

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: All-In-One laptop

Test Model: A7_N6

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

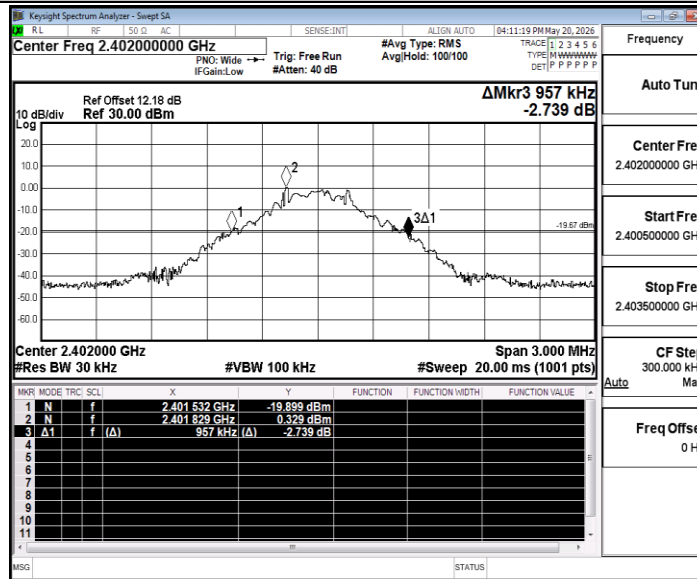
A.1 20dB Emission Bandwidth

Test Result

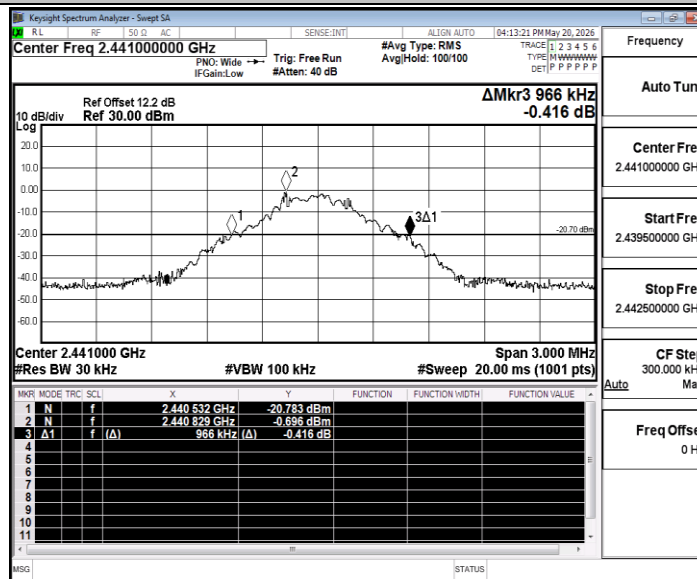
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.532	2402.489	---	---
		2441	0.966	2440.532	2441.498	---	---
		2480	0.945	2479.529	2480.474	---	---
2DH5	Ant1	2402	1.287	2401.358	2402.645	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.317	2479.334	2480.651	---	---
3DH5	Ant1	2402	1.299	2401.343	2402.642	---	---
		2441	1.299	2440.343	2441.642	---	---
		2480	1.302	2479.340	2480.642	---	---

Test Graphs

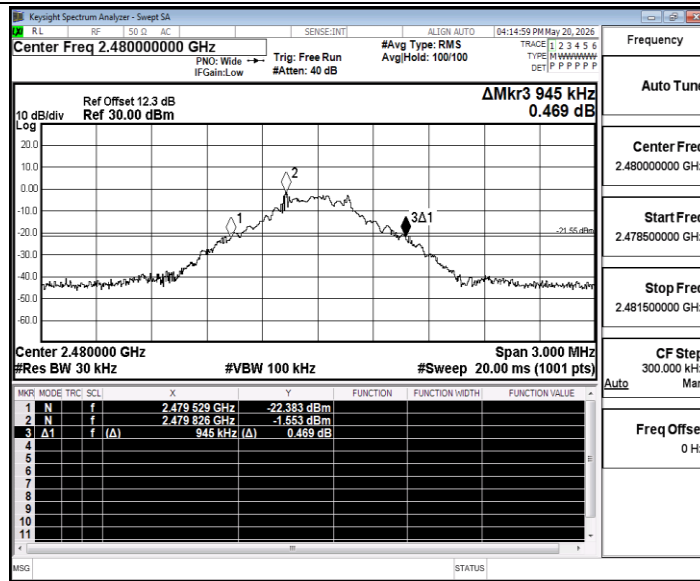
DH5_Ant1_2402



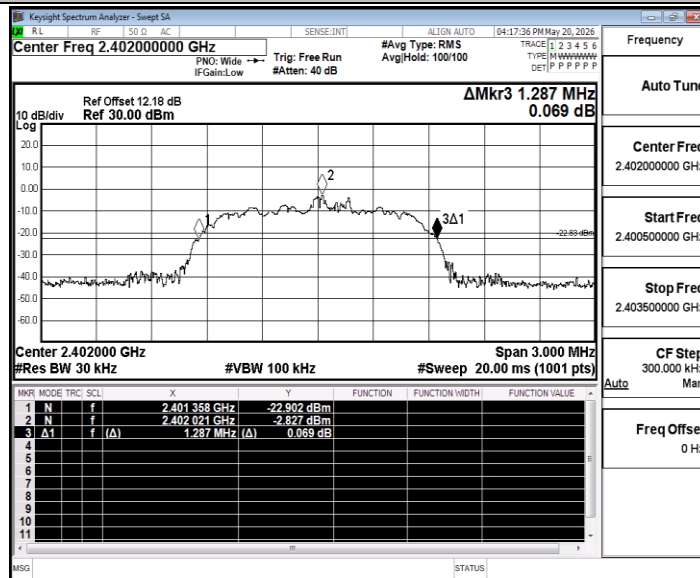
DH5_Ant1_2441



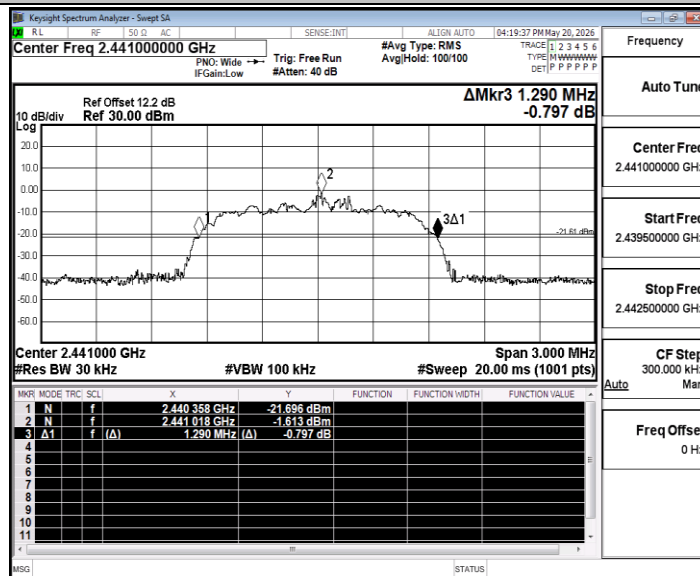
DH5_Ant1_2480



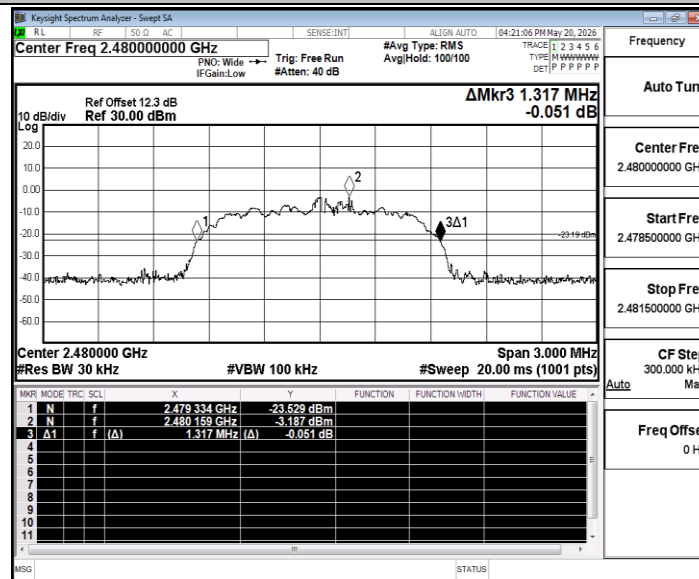
2DH5_Ant1_2402



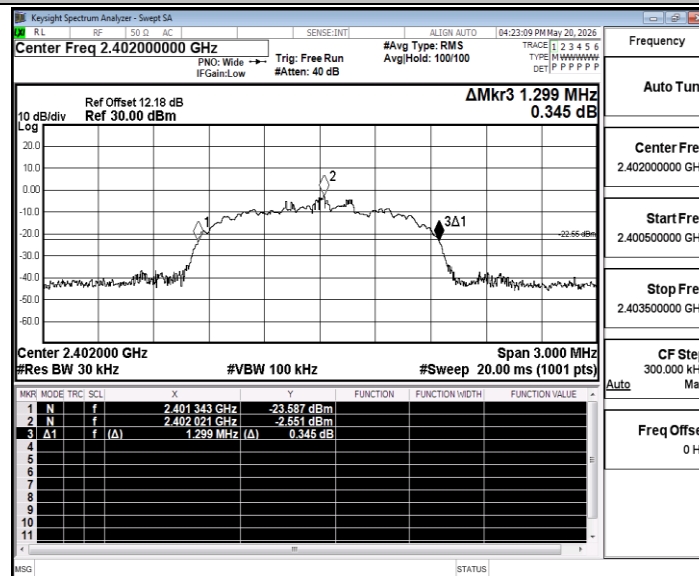
2DH5_Ant1_2441



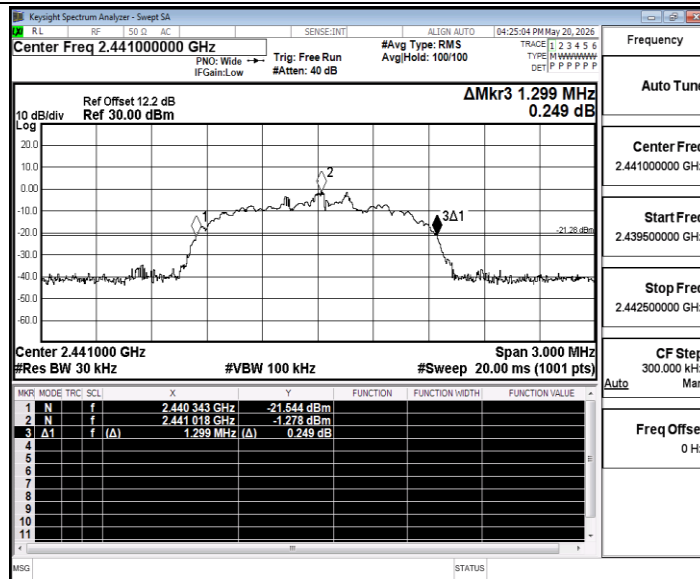
2DH5_Ant1_2480



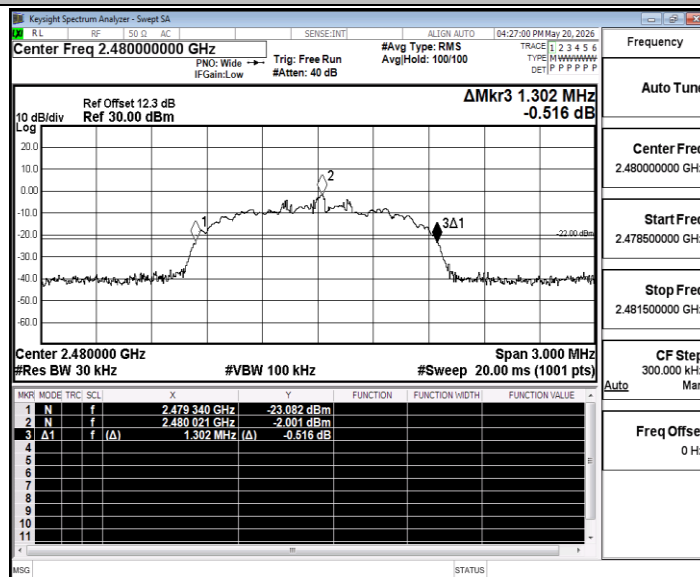
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



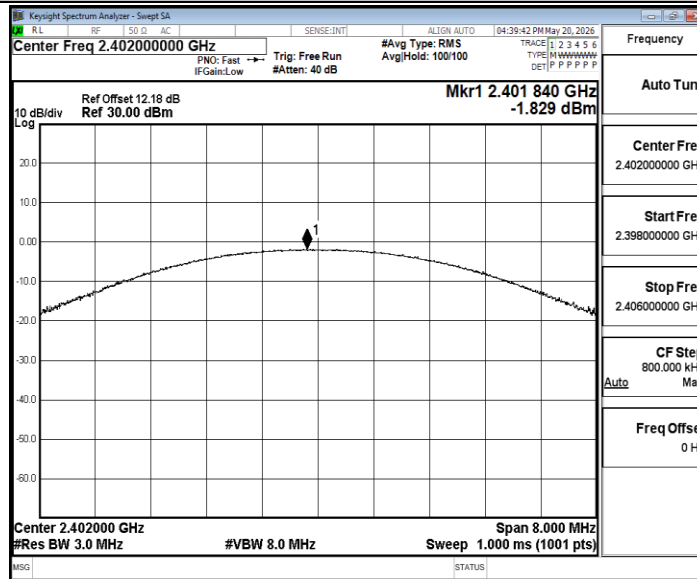
A.2 Maximum Peak conducted output power

Test Result Peak

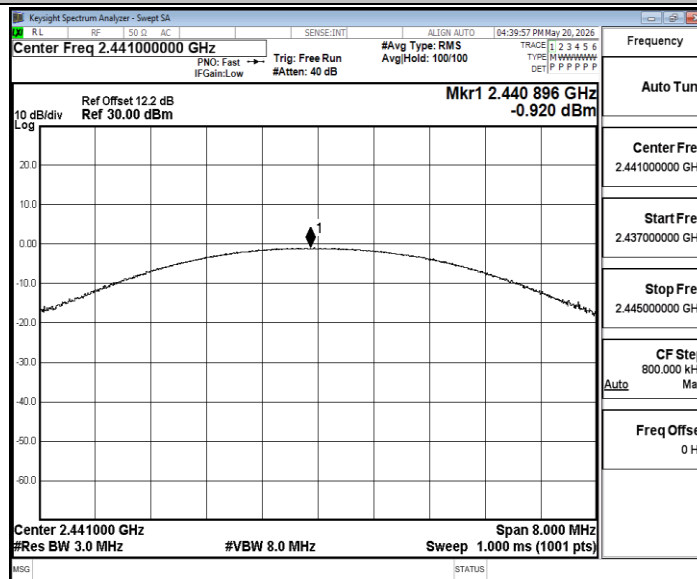
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.83	≤30	PASS
		2441	-0.92	≤30	PASS
		2480	-1.75	≤30	PASS
2DH5	Ant1	2402	-0.68	≤30	PASS
		2441	0.35	≤30	PASS
		2480	-0.81	≤30	PASS
3DH5	Ant1	2402	-0.54	≤30	PASS
		2441	0.47	≤30	PASS
		2480	-0.74	≤30	PASS

Test Graphs

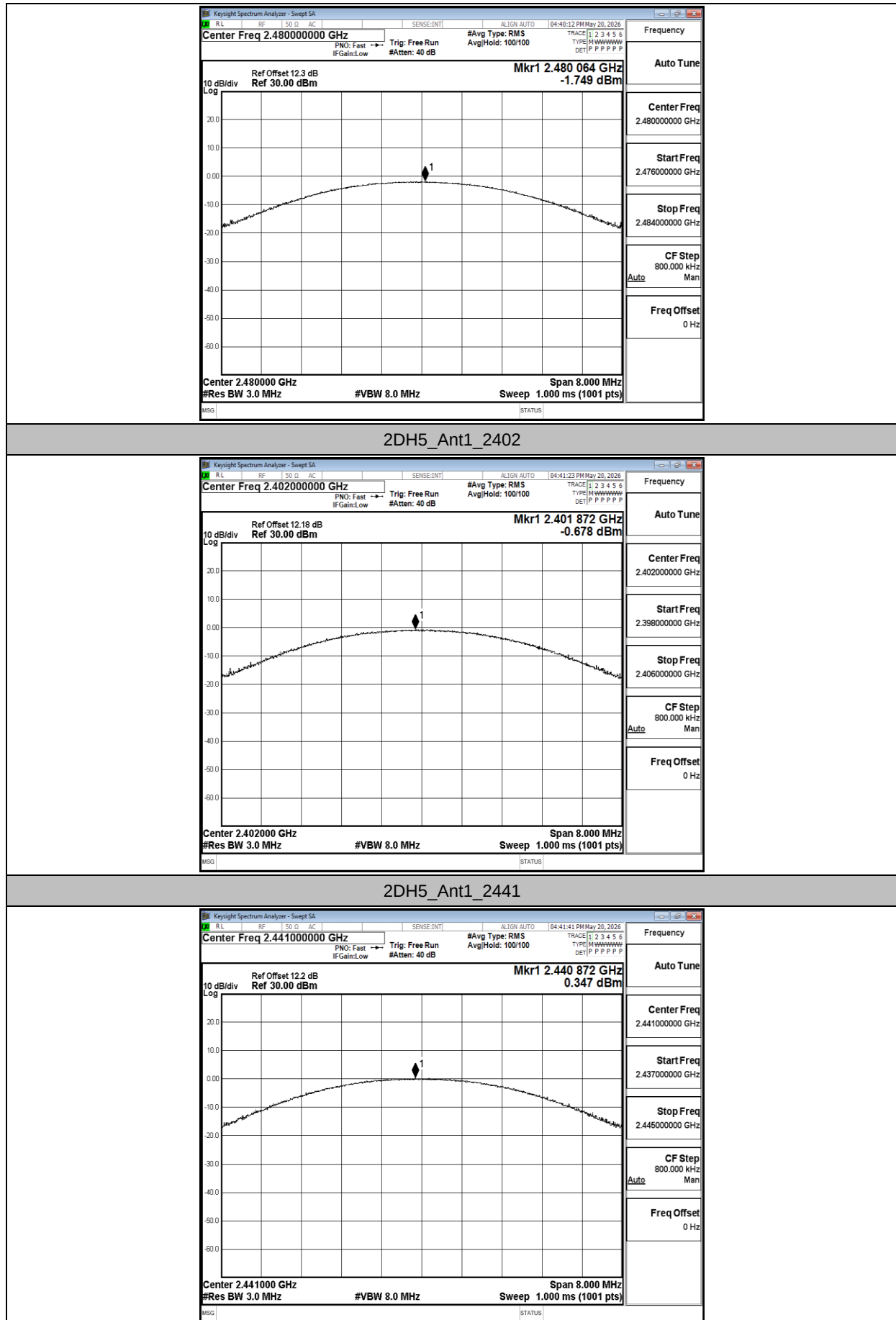
DH5_Ant1_2402



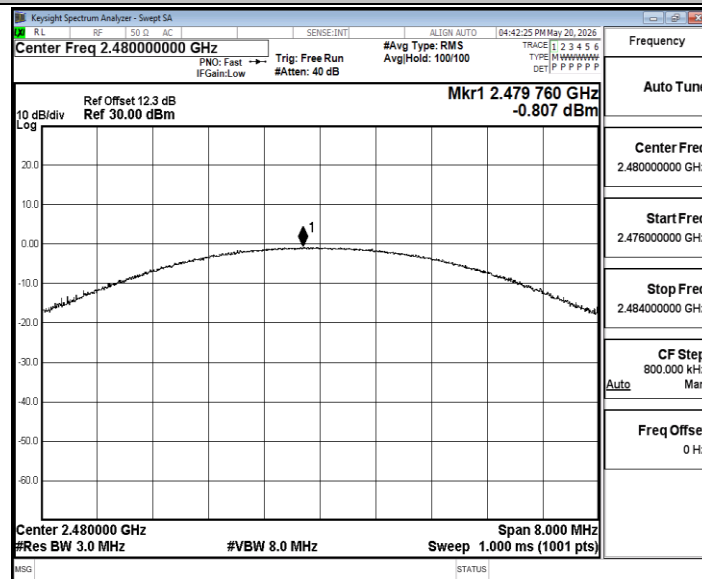
DH5_Ant1_2441



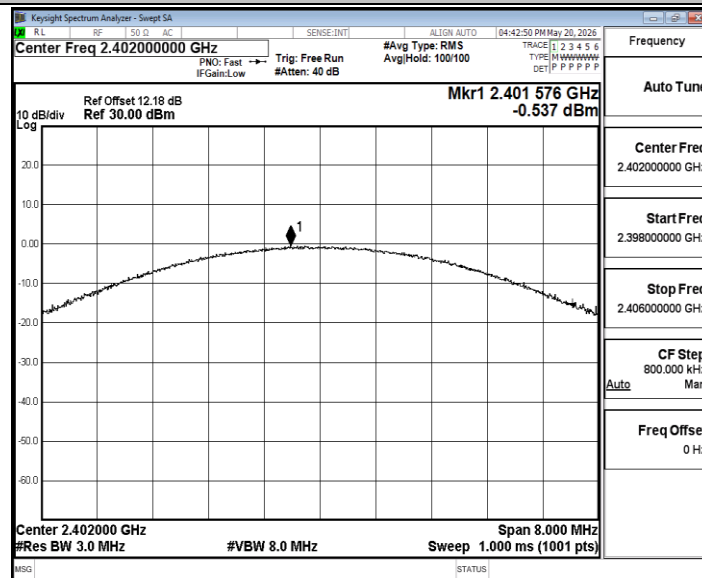
DH5_Ant1_2480



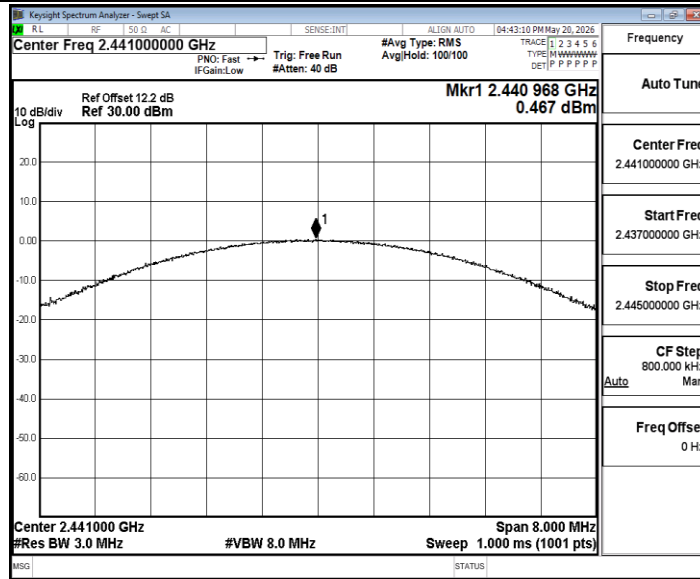
2DH5_Ant1_2480



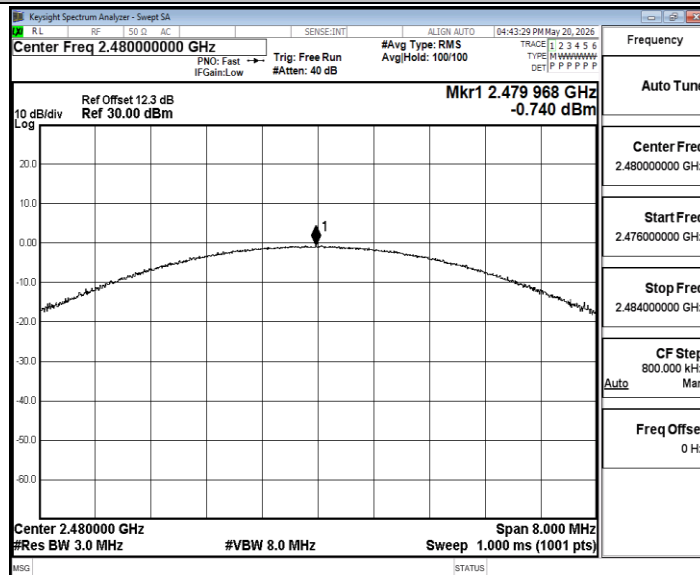
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



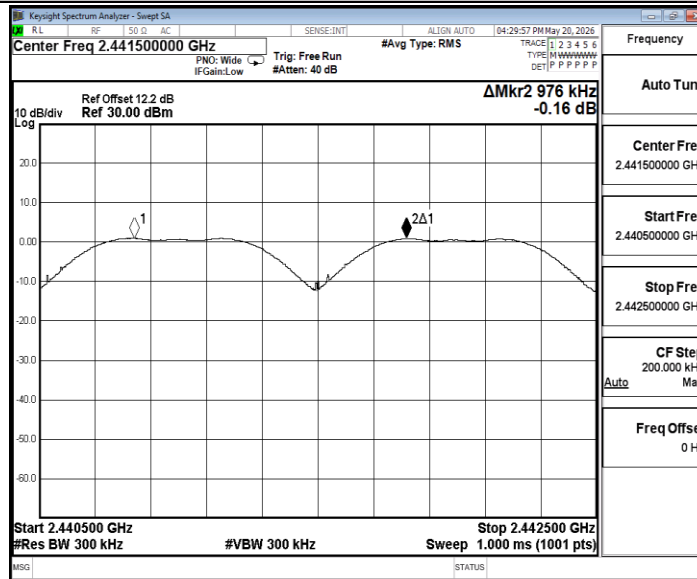
A.3 Carrier frequency separation

Test Result

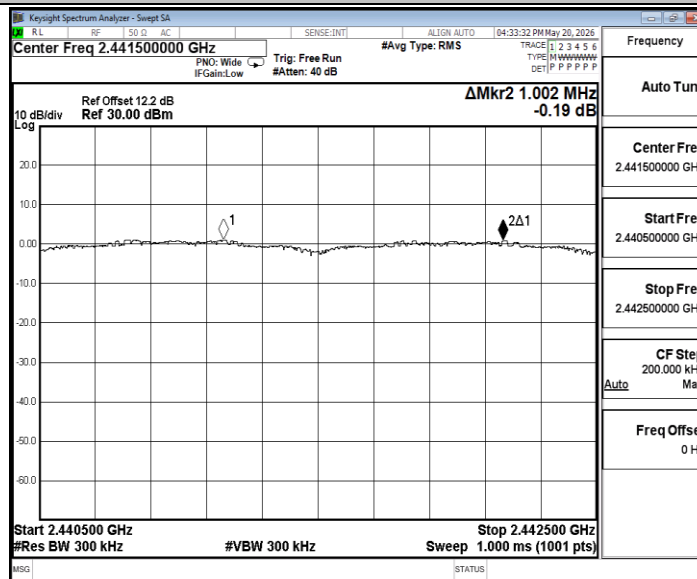
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥ 0.644	PASS
2DH5	Ant1	Hop	1.002	≥ 0.878	PASS
3DH5	Ant1	Hop	1.29	≥ 0.868	PASS

Test Graphs

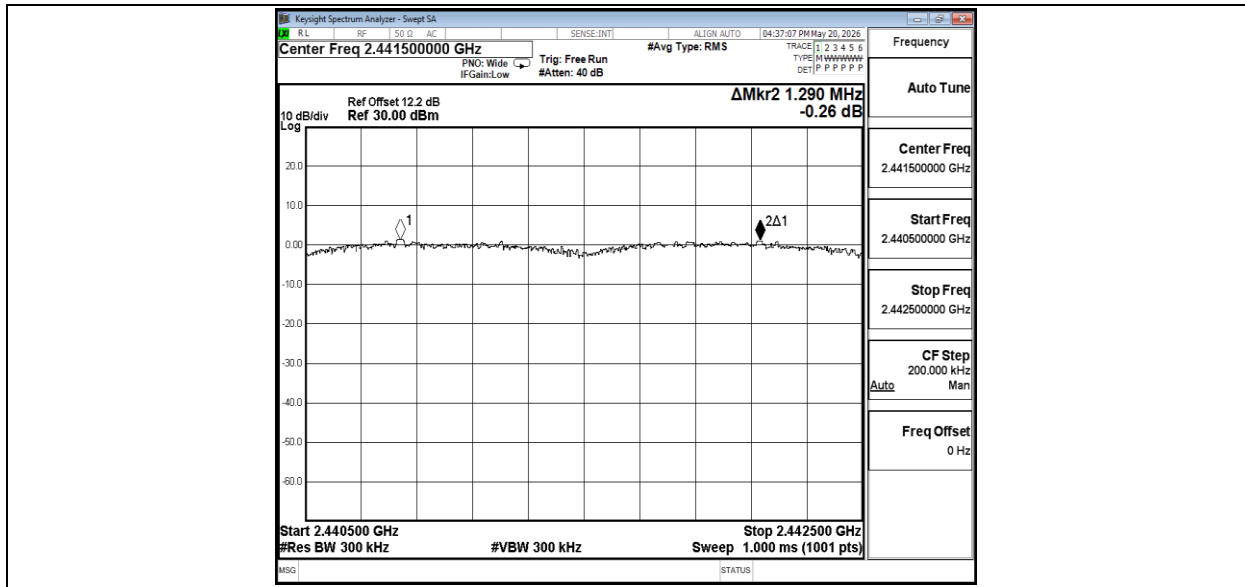
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

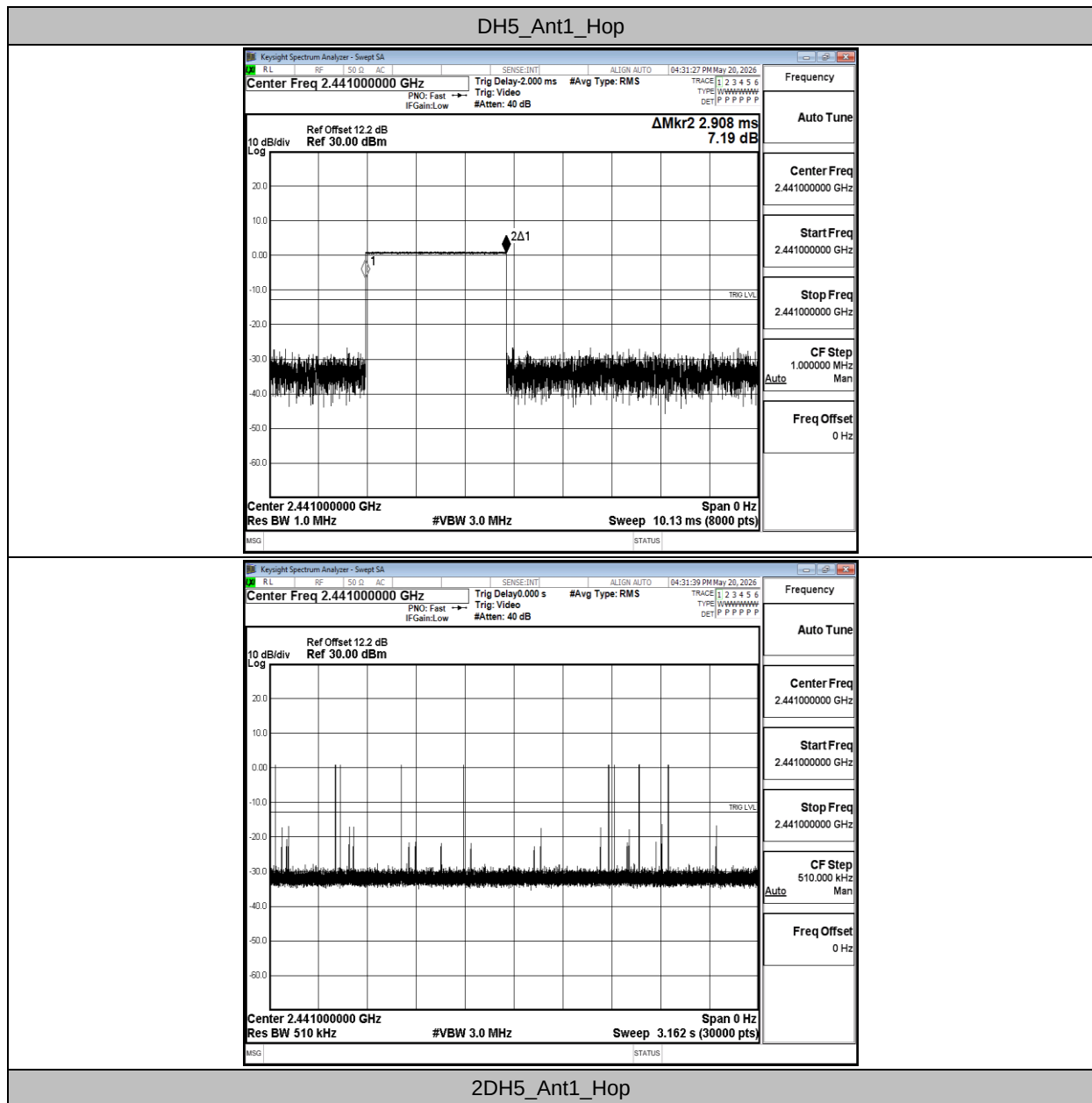


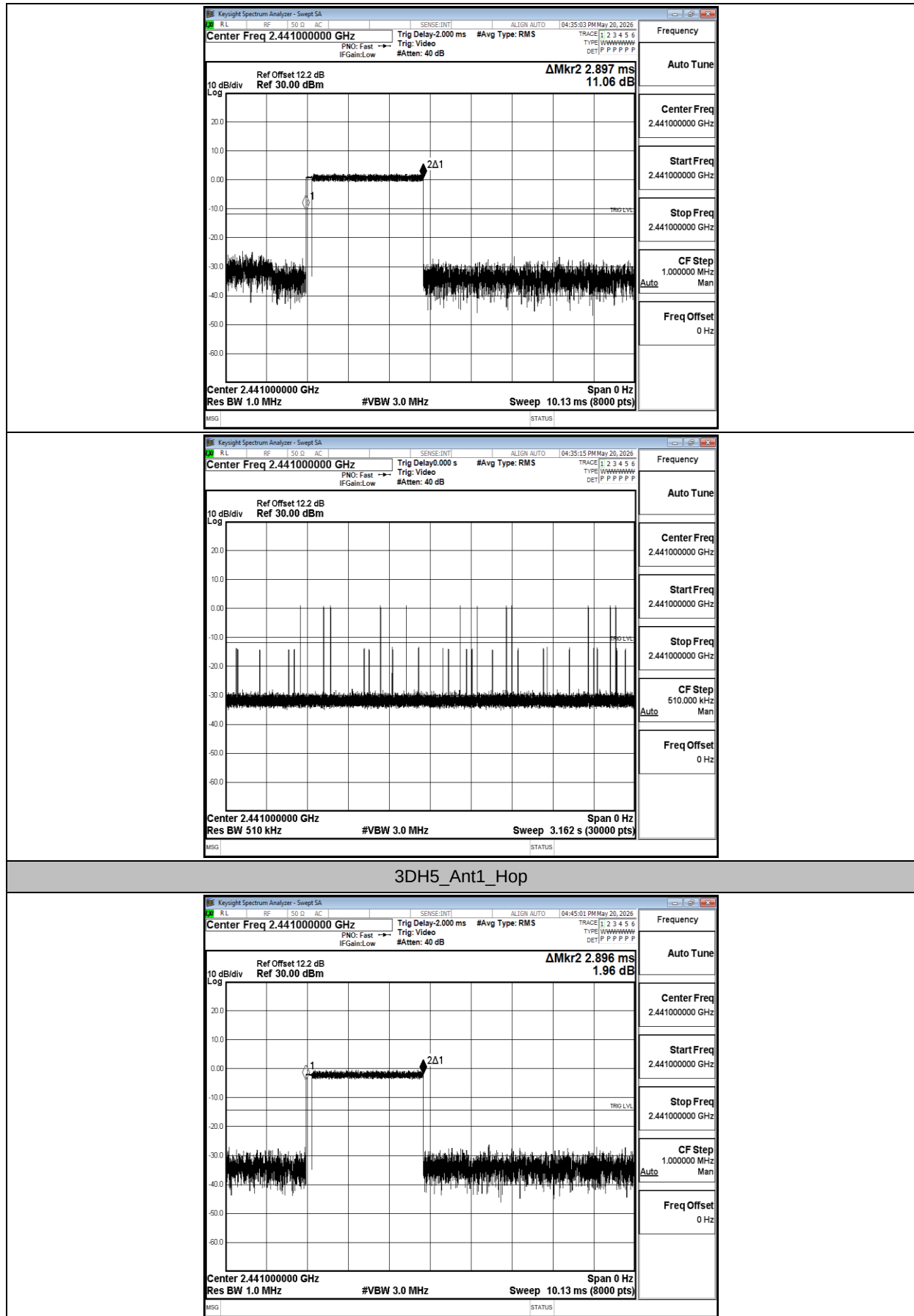
A.4 Time of occupancy

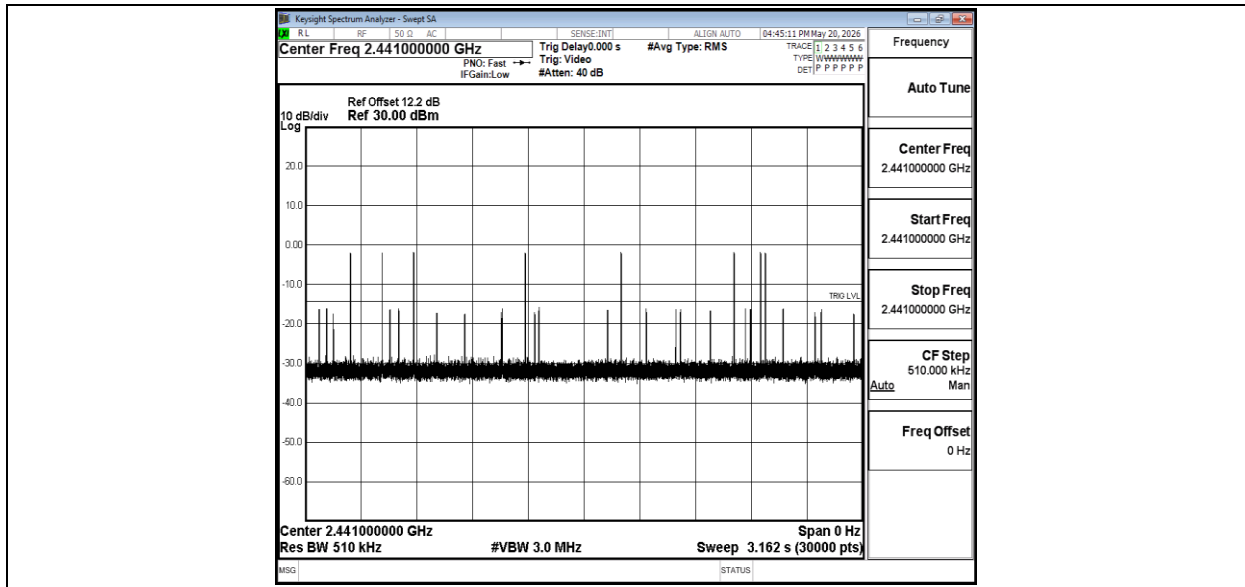
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.897	130	0.377	≤0.4	PASS
3DH5	Ant1	Hop	2.896	90	0.261	≤0.4	PASS

Test Graphs







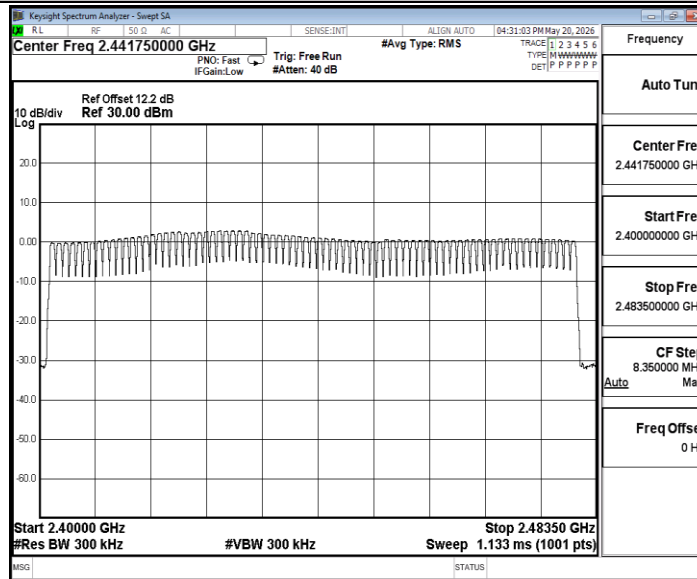
A.5 Number of hopping channels

Test Result

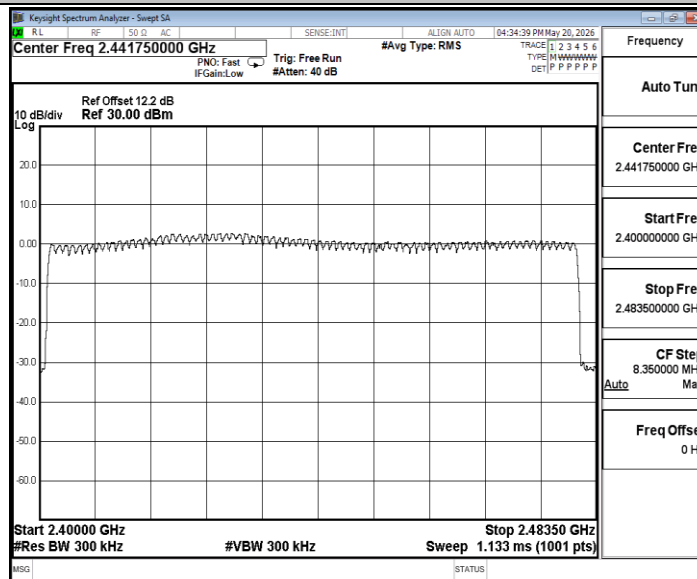
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

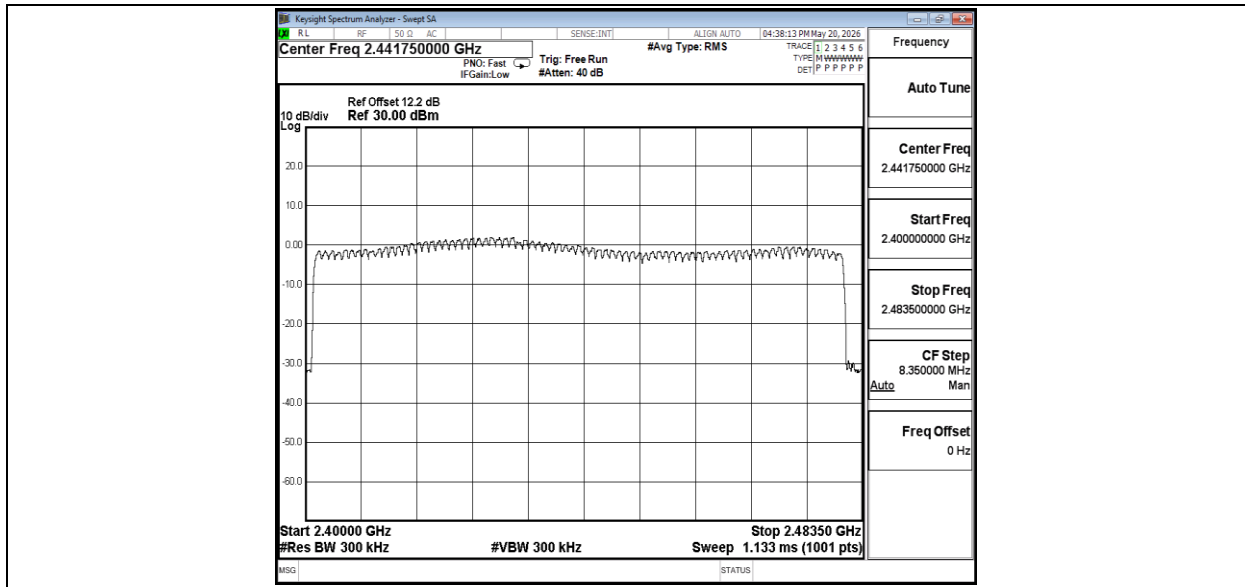
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



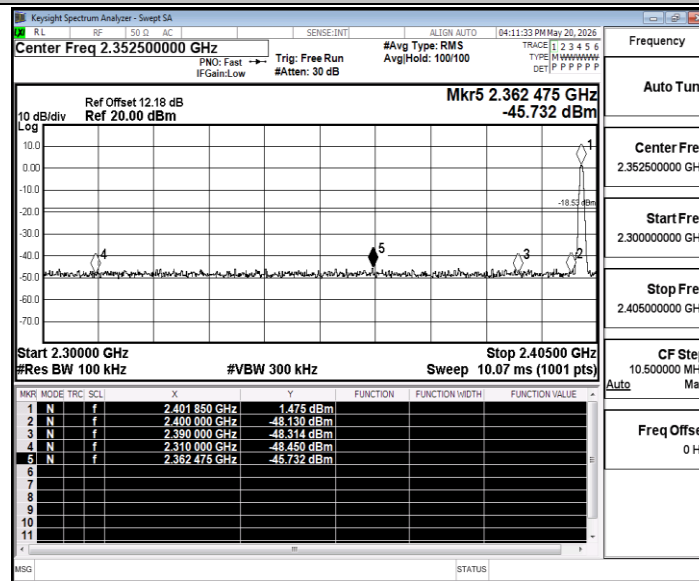
A.6 Band edge measurements

Test Result

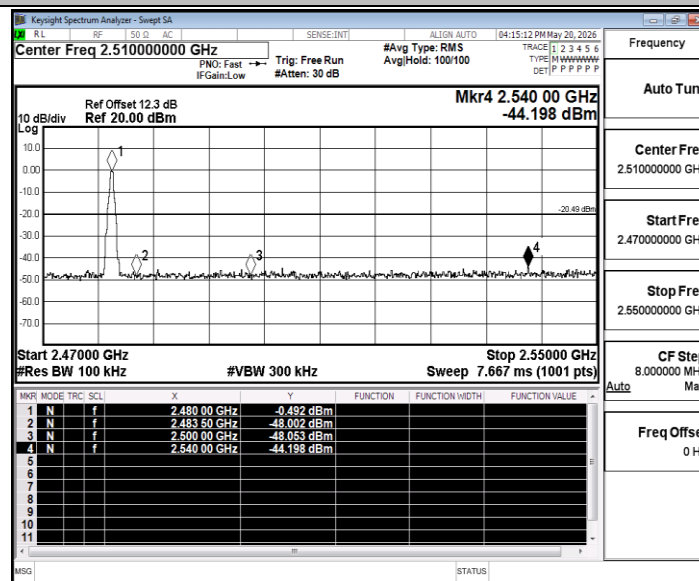
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.48	-45.73	≤-18.53	PASS
		High	2480	-0.49	-44.2	≤-20.49	PASS
		Low	Hop_2402	-1.72	-45.26	≤-21.72	PASS
		High	Hop_2480	-0.20	-45.07	≤-20.2	PASS
2DH5	Ant1	Low	2402	-1.08	-45.55	≤-21.08	PASS
		High	2480	-1.83	-45.2	≤-21.83	PASS
		Low	Hop_2402	-5.50	-45.75	≤-25.5	PASS
		High	Hop_2480	0.34	-44.79	≤-19.66	PASS
3DH5	Ant1	Low	2402	-1.30	-44.46	≤-21.3	PASS
		High	2480	-1.97	-44.99	≤-21.97	PASS
		Low	Hop_2402	-0.51	-44.11	≤-20.51	PASS
		High	Hop_2480	-3.85	-44.42	≤-23.85	PASS

Test Graphs

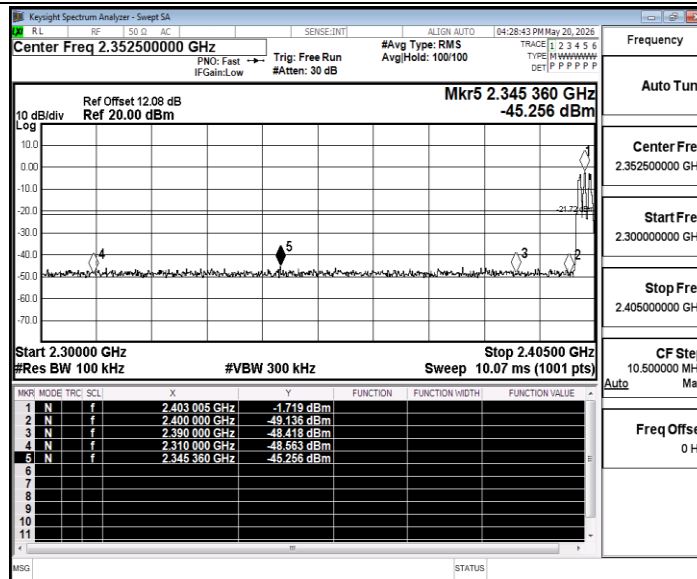
DH5_Ant1_Low_2402



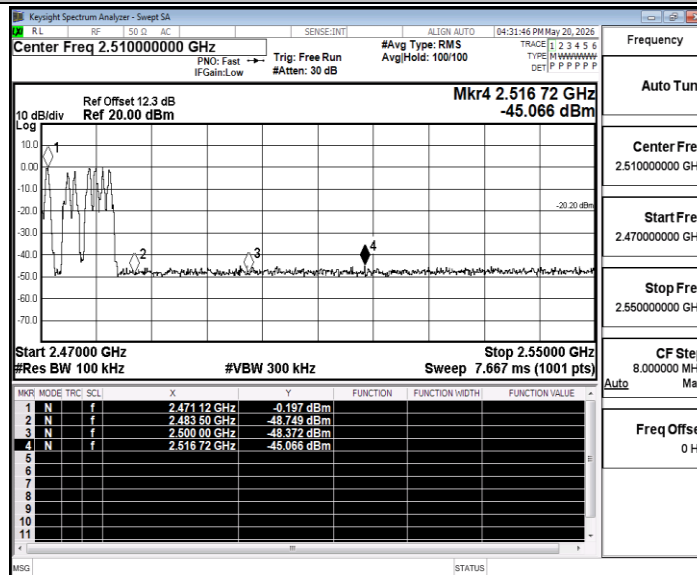
DH5_Ant1_High_2480



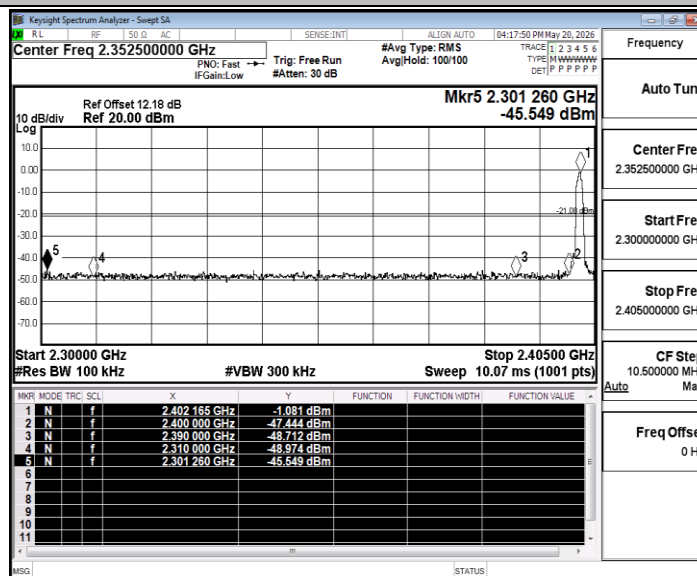
DH5_Ant1_Low_Hop_2402



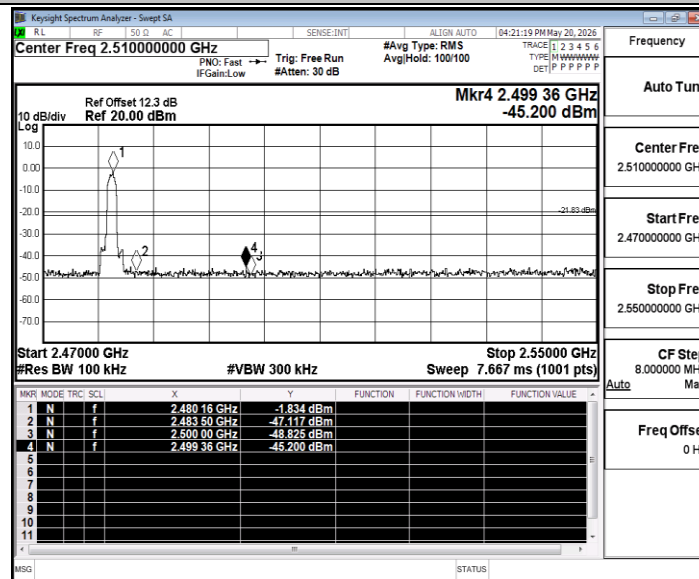
DH5_Ant1_High_Hop_2480



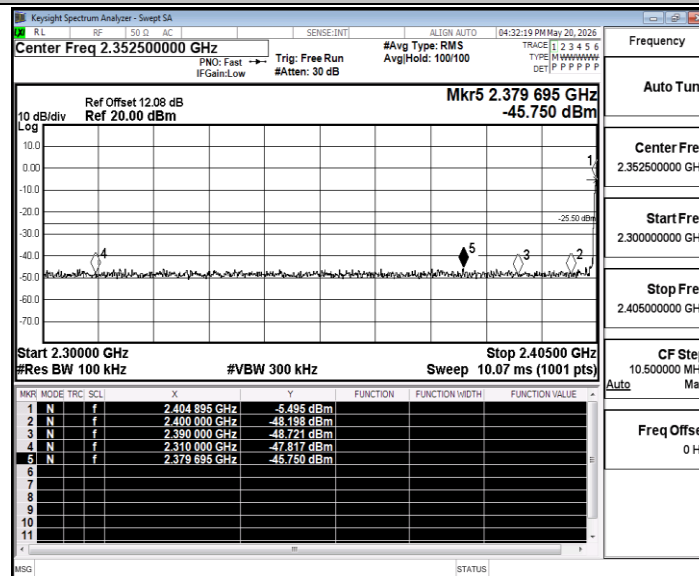
2DH5_Ant1_Low_2402



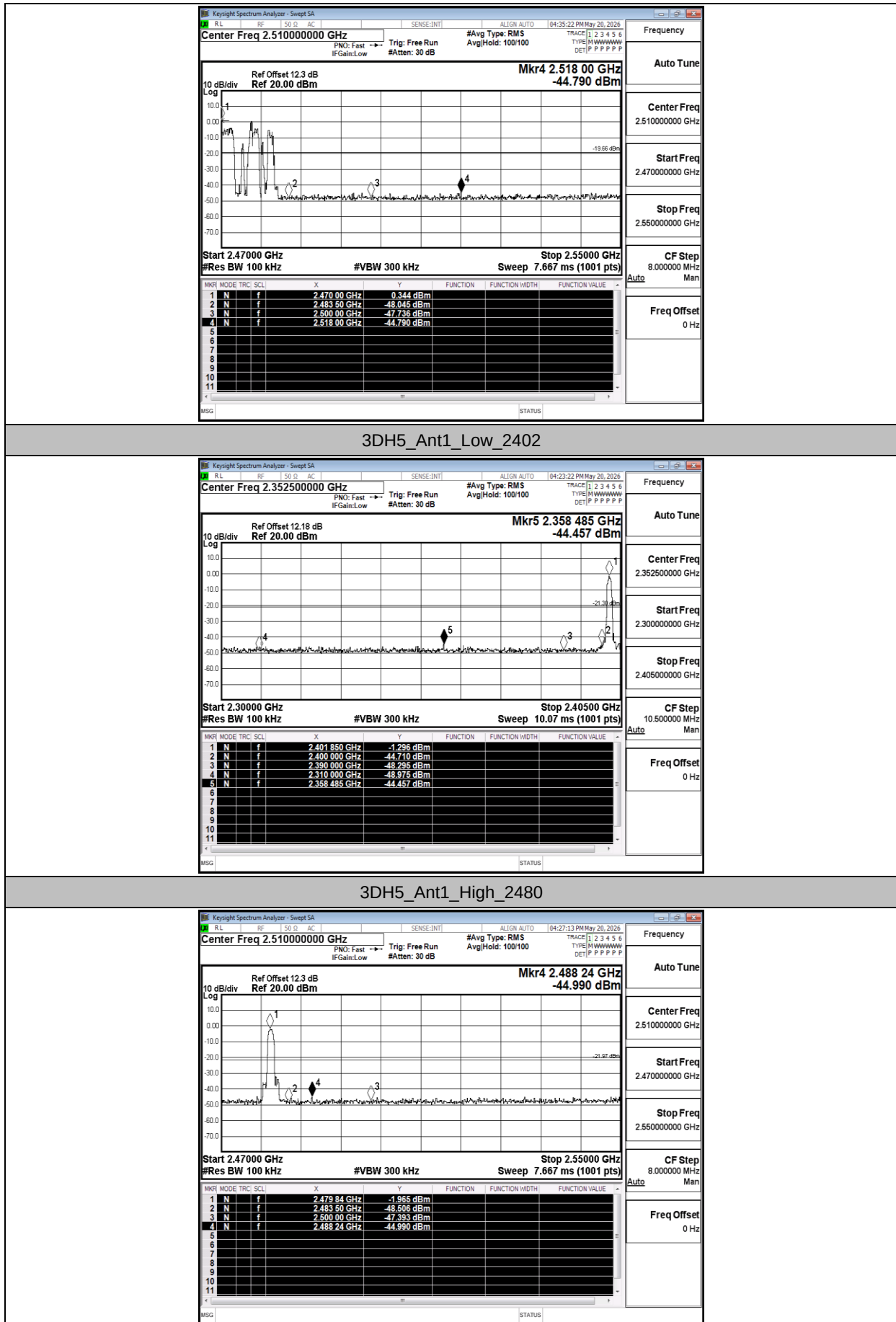
2DH5_Ant1_High_2480



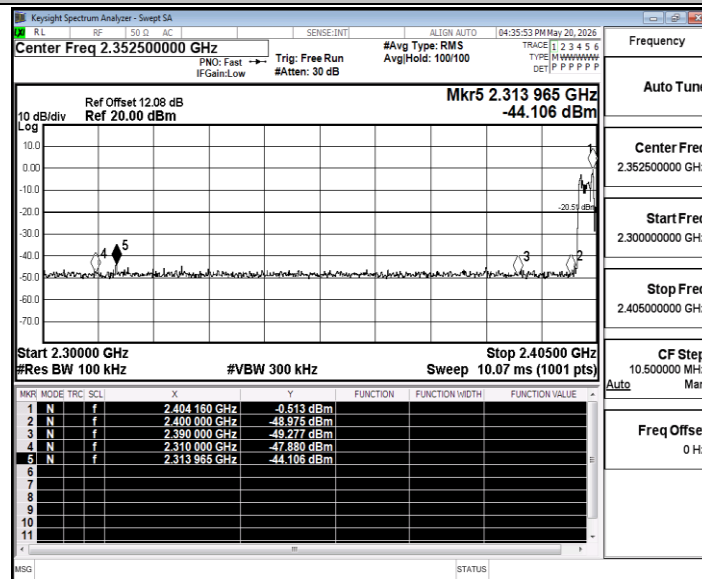
2DH5_Ant1_Low_Hop_2402



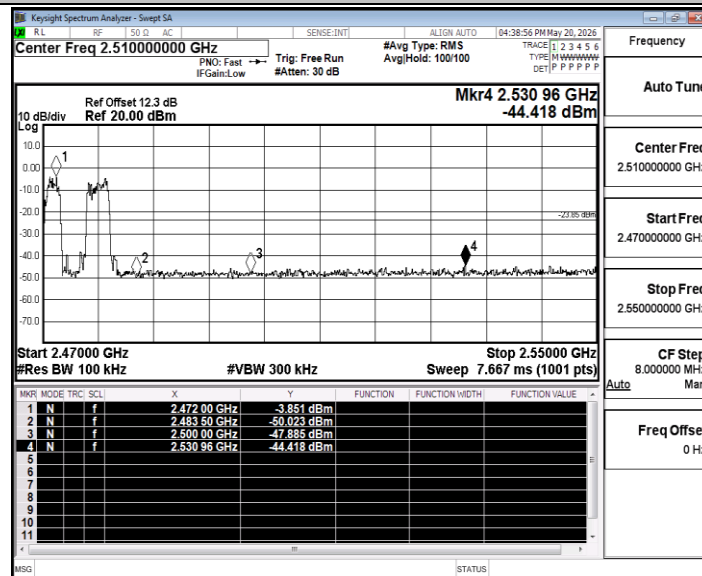
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

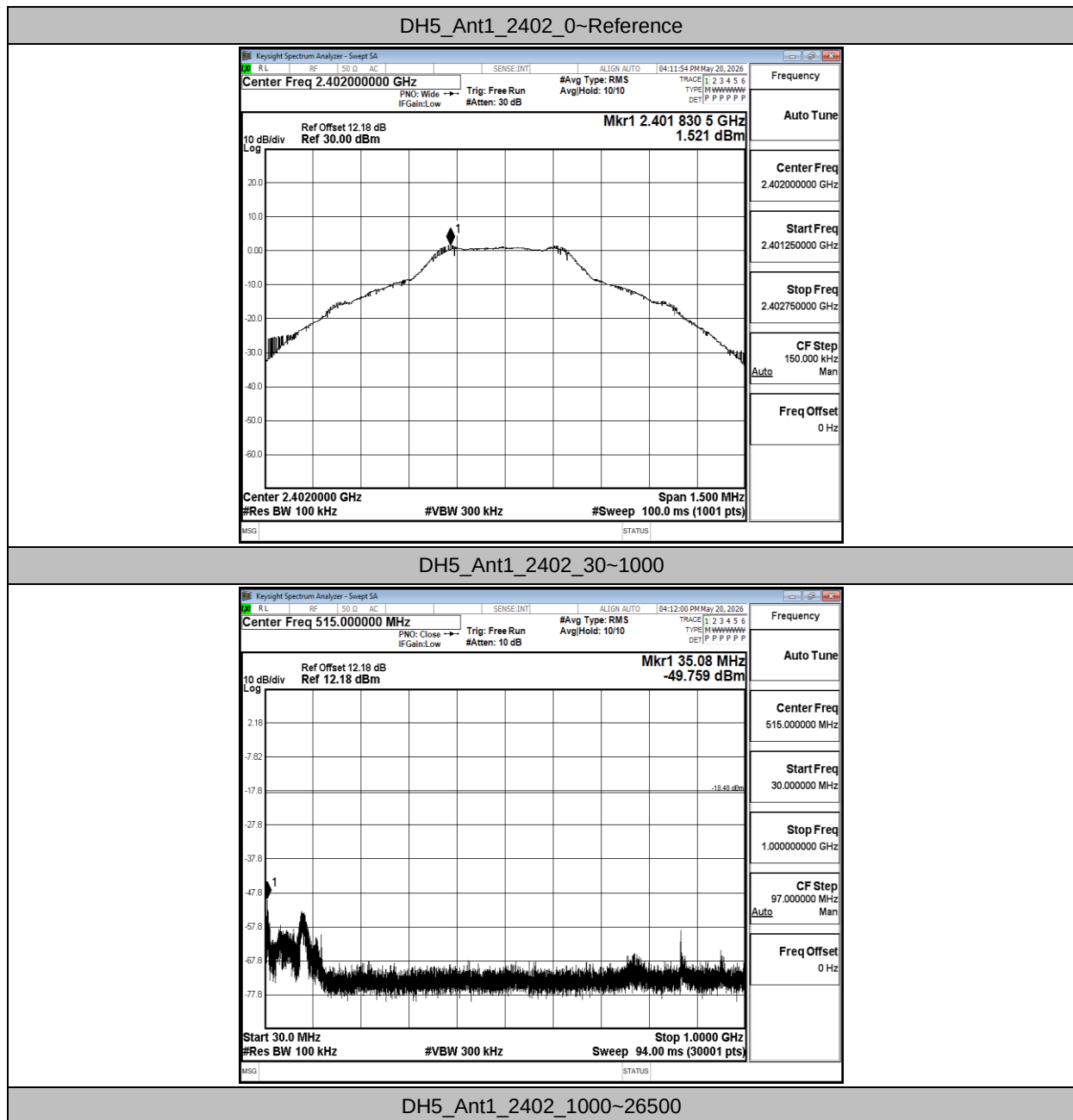


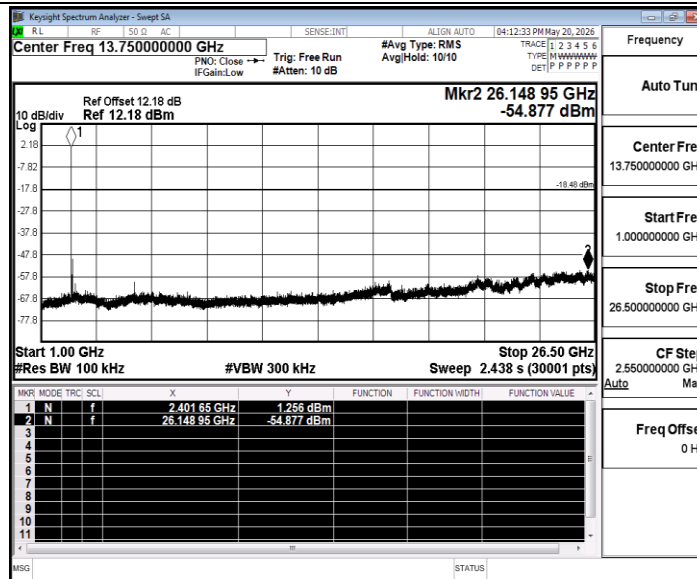
A.7 Conducted Spurious Emission

Test Result

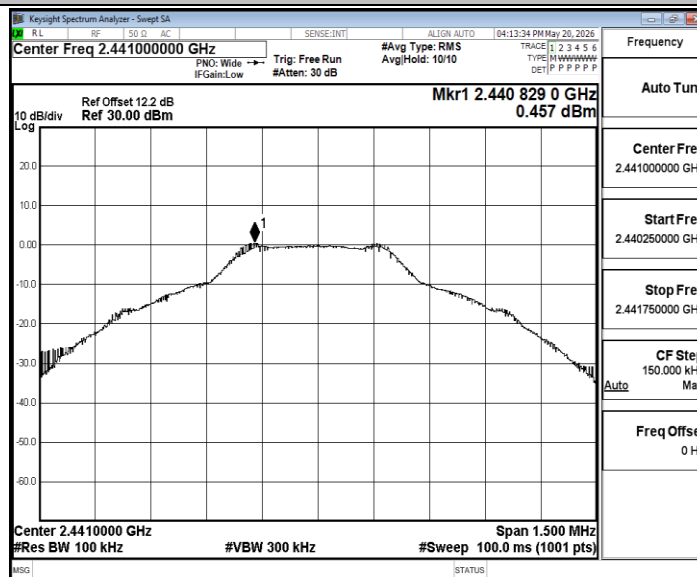
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-49.76	≤-18.48	PASS
			1000~26500	1.52	-54.88	≤-18.48	PASS
		2441	Reference	0.46	0.46	---	PASS
			30~1000	0.46	-51.35	≤-19.54	PASS
			1000~26500	0.46	-54.26	≤-19.54	PASS
		2480	Reference	-0.33	-0.33	---	PASS
			30~1000	-0.33	-47.54	≤-20.33	PASS
			1000~26500	-0.33	-54.8	≤-20.33	PASS
2DH5	Ant1	2402	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-52.72	≤-20.8	PASS
			1000~26500	-0.80	-54.58	≤-20.8	PASS
		2441	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-52.42	≤-19.69	PASS
			1000~26500	0.31	-54.87	≤-19.69	PASS
		2480	Reference	-0.48	-0.48	---	PASS
			30~1000	-0.48	-49.74	≤-20.48	PASS
			1000~26500	-0.48	-54.23	≤-20.48	PASS
3DH5	Ant1	2402	Reference	-0.41	-0.41	---	PASS
			30~1000	-0.41	-52.57	≤-20.41	PASS
			1000~26500	-0.41	-55.07	≤-20.41	PASS
		2441	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-52.2	≤-19.11	PASS
			1000~26500	0.89	-54.32	≤-19.11	PASS
		2480	Reference	0.12	0.12	---	PASS
			30~1000	0.12	-50.58	≤-19.88	PASS
			1000~26500	0.12	-54.79	≤-19.88	PASS

Test Graphs

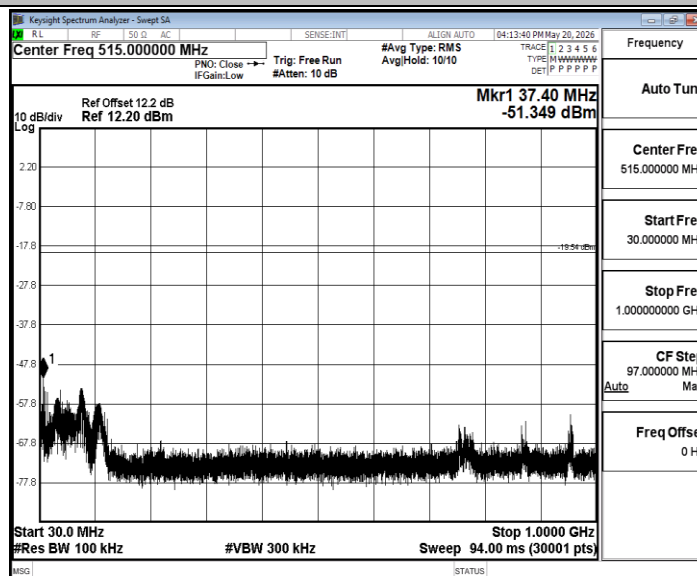


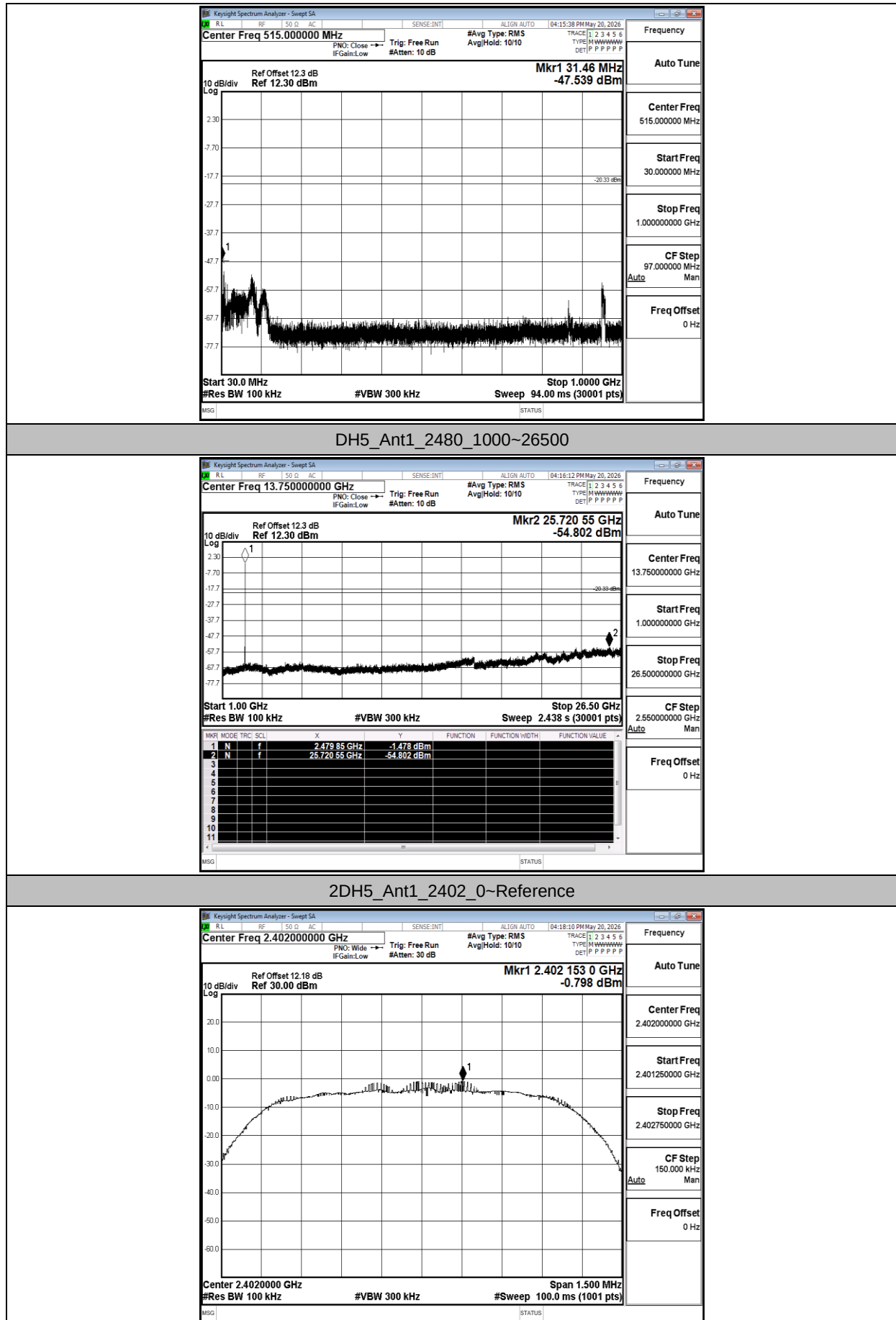


DH5_Ant1_2441_0~Reference

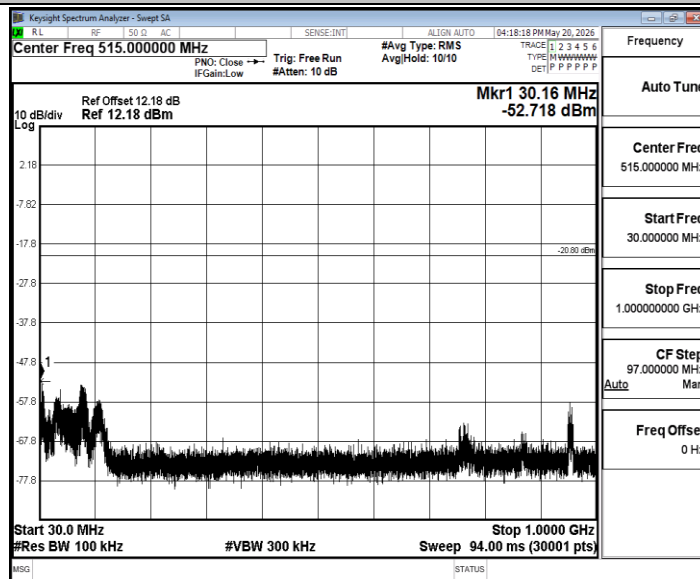


DH5_Ant1_2441_30~1000

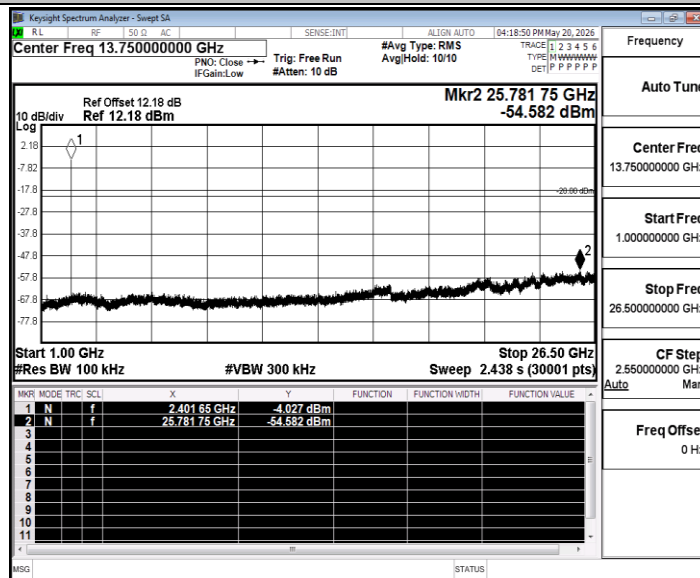




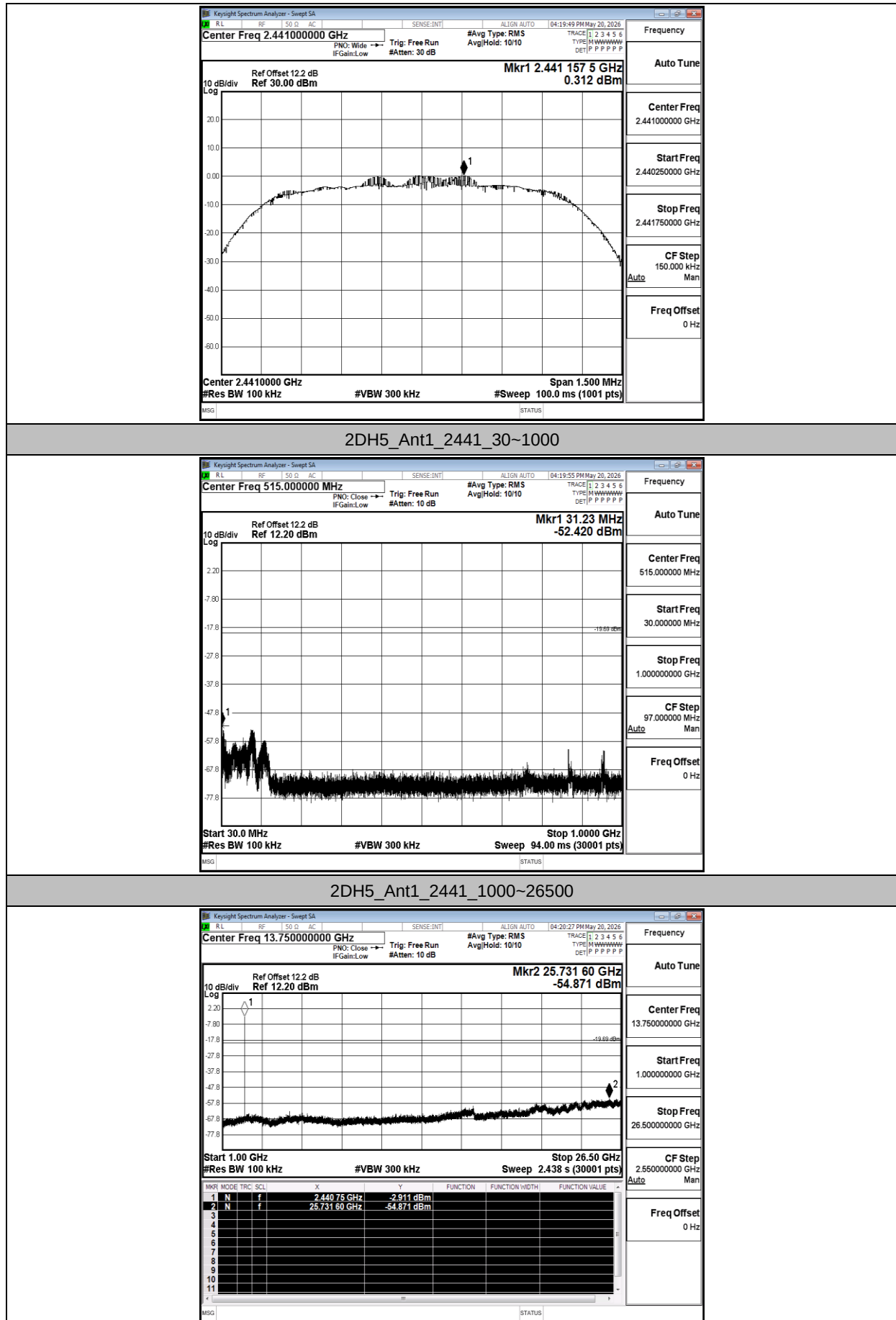
2DH5_Ant1_2402_30~1000



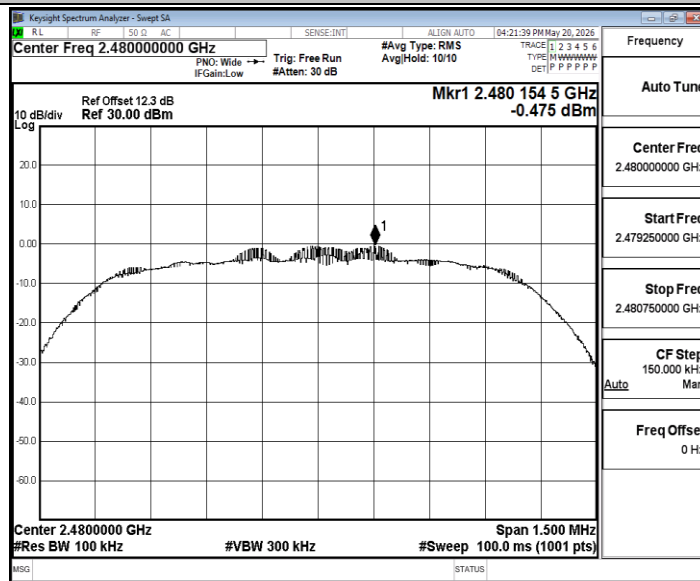
2DH5_Ant1_2402_1000~26500



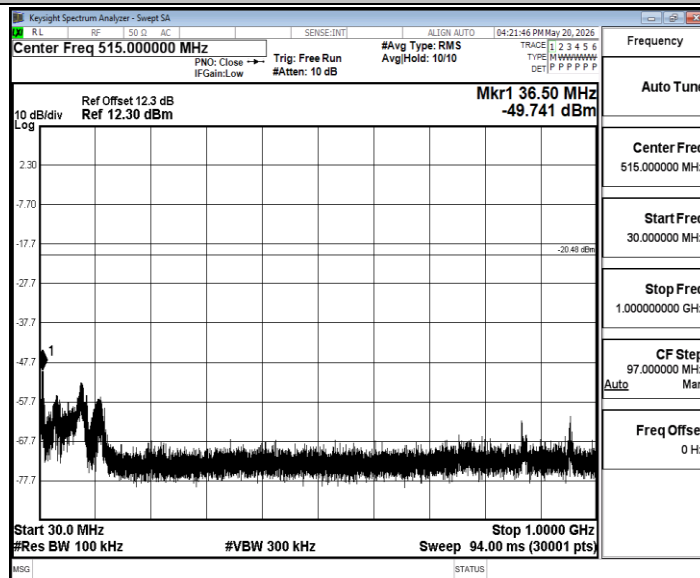
2DH5_Ant1_2441_0~Reference



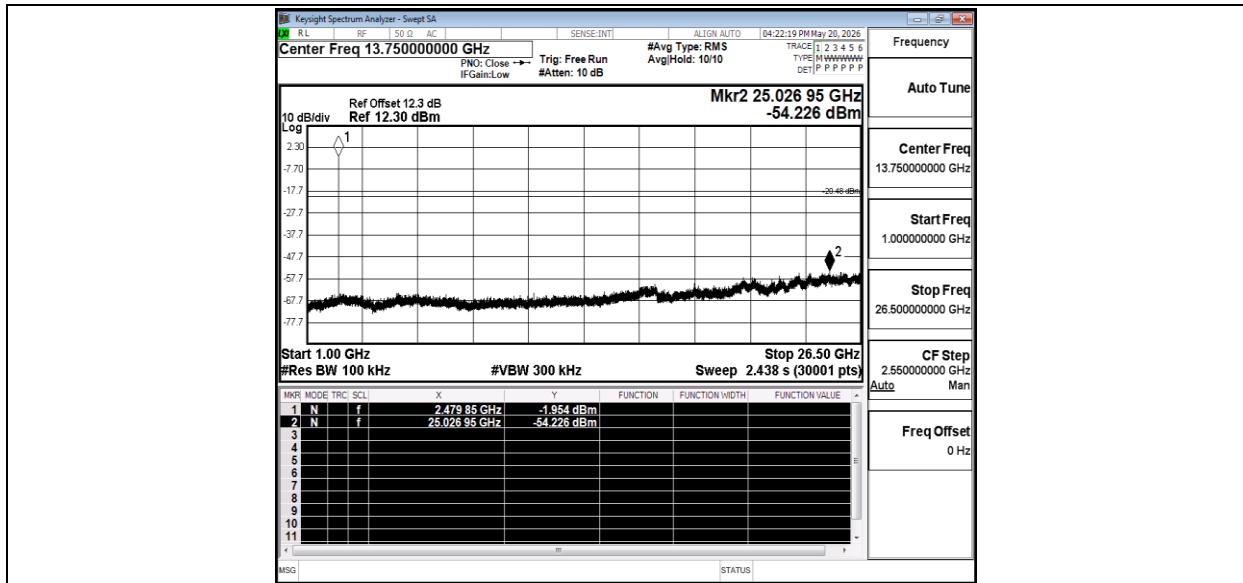
2DH5_Ant1_2480_0~Reference



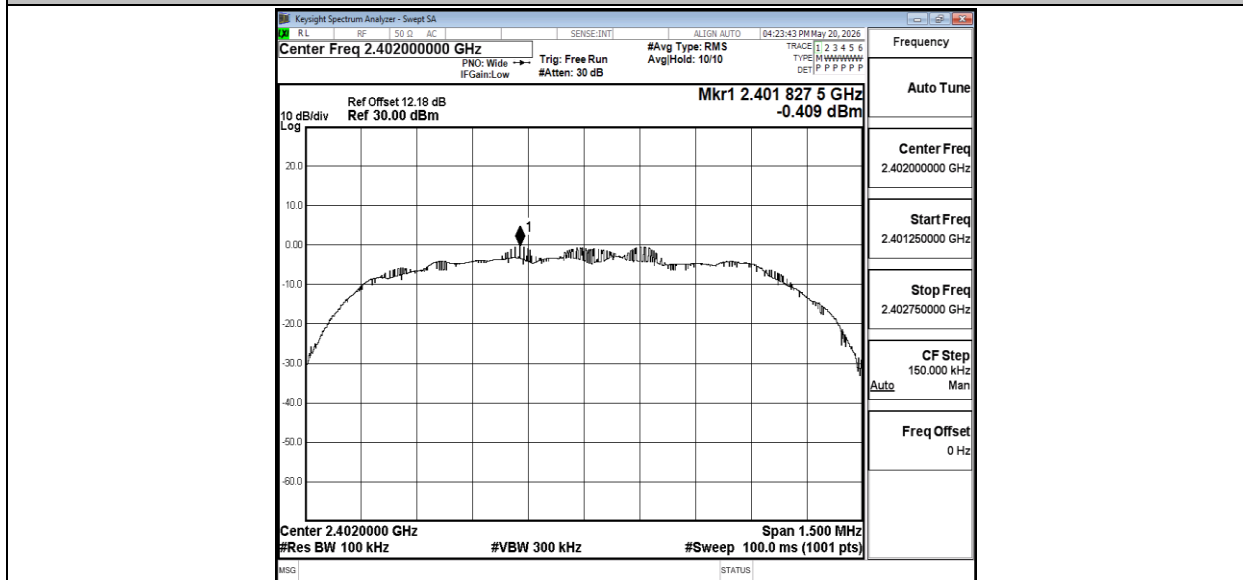
2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

