

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Portable Wireless Display Monitor

Test Model: AUSTA-A9

Environmental Conditions

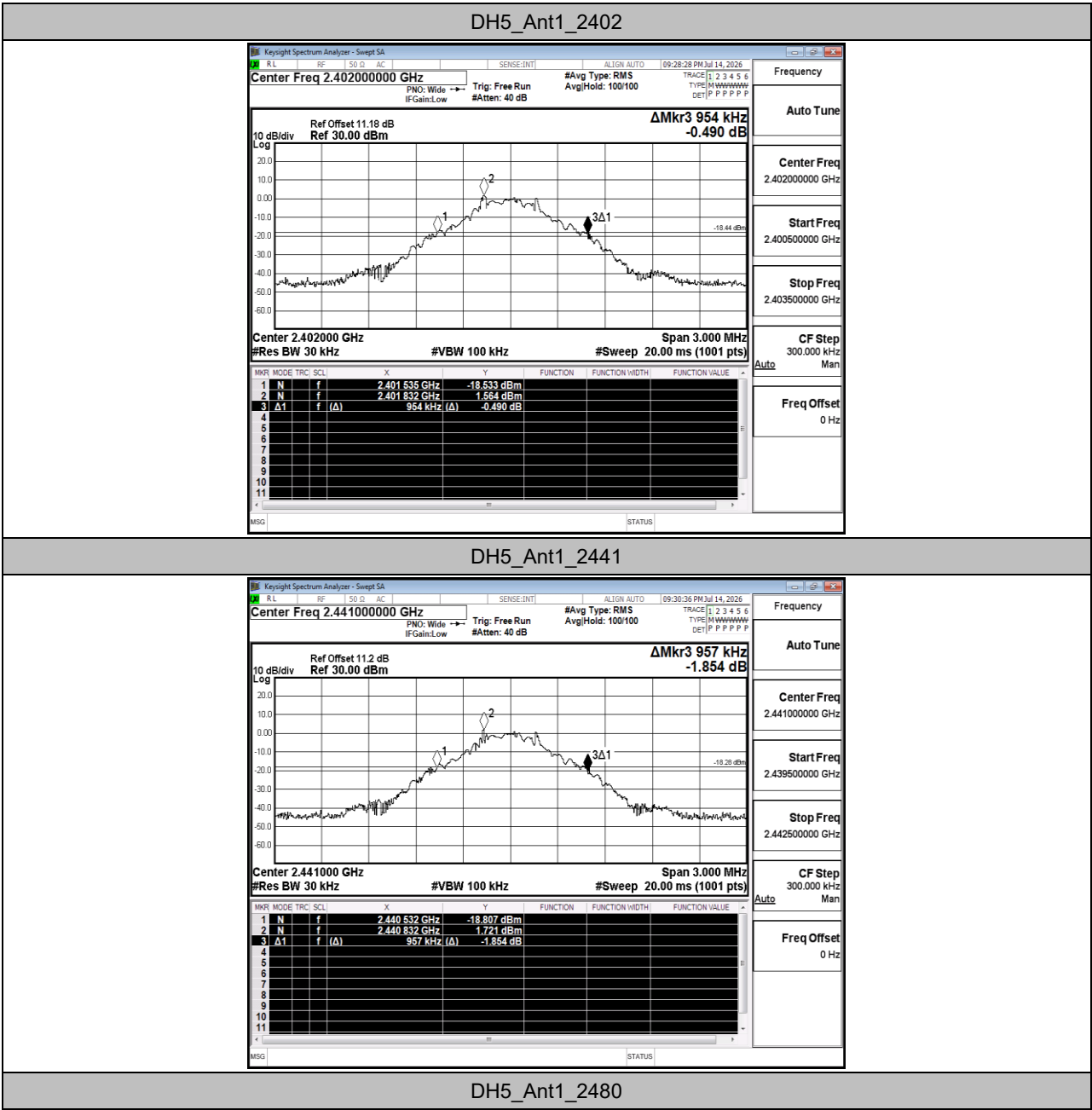
Temperature:	24.6°C
Relative Humidity:	53.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

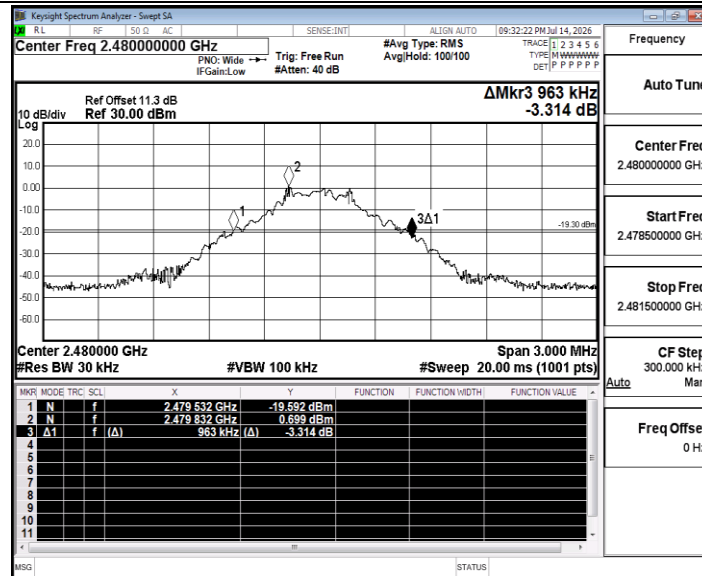
A.1 20dB Emission Bandwidth

Test Result

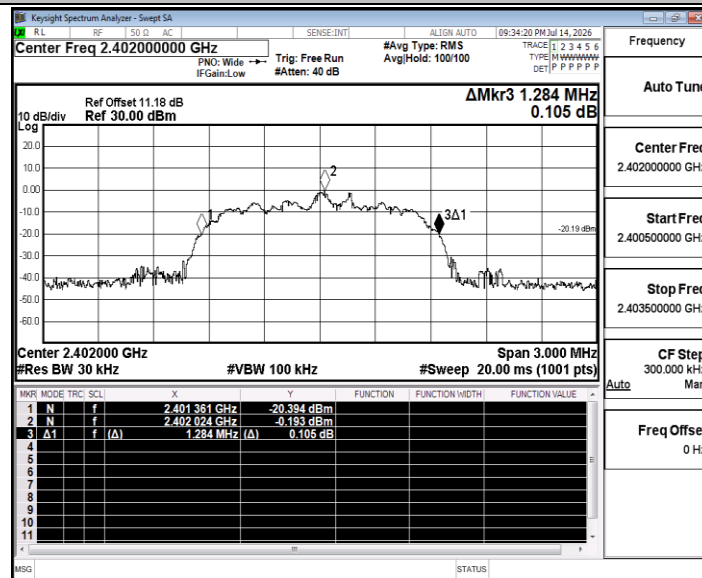
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.535	2402.489	---	---
		2441	0.957	2440.532	2441.489	---	---
		2480	0.963	2479.532	2480.495	---	---
2DH5	Ant1	2402	1.284	2401.361	2402.645	---	---
		2441	1.284	2440.361	2441.645	---	---
		2480	1.293	2479.358	2480.651	---	---
3DH5	Ant1	2402	1.281	2401.352	2402.633	---	---
		2441	1.281	2440.346	2441.627	---	---
		2480	1.293	2479.346	2480.639	---	---

Test Graphs

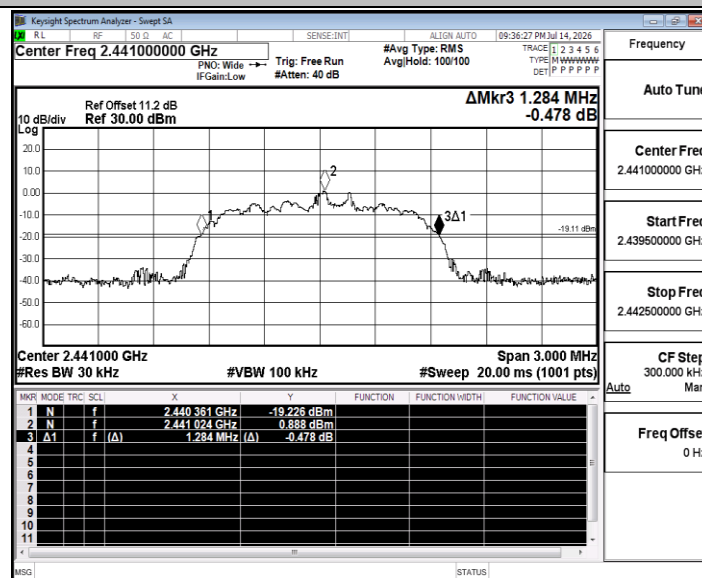




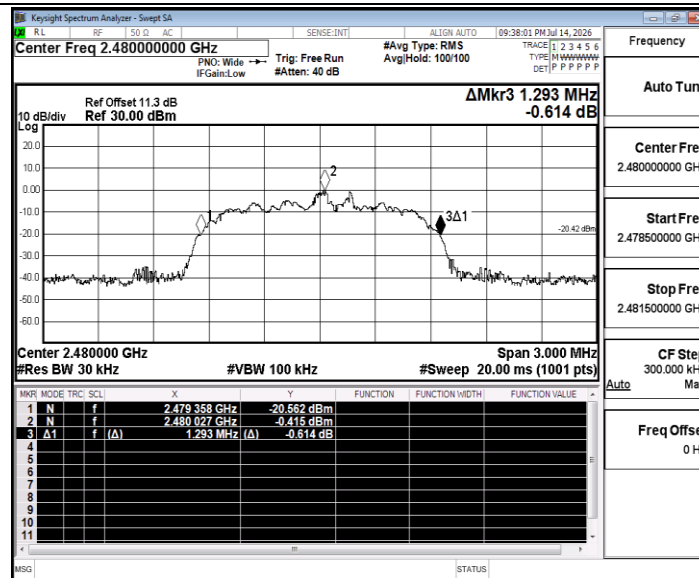
2DH5_Ant1_2402



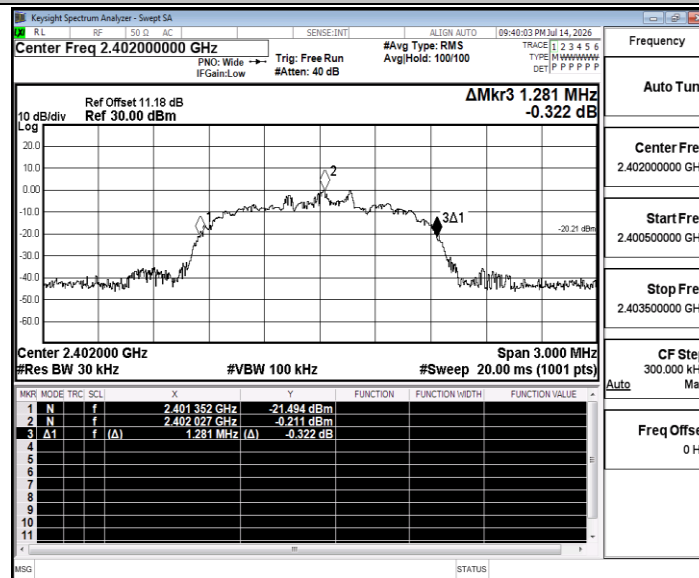
2DH5_Ant1_2441



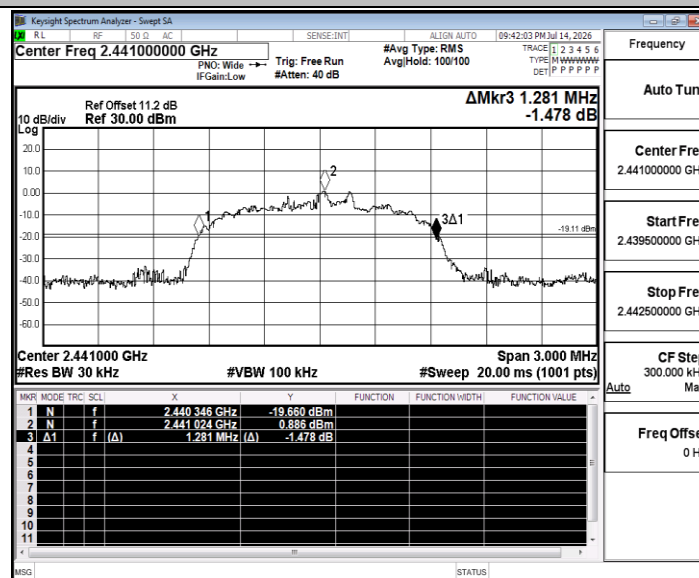
2DH5_Ant1_2480



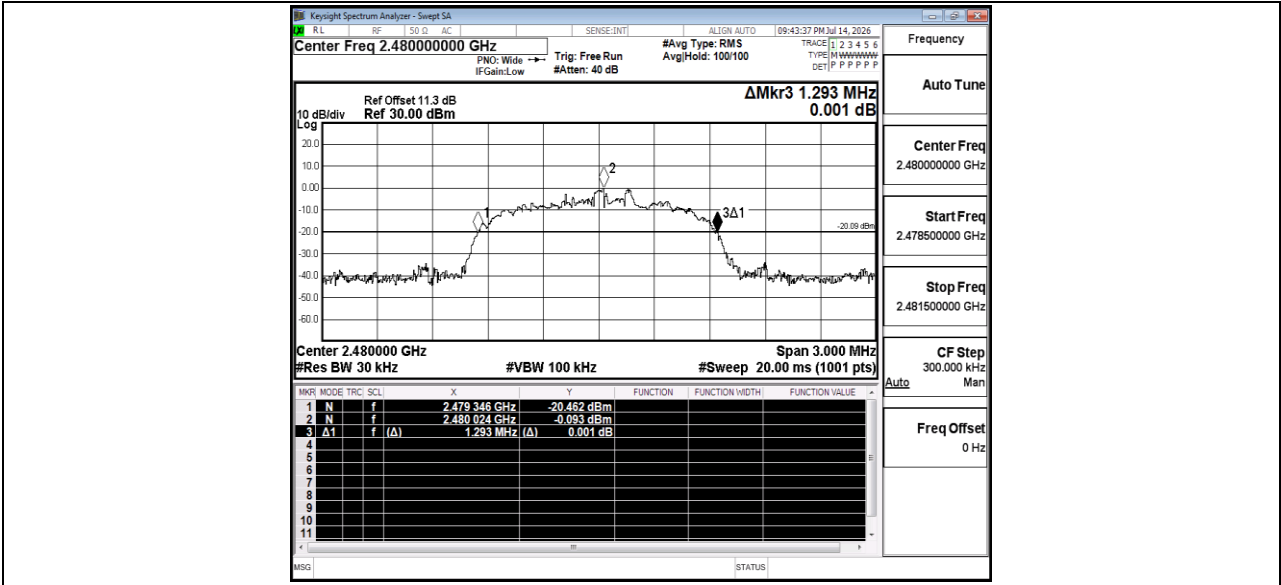
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

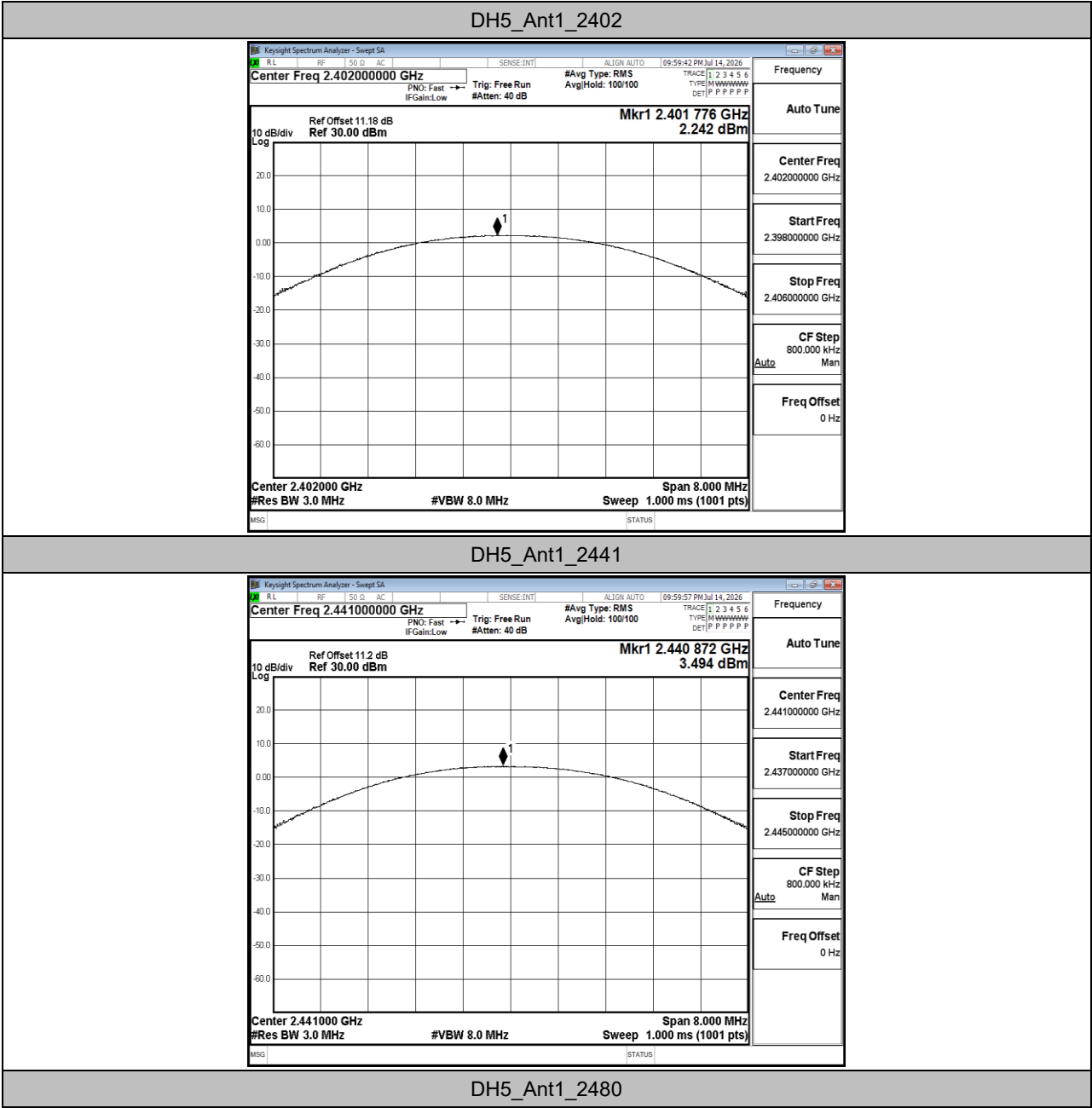


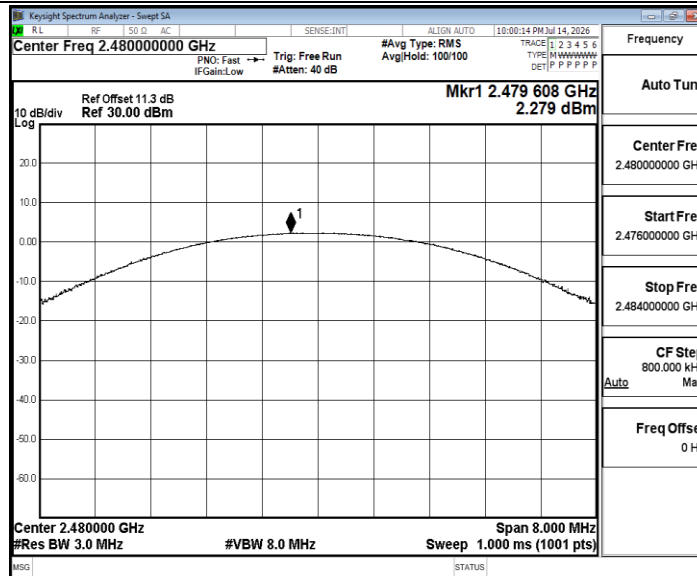
A.2 Maximum Peak conducted output power

Test Result Peak

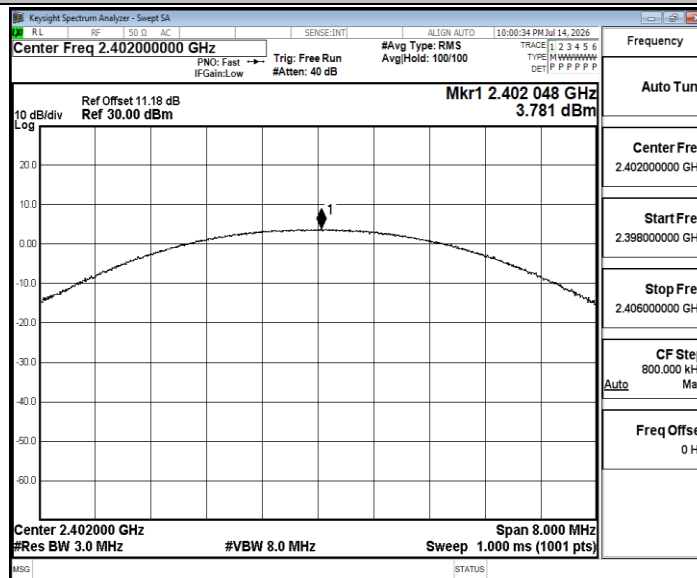
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.24	≤30	PASS
		2441	3.49	≤30	PASS
		2480	2.28	≤30	PASS
2DH5	Ant1	2402	3.78	≤30	PASS
		2441	3.47	≤30	PASS
		2480	3.41	≤30	PASS
3DH5	Ant1	2402	2.81	≤30	PASS
		2441	3.67	≤30	PASS
		2480	3.58	≤30	PASS

Test Graphs

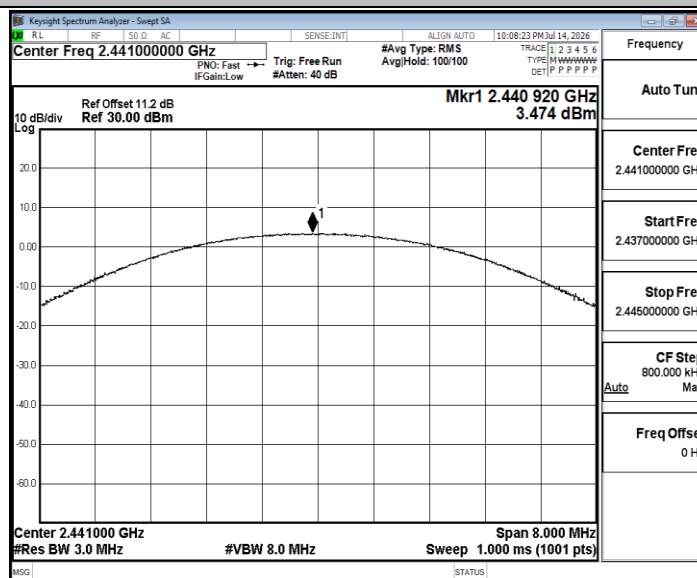




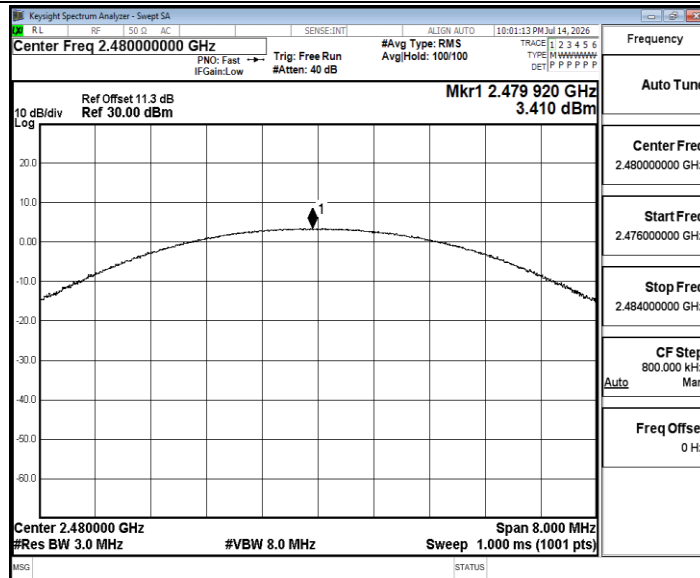
2DH5_Ant1_2402



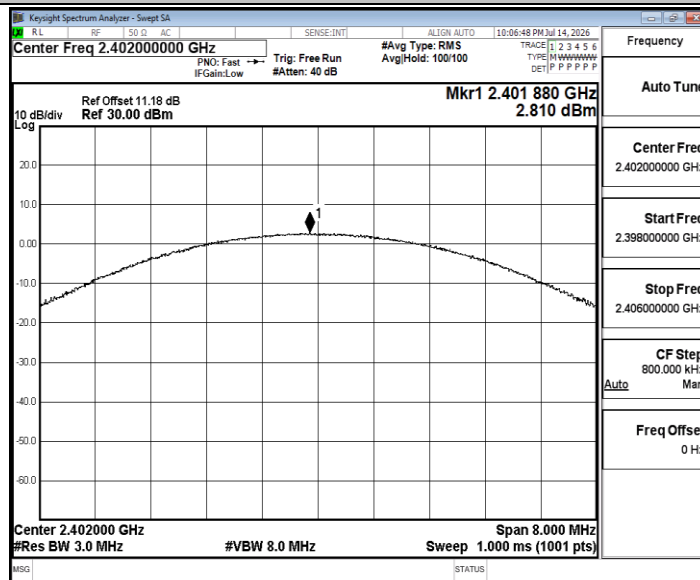
2DH5_Ant1_2441



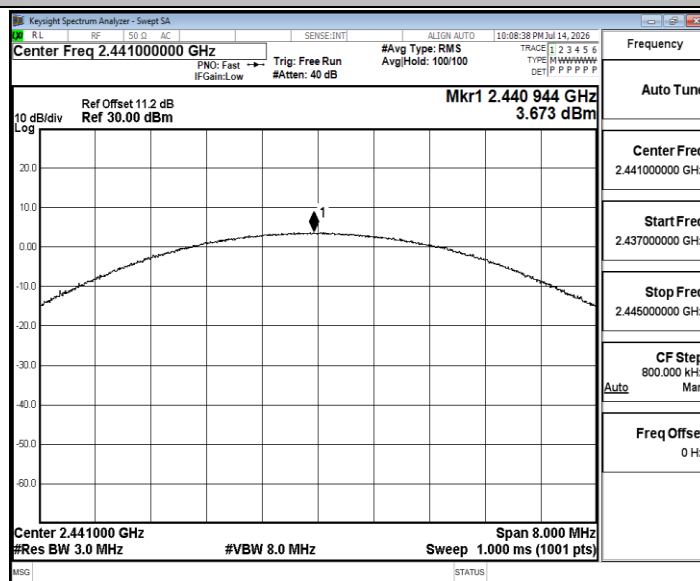
2DH5_Ant1_2480



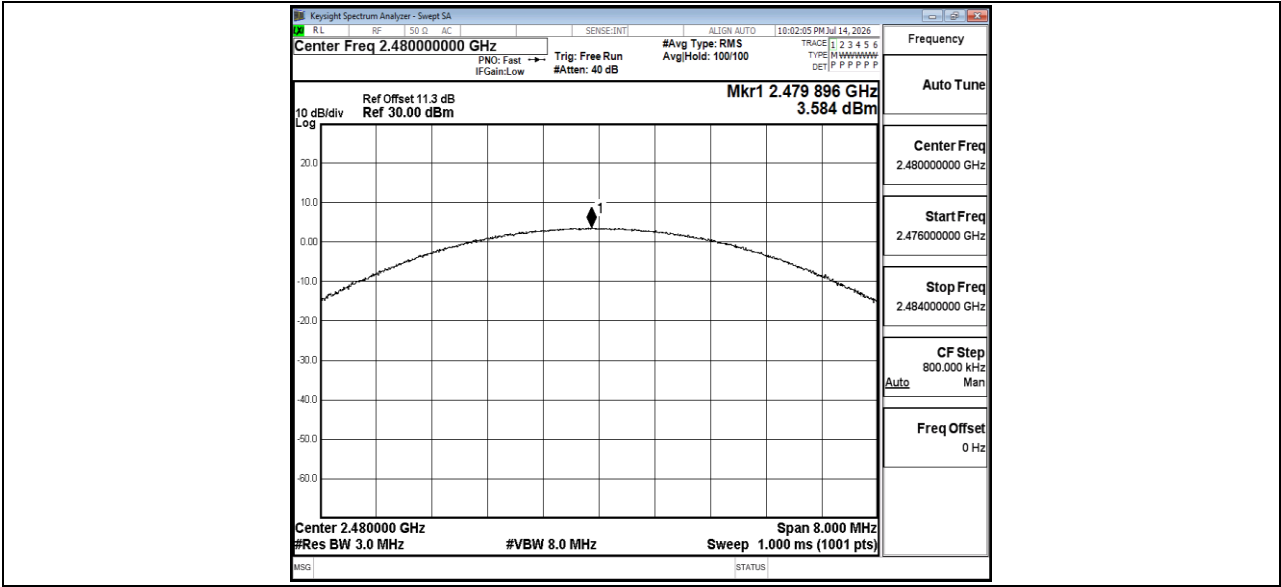
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



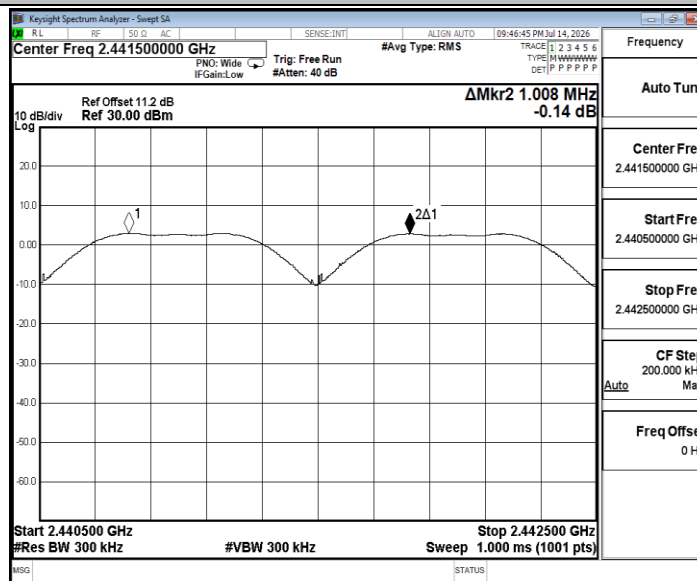
A.3 Carrier frequency separation

Test Result

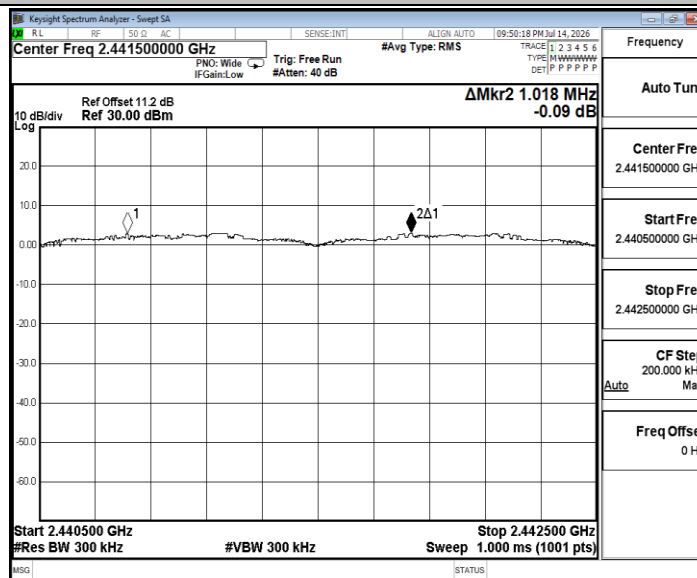
TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	0.642	PASS
2DH5	Ant1	Hop	1.018	0.862	PASS
3DH5	Ant1	Hop	0.98	0.862	PASS

Test Graphs

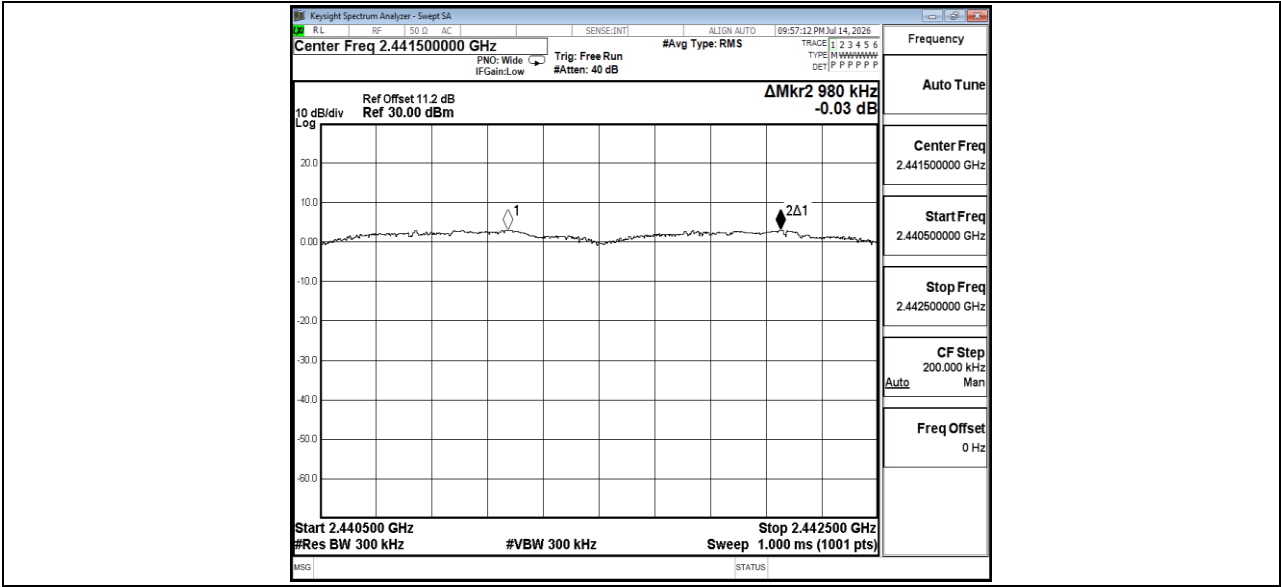
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



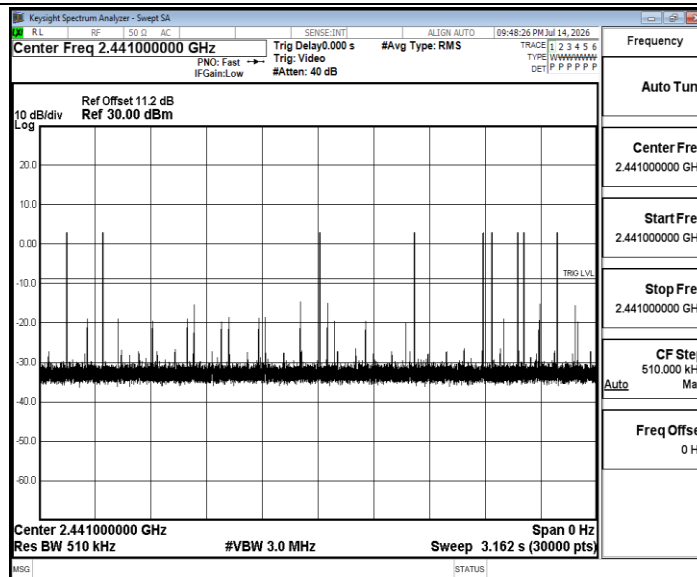
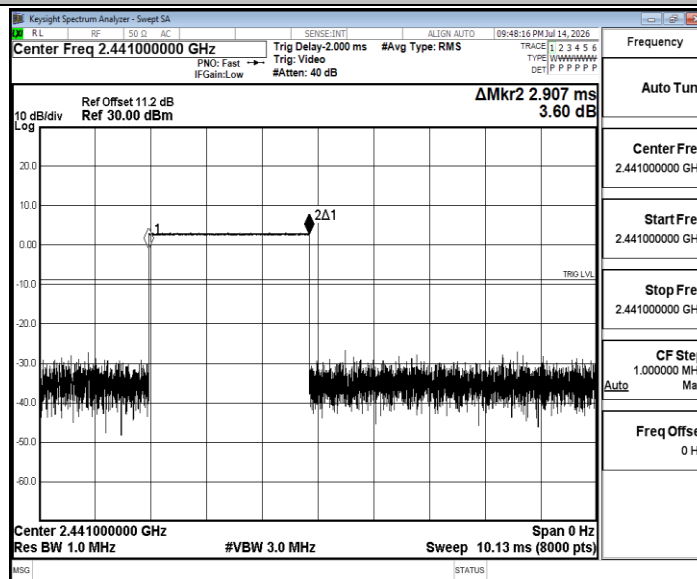
A.4 Time of occupancy

Test Result

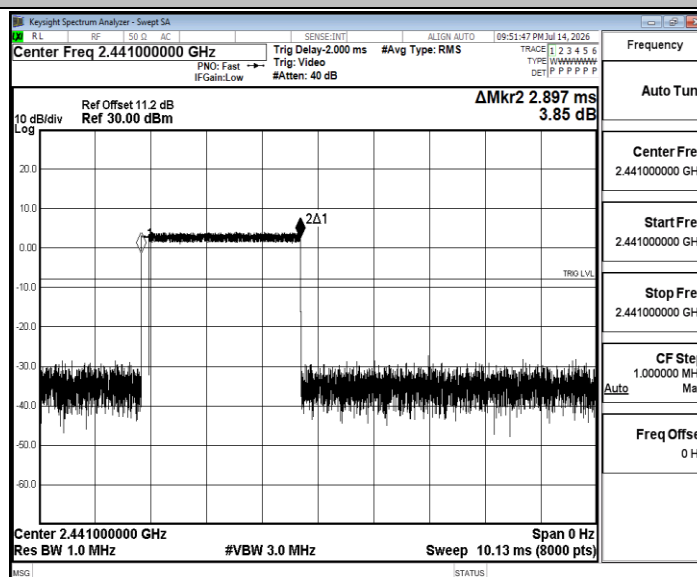
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.897	80	0.232	≤0.4	PASS
3DH5	Ant1	Hop	2.896	110	0.319	≤0.4	PASS

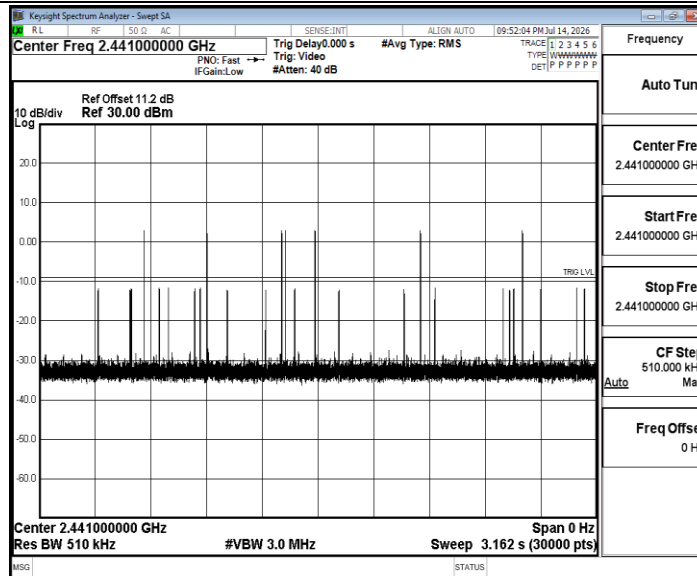
Test Graphs

DH5_Ant1_Hop

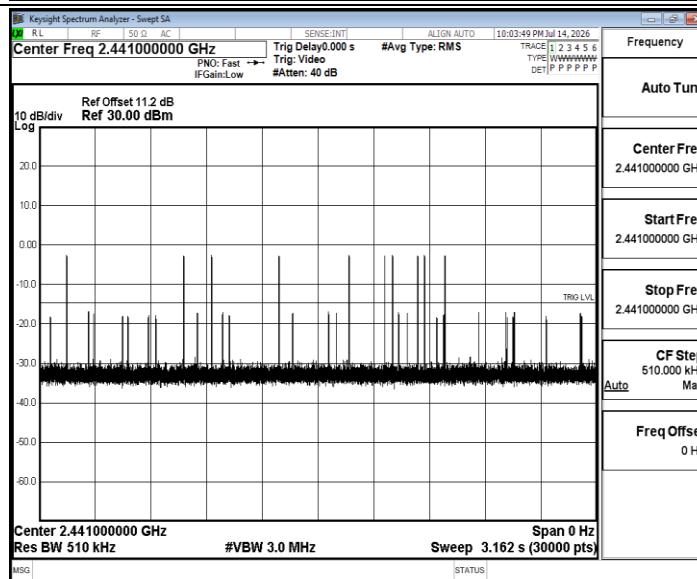
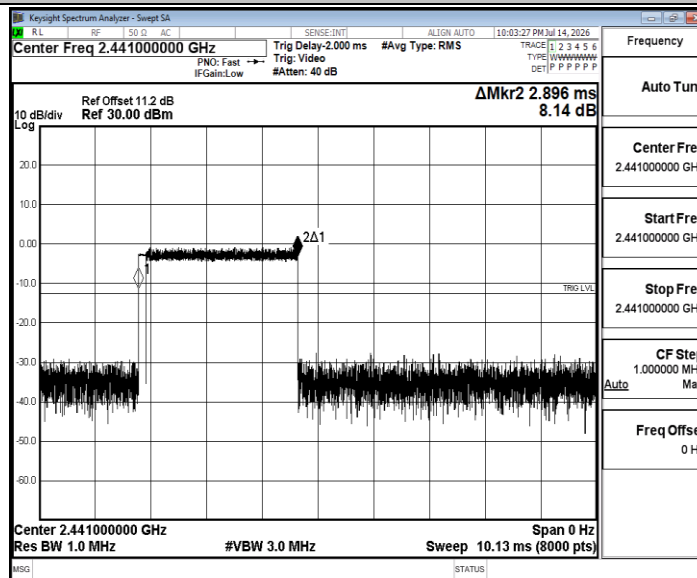


2DH5_Ant1_Hop





3DH5_Ant1_Hop



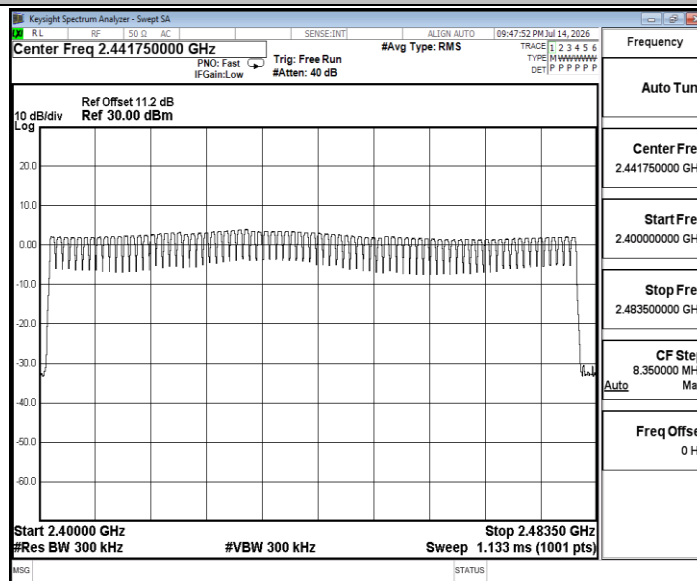
A.5 Number of hopping channels

Test Result

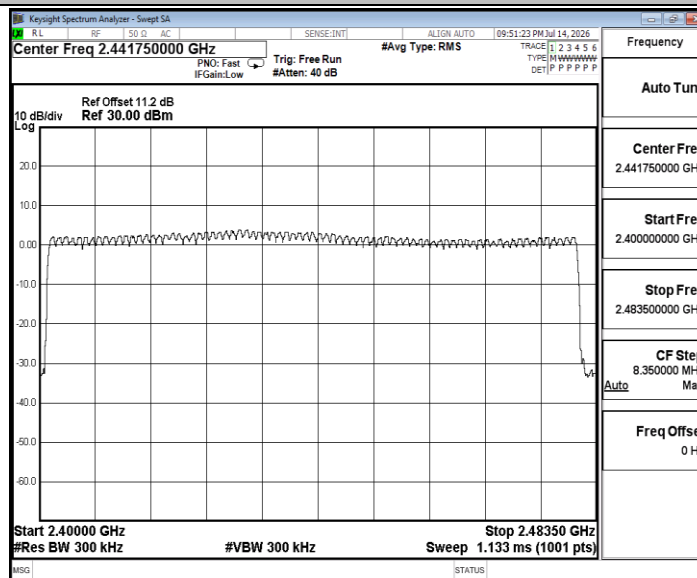
TestMode	Antenna	Freq (MHz)	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

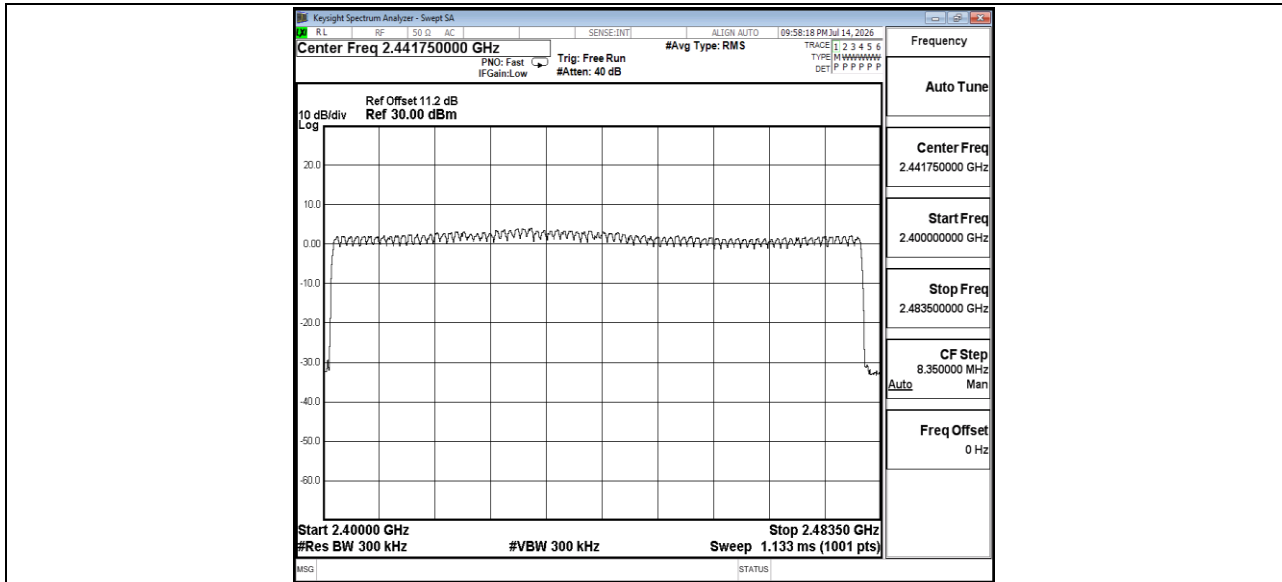
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



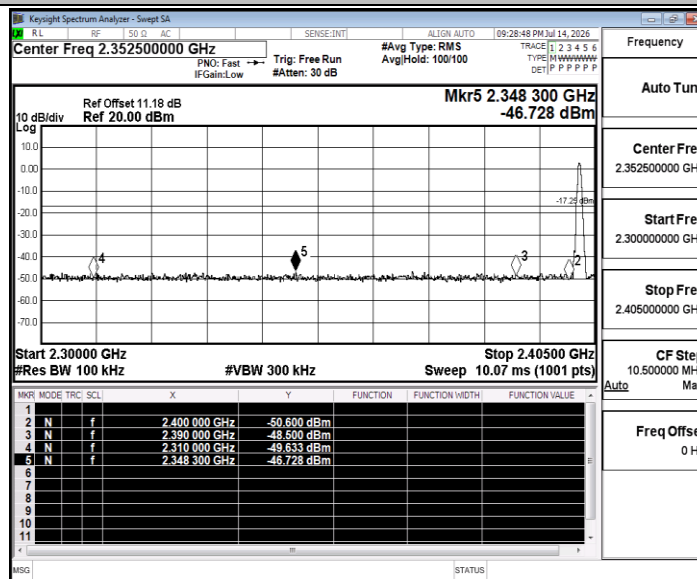
A.6 Band edge measurements

Test Result

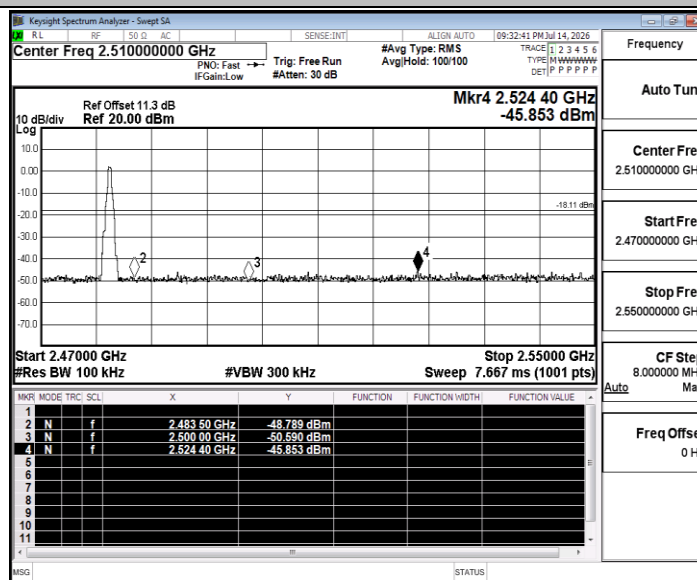
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.75	-46.73	≤ -17.25	PASS
		High	2480	1.89	-45.85	≤ -18.11	PASS
		Low	Hop_2402	0.80	-46.93	≤ -19.2	PASS
		High	Hop_2480	0.56	-45.73	≤ -19.44	PASS
2DH5	Ant1	Low	2402	1.14	-46.58	≤ -18.86	PASS
		High	2480	1.67	-46.16	≤ -18.33	PASS
		Low	Hop_2402	-2.44	-46.24	≤ -22.44	PASS
		High	Hop_2480	-1.93	-45.72	≤ -21.93	PASS
3DH5	Ant1	Low	2402	1.17	-45.61	≤ -18.83	PASS
		High	2480	1.81	-45.41	≤ -18.19	PASS
		Low	Hop_2402	-0.66	-46.85	≤ -20.66	PASS
		High	Hop_2480	-0.95	-44.85	≤ -20.95	PASS

Test Graphs

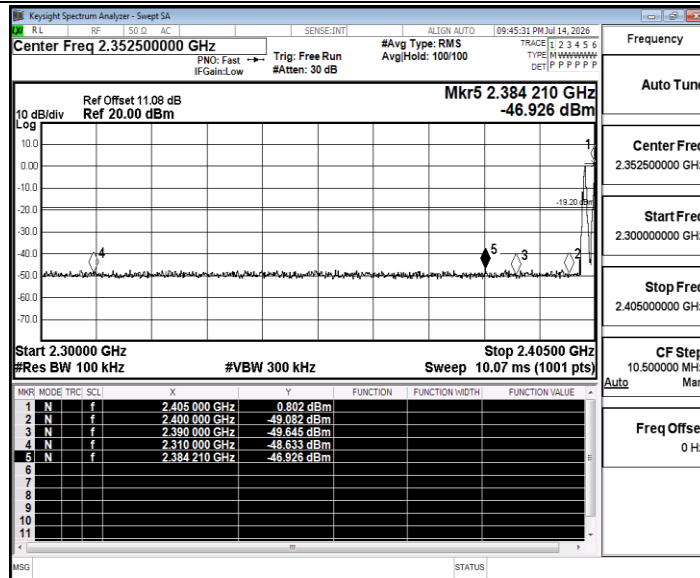
DH5_Ant1_Low_2402



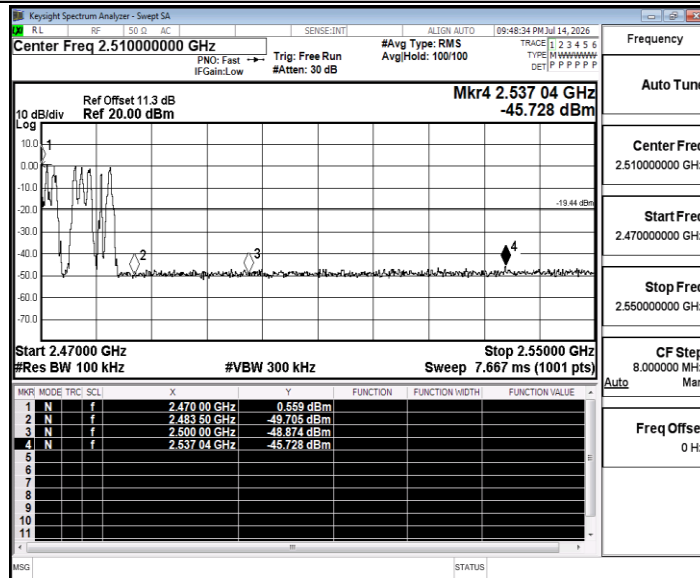
DH5_Ant1_High_2480



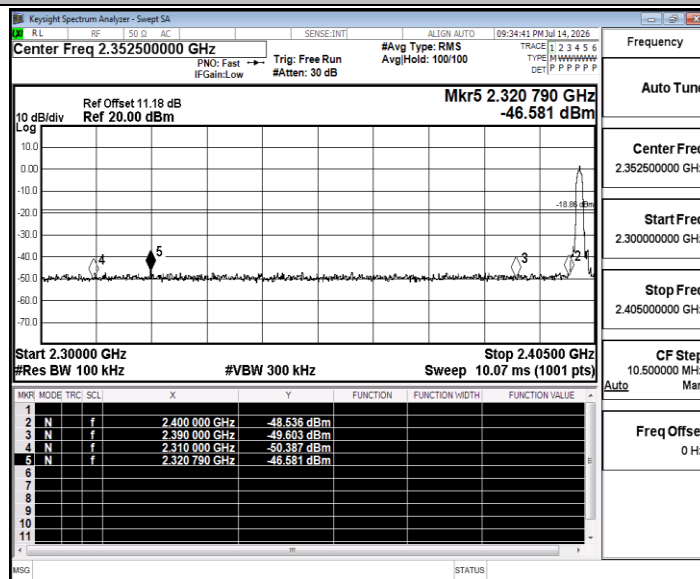
DH5_Ant1_Low_Hop_2402



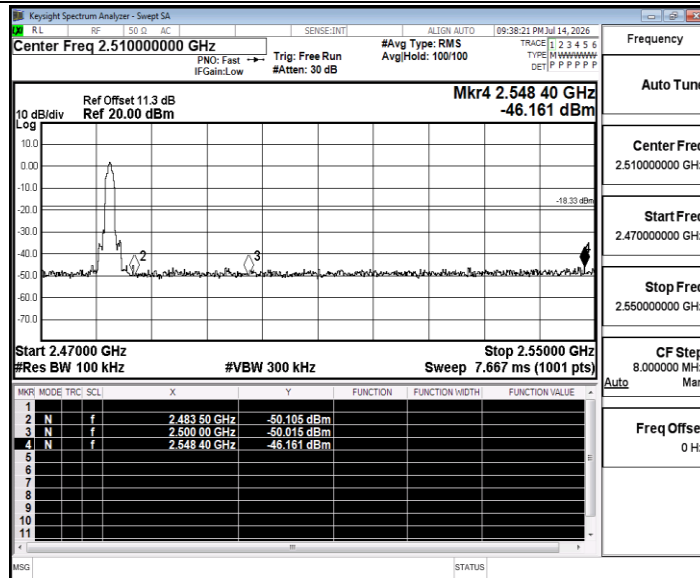
DH5_Ant1_High_Hop_2480



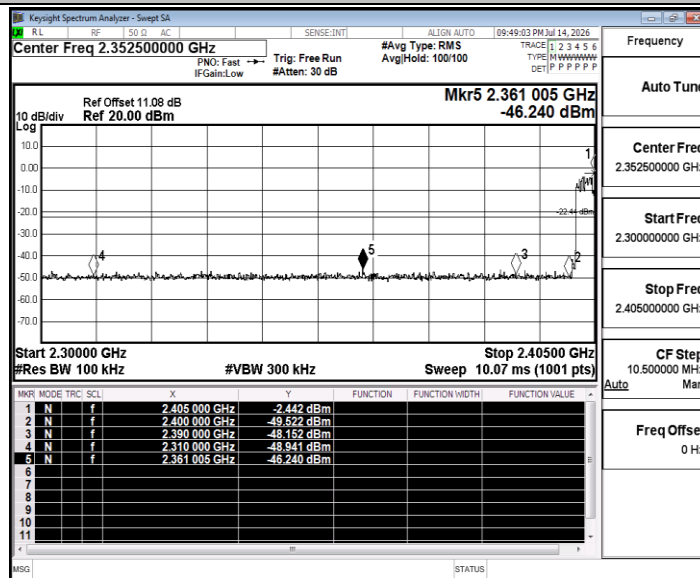
2DH5_Ant1_Low_2402



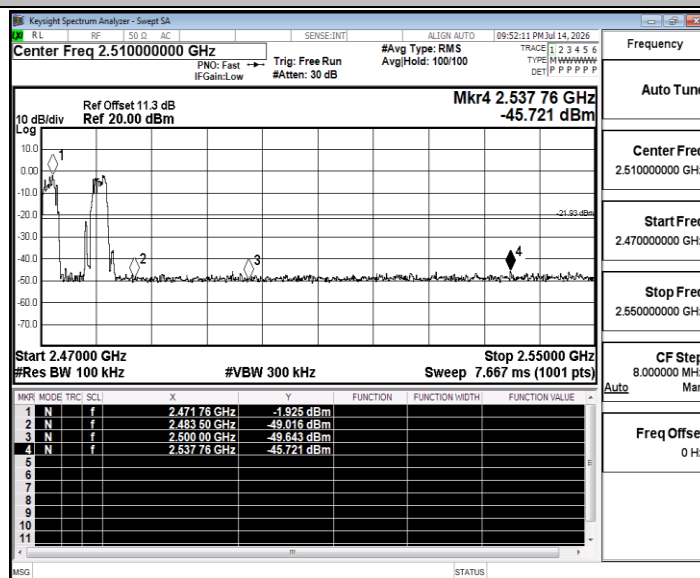
2DH5_Ant1_High_2480



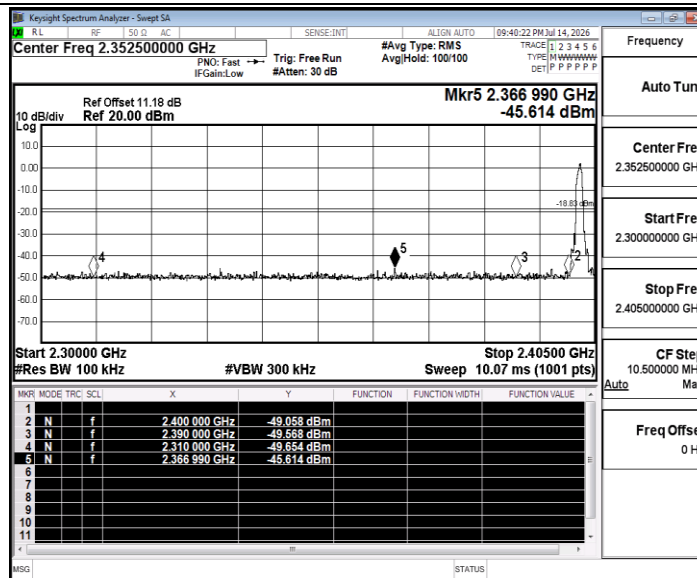
2DH5_Ant1_Low_Hop_2402



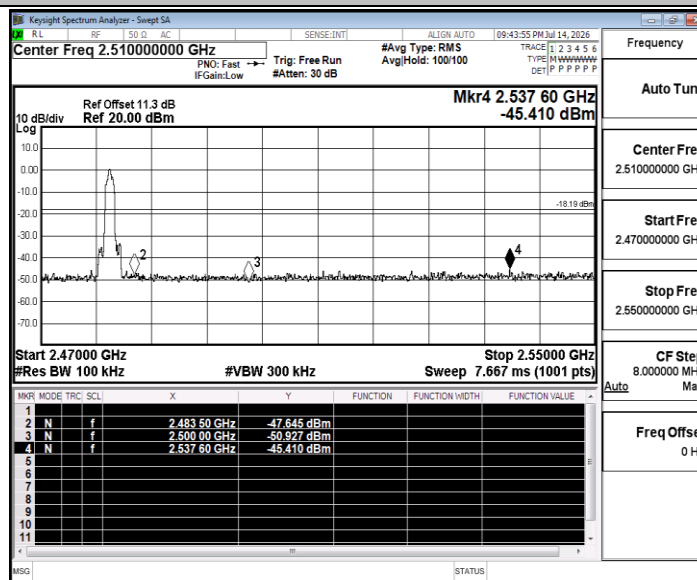
2DH5_Ant1_High_Hop_2480



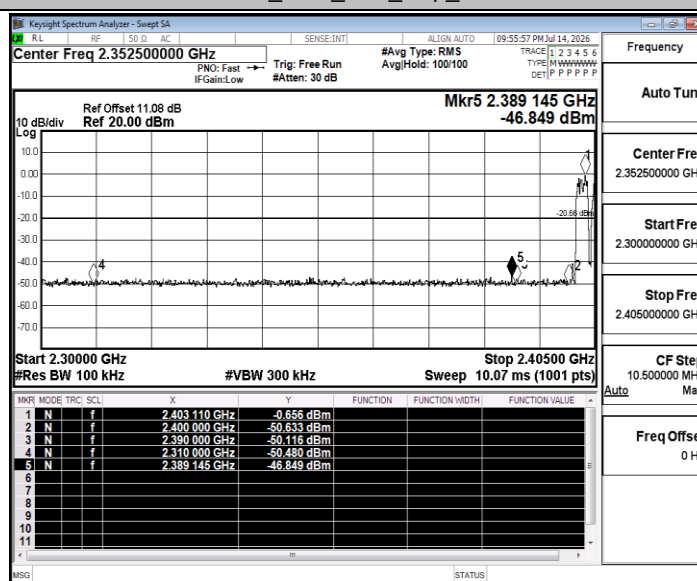
3DH5_Ant1_Low_2402



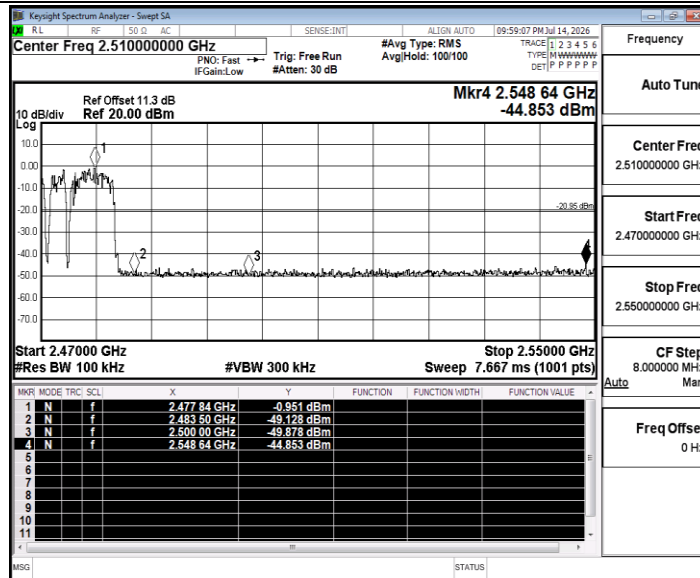
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



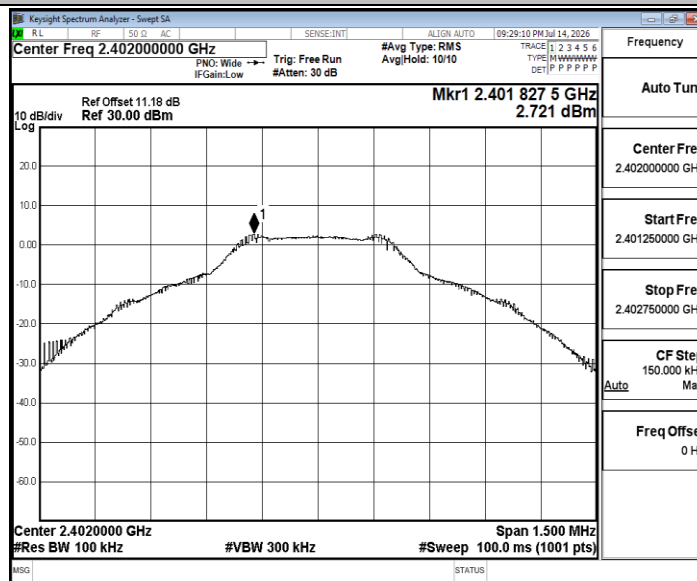
A.7 Conducted Spurious Emission

Test Result

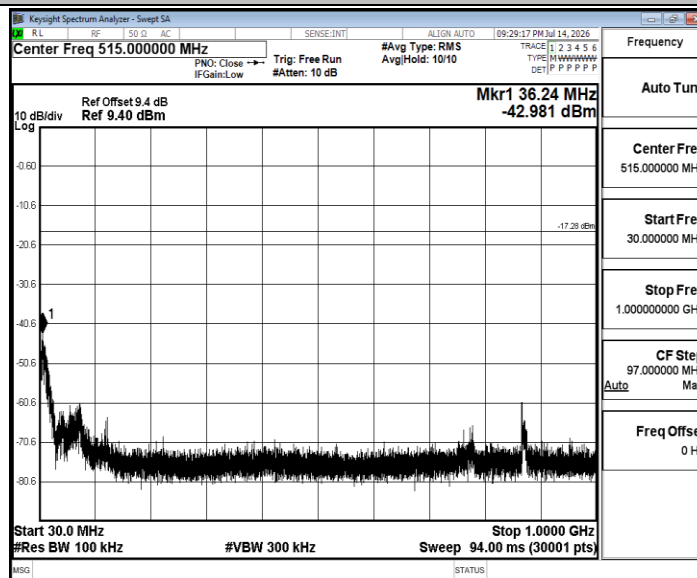
TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-42.98	≤-17.28	PASS
			1000~26500	2.72	-44.55	≤-17.28	PASS
		2441	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-43.28	≤-17.12	PASS
			1000~26500	2.88	-44.57	≤-17.12	PASS
		2480	Reference	1.87	1.87	---	PASS
			30~1000	1.87	-42.57	≤-18.13	PASS
			1000~26500	1.87	-45.11	≤-18.13	PASS
2DH5	Ant1	2402	Reference	1.80	1.80	---	PASS
			30~1000	1.80	-61.31	≤-18.2	PASS
			1000~26500	1.80	-45.07	≤-18.2	PASS
		2441	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-59.67	≤-17.2	PASS
			1000~26500	2.80	-44.63	≤-17.2	PASS
		2480	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-63.57	≤-18.17	PASS
			1000~26500	1.83	-44.4	≤-18.17	PASS
3DH5	Ant1	2402	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-60.26	≤-18.02	PASS
			1000~26500	1.98	-43.9	≤-18.02	PASS
		2441	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-60.44	≤-17.01	PASS
			1000~26500	2.99	-44.47	≤-17.01	PASS
		2480	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-64.21	≤-18	PASS
			1000~26500	2.00	-44.11	≤-18	PASS

Test Graphs

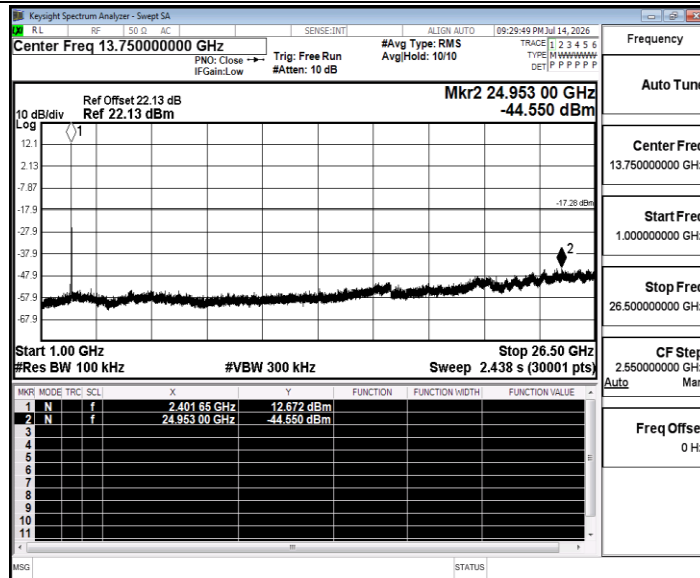
DH5_Ant1_2402_0~Reference



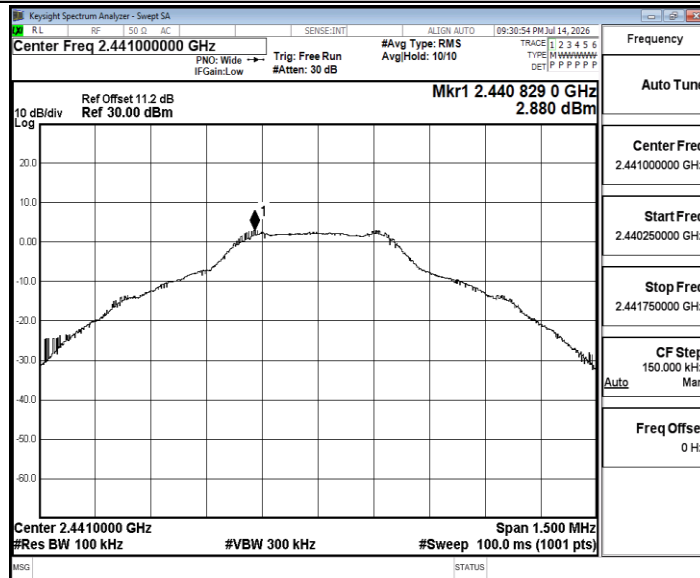
DH5_Ant1_2402_30~1000



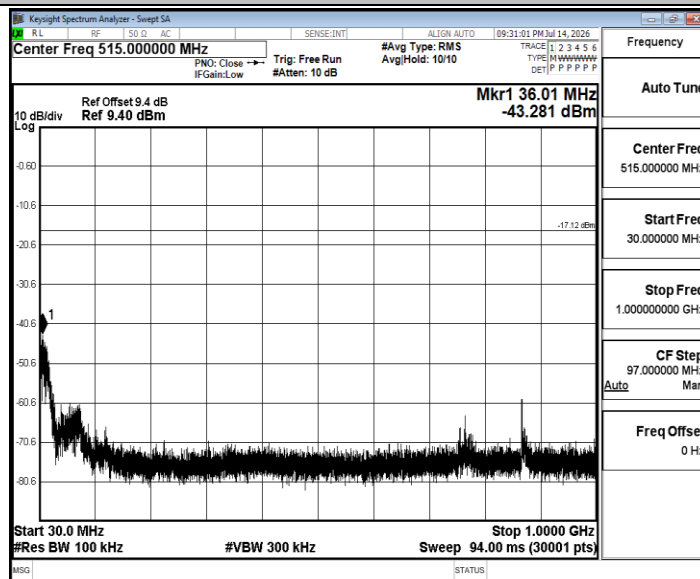
DH5_Ant1_2402_1000~26500



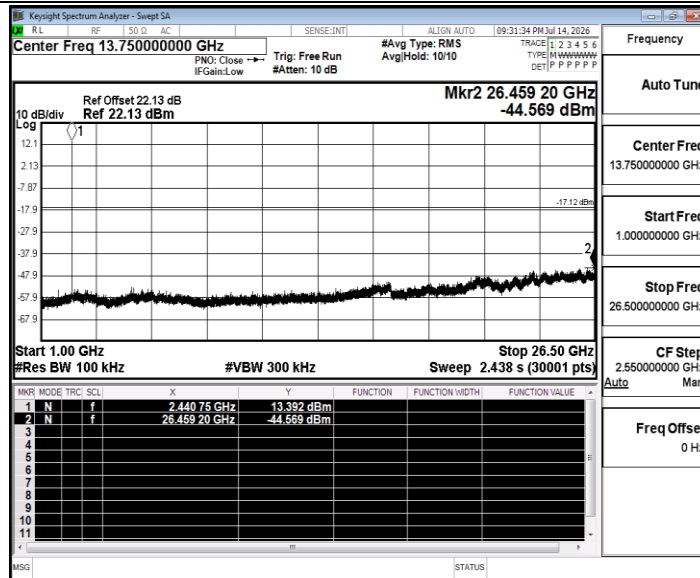
DH5_Ant1_2441_0~Reference



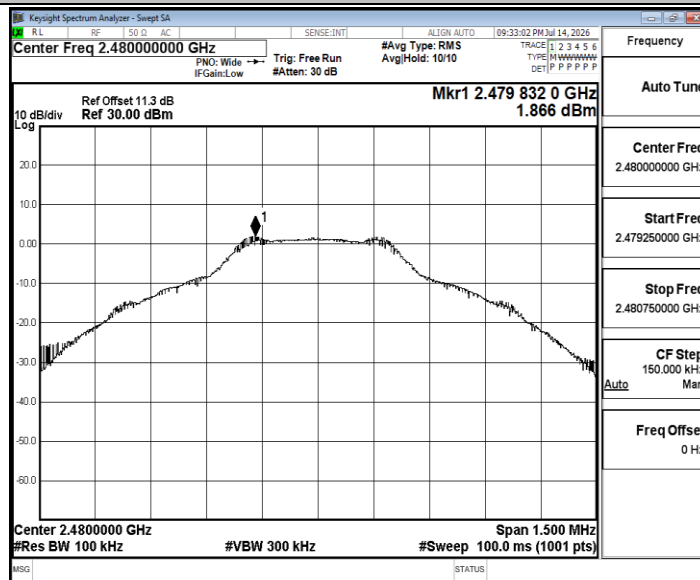
DH5_Ant1_2441_30~1000



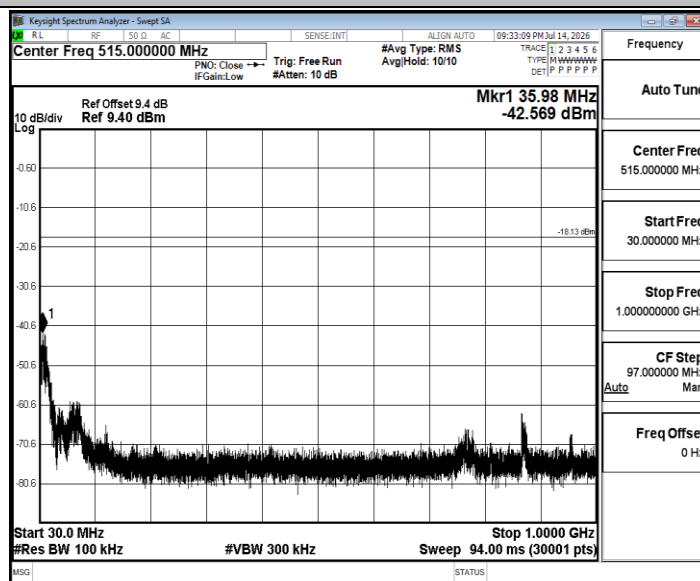
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500