

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless noise cancelling stereo headphones

Test Model: Y8+

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhao xing hai
Supervised by:	Fengliu Tang

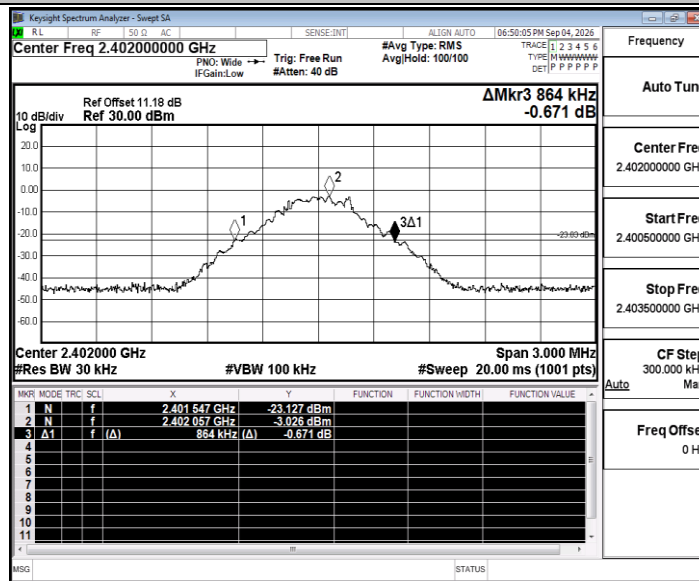
A.1 20dB Emission Bandwidth

Test Result

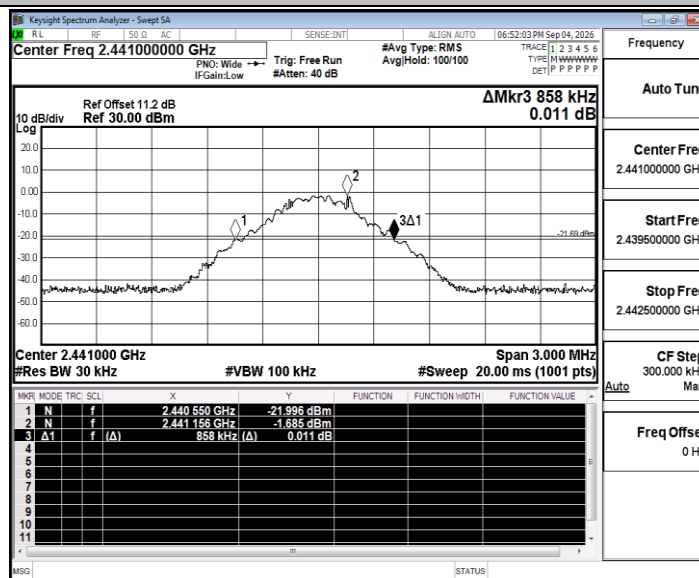
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.864	2401.547	2402.411	---	---
		2441	0.858	2440.550	2441.408	---	---
		2480	0.864	2479.547	2480.411	---	---
2DH5	Ant1	2402	1.260	2401.370	2402.630	---	---
		2441	1.260	2440.370	2441.630	---	---
		2480	1.281	2479.367	2480.648	---	---
3DH5	Ant1	2402	1.257	2401.361	2402.618	---	---
		2441	1.281	2440.355	2441.636	---	---
		2480	1.254	2479.361	2480.615	---	---

Test Graphs

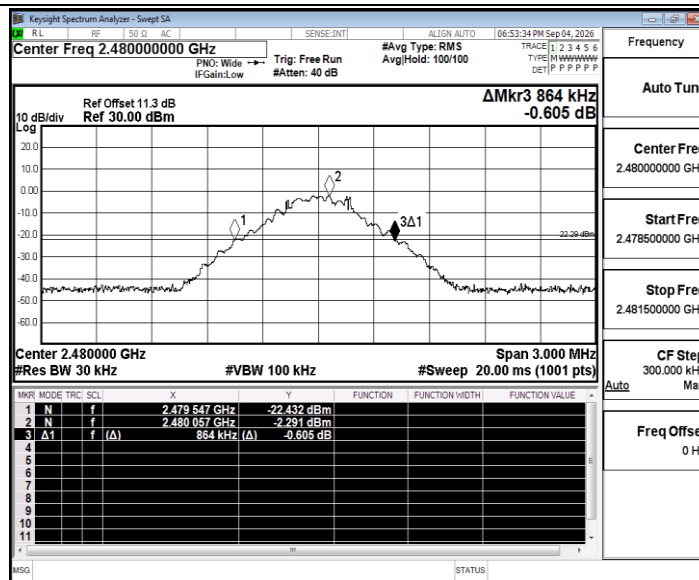
DH5_Ant1_2402



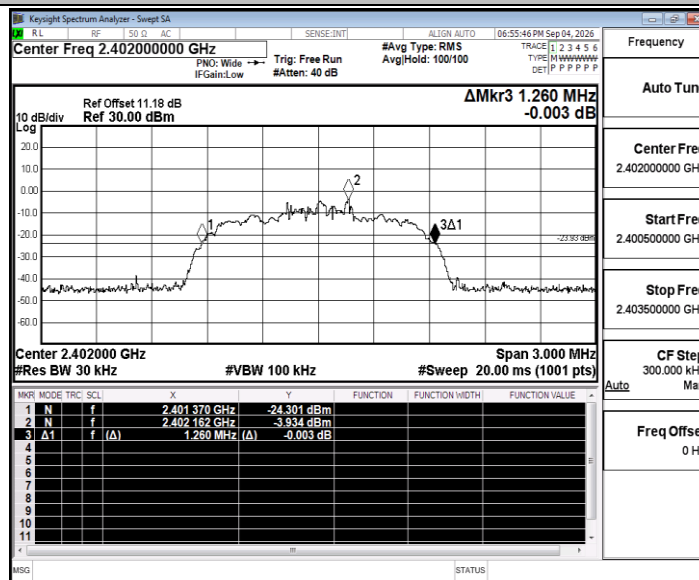
DH5_Ant1_2441



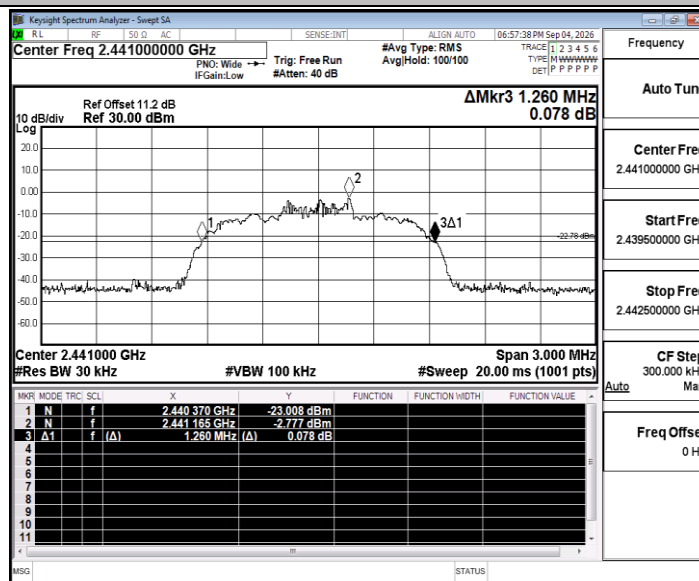
DH5_Ant1_2480



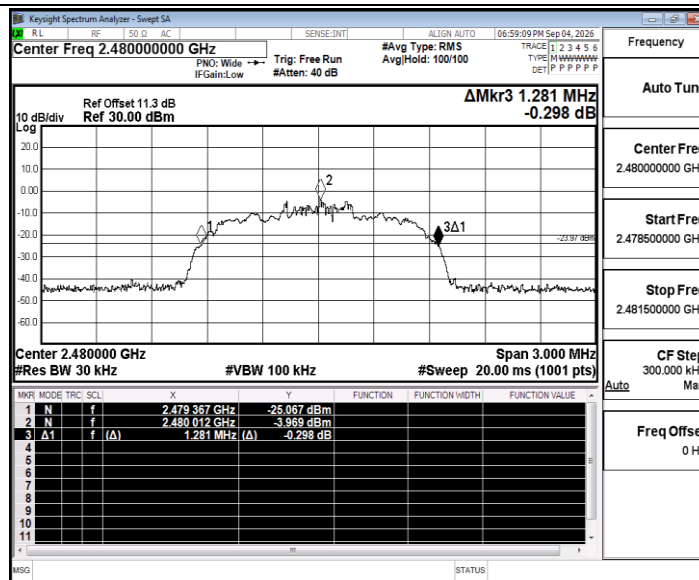
2DH5_Ant1_2402



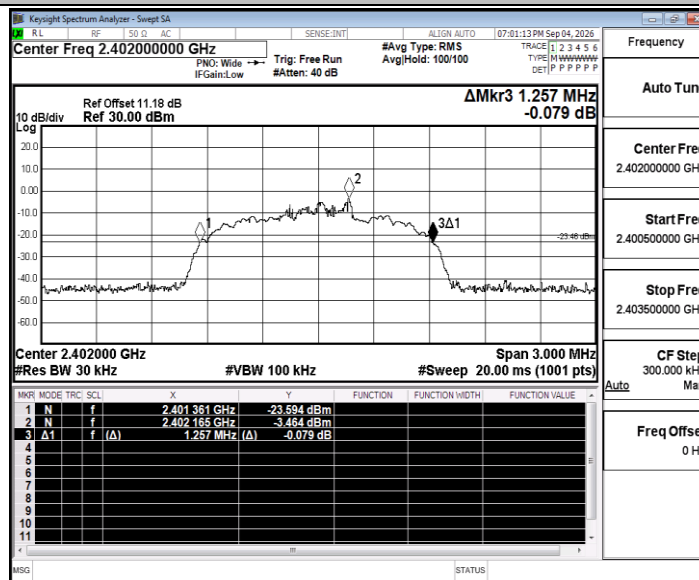
2DH5_Ant1_2441



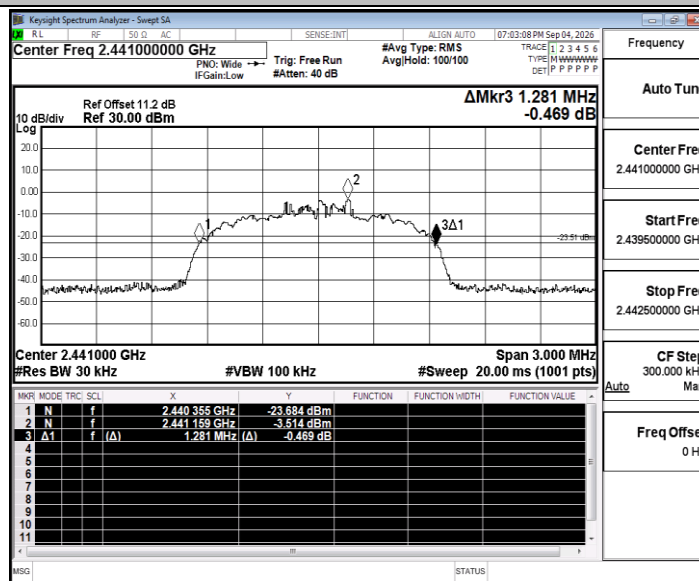
2DH5_Ant1_2480



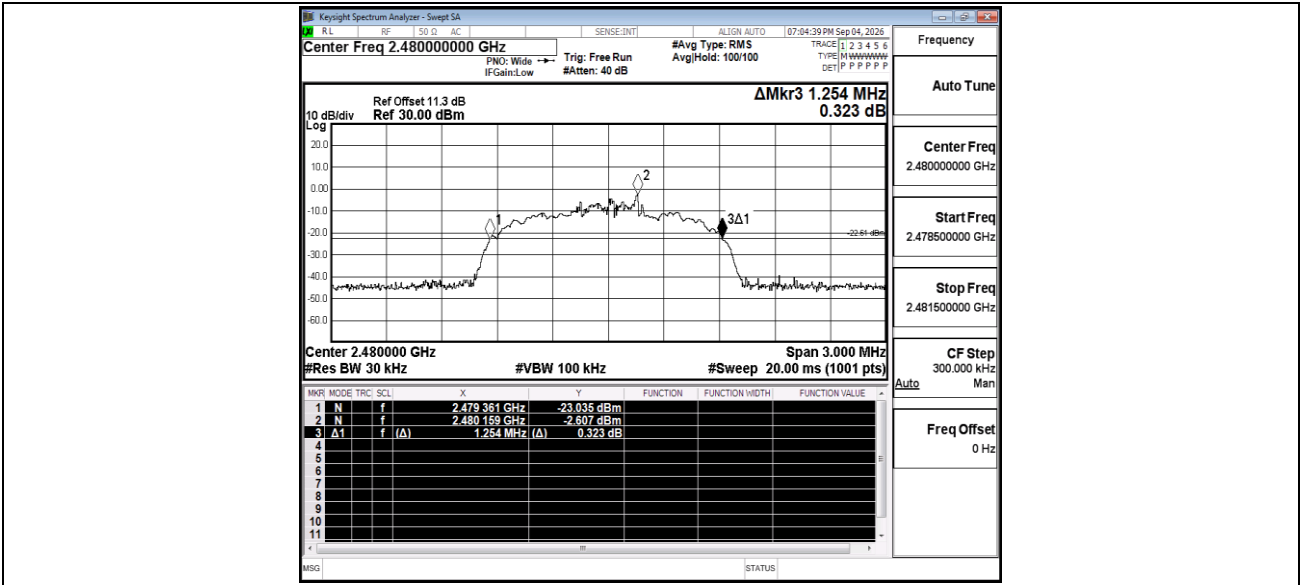
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



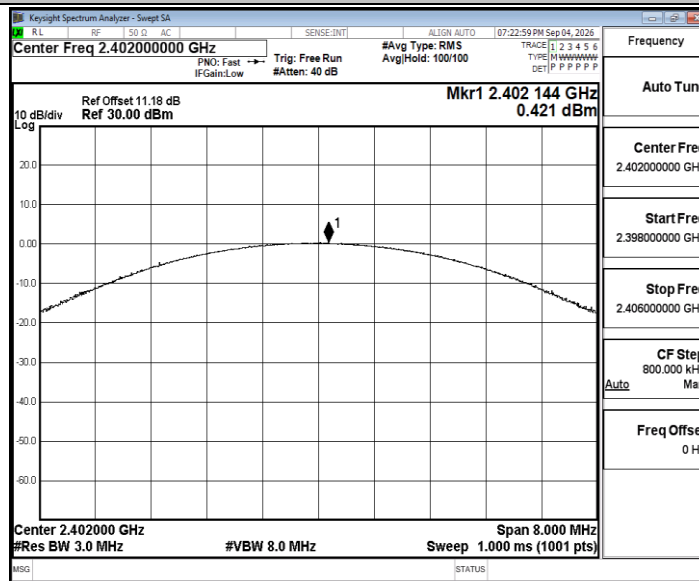
A.2 Maximum Peak conducted output power

Test Result Peak

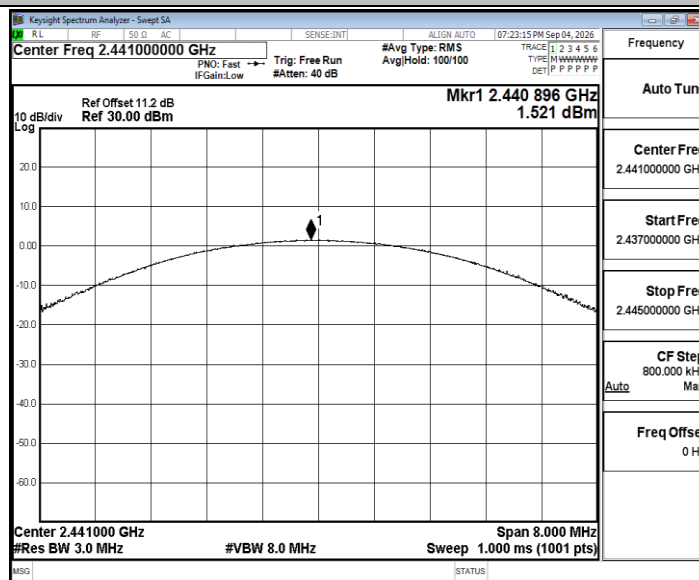
TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.42	≤30	PASS
		2441	1.52	≤30	PASS
		2480	1.11	≤30	PASS
2DH5	Ant1	2402	-0.33	≤20.97	PASS
		2441	0.80	≤20.97	PASS
		2480	0.33	≤20.97	PASS
3DH5	Ant1	2402	-0.32	≤20.97	PASS
		2441	0.95	≤20.97	PASS
		2480	0.48	≤20.97	PASS

Test Graphs

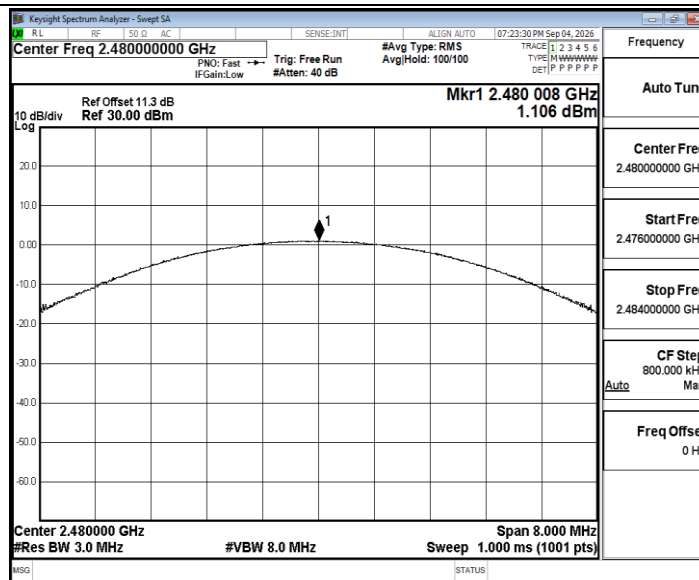
DH5_Ant1_2402



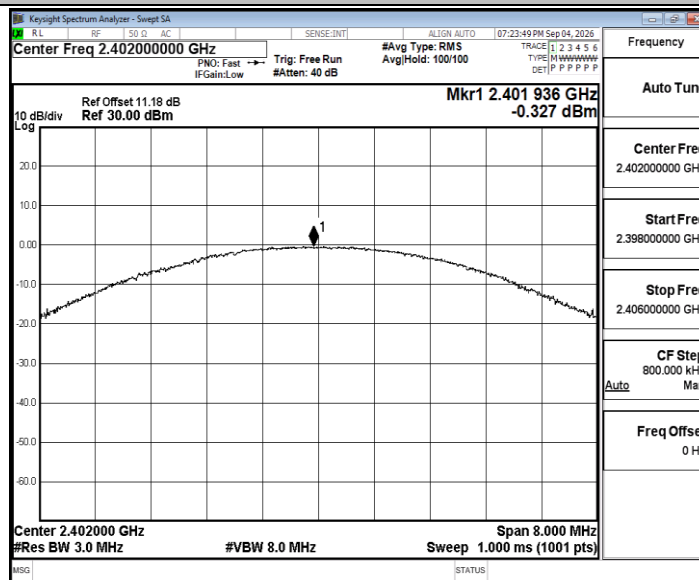
DH5_Ant1_2441



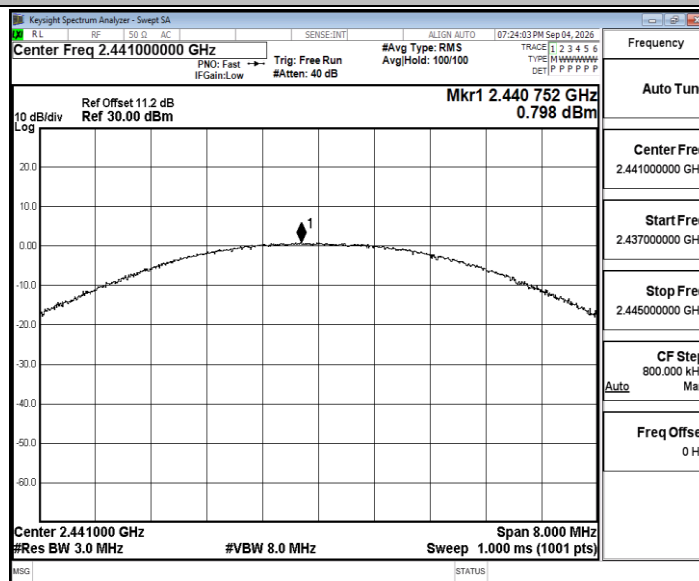
DH5_Ant1_2480



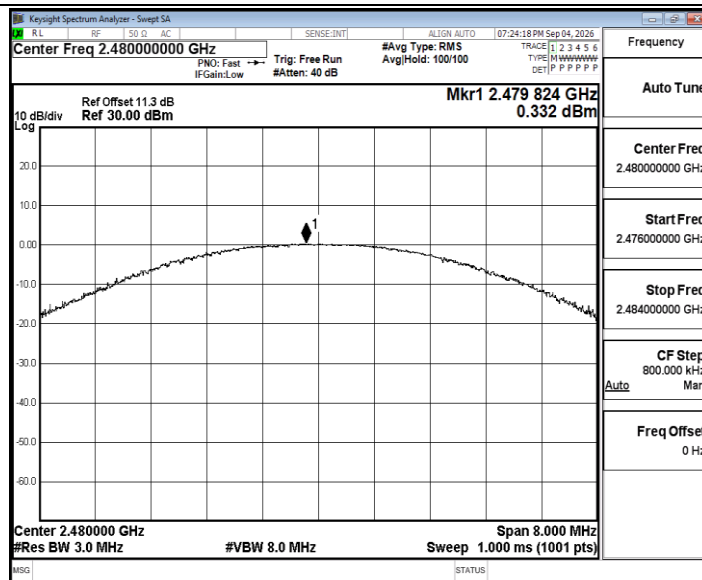
2DH5_Ant1_2402



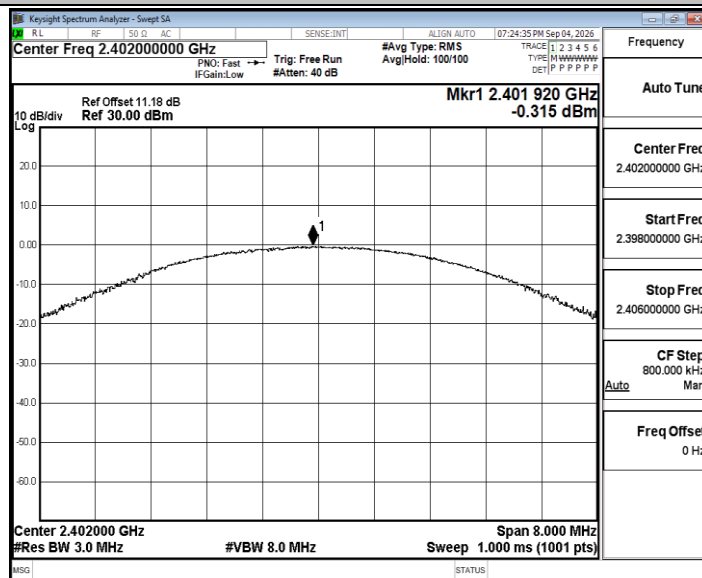
2DH5_Ant1_2441



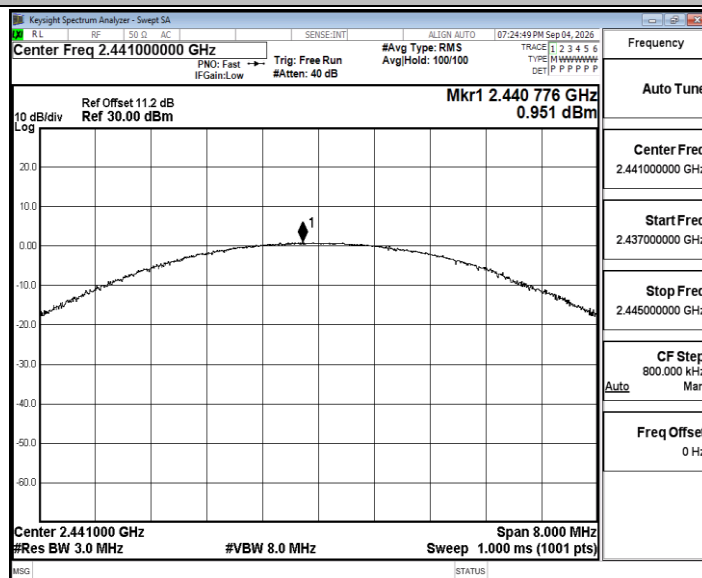
2DH5_Ant1_2480



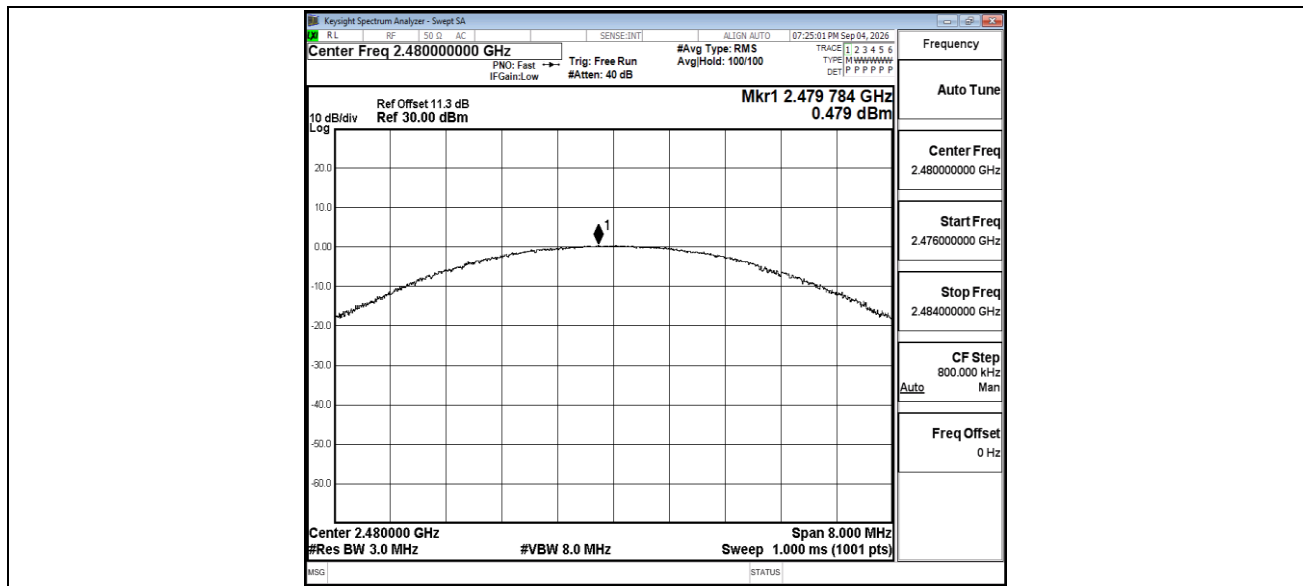
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



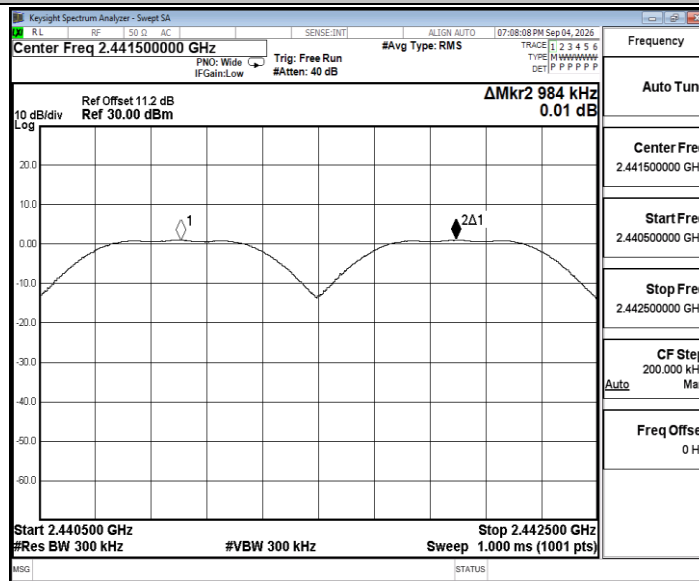
A.3 Carrier frequency separation

Test Result

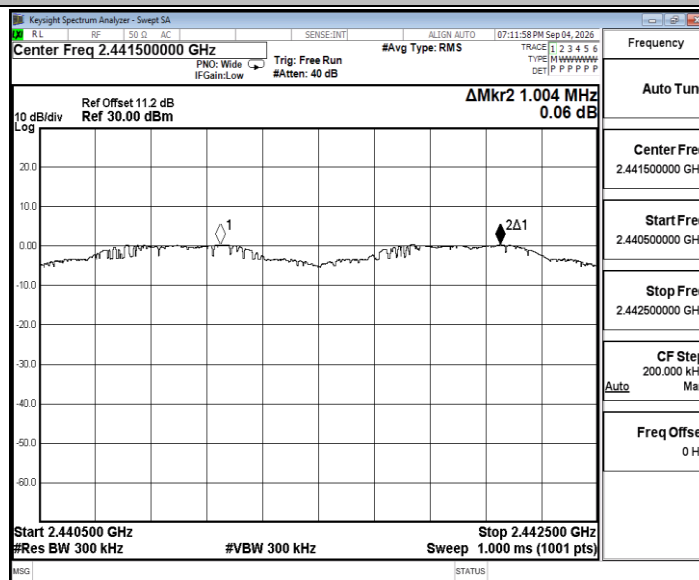
TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.984	≥ 0.576	PASS
2DH5	Ant1	Hop	1.004	≥ 0.854	PASS
3DH5	Ant1	Hop	0.996	≥ 0.854	PASS

Test Graphs

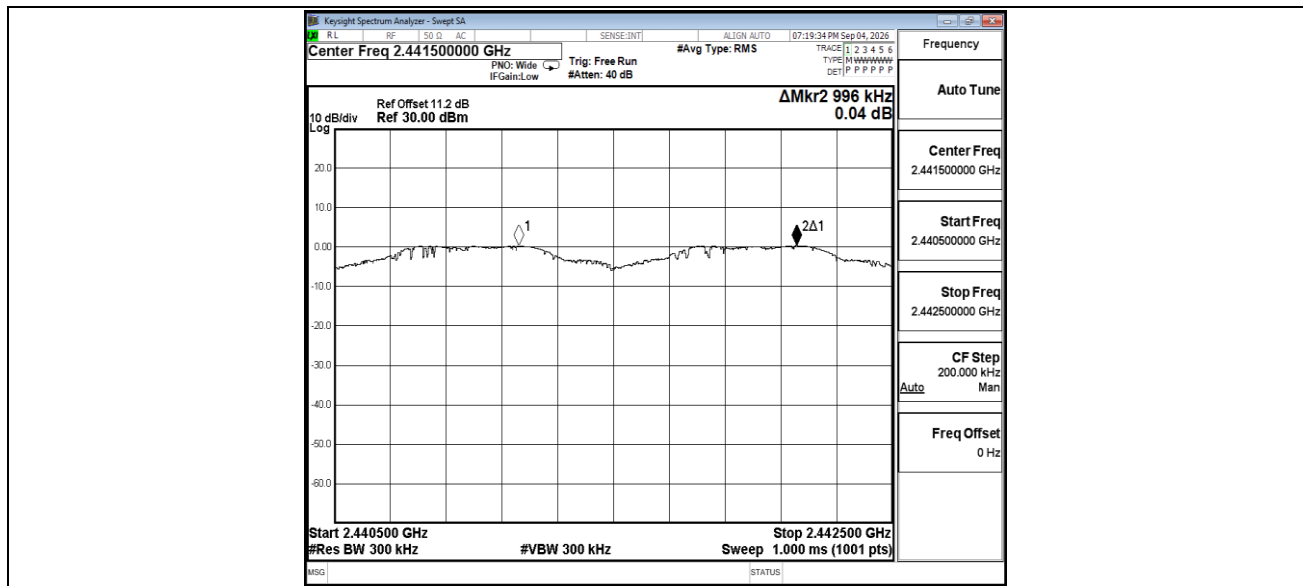
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

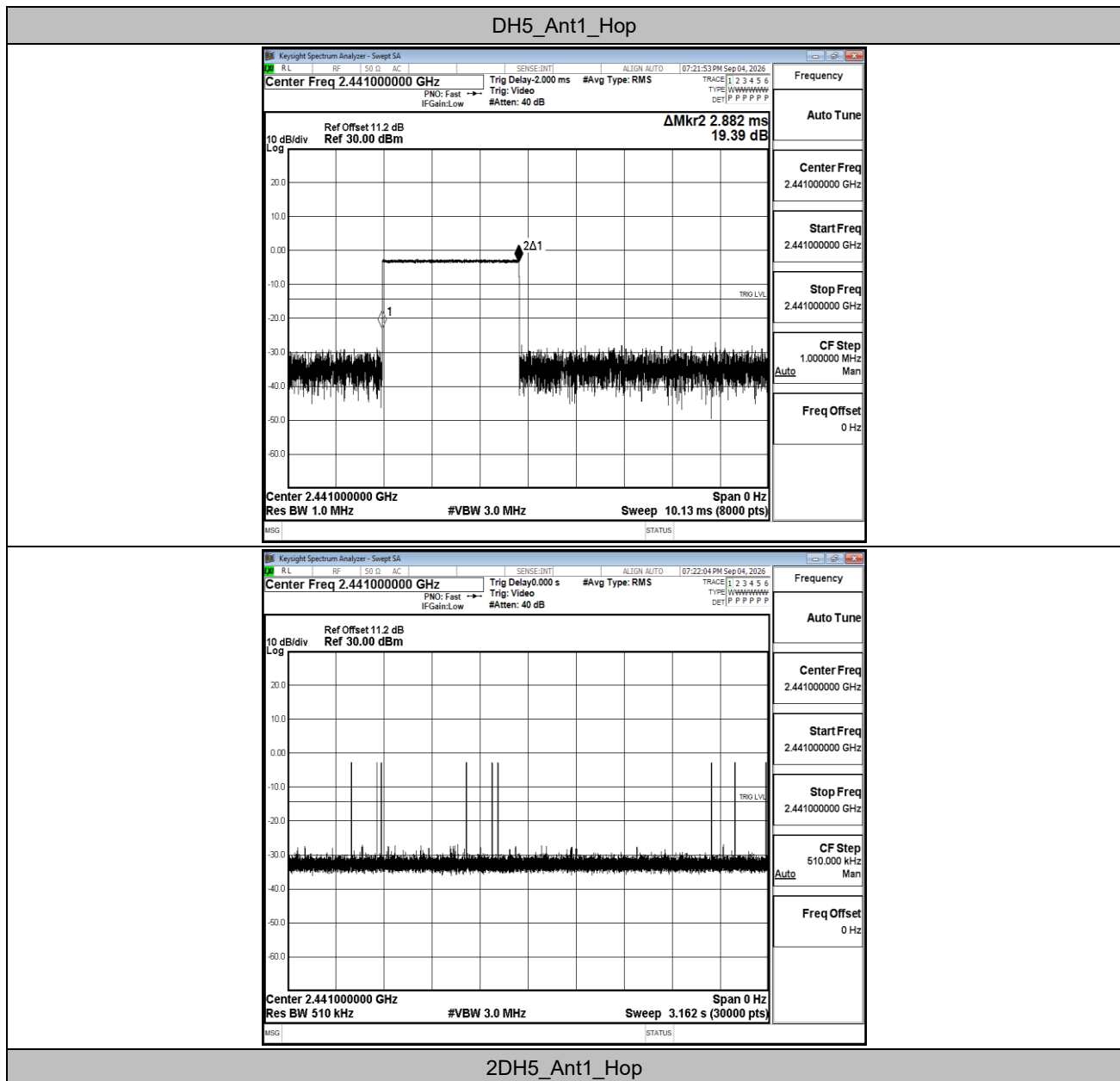


A.4 Time of occupancy

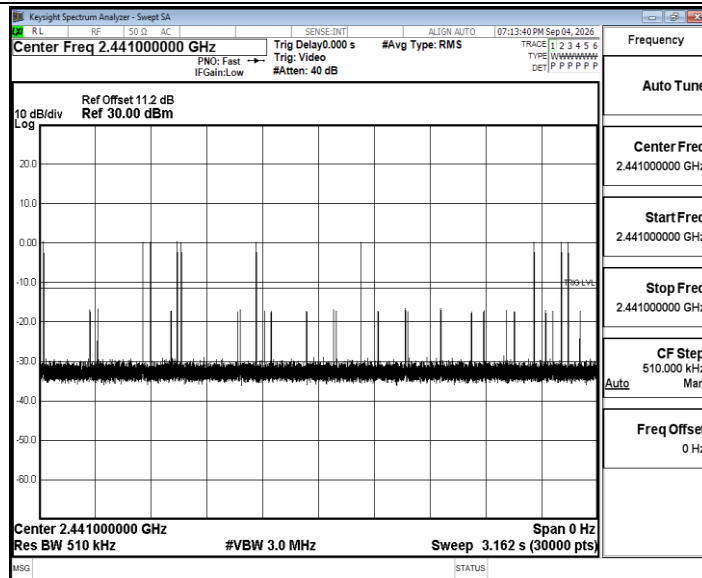
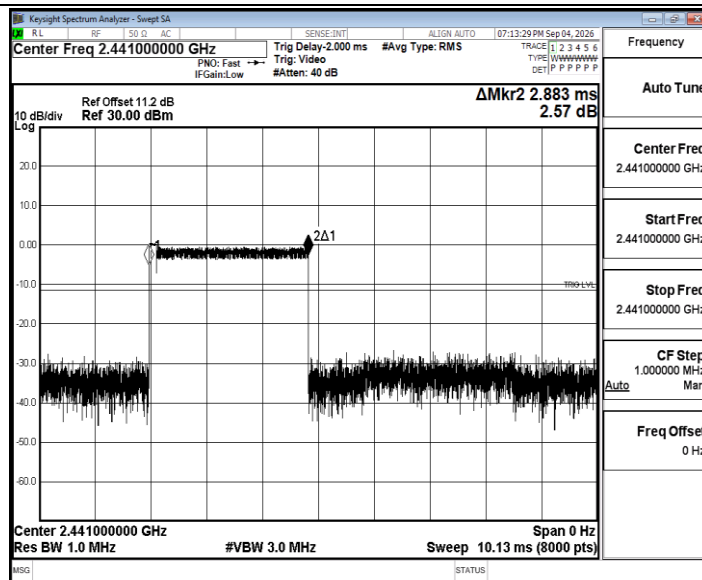
Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.882	100	0.288	≤0.4	PASS
2DH5	Ant1	Hop	2.883	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.887	100	0.289	≤0.4	PASS

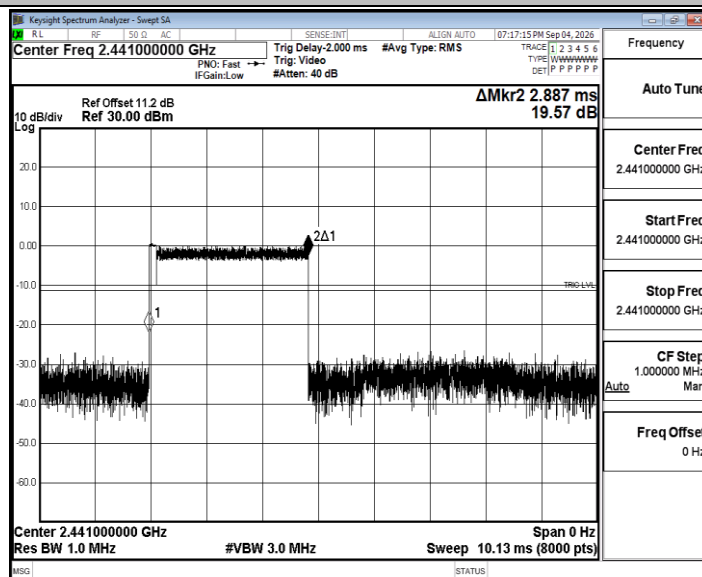
Test Graphs

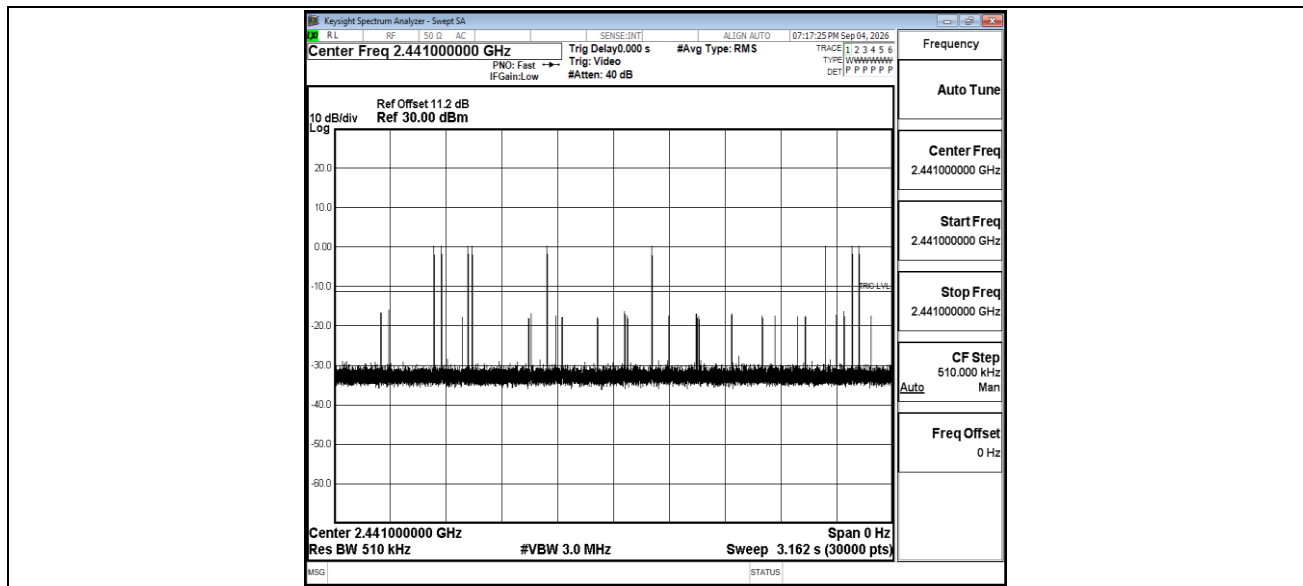


2DH5_Ant1_Hop



3DH5_Ant1_Hop



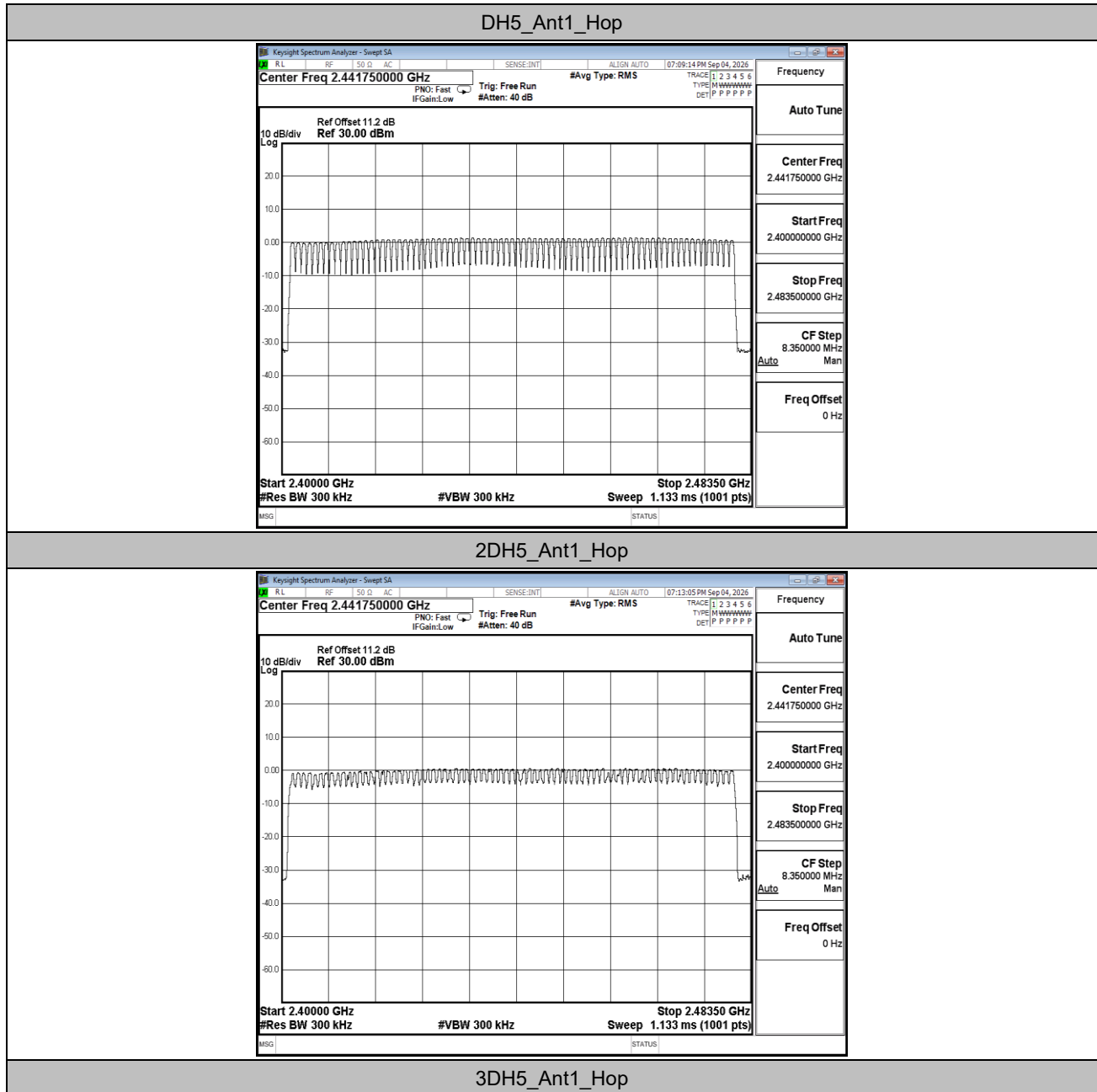


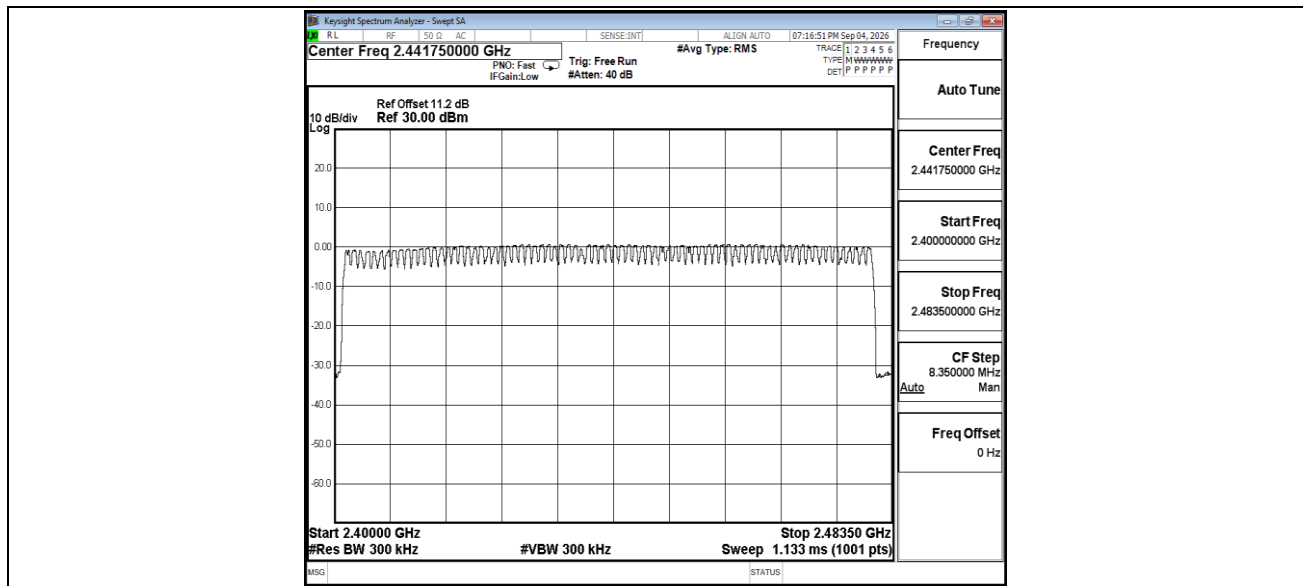
A.5 Number of hopping channels

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





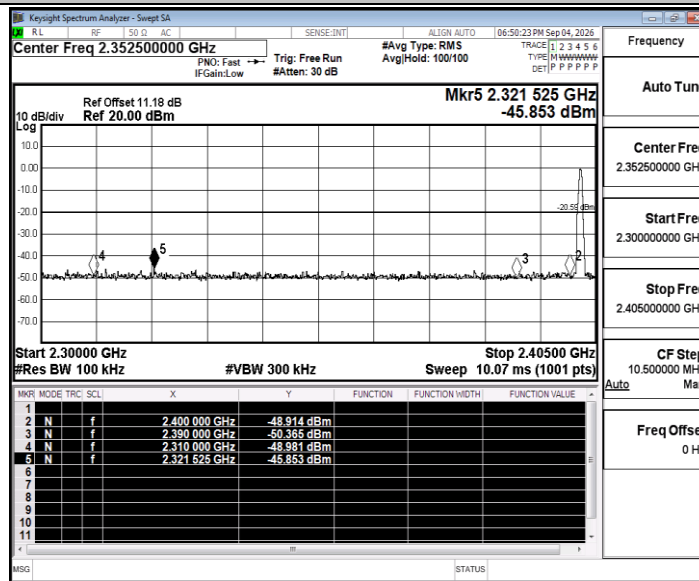
A.6 Band edge measurements

Test Result

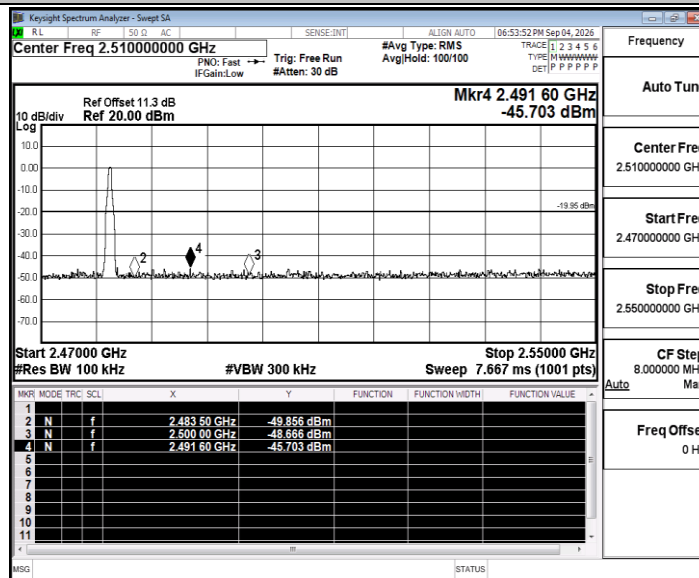
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.59	-45.85	≤ -20.59	PASS
		High	2480	0.05	-45.7	≤ -19.95	PASS
		Low	Hop_2402	-0.83	-46.07	≤ -20.83	PASS
		High	Hop_2480	0.95	-44.84	≤ -19.05	PASS
2DH5	Ant1	Low	2402	-1.14	-45.76	≤ -21.14	PASS
		High	2480	-0.79	-45.97	≤ -20.79	PASS
		Low	Hop_2402	-3.27	-45.48	≤ -23.27	PASS
		High	Hop_2480	-4.78	-44.58	≤ -24.78	PASS
3DH5	Ant1	Low	2402	-1.02	-45.7	≤ -21.02	PASS
		High	2480	-0.52	-44.72	≤ -20.52	PASS
		Low	Hop_2402	-7.01	-45.67	≤ -27.01	PASS
		High	Hop_2480	-0.01	-45.28	≤ -20.01	PASS

Test Graphs

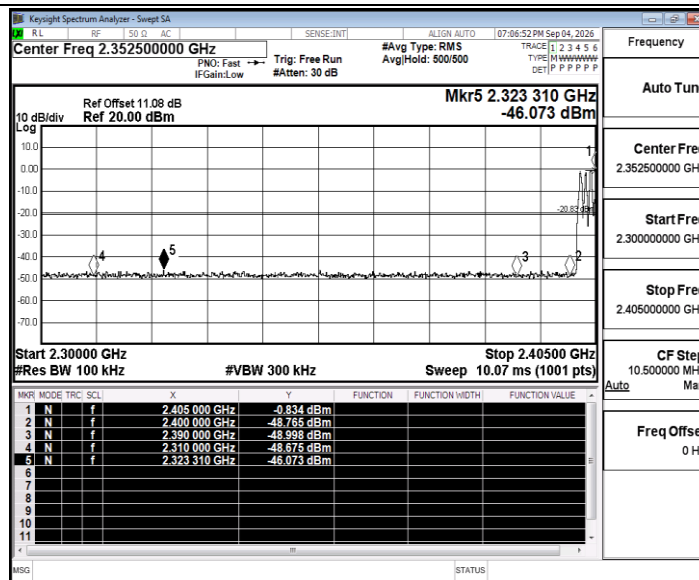
DH5_Ant1_Low_2402



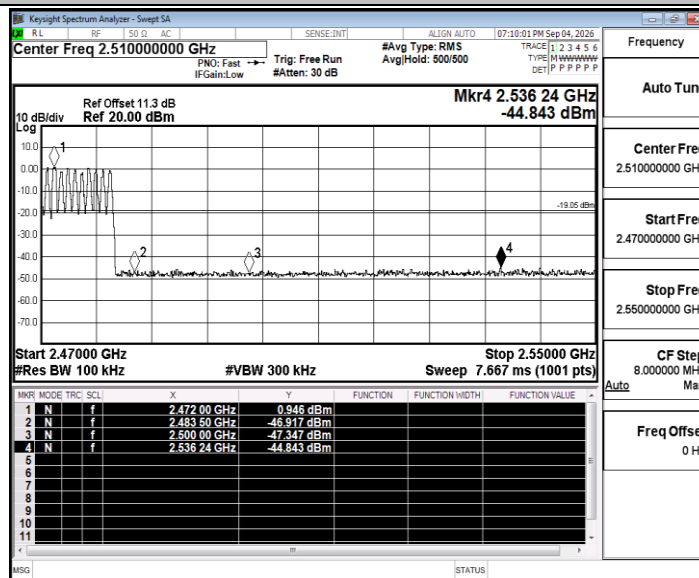
DH5_Ant1_High_2480



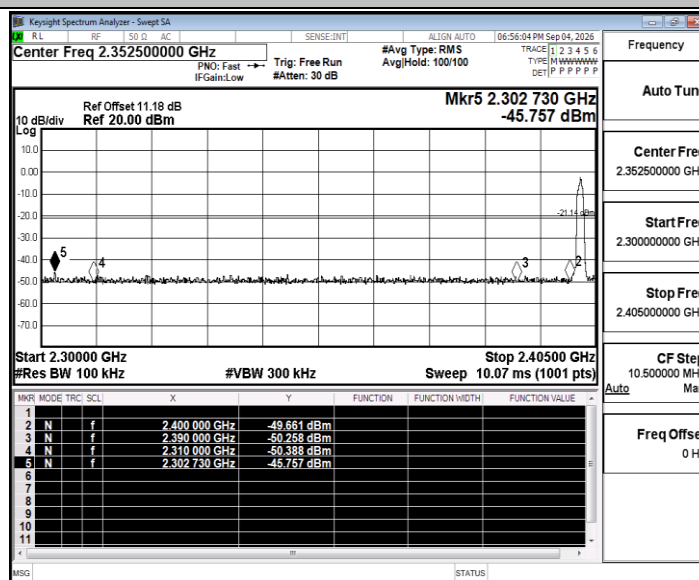
DH5_Ant1_Low_Hop_2402



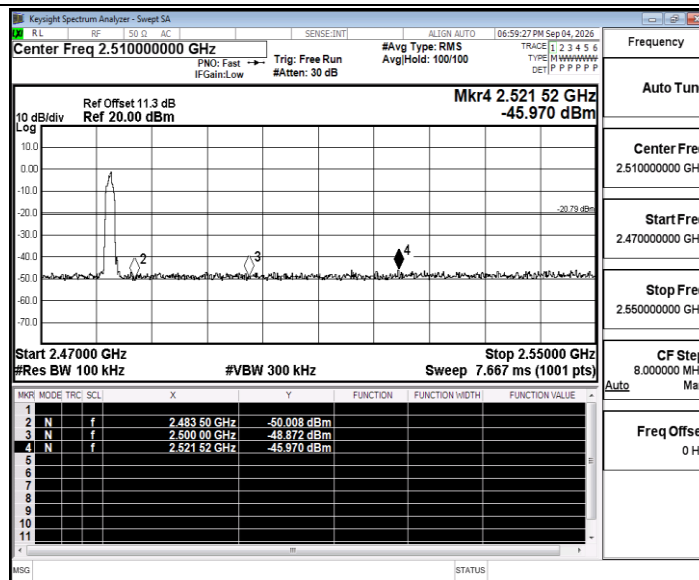
DH5_Ant1_High_Hop_2480



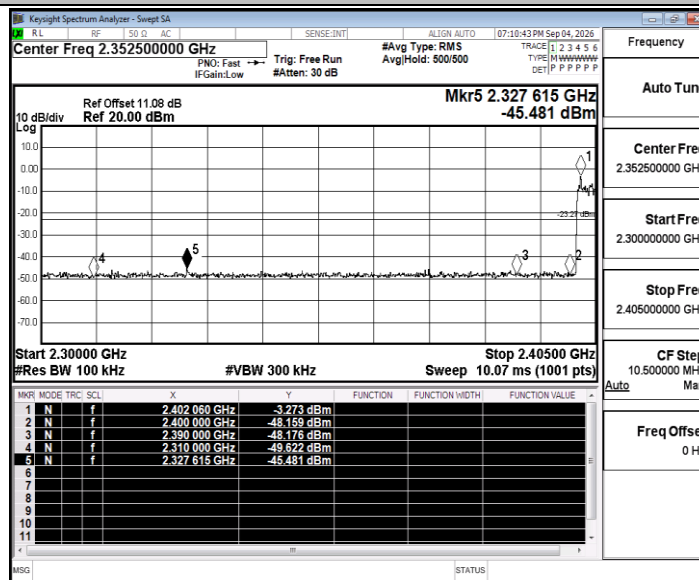
2DH5_Ant1_Low_2402



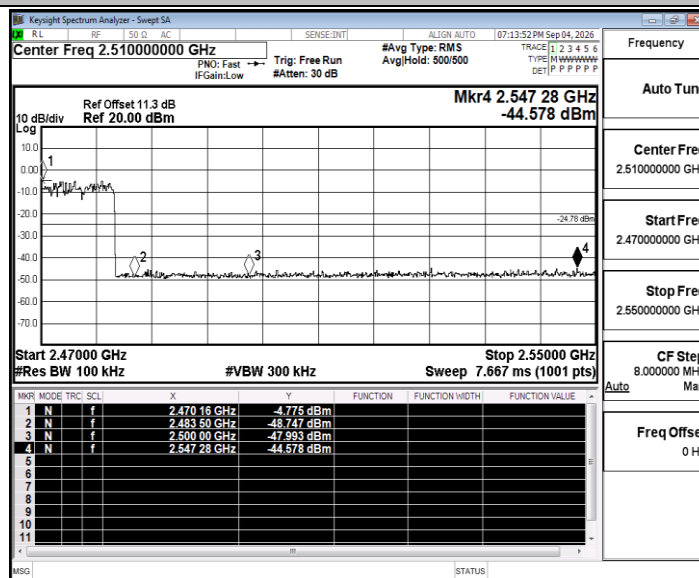
2DH5_Ant1_High_2480



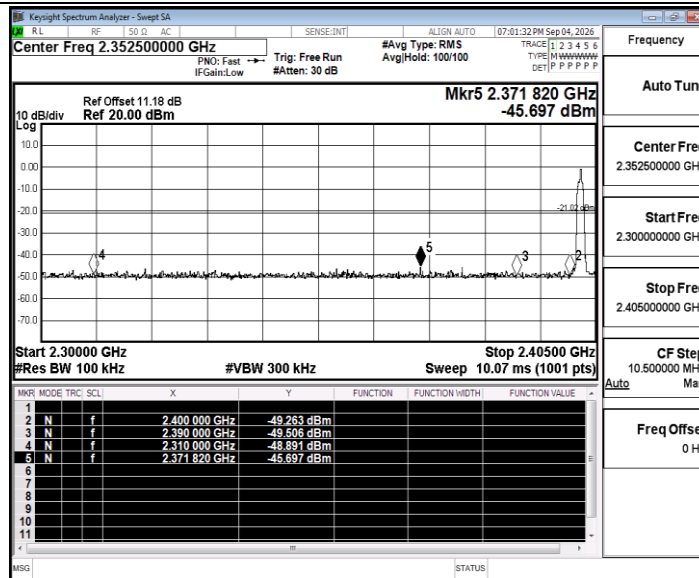
2DH5_Ant1_Low_Hop_2402



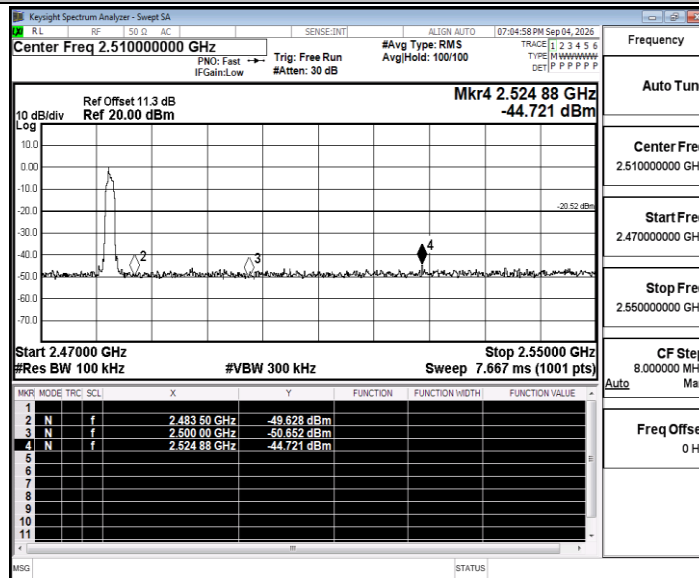
2DH5_Ant1_High_Hop_2480



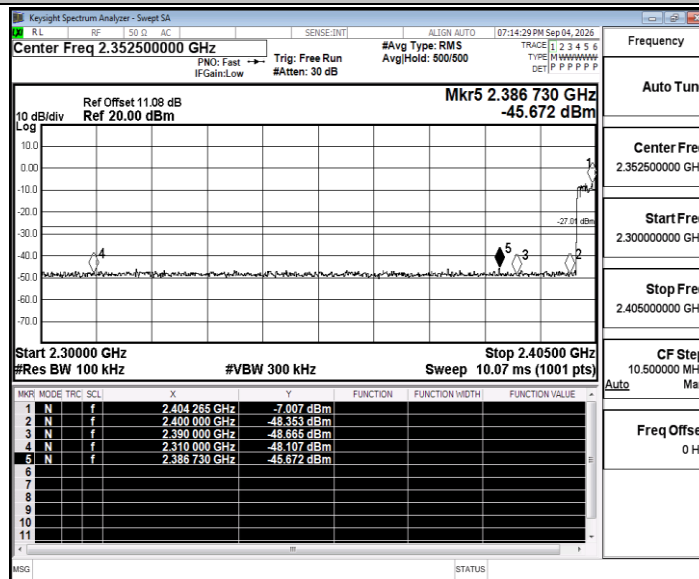
3DH5_Ant1_Low_2402



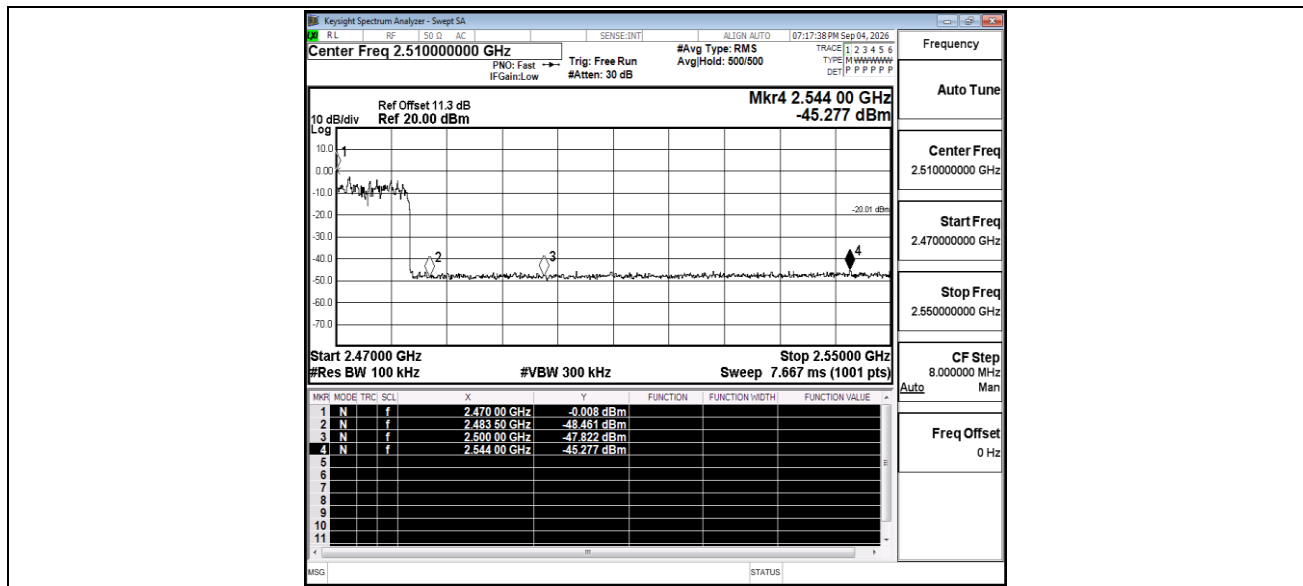
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



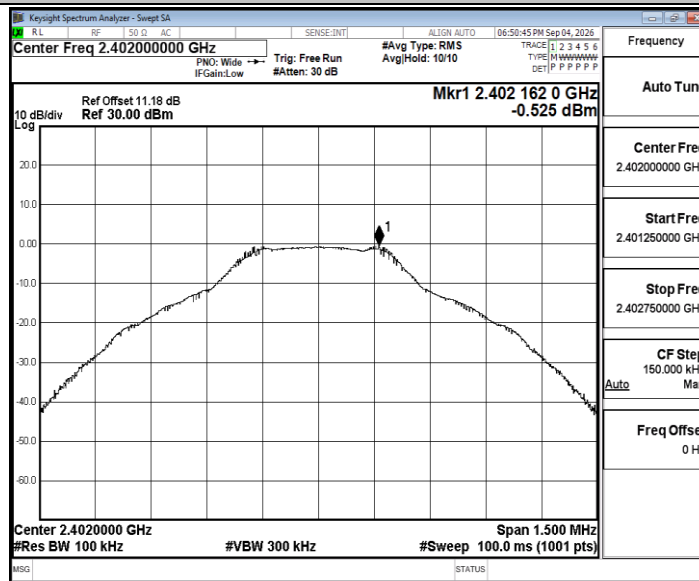
A.7 Conducted Spurious Emission

Test Result

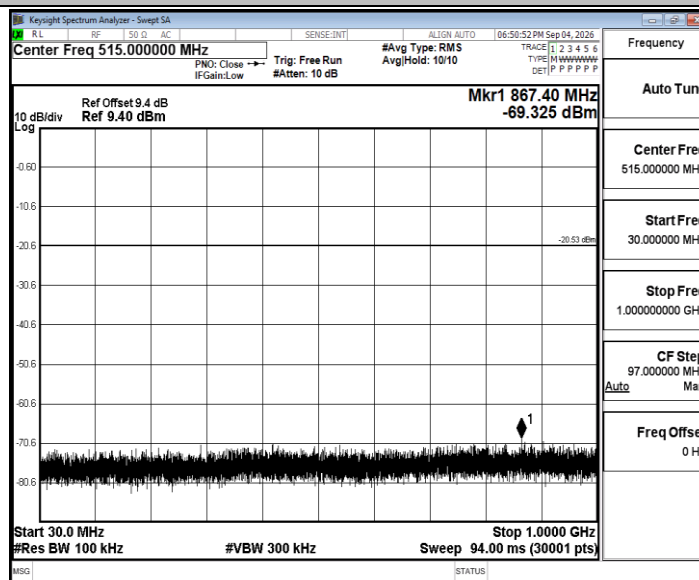
TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-69.33	≤-20.53	PASS
			1000~26500	-0.53	-44.81	≤-20.53	PASS
		2441	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-68.65	≤-19.31	PASS
			1000~26500	0.69	-44.69	≤-19.31	PASS
		2480	Reference	0.27	0.27	---	PASS
			30~1000	0.27	-69.57	≤-19.73	PASS
			1000~26500	0.27	-44.47	≤-19.73	PASS
2DH5	Ant1	2402	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-69.61	≤-21.02	PASS
			1000~26500	-1.02	-44.82	≤-21.02	PASS
		2441	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-70.06	≤-19.82	PASS
			1000~26500	0.18	-44.13	≤-19.82	PASS
		2480	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-69.42	≤-20.29	PASS
			1000~26500	-0.29	-44.53	≤-20.29	PASS
3DH5	Ant1	2402	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-69.97	≤-20.98	PASS
			1000~26500	-0.98	-44.5	≤-20.98	PASS
		2441	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-69.93	≤-19.82	PASS
			1000~26500	0.18	-44.96	≤-19.82	PASS
		2480	Reference	-0.29	-0.29	---	PASS
			30~1000	-0.29	-69.65	≤-20.29	PASS
			1000~26500	-0.29	-44.35	≤-20.29	PASS

Test Graphs

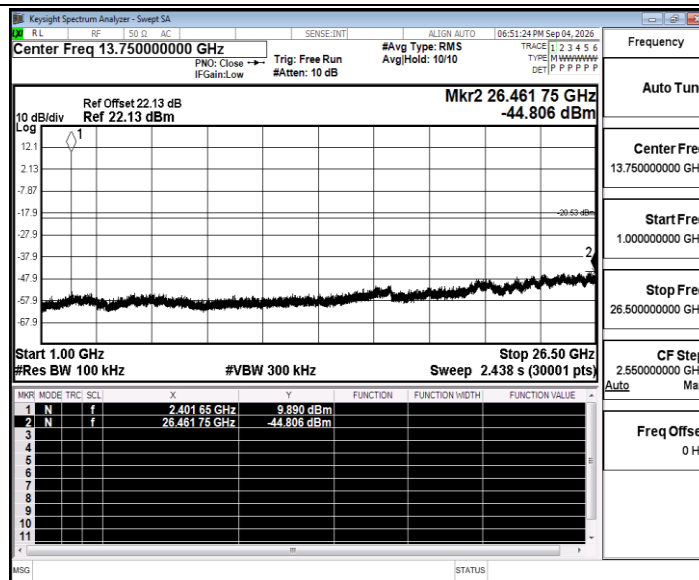
DH5_Ant1_2402_0~Reference



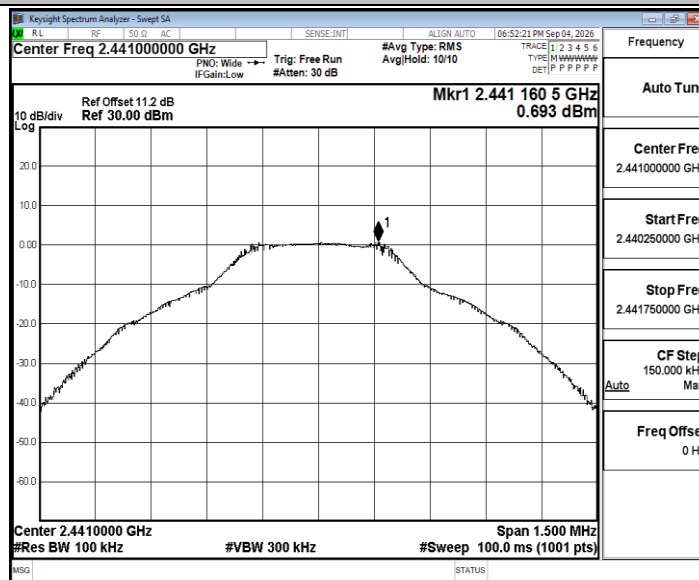
DH5_Ant1_2402_30~1000



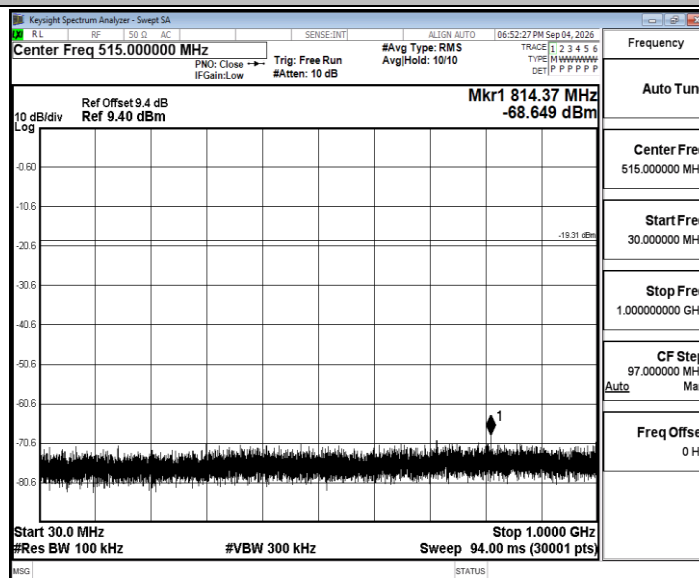
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500