.12	≤ -20.2	PASS
		High	2480	1.91	-46.51	≤ -18.09	PASS
		Low	Hop_2402	4.52	-45.39	≤ -15.48	PASS
		High	Hop_2480	6.30	-46.62	≤ -13.71	PASS
3DH1	Ant1	Low	2402	-0.09	-45.2	≤ -20.09	PASS
		High	2480	2.14	-46.77	≤ -17.86	PASS
		Low	Hop_2402	4.92	-44.71	≤ -15.08	PASS
		High	Hop_2480	6.67	-44.57	≤ -13.33	PASS

Test Graphs

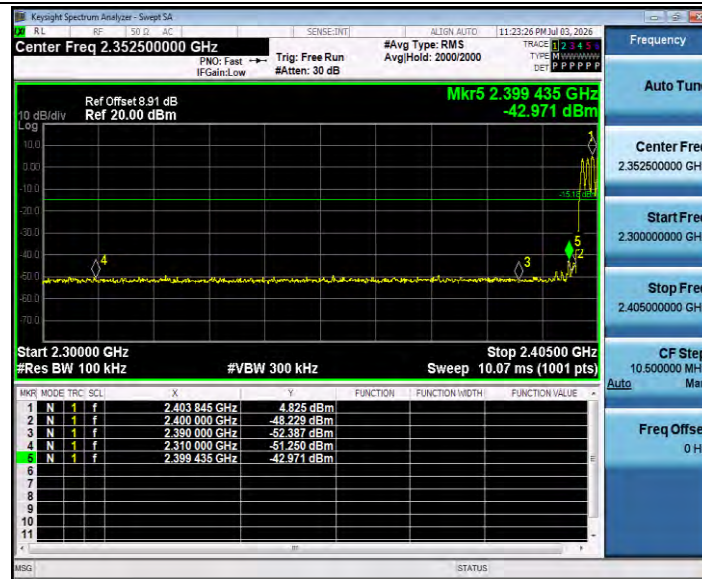
DH1_Ant1_Low_2402



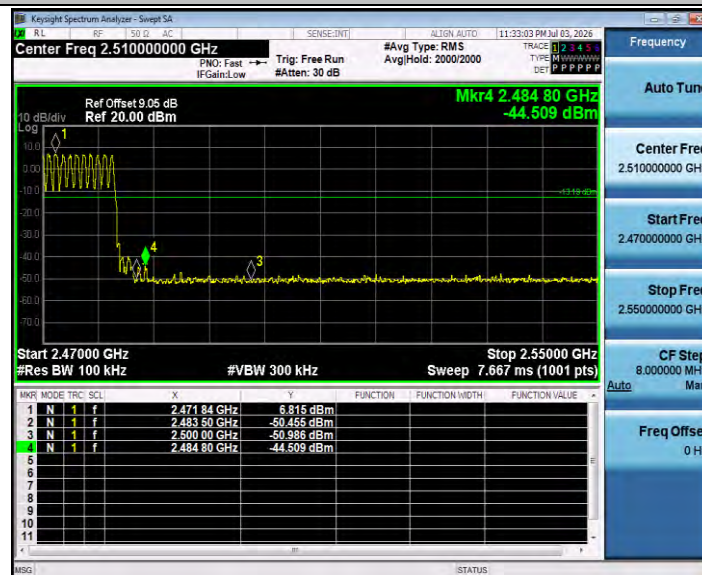
DH1_Ant1_High_2480



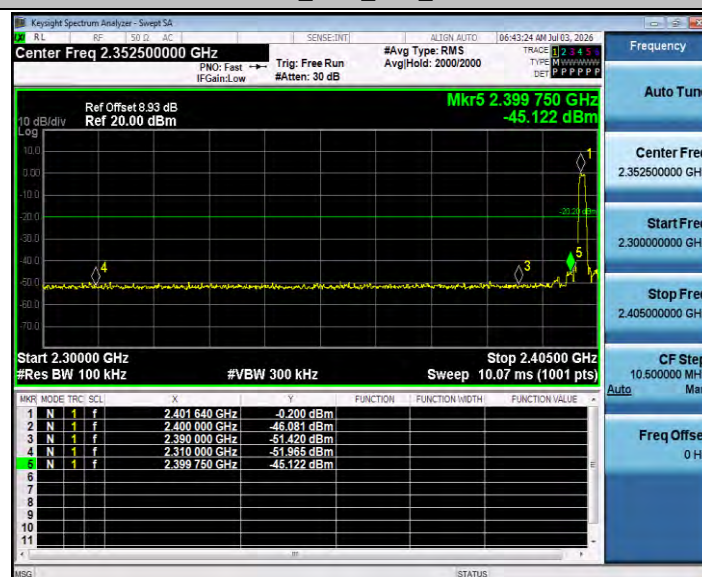
DH1_Ant1_Low_Hop_2402



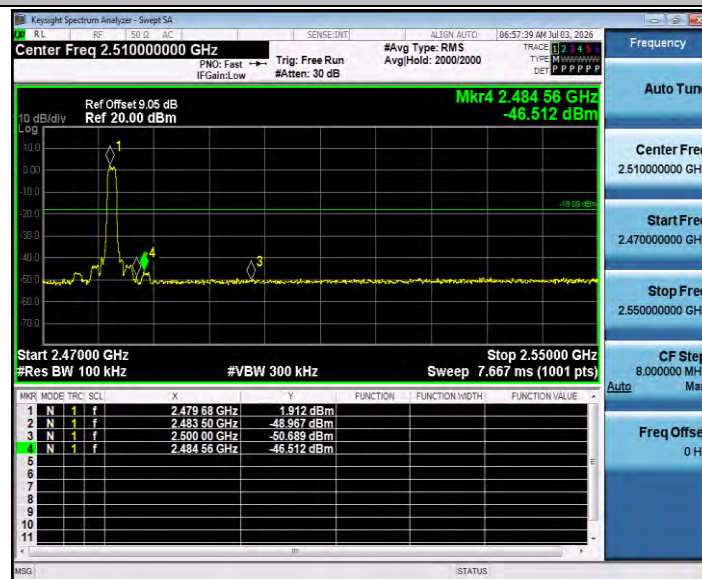
DH1_Ant1_High_Hop_2480



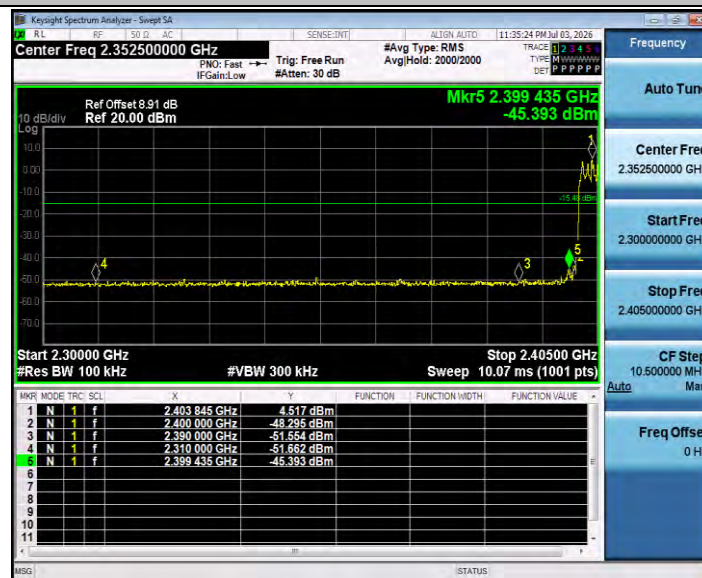
2DH1_Ant1_Low_2402



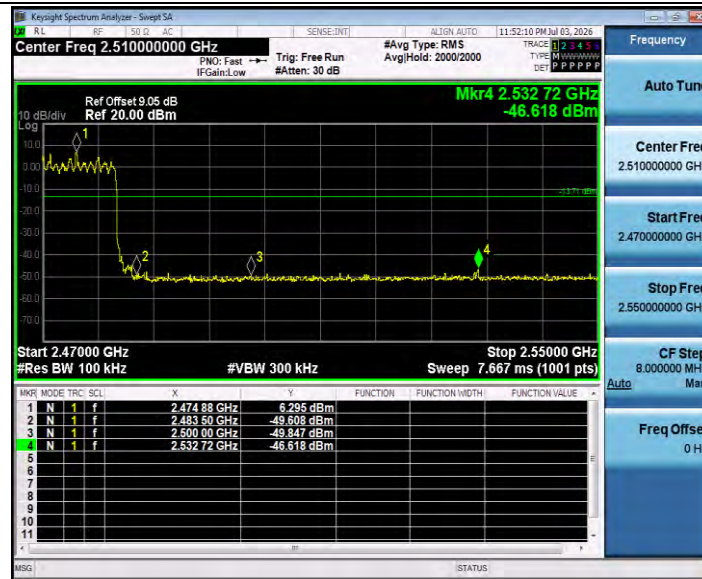
2DH1_Ant1_High_2480



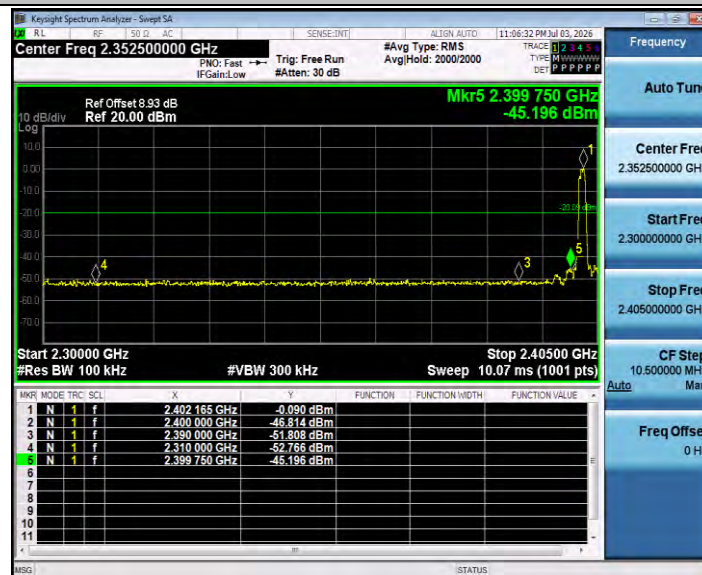
2DH1_Ant1_Low_Hop_2402



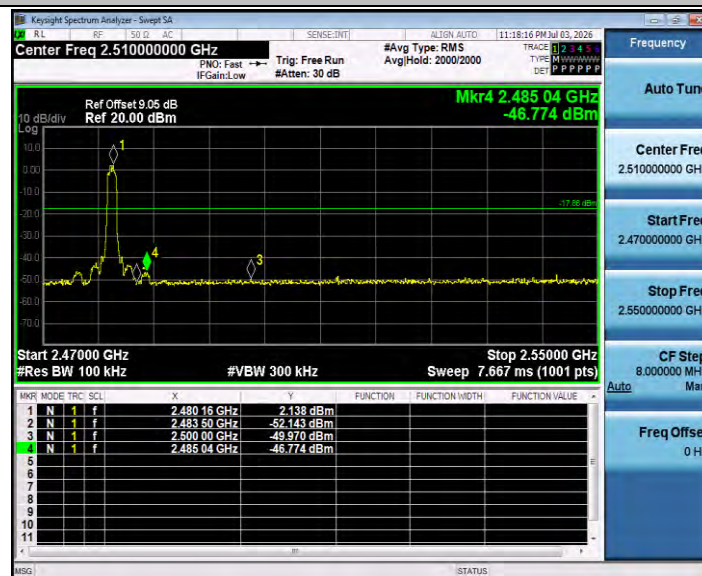
2DH1_Ant1_High_Hop_2480



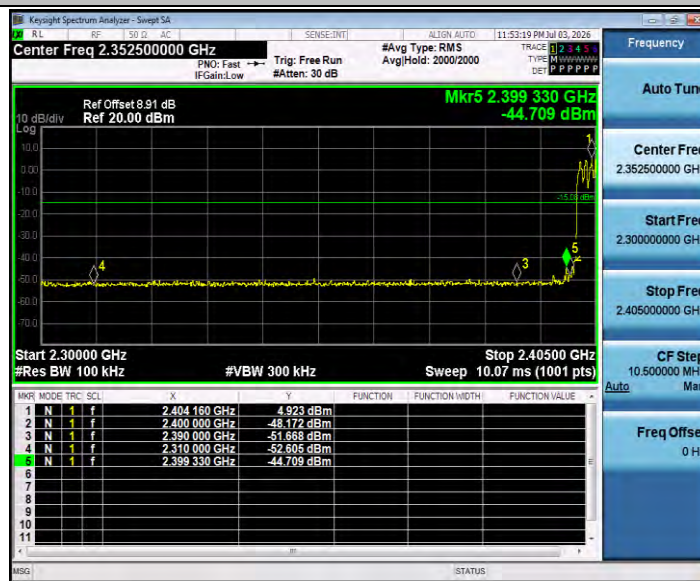
3DH1_Ant1_Low_2402



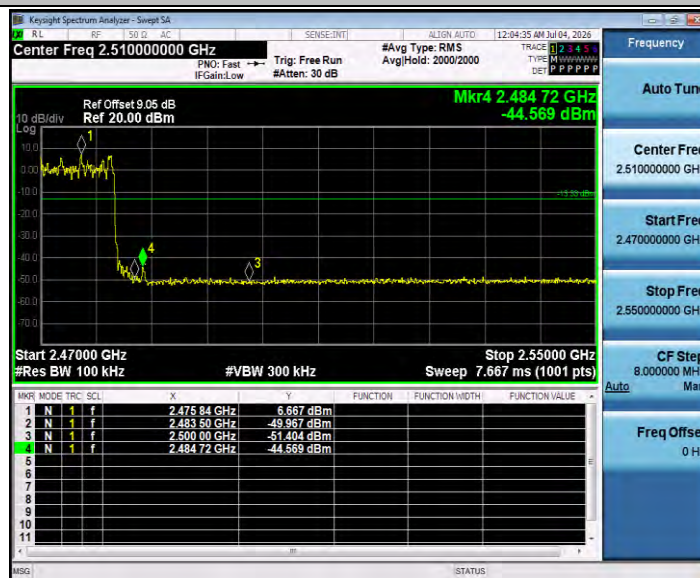
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

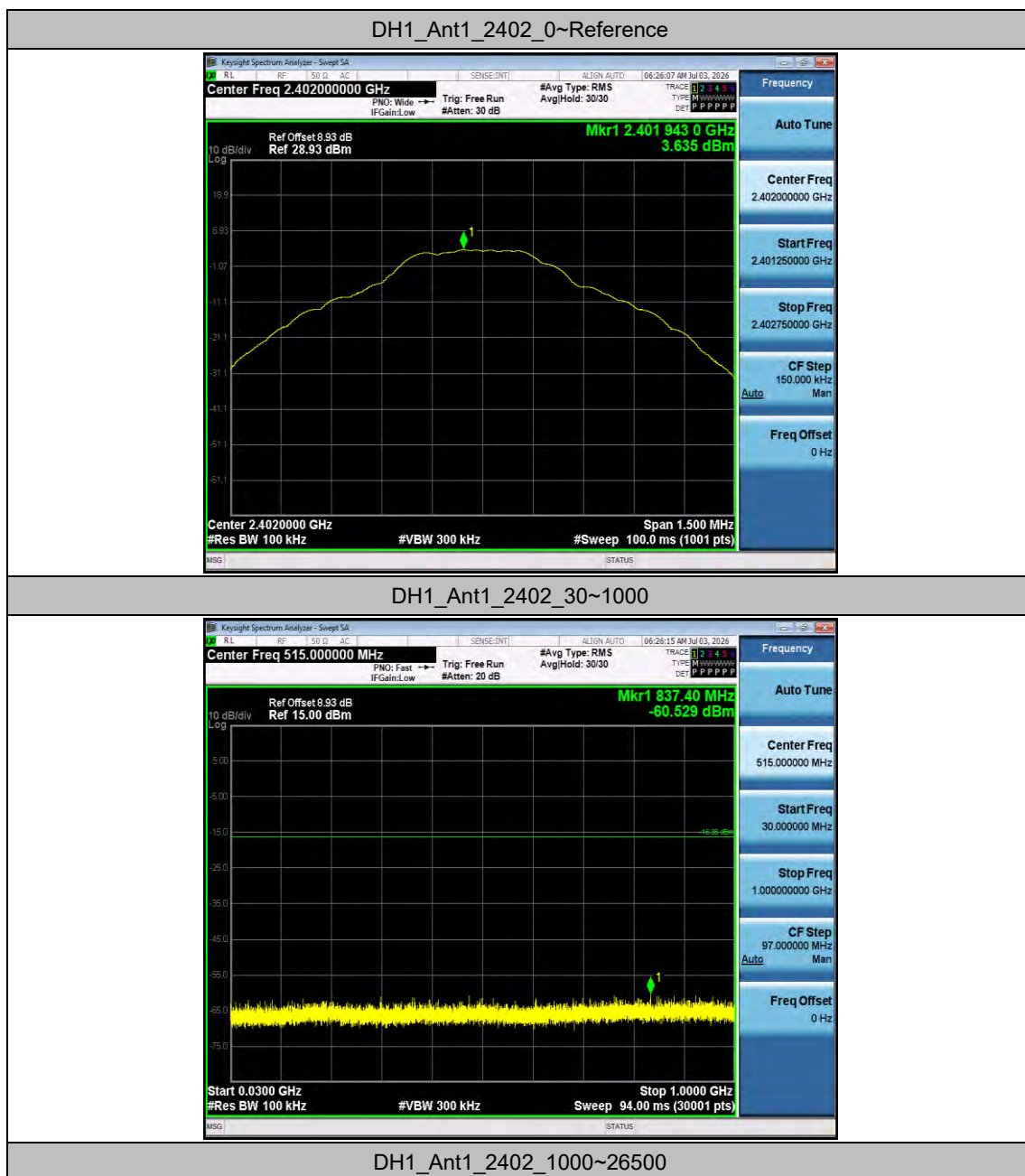


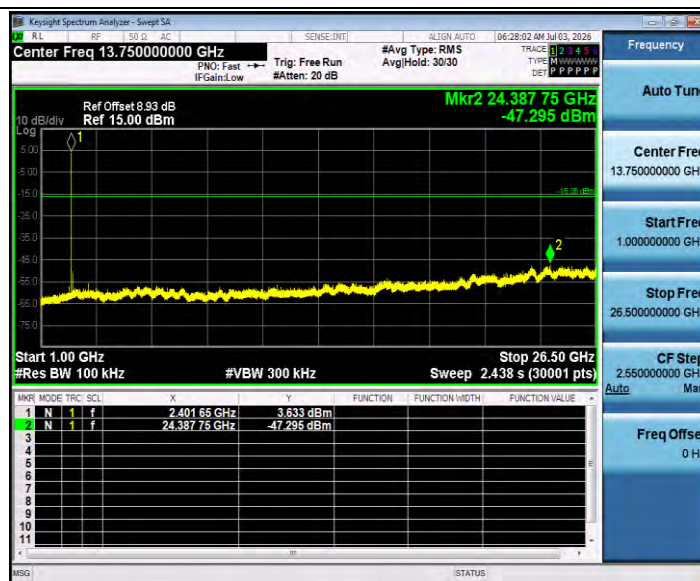
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.53	≤-16.36	PASS
			1000~26500	3.64	-47.3	≤-16.36	PASS
		2441	Reference	4.36	4.36	---	PASS
			30~1000	4.36	-59.96	≤-15.64	PASS
			1000~26500	4.36	-47.13	≤-15.64	PASS
		2480	Reference	5.68	5.68	---	PASS
			30~1000	5.68	-60.88	≤-14.32	PASS
			1000~26500	5.68	-46.83	≤-14.32	PASS
2DH1	Ant1	2402	Reference	-0.41	-0.41	---	PASS
			30~1000	-0.41	-60.52	≤-20.41	PASS
			1000~26500	-0.41	-47.76	≤-20.41	PASS
		2441	Reference	0.35	0.35	---	PASS
			30~1000	0.35	-60.48	≤-19.65	PASS
			1000~26500	0.35	-47.65	≤-19.65	PASS
		2480	Reference	1.74	1.74	---	PASS
			30~1000	1.74	-60.95	≤-18.26	PASS
			1000~26500	1.74	-46.98	≤-18.26	PASS
3DH1	Ant1	2402	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-61.36	≤-20.66	PASS
			1000~26500	-0.66	-47.64	≤-20.66	PASS
		2441	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-61.14	≤-20.04	PASS
			1000~26500	-0.04	-48.8	≤-20.04	PASS
		2480	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-60.58	≤-18.33	PASS
			1000~26500	1.67	-47.95	≤-18.33	PASS

Test Graphs

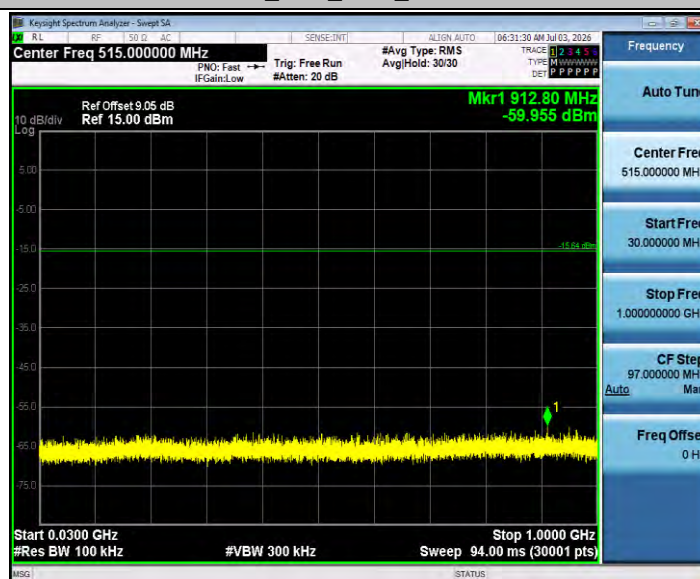




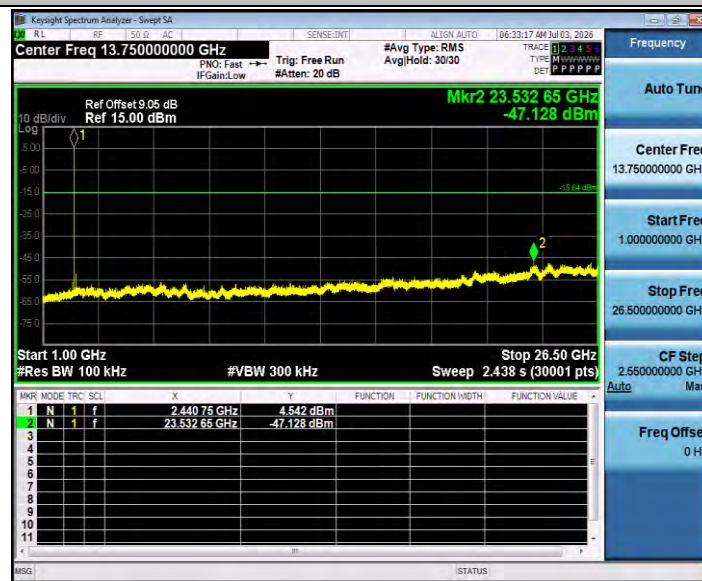
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



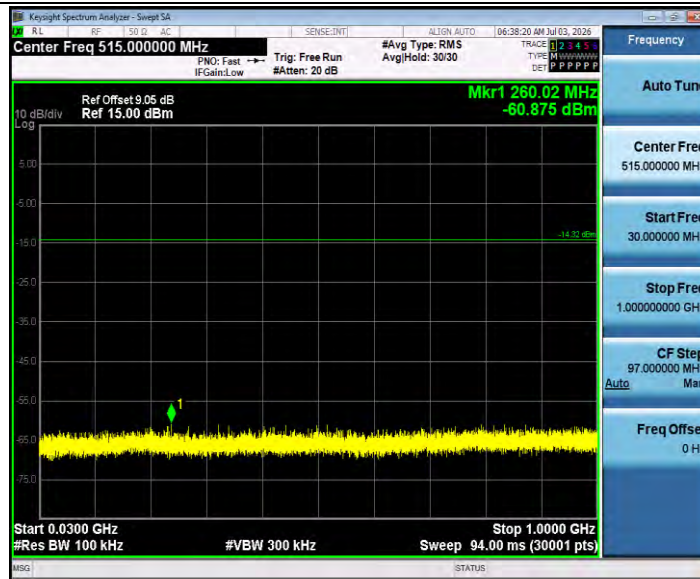
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

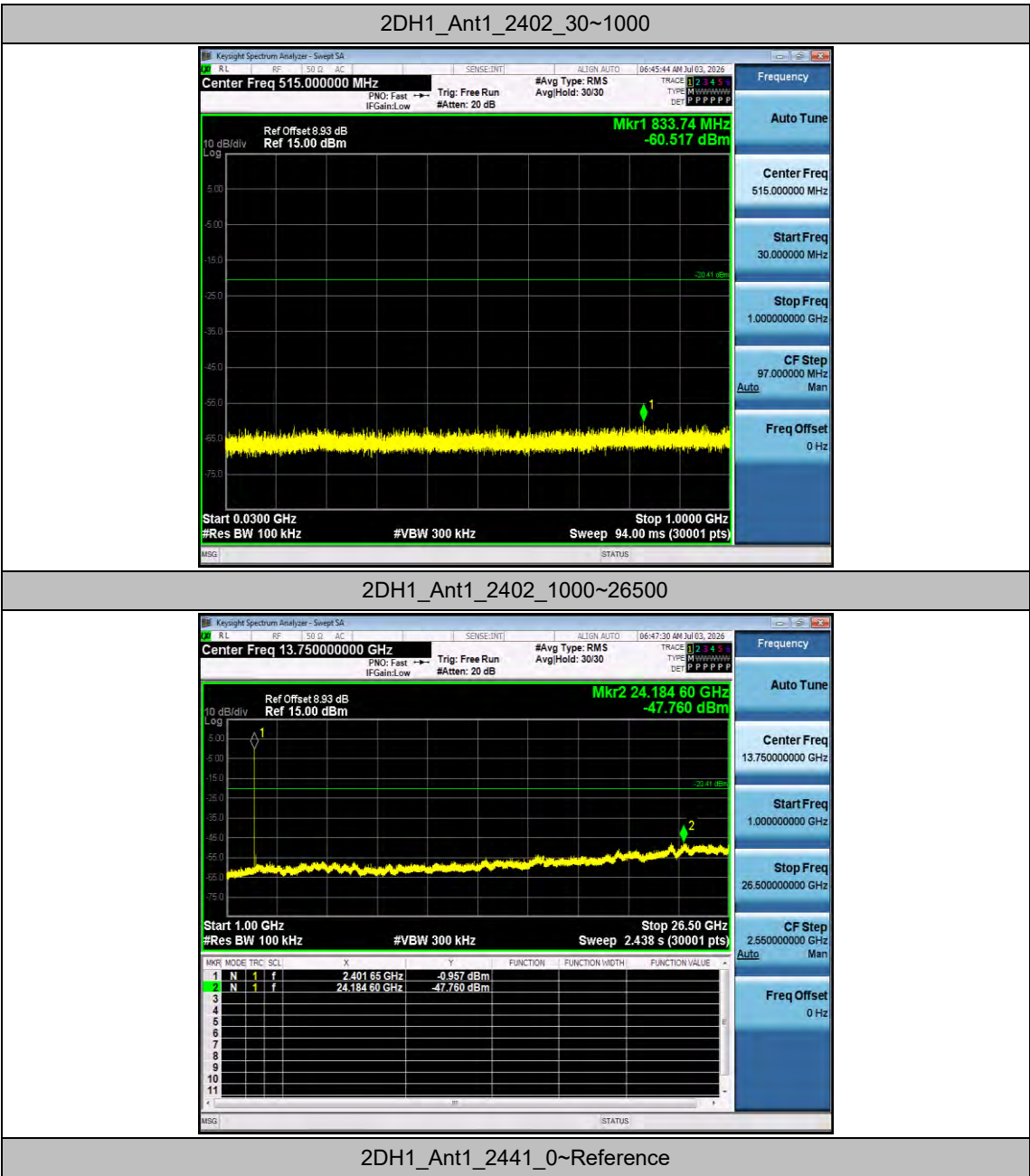


DH1_Ant1_2480_1000~26500



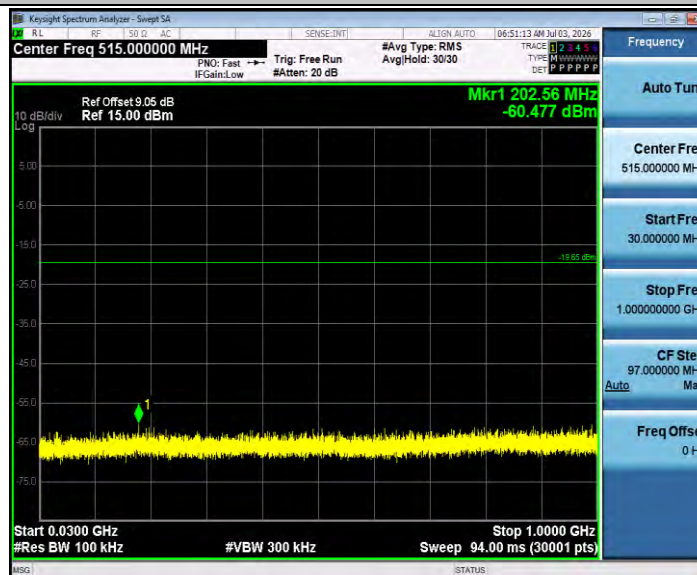
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



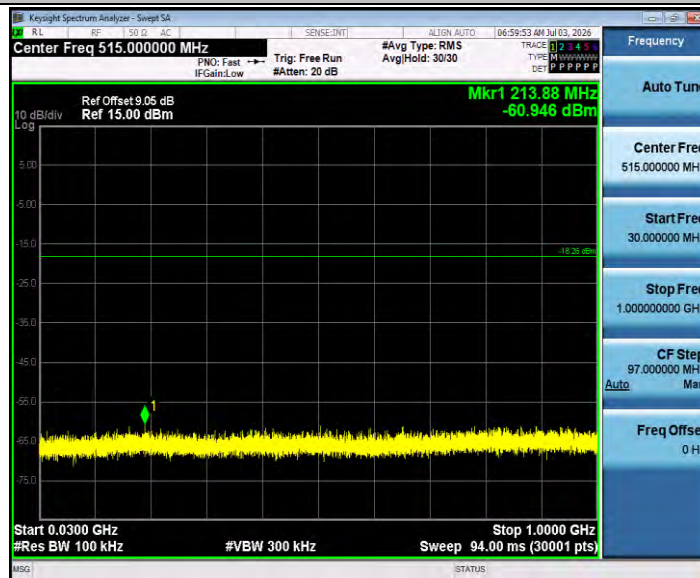
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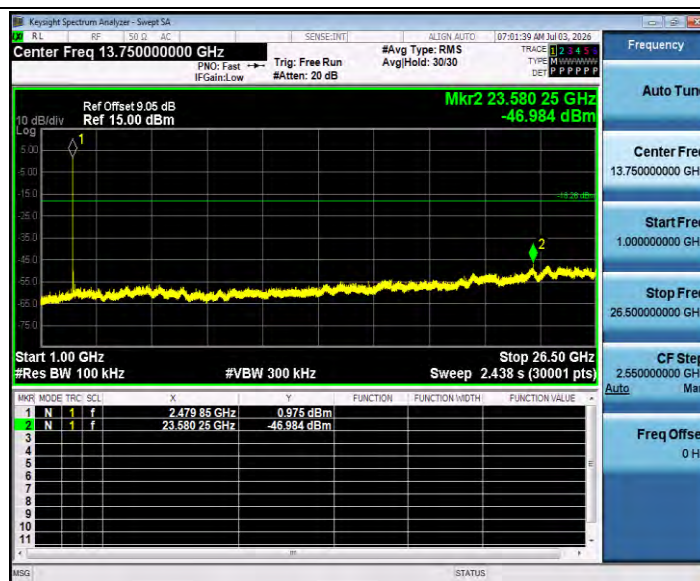
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



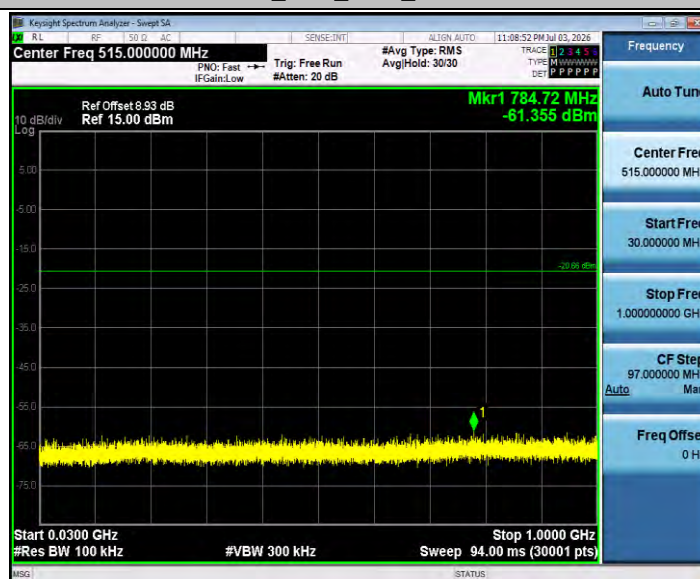
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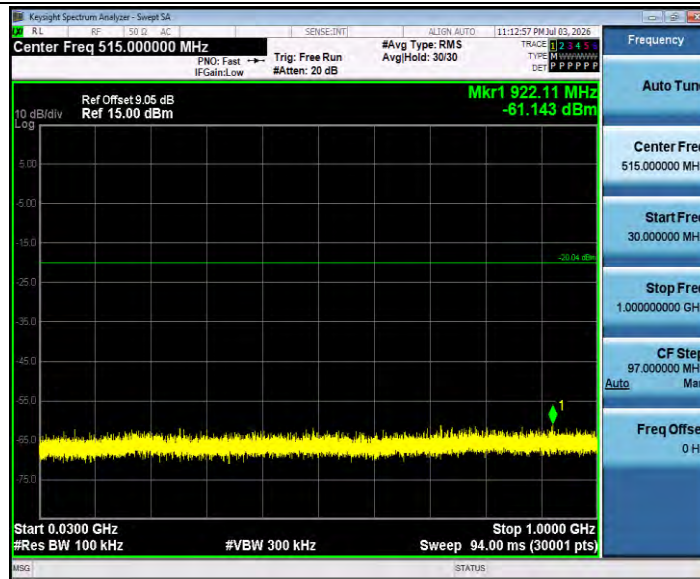
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000







3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



