

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TWS SPORT LOOK W SCREEN

Test Model: TWSSPOFT52-WHI

Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Yan Chen
Supervised by:	Fengliu Tang

A.1 20dB Emission Bandwidth

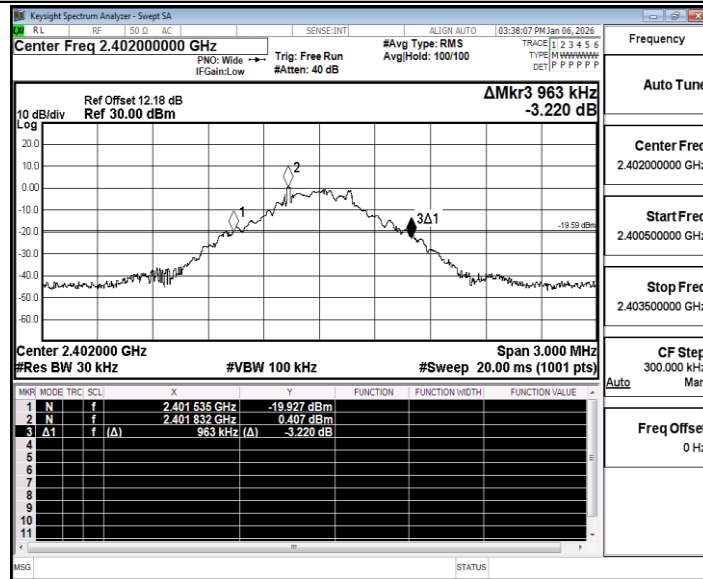
Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.535	2402.498	---	---
		2441	0.969	2440.532	2441.501	---	---
		2480	0.960	2479.538	2480.498	---	---
2DH5	Ant1	2402	1.287	2401.361	2402.648	---	---
		2441	1.287	2440.361	2441.648	---	---
		2480	1.290	2479.361	2480.651	---	---
3DH5	Ant1	2402	1.302	2401.346	2402.648	---	---
		2441	1.299	2440.346	2441.645	---	---
		2480	1.302	2479.346	2480.648	---	---

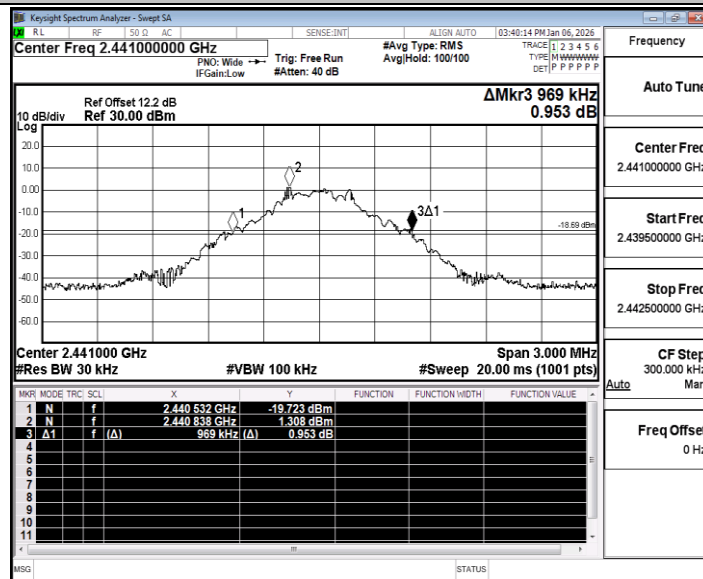
Note :offset=System attenuation +cabal loss

Test Graphs

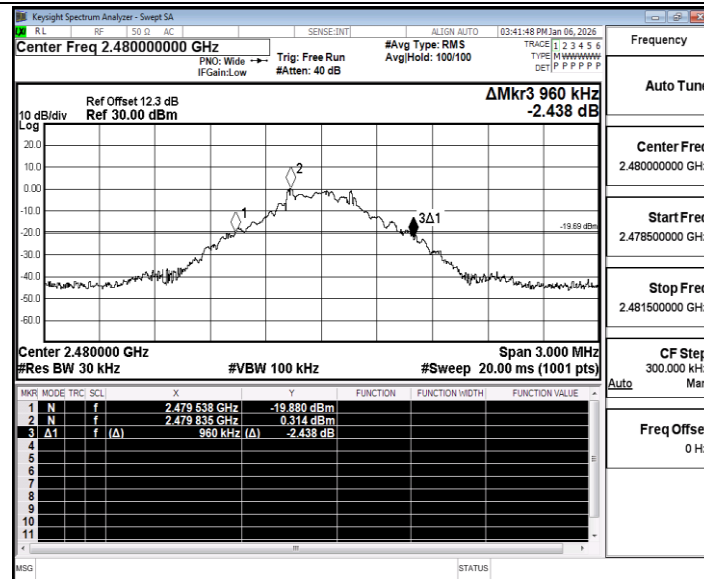
DH5_Ant1_2402



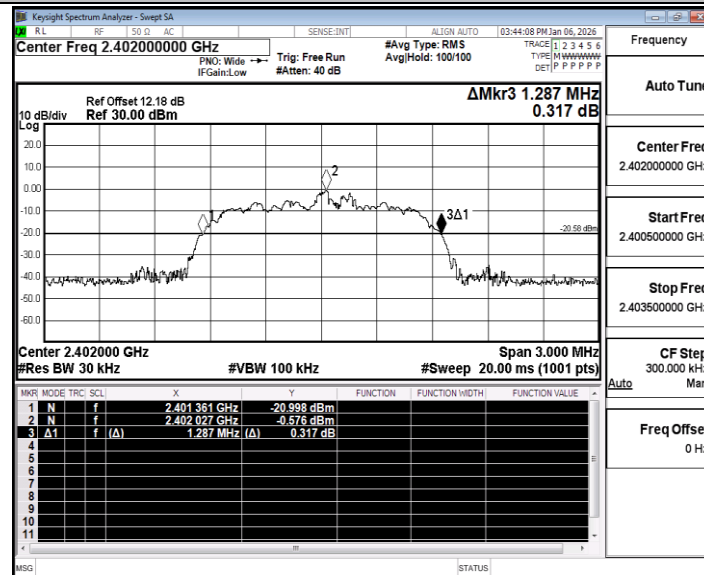
DH5_Ant1_2441



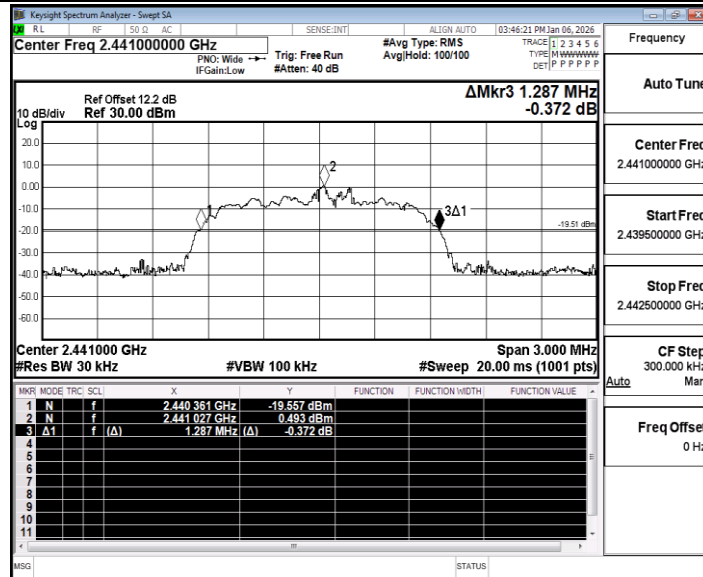
DH5_Ant1_2480



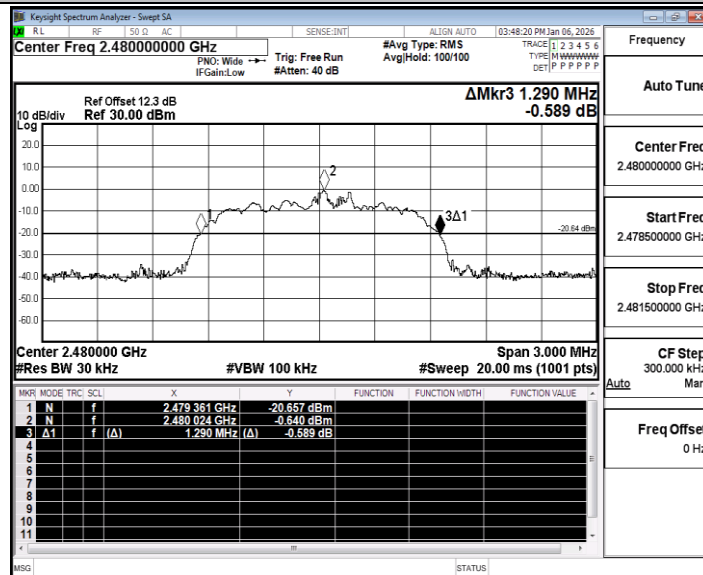
2DH5_Ant1_2402



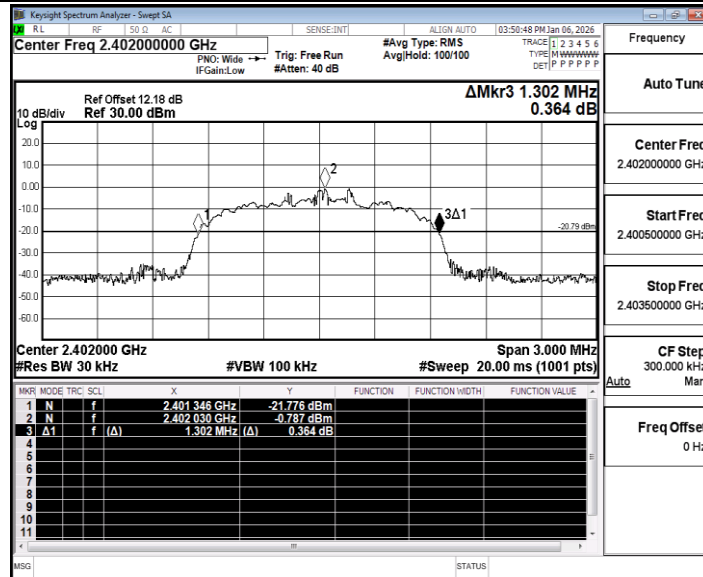
2DH5_Ant1_2441



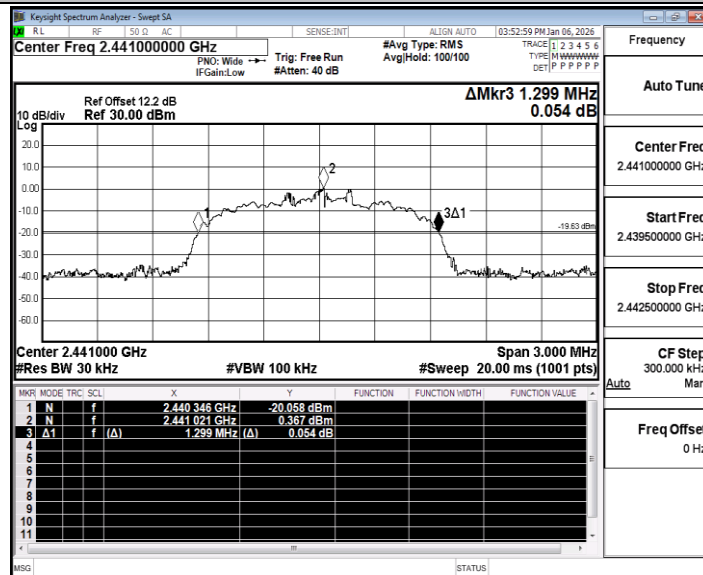
2DH5_Ant1_2480



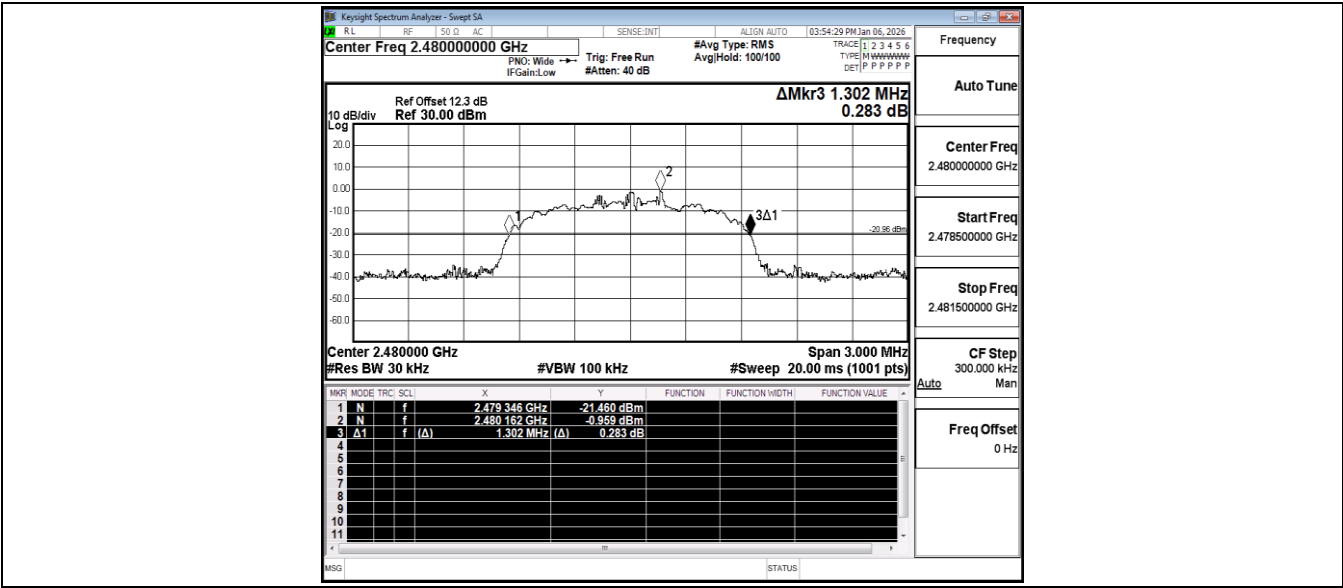
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



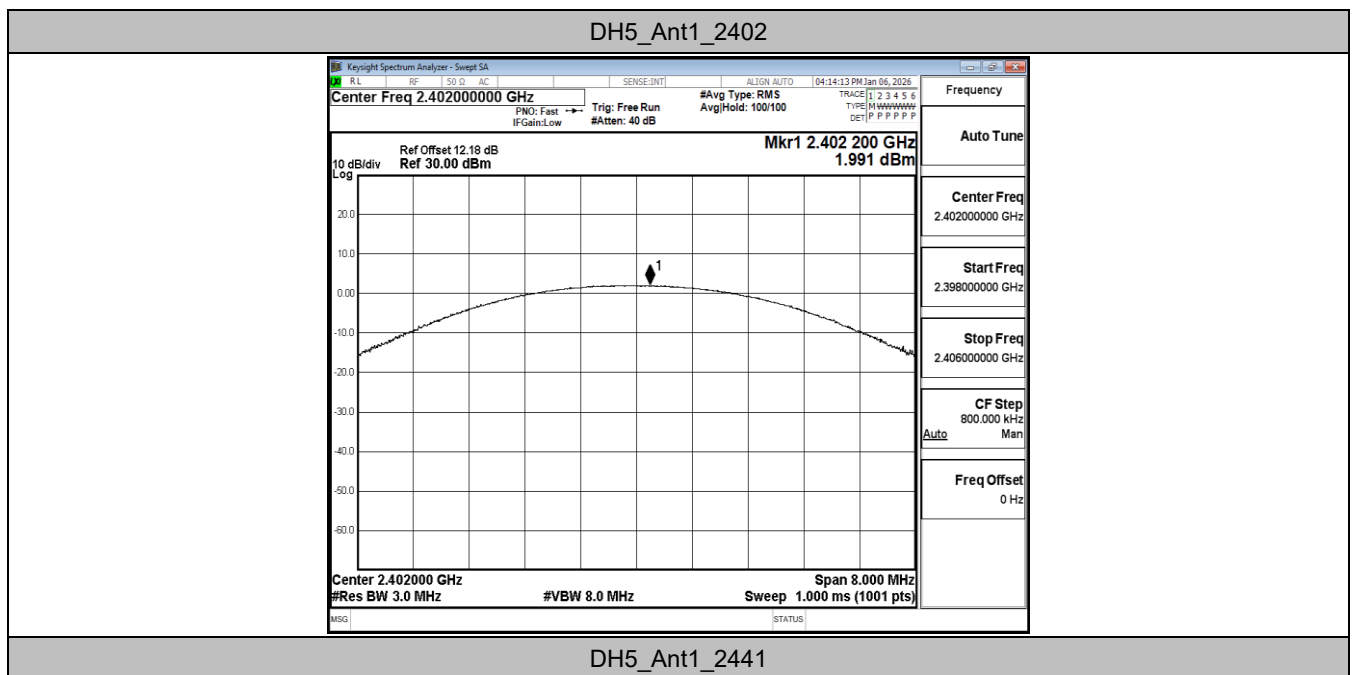
A.2 Maximum Peak conducted output power

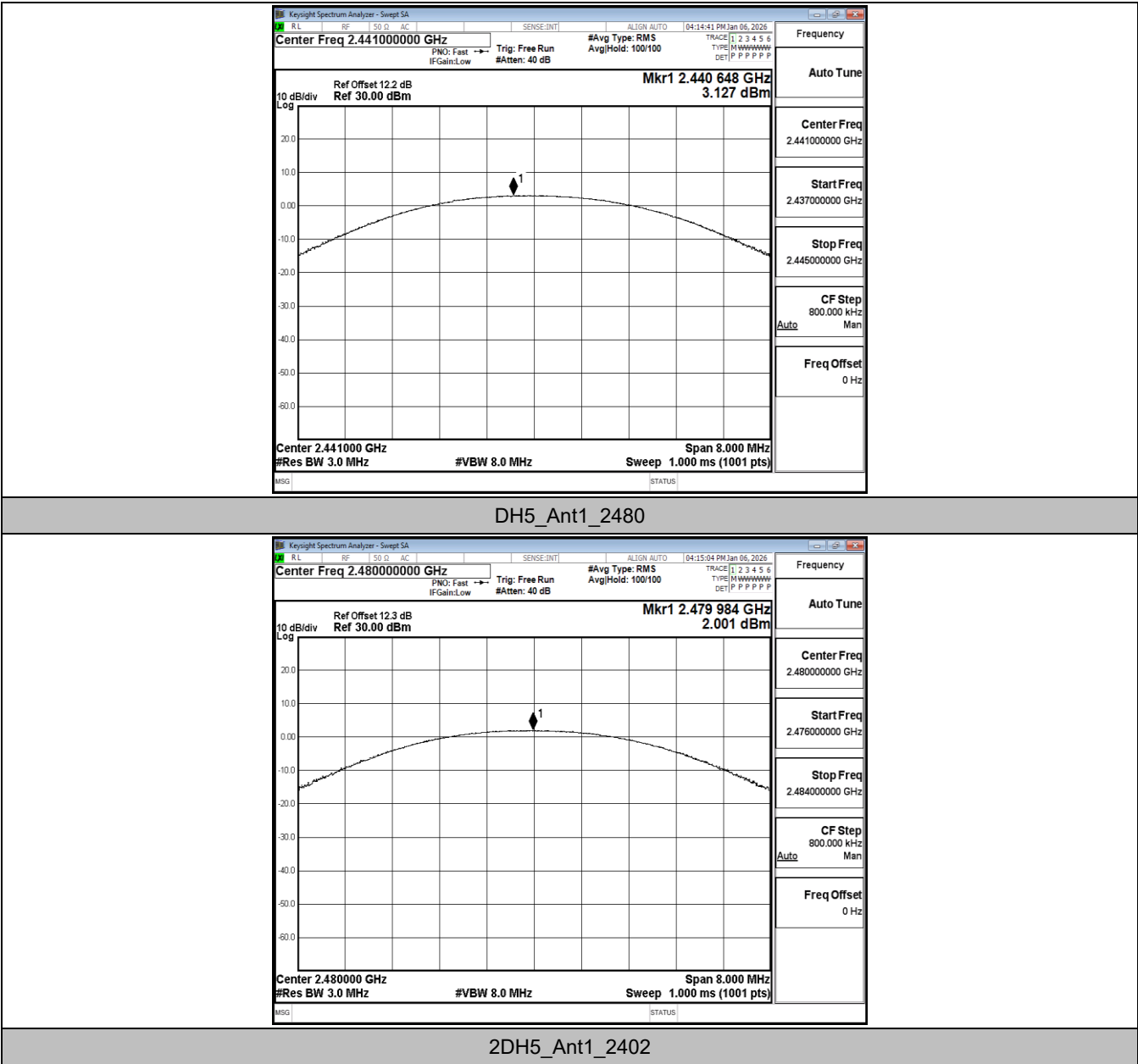
Test Result Peak

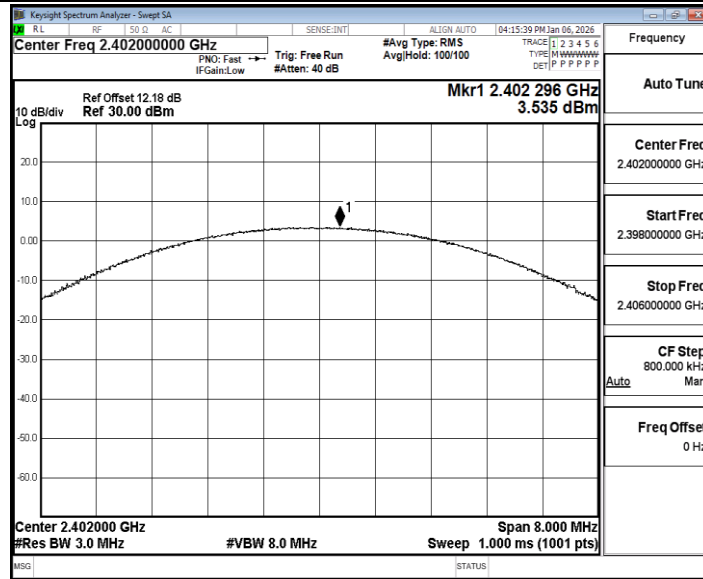
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.99	≤30	PASS
		2441	3.13	≤30	PASS
		2480	2.00	≤30	PASS
2DH5	Ant1	2402	3.54	≤20.97	PASS
		2441	4.31	≤20.97	PASS
		2480	3.07	≤20.97	PASS
3DH5	Ant1	2402	3.88	≤20.97	PASS
		2441	0.57	≤20.97	PASS
		2480	2.16	≤20.97	PASS

Note :offset=System attenuation +cabal loss

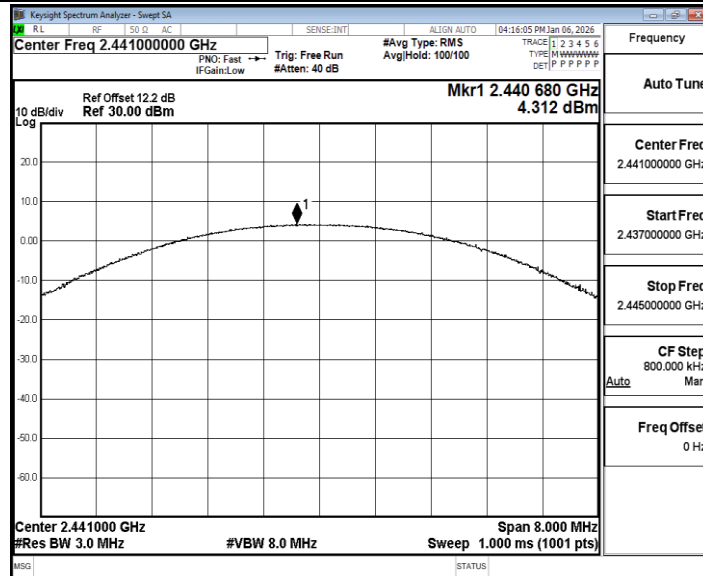
Test Graphs



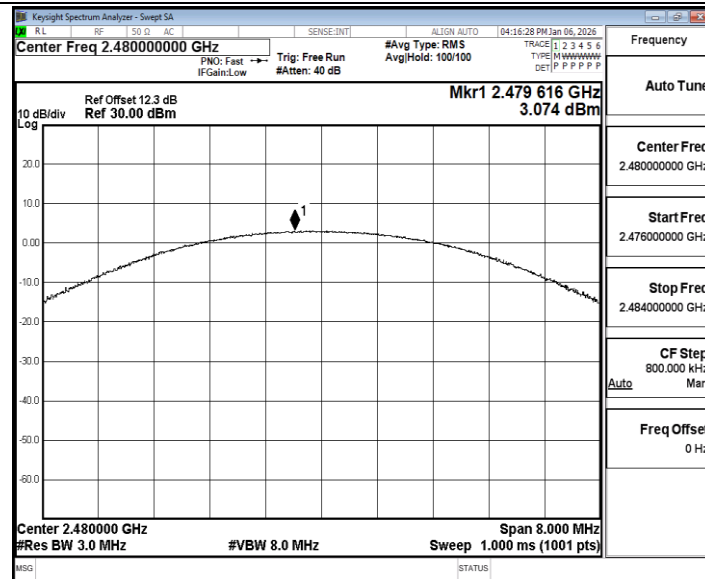




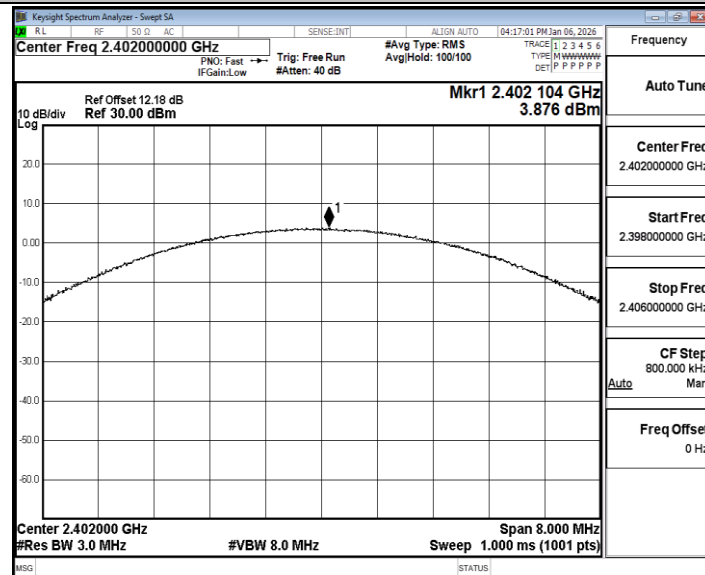
2DH5_Ant1_2441



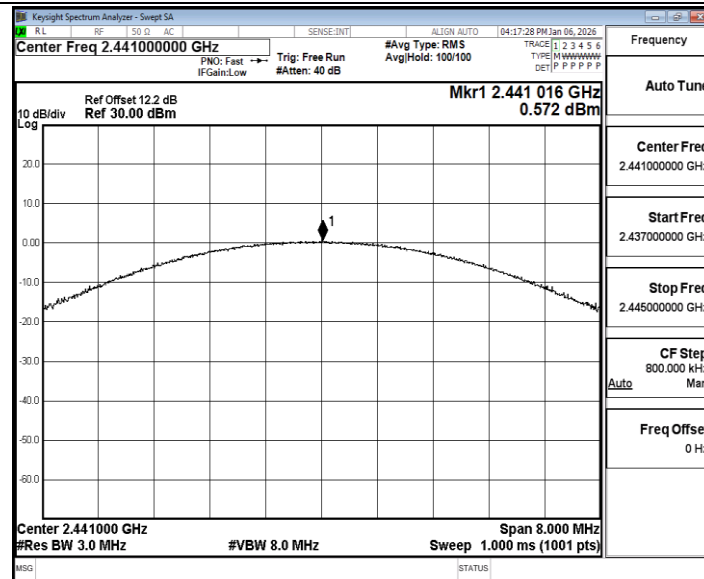
2DH5_Ant1_2480



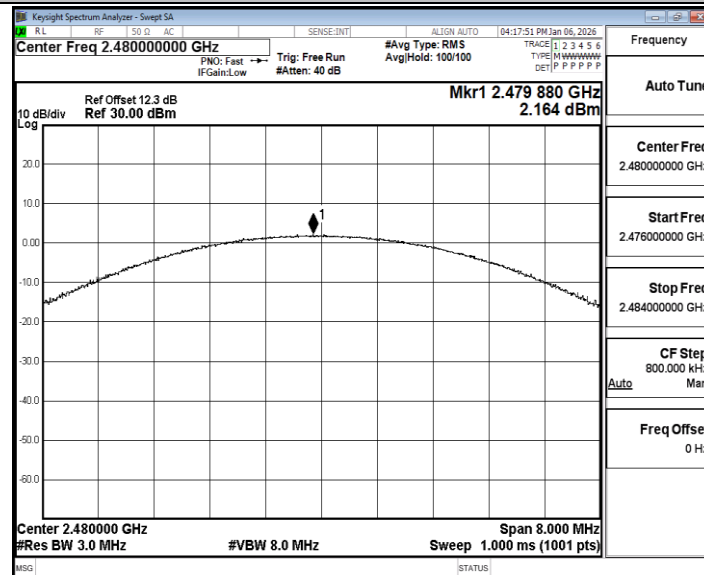
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



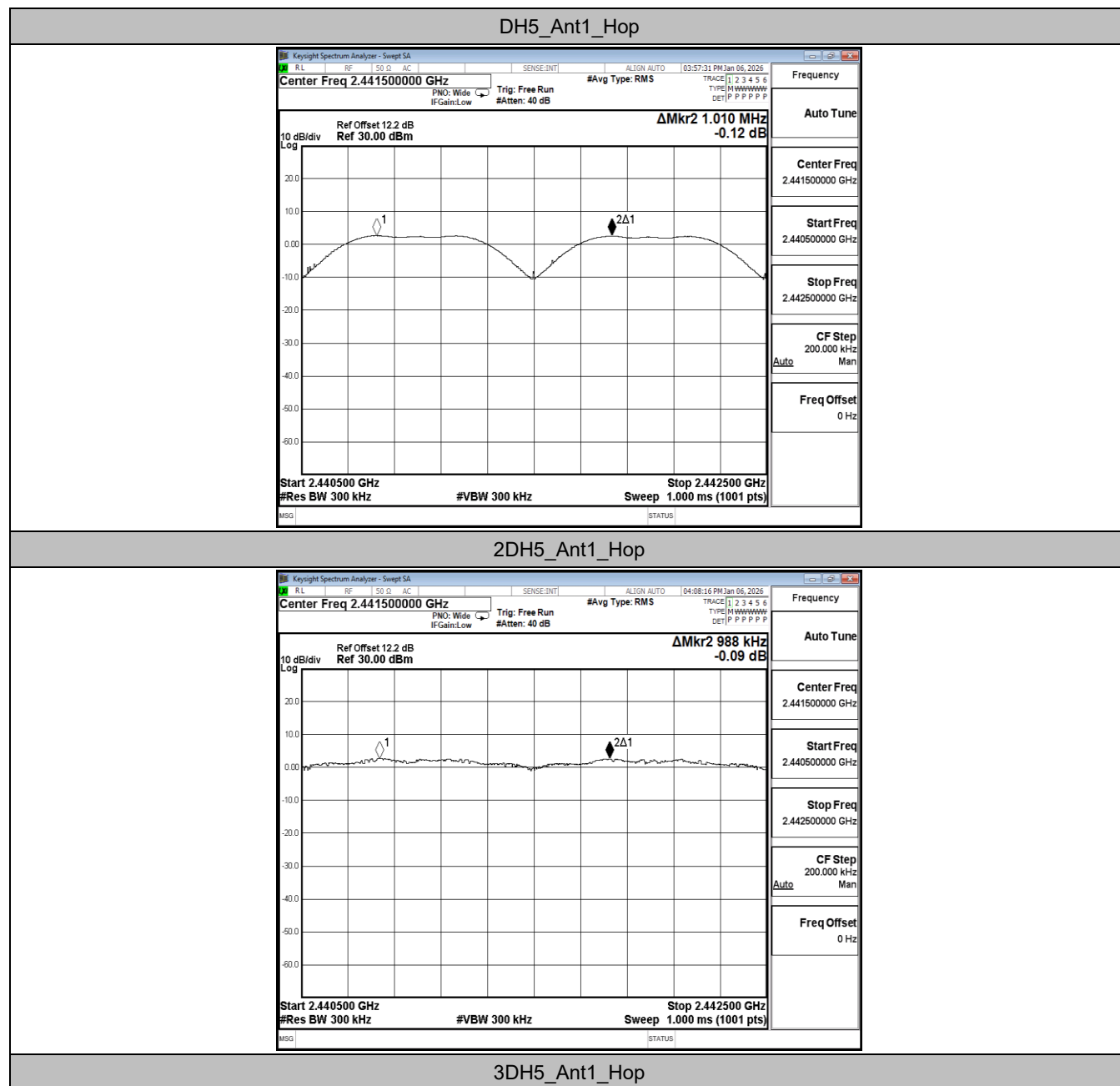
A.3 Carrier frequency separation

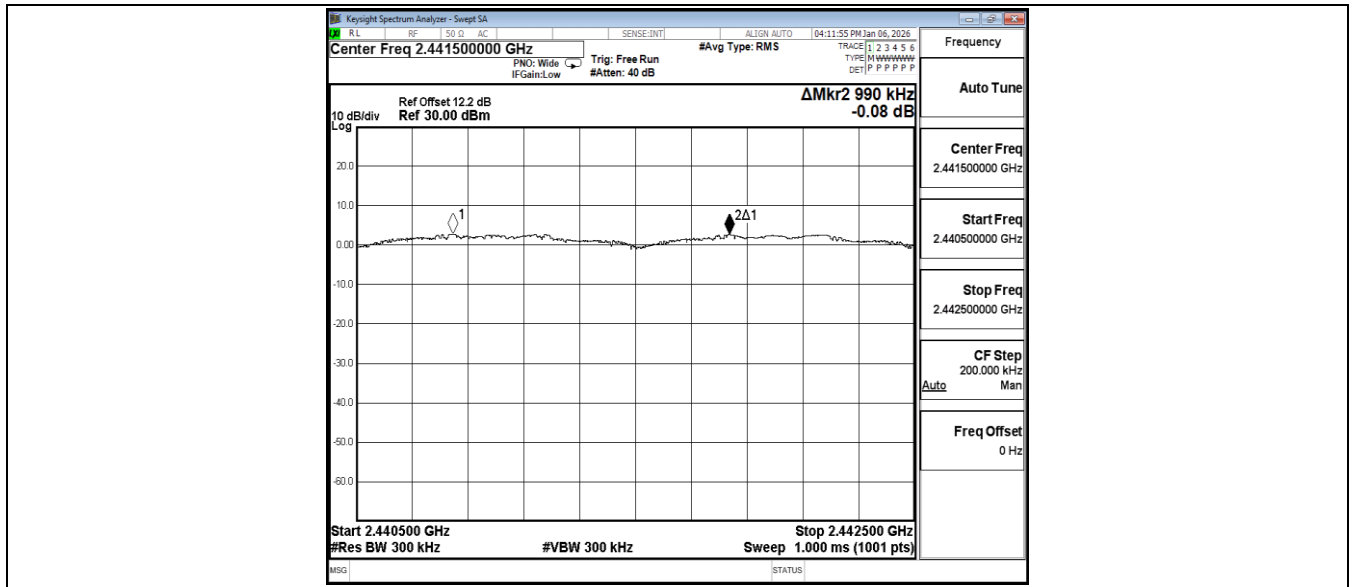
Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥ 0.646	PASS
2DH5	Ant1	Hop	0.988	≥ 0.860	PASS
3DH5	Ant1	Hop	0.99	≥ 0.868	PASS

Note :offset=System attenuation +cable loss

Test Graphs





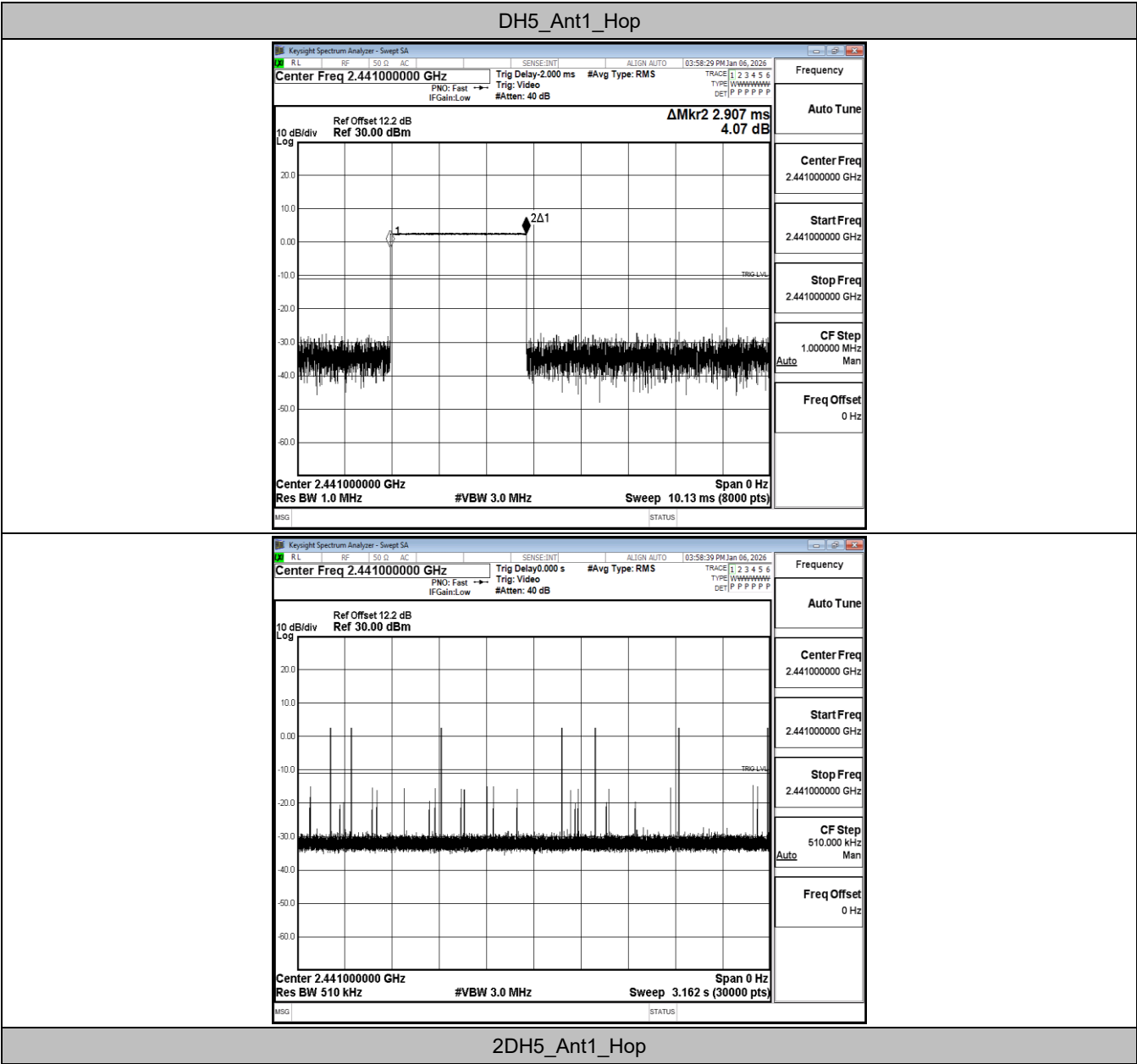
A.4 Time of occupancy

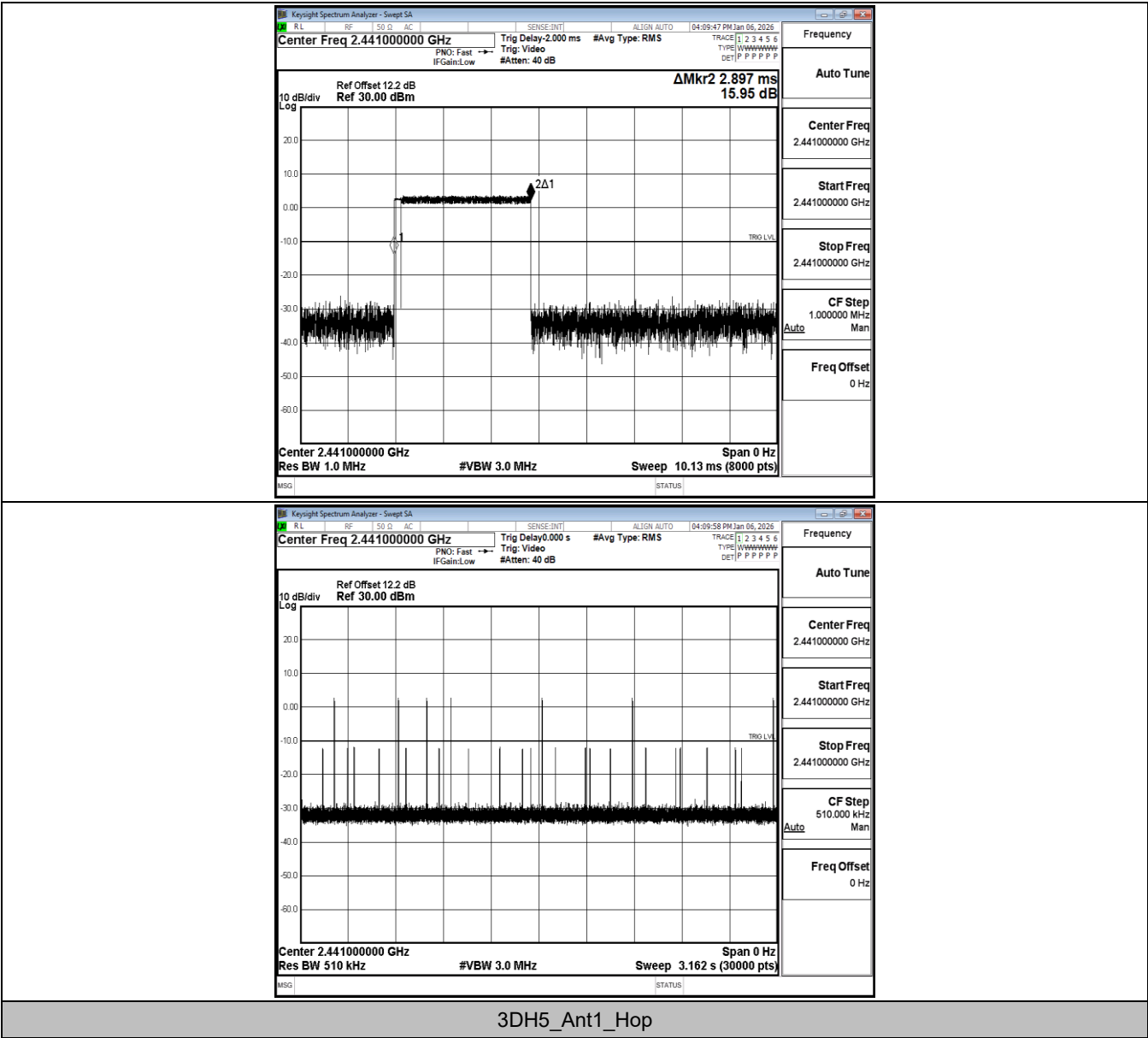
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.897	80	0.232	≤0.4	PASS
3DH5	Ant1	Hop	2.896	120	0.348	≤0.4	PASS

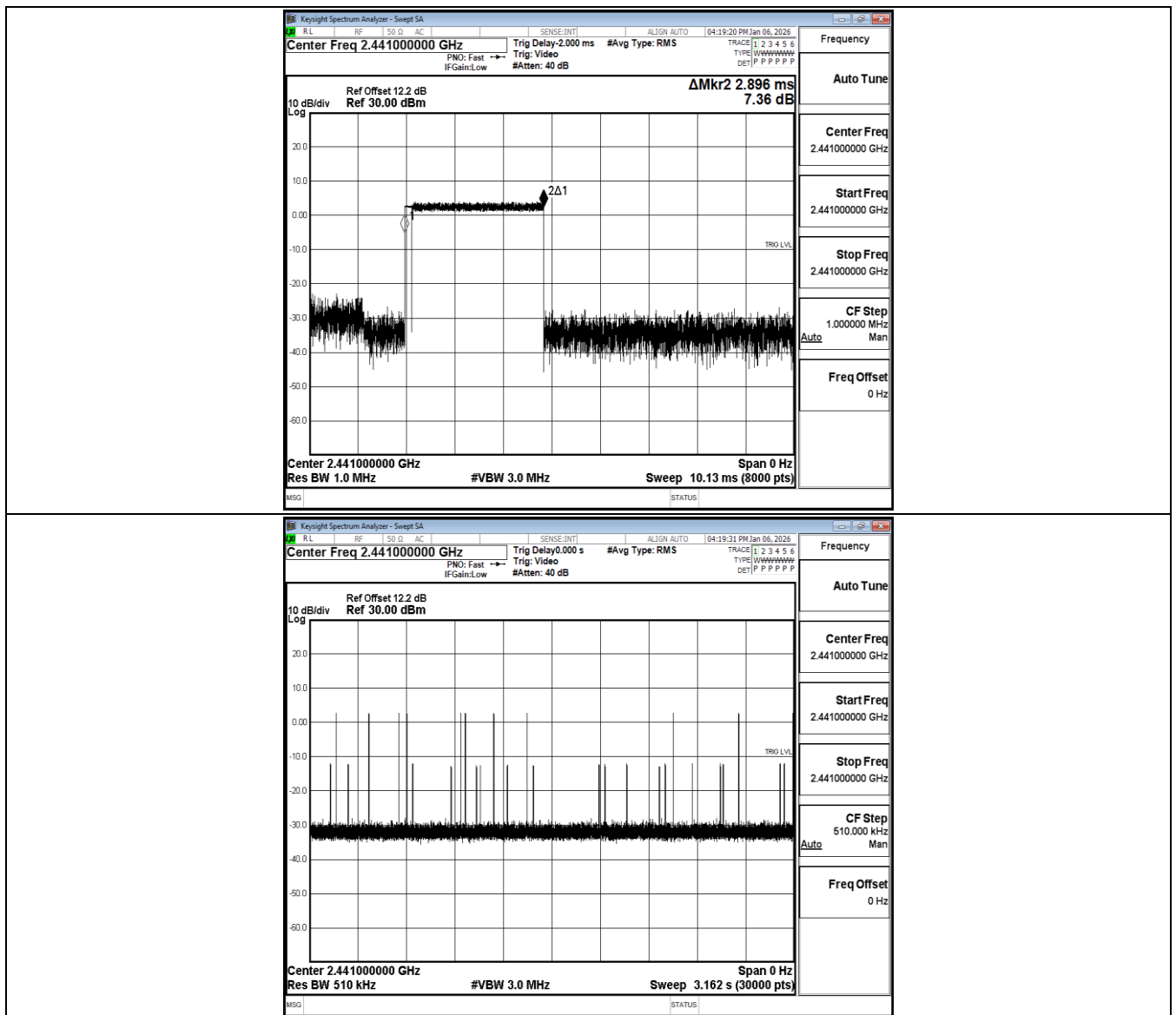
Note :offset=System attenuation +cabal loss

Test Graphs





3DH5_Ant1_Hop



A.5 Number of hopping channels

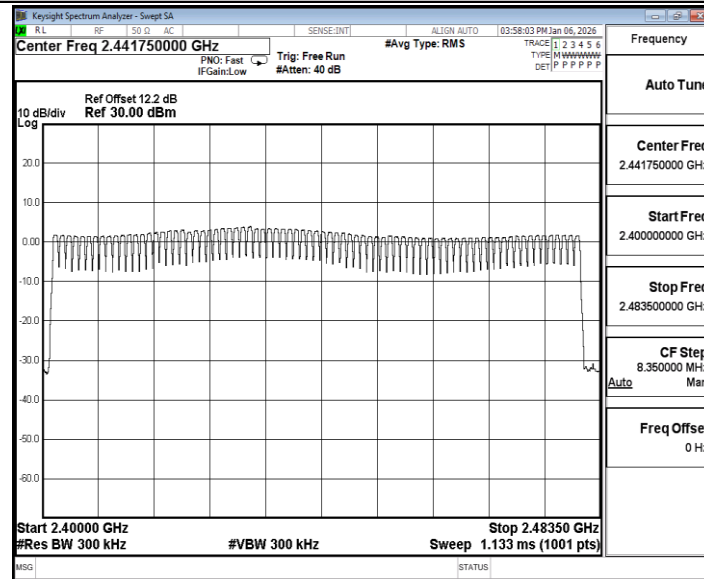
Test Result

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

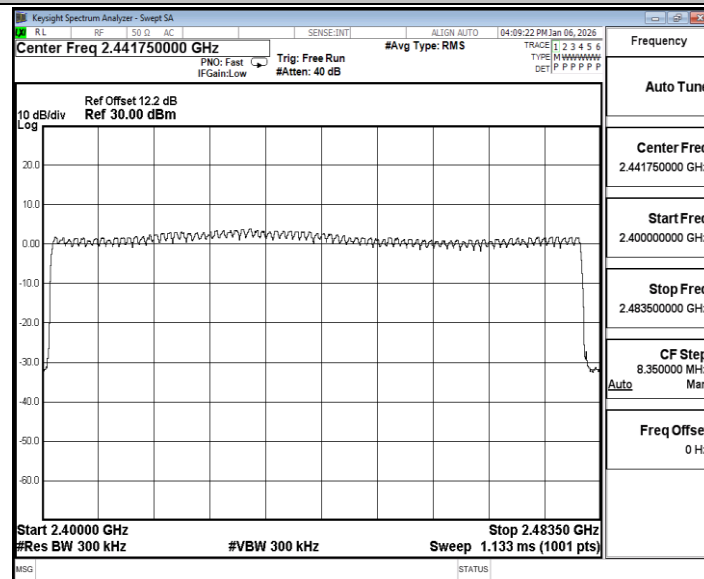
Note :offset=System attenuation +cable loss

Test Graphs

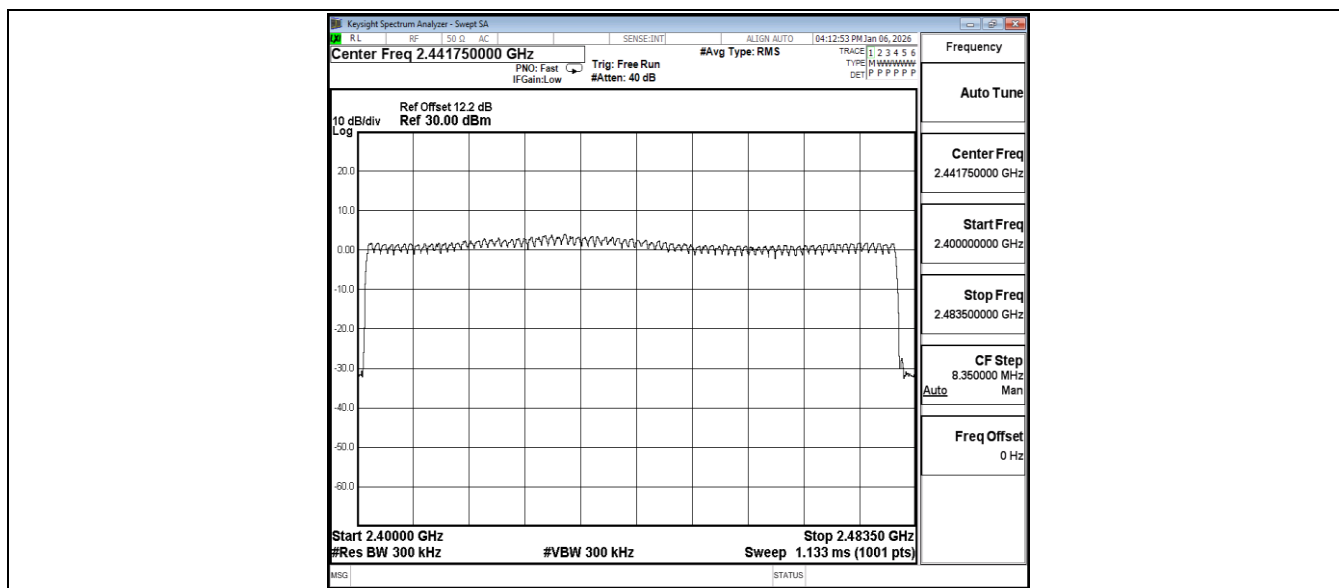
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



A.6 Band edge measurements

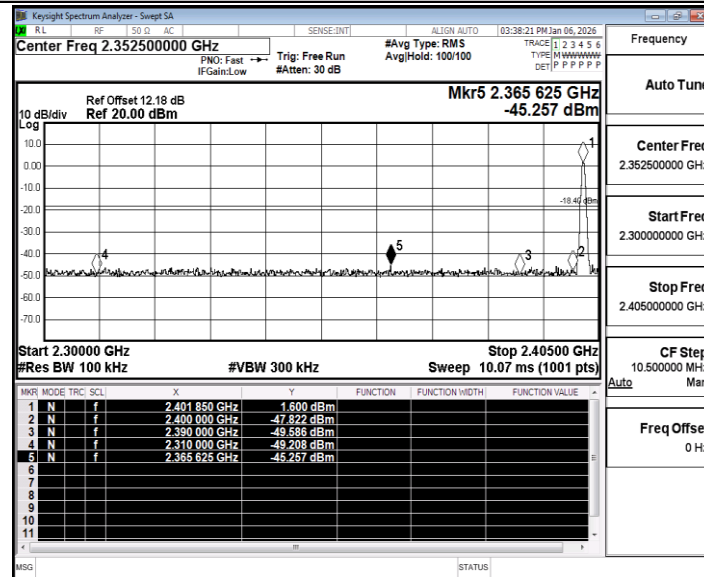
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.60	-45.26	≤ -18.4	PASS
		High	2480	1.26	-44.32	≤ -18.74	PASS
		Low	Hop_2402	1.04	-45.55	≤ -18.97	PASS
		High	Hop_2480	1.30	-45.33	≤ -18.7	PASS
2DH5	Ant1	Low	2402	0.21	-45.68	≤ -19.8	PASS
		High	2480	1.44	-45.13	≤ -18.56	PASS
		Low	Hop_2402	-3.83	-45.97	≤ -23.83	PASS
		High	Hop_2480	-1.78	-43.49	≤ -21.78	PASS
3DH5	Ant1	Low	2402	1.17	-44.71	≤ -18.83	PASS
		High	2480	1.43	-44.79	≤ -18.57	PASS
		Low	Hop_2402	-3.88	-45.31	≤ -23.88	PASS
		High	Hop_2480	0.78	-44.87	≤ -19.23	PASS

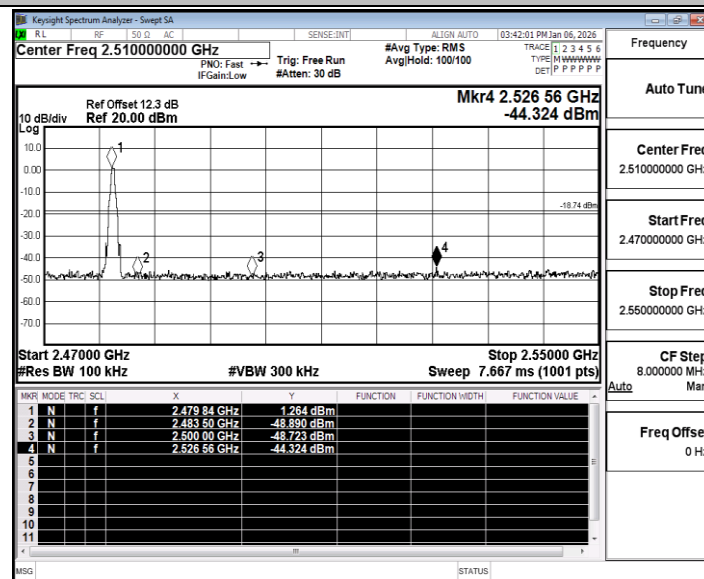
Note :offset=System attenuation +cabal loss

Test Graphs

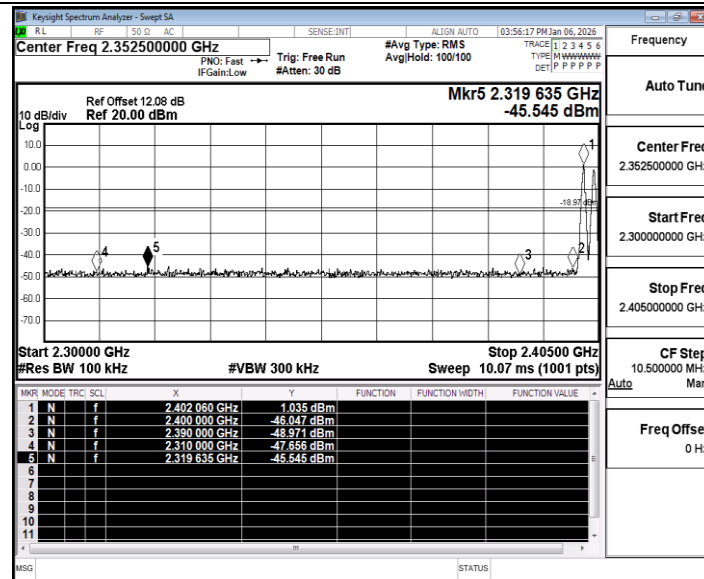
DH5_Ant1_Low_2402



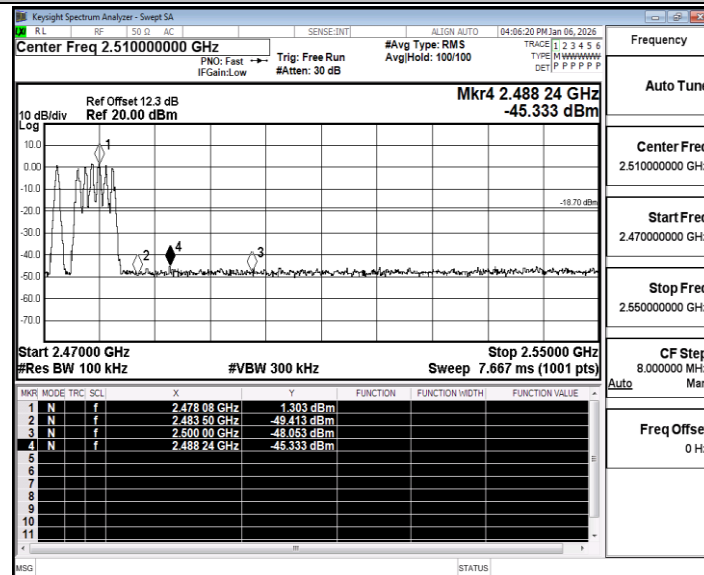
DH5_Ant1_High_2480



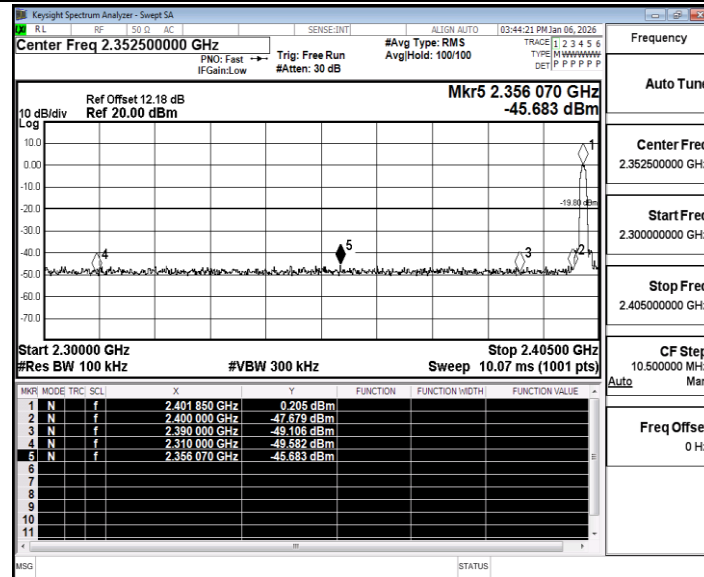
DH5_Ant1_Low_Hop_2402



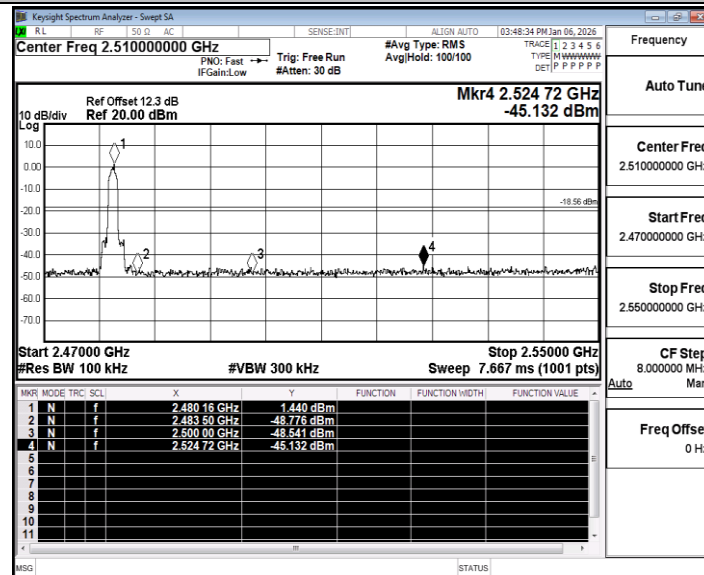
DH5_Ant1_High_Hop_2480



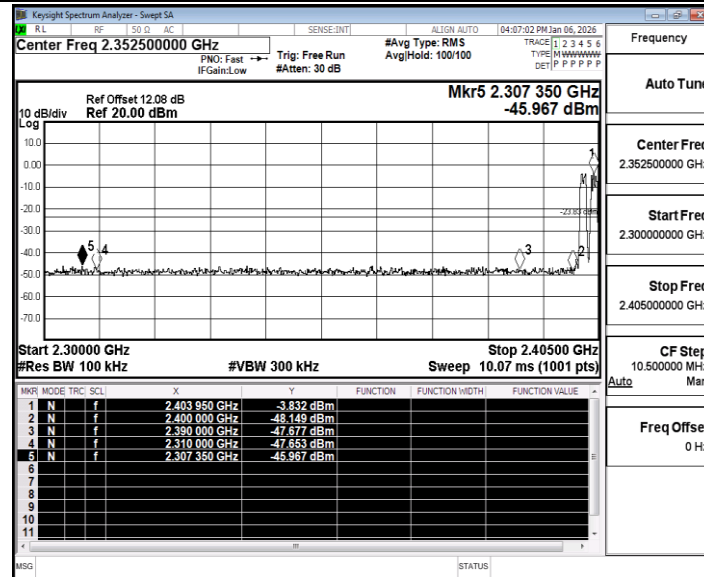
2DH5_Ant1_Low_2402



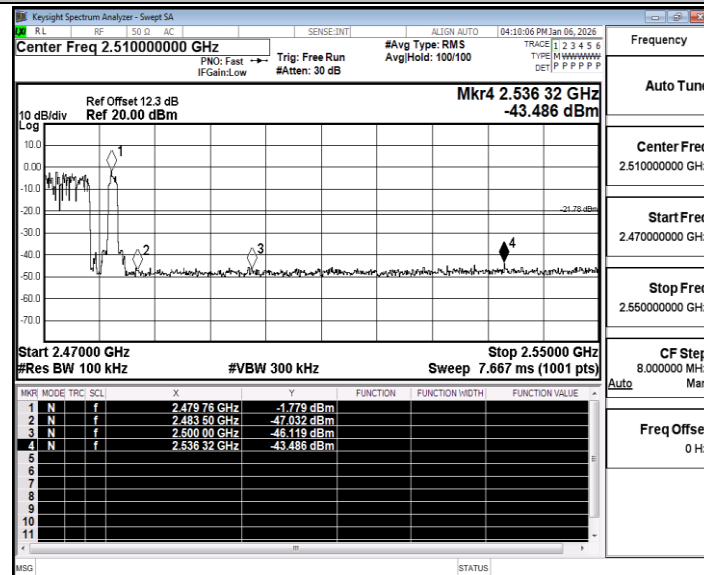
2DH5_Ant1_High_2480



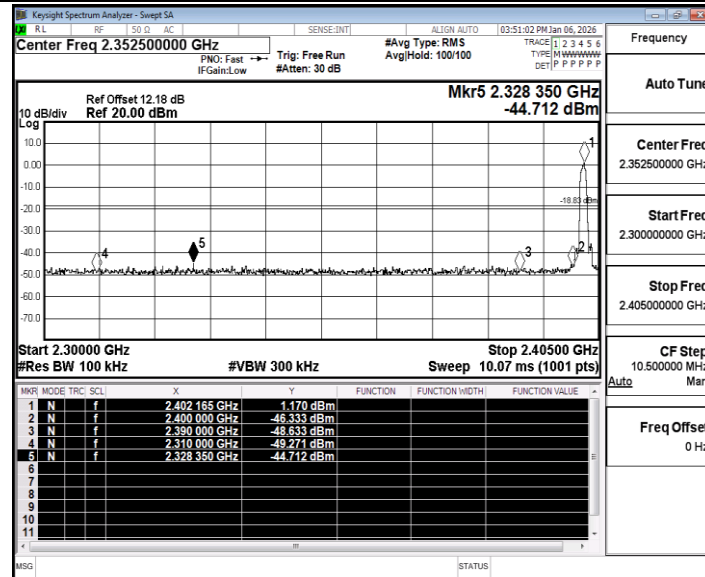
2DH5_Ant1_Low_Hop_2402



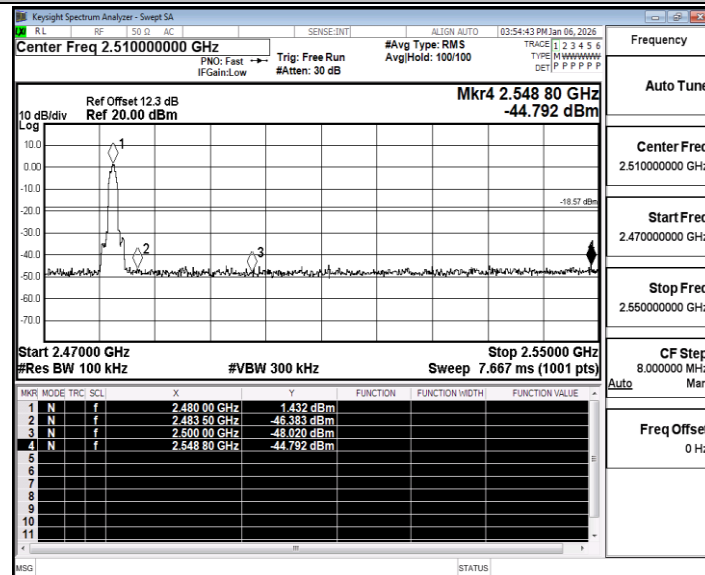
2DH5_Ant1_High_Hop_2480



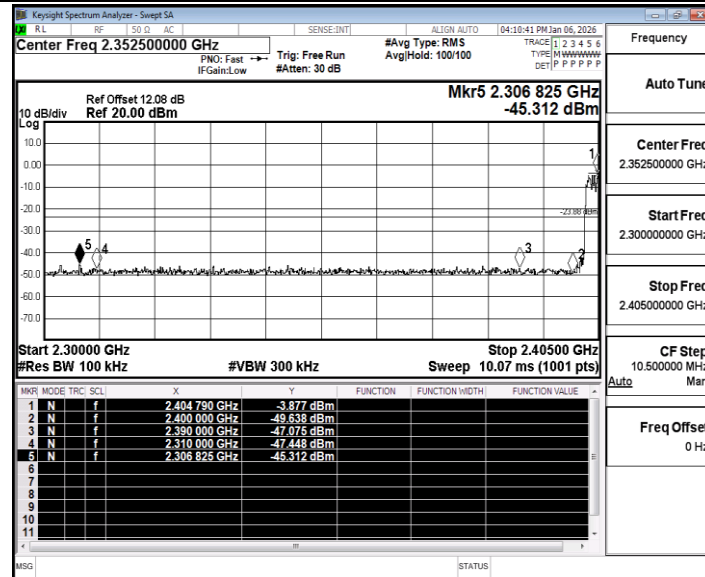
3DH5_Ant1_Low_2402



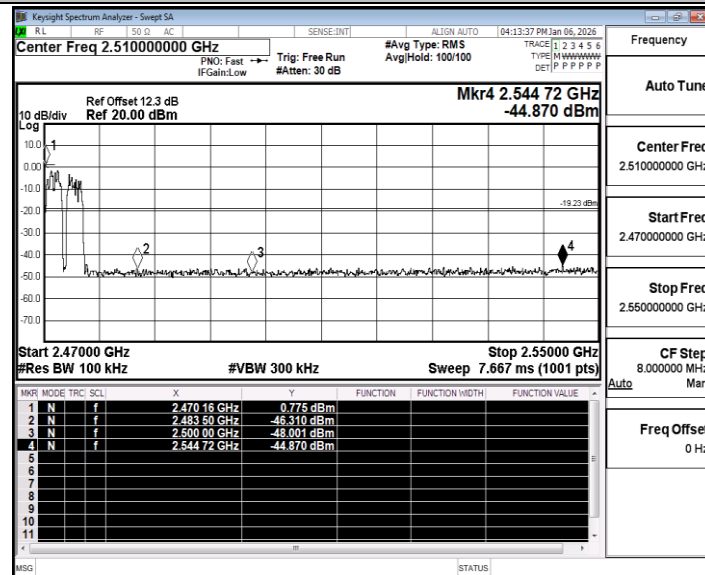
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



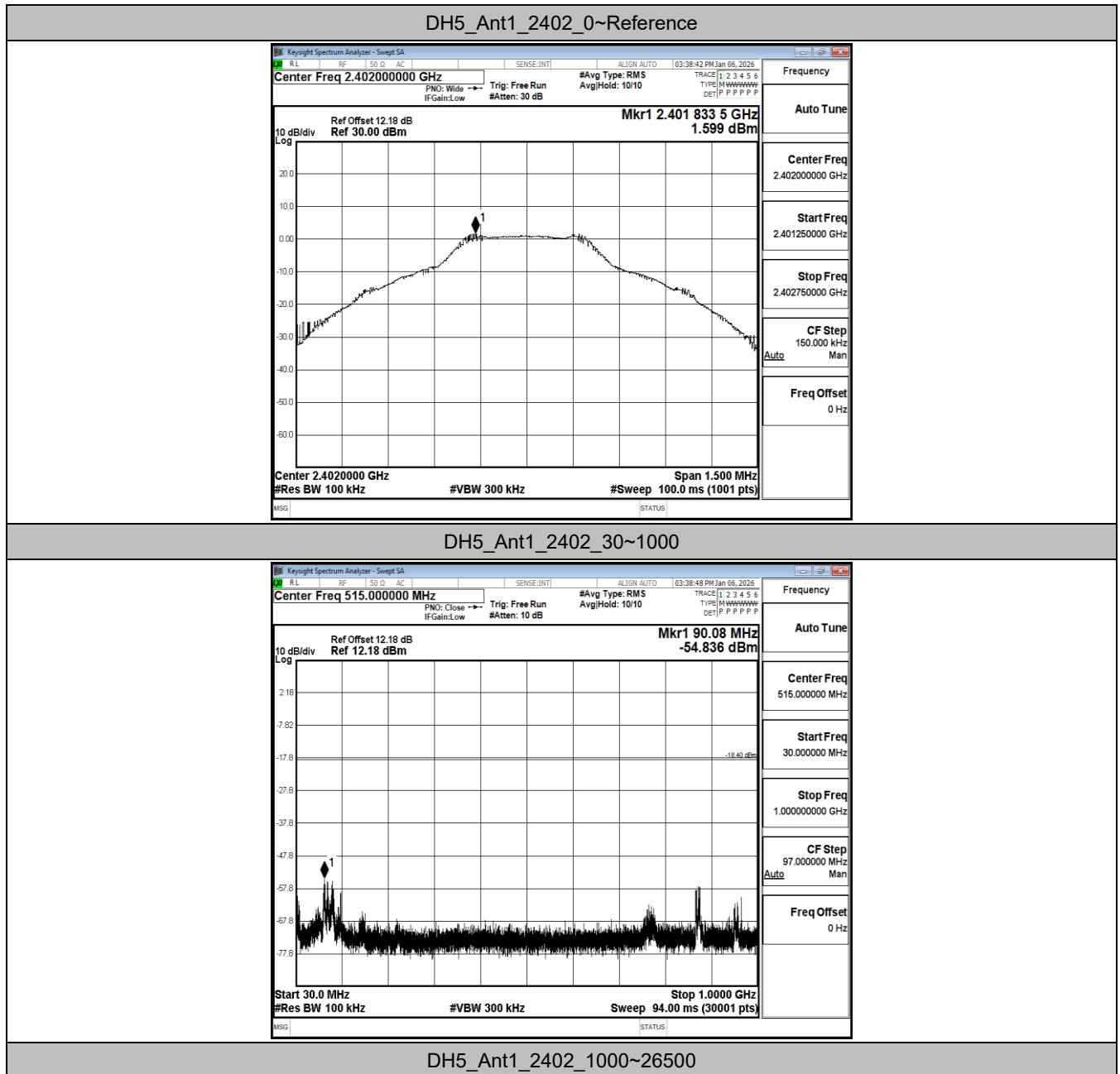
A.7 Conducted Spurious Emission

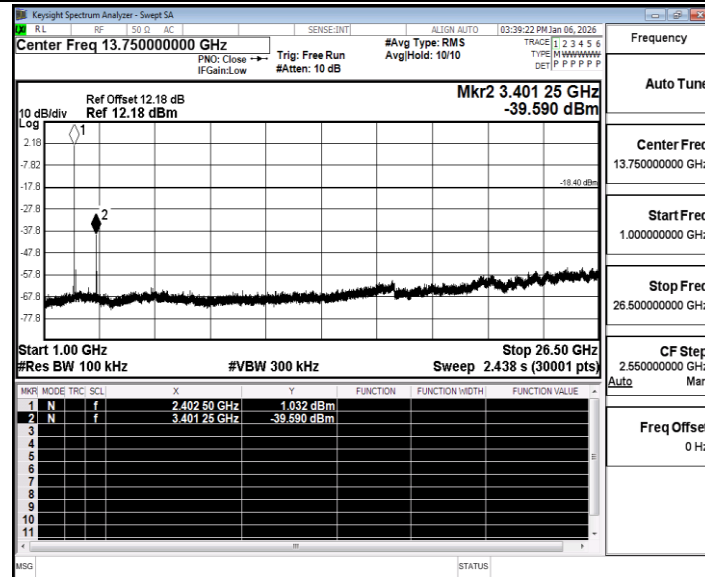
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-54.84	≤-18.4	PASS
			1000~26500	1.60	-39.59	≤-18.4	PASS
		2441	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-53.75	≤-17.29	PASS
			1000~26500	2.71	-38.63	≤-17.29	PASS
		2480	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-58.58	≤-18.41	PASS
			1000~26500	1.59	-54.61	≤-18.41	PASS
2DH5	Ant1	2402	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-38.03	≤-18.62	PASS
			1000~26500	1.38	-55.23	≤-18.62	PASS
		2441	Reference	2.42	2.42	---	PASS
			30~1000	2.42	-54.55	≤-17.58	PASS
			1000~26500	2.42	-51.92	≤-17.58	PASS
		2480	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-54.08	≤-18.64	PASS
			1000~26500	1.36	-54.08	≤-18.64	PASS
3DH5	Ant1	2402	Reference	1.57	1.57	---	PASS
			30~1000	1.57	-37.56	≤-18.43	PASS
			1000~26500	1.57	-52.16	≤-18.43	PASS
		2441	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-21.86	≤-17.41	PASS
			1000~26500	2.59	-46.53	≤-17.41	PASS
		2480	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-24.31	≤-18.52	PASS
			1000~26500	1.48	-54.64	≤-18.52	PASS

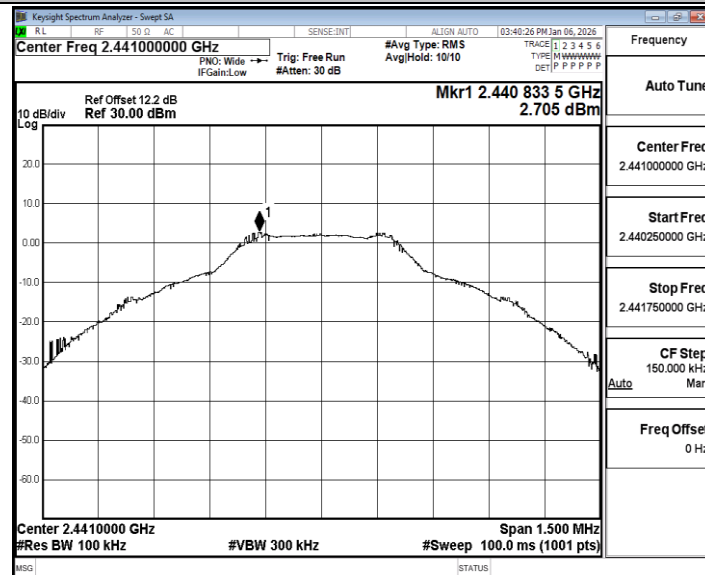
Note :offset=System attenuation +cabal loss

Test Graphs

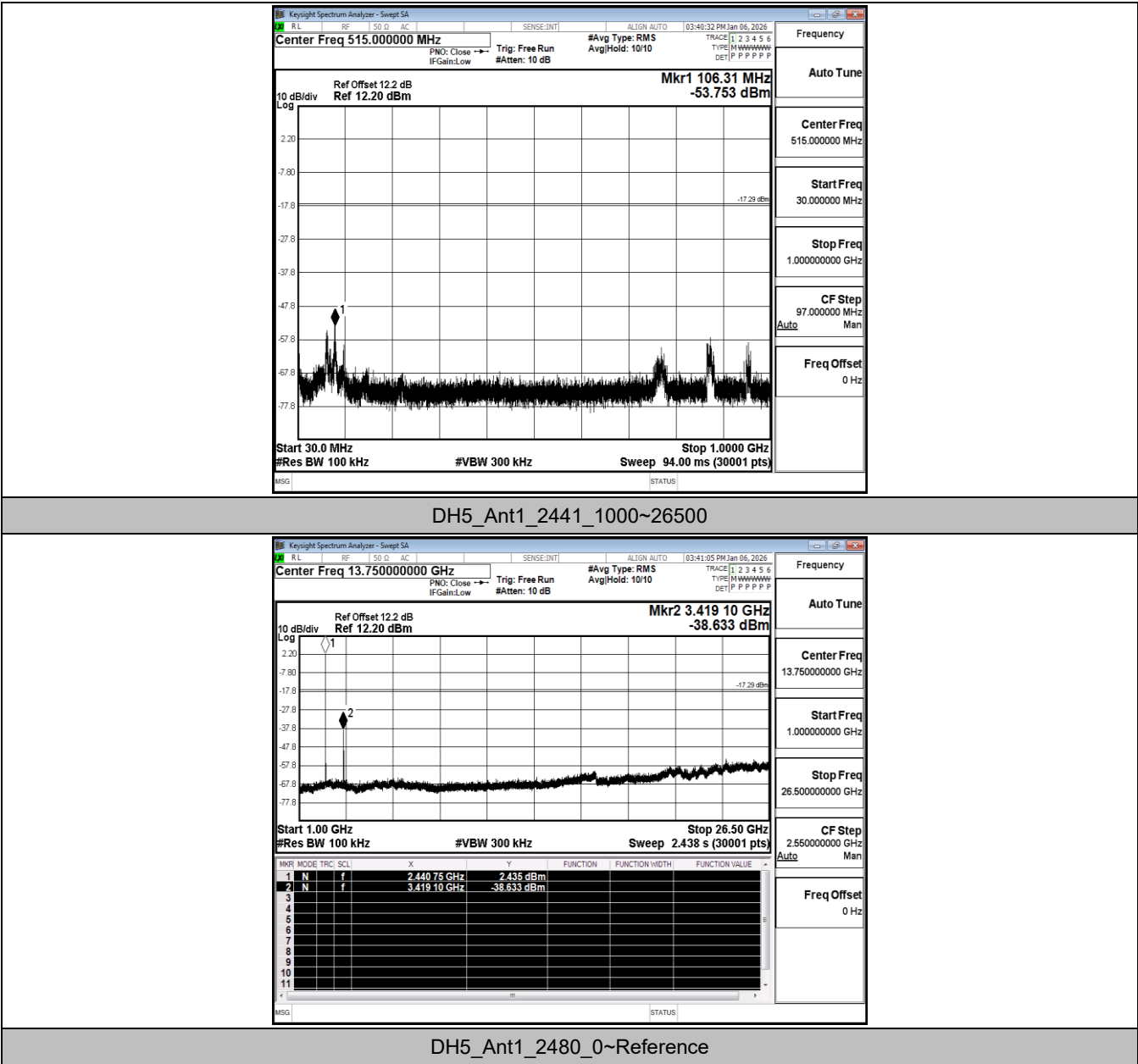


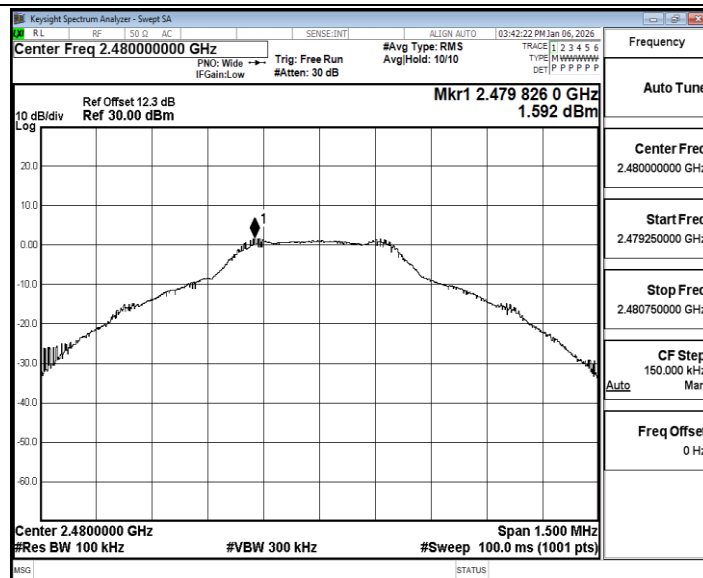


DH5_Ant1_2441_0~Reference

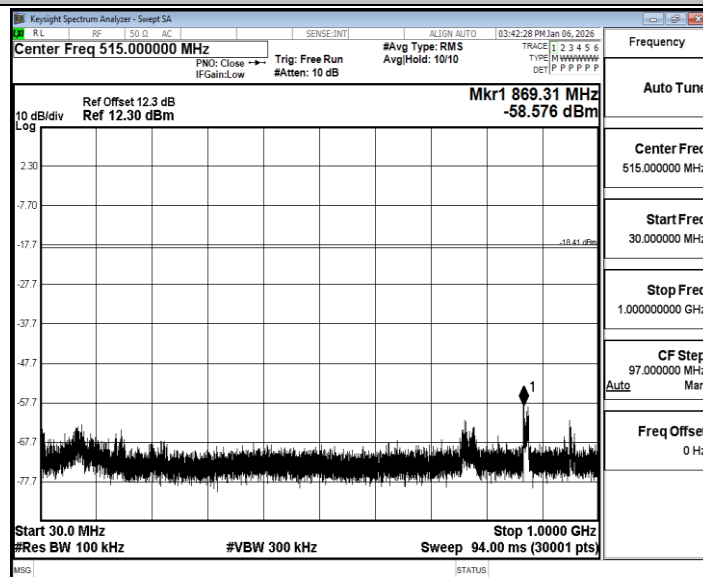


DH5_Ant1_2441_30~1000

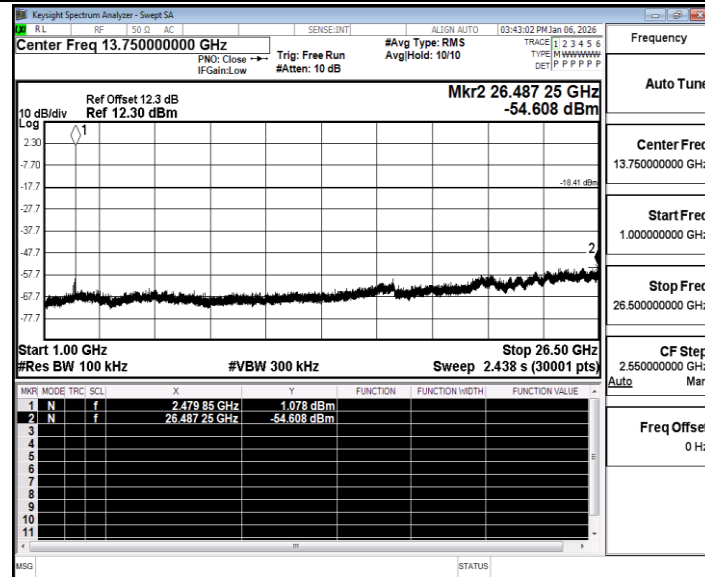




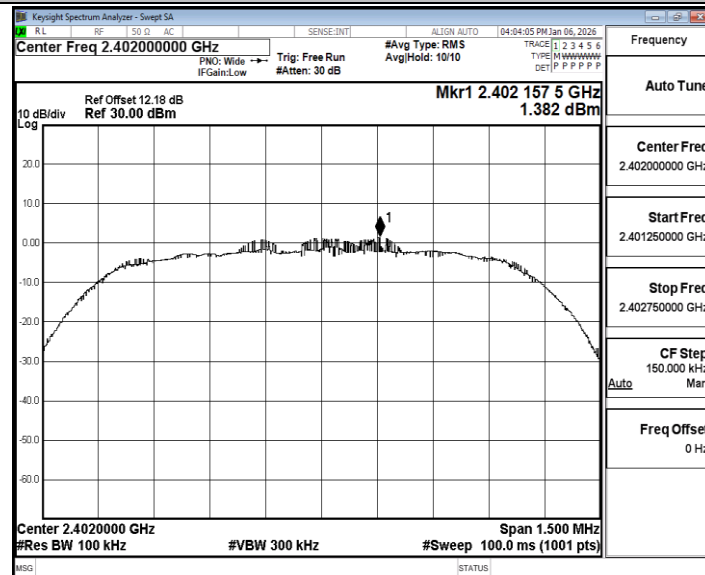
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000