

Appendix A

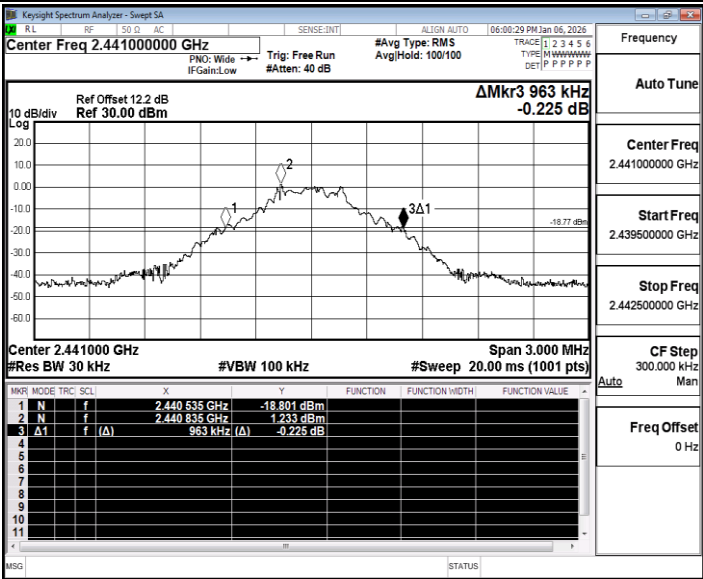
RF Test Data for BT (Conducted Measurement)

Product Name: TWS OPEN EAR

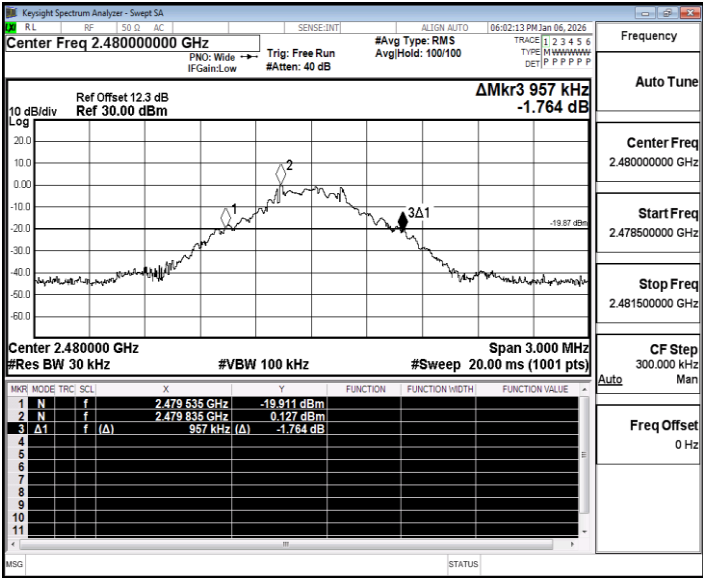
Test Model: TWSOPEFT52-WHI

Environmental Conditions

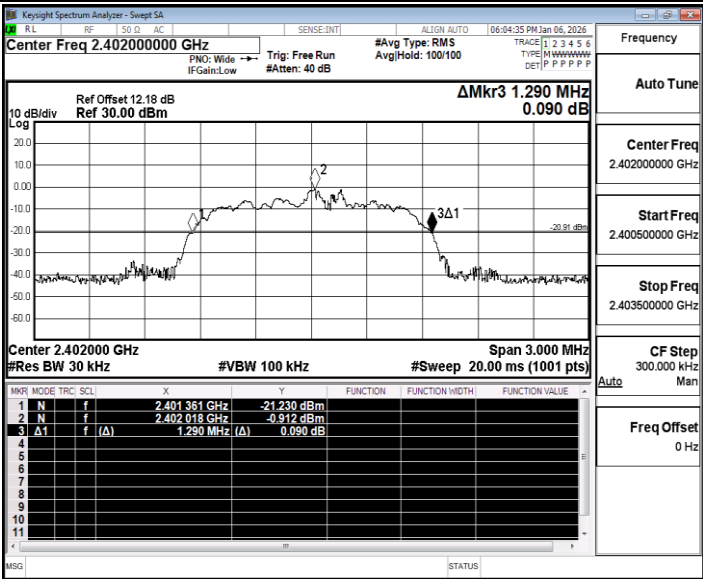
Temperature:	24.1°C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Yan Chen
Supervised by:	Fengliu Tang



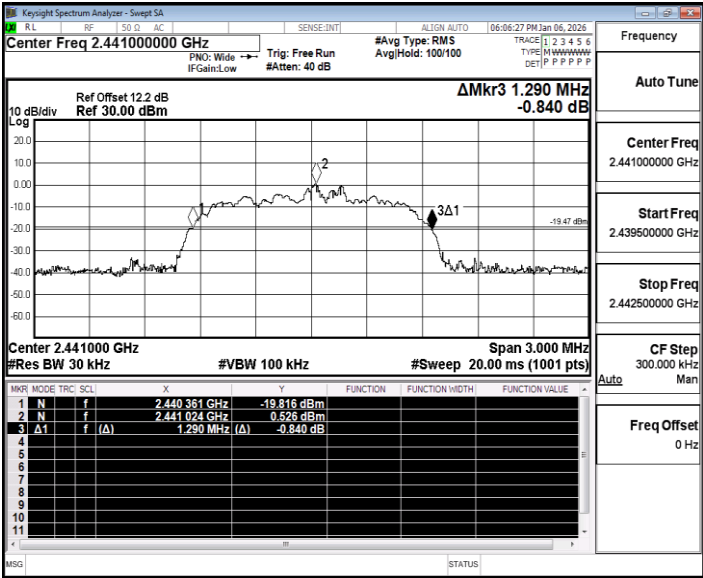
DH5_Ant1_2480



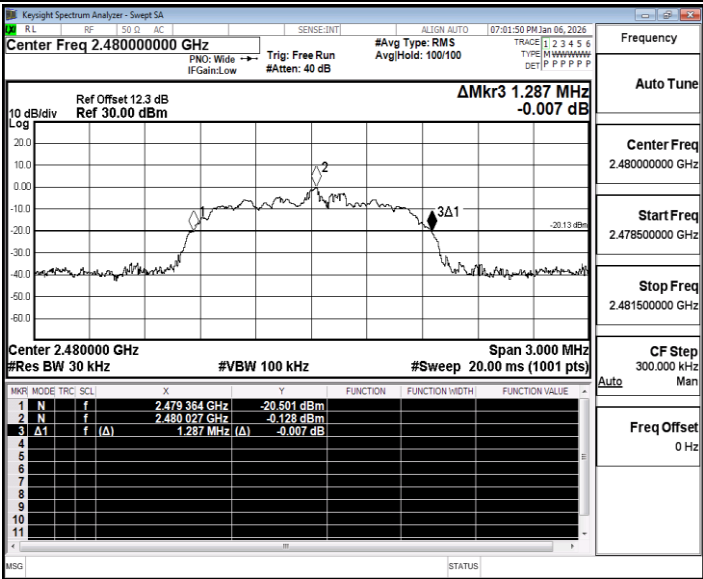
2DH5_Ant1_2402



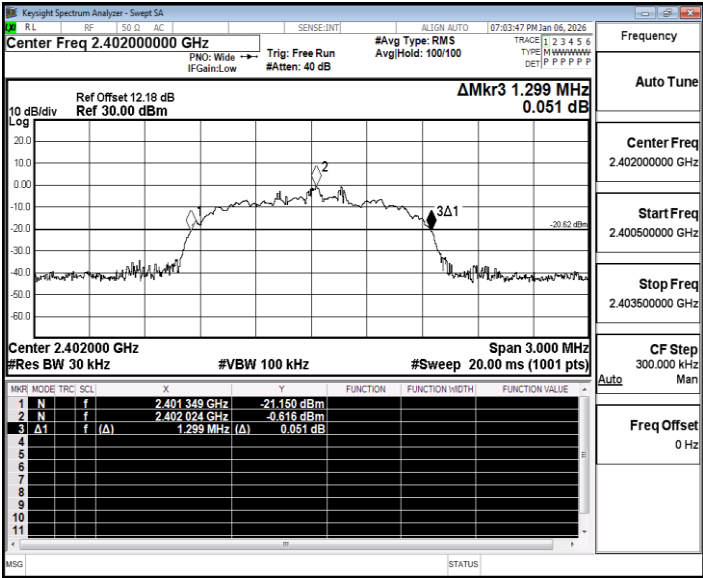
2DH5_Ant1_2441



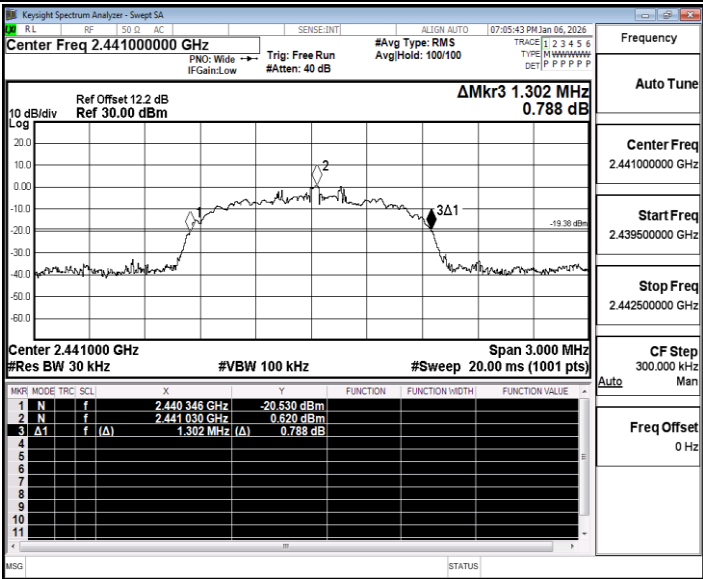
2DH5_Ant1_2480



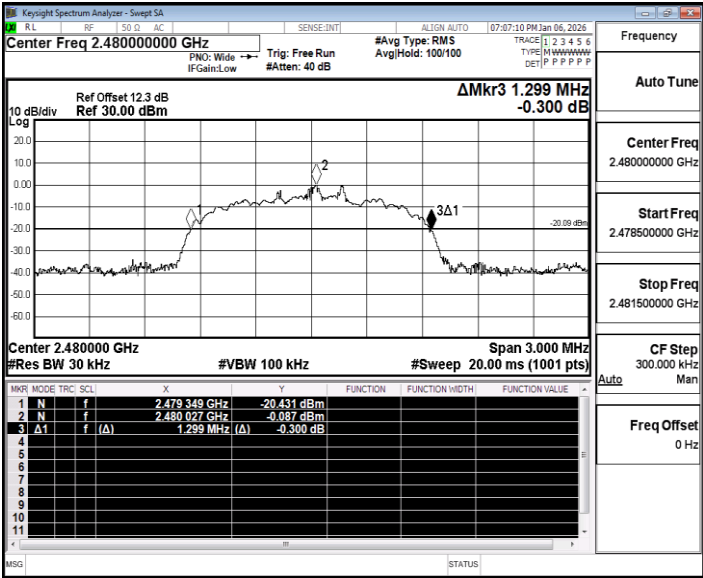
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



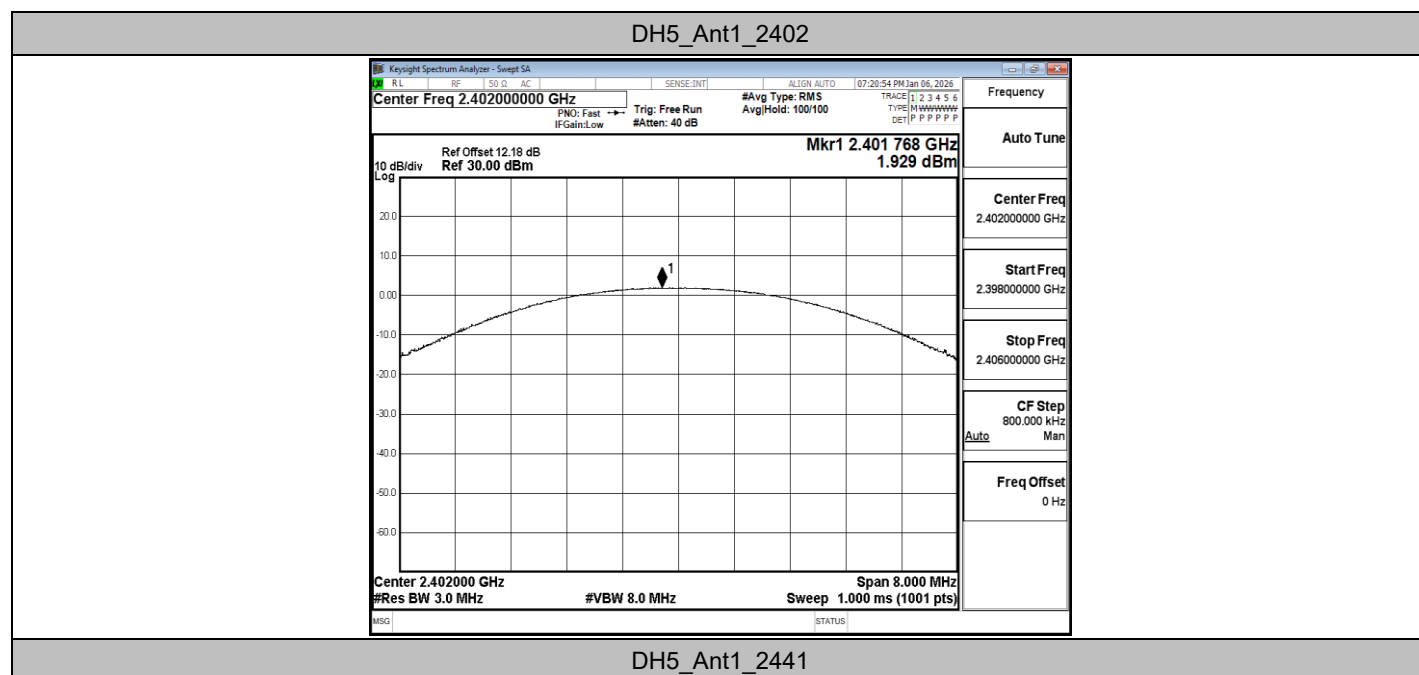
A.2 Maximum Peak conducted output power

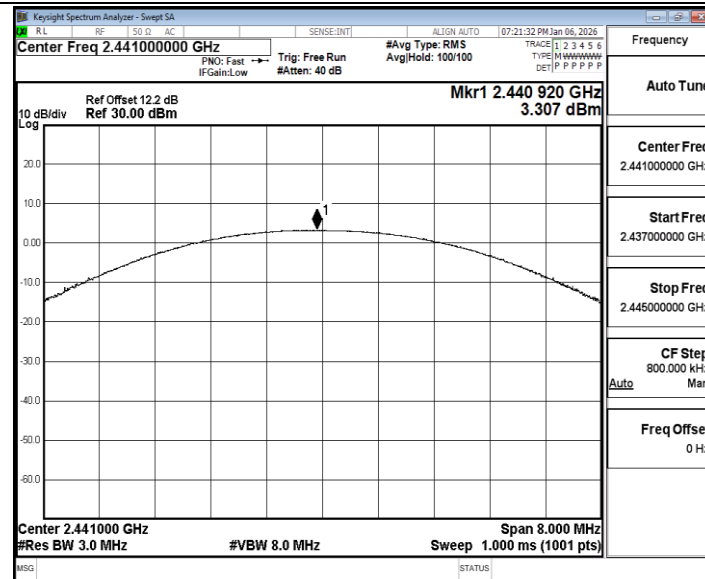
Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.93	≤30	PASS
		2441	3.31	≤30	PASS
		2480	2.37	≤30	PASS
2DH5	Ant1	2402	3.35	≤20.97	PASS
		2441	4.49	≤20.97	PASS
		2480	3.46	≤20.97	PASS
3DH5	Ant1	2402	3.60	≤20.97	PASS
		2441	4.67	≤20.97	PASS
		2480	3.66	≤20.97	PASS

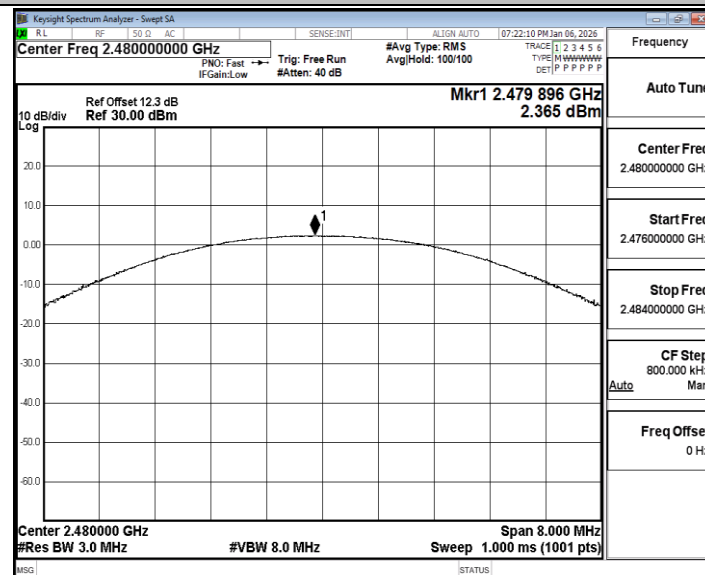
Note: offset=System attenuation +cabal loss

Test Graphs

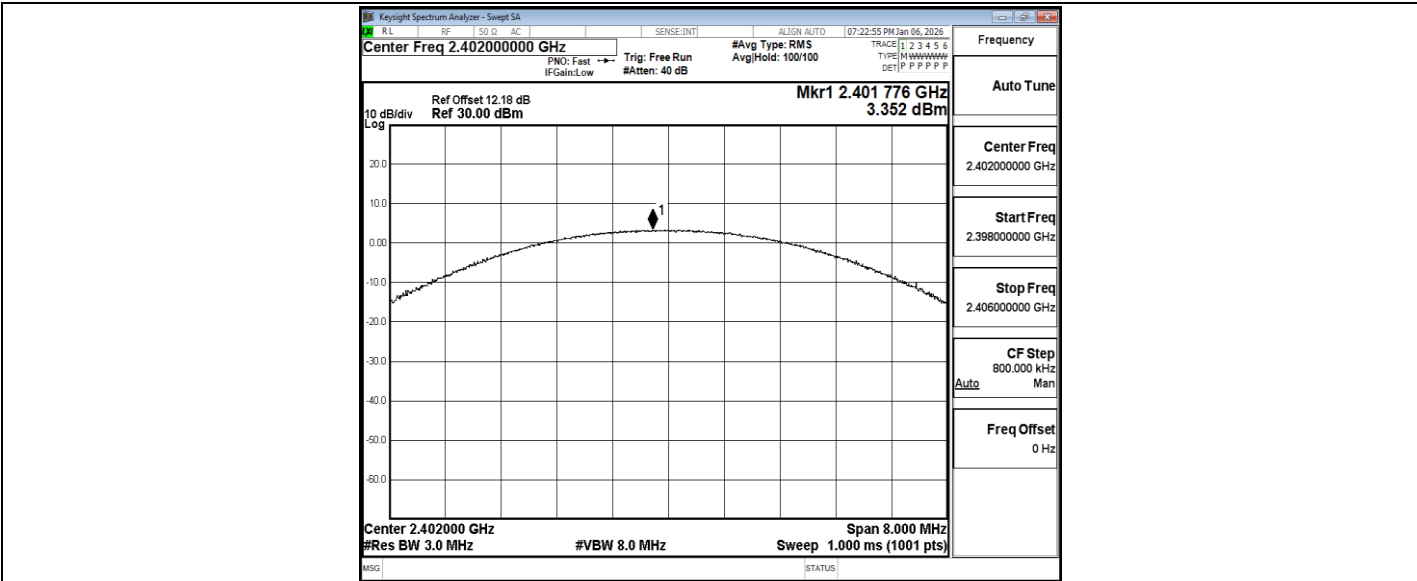




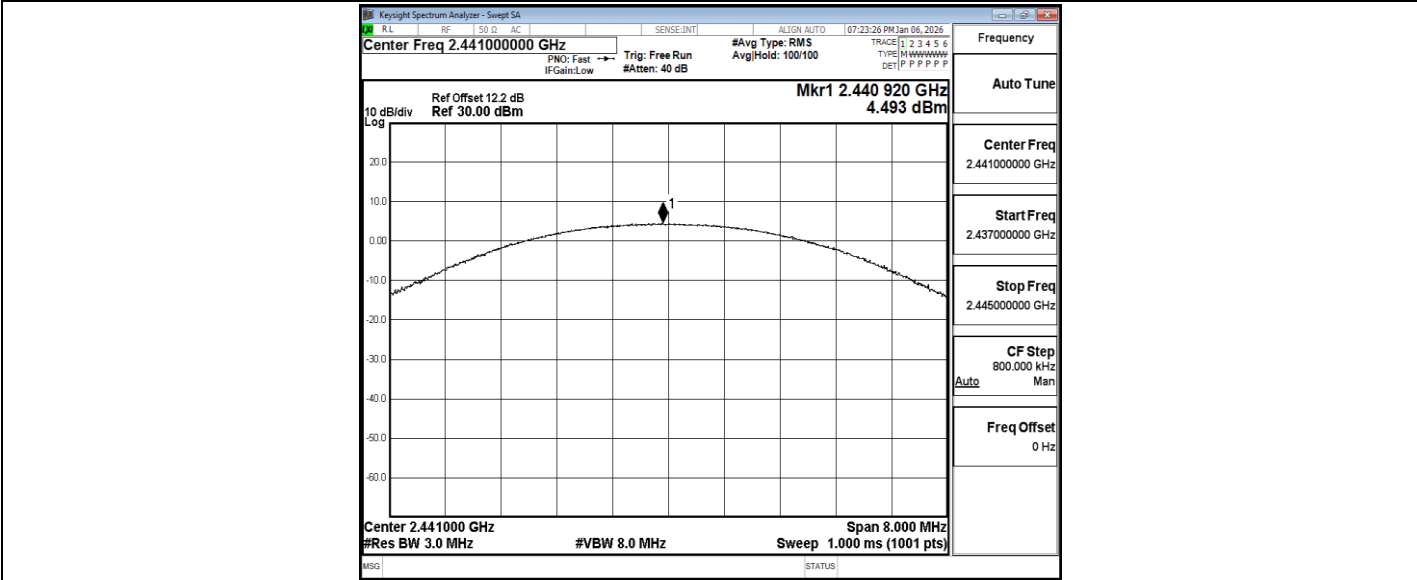
DH5_Ant1_2480



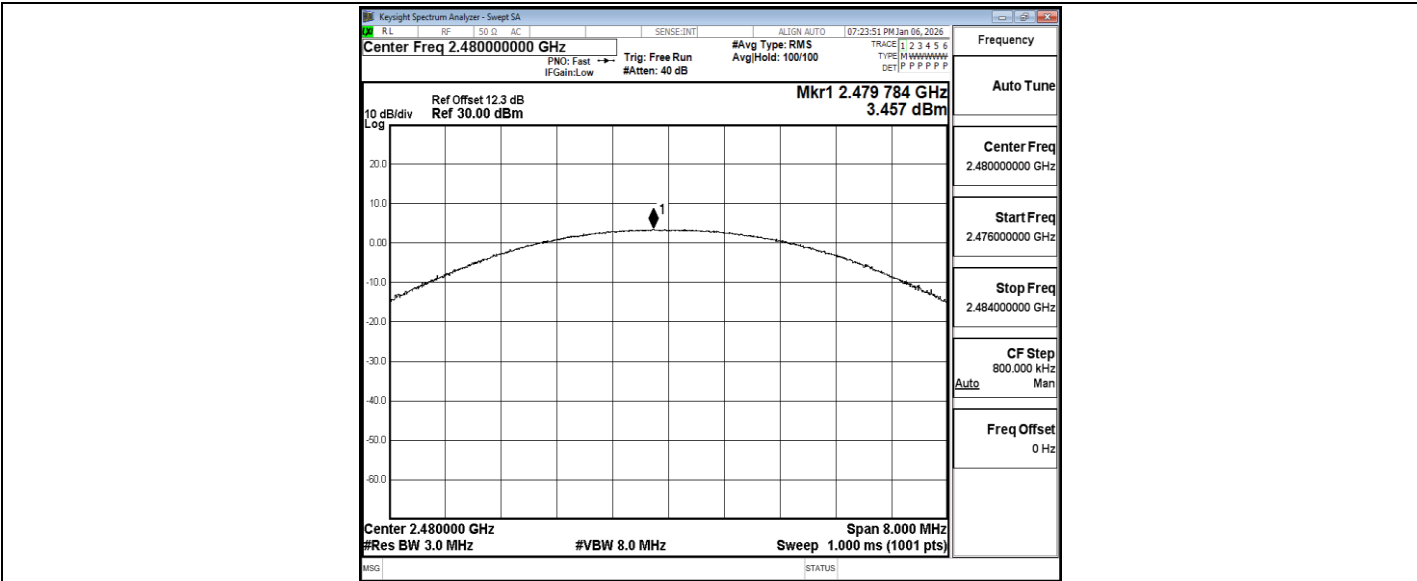
2DH5 Ant1 2402



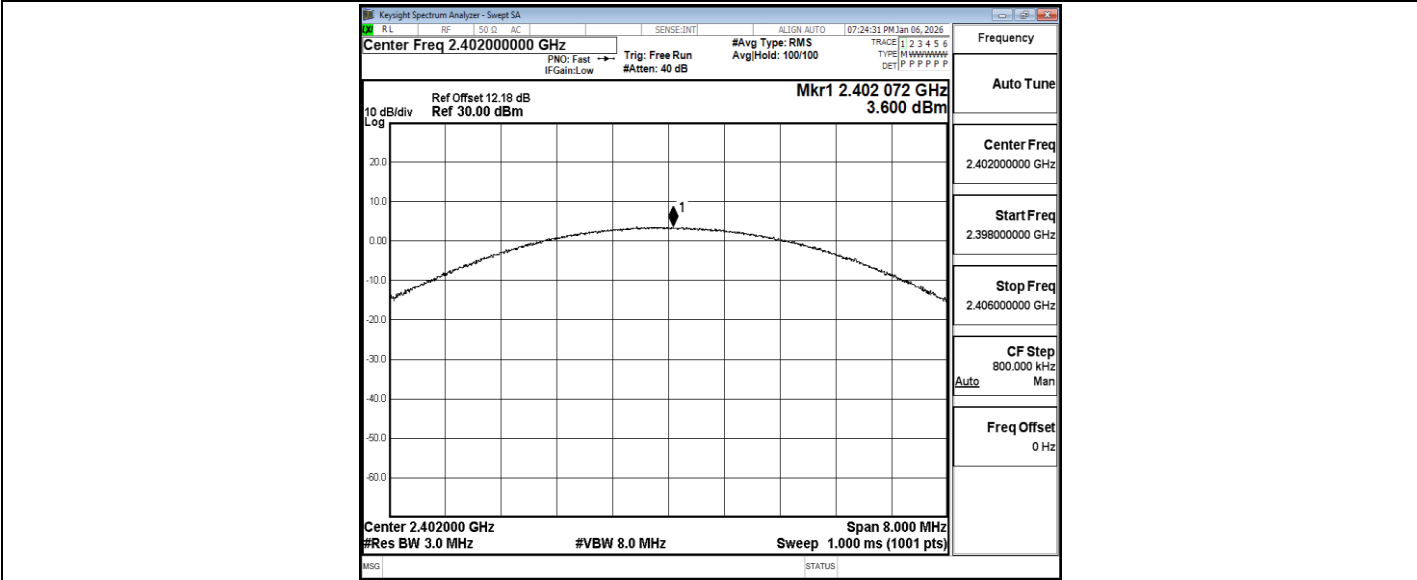
2DH5_Ant1_2441



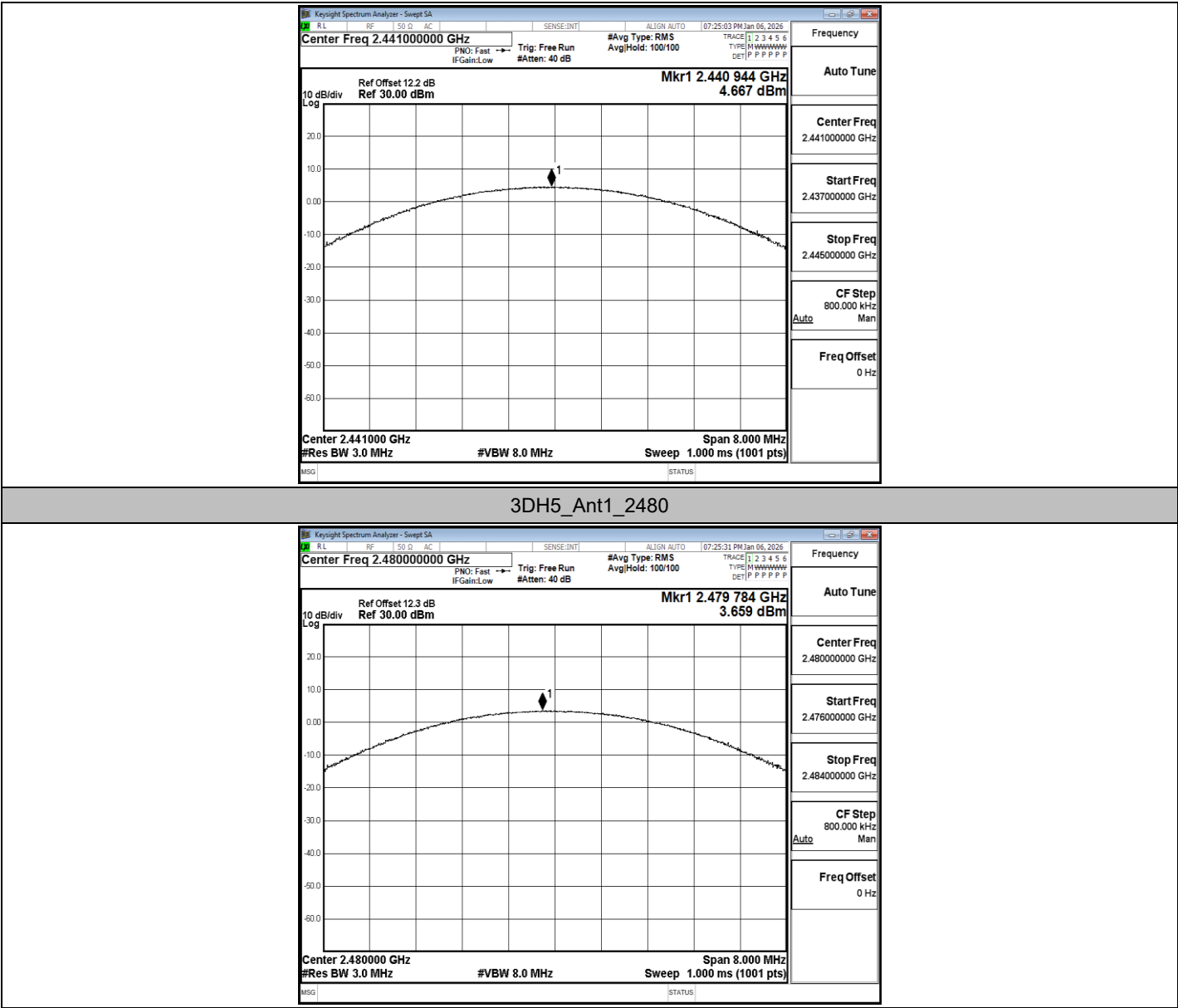
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



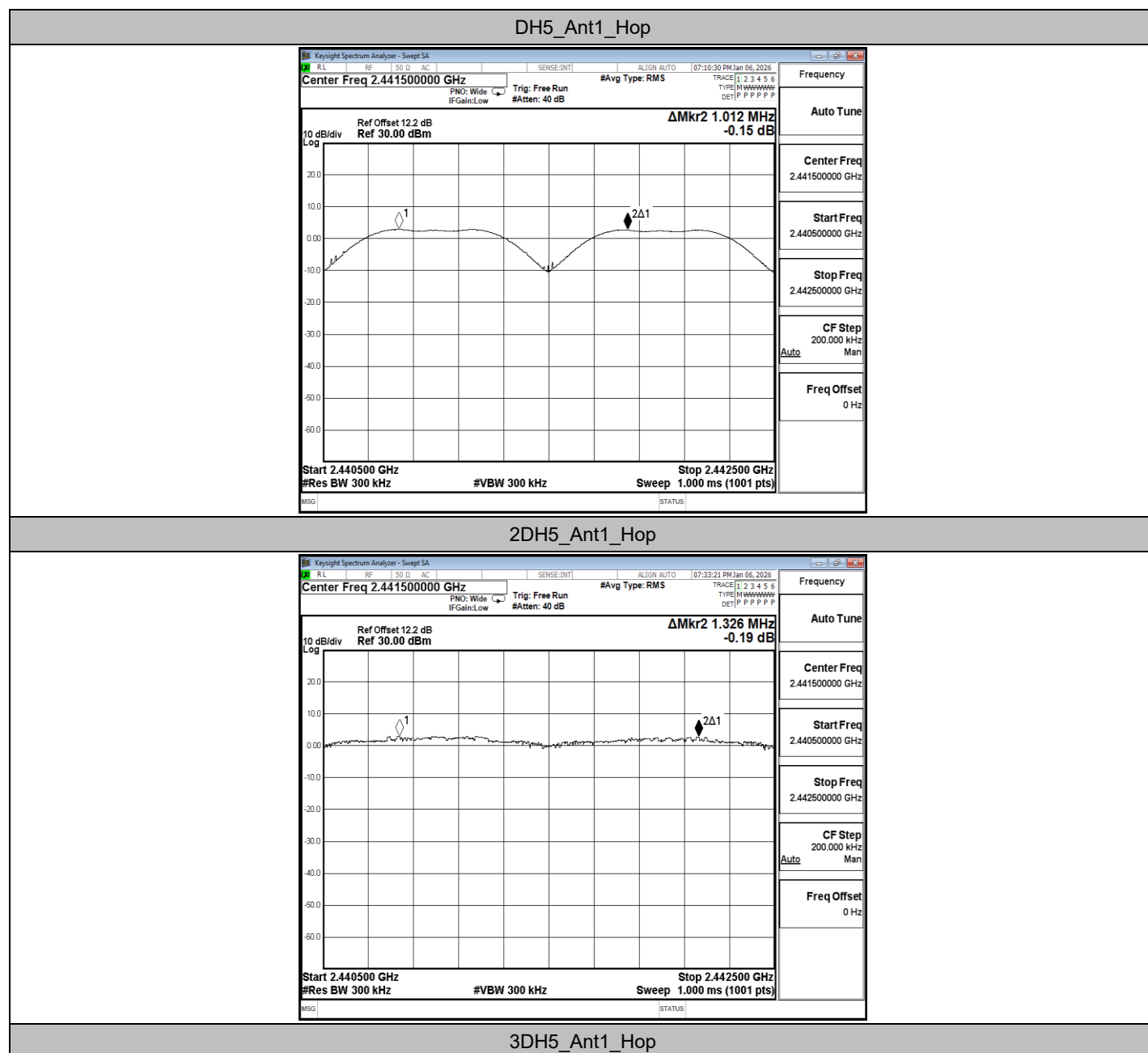
A.3 Carrier frequency separation

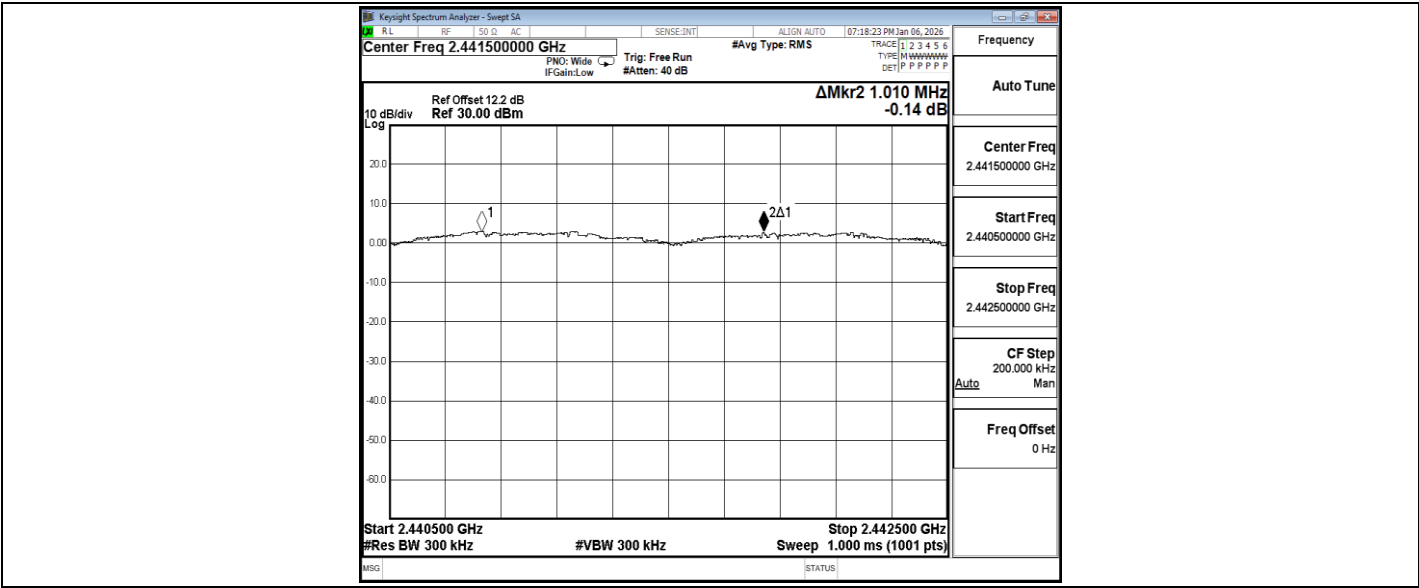
Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥0.642	PASS
2DH5	Ant1	Hop	1.326	≥0.860	PASS
3DH5	Ant1	Hop	1.01	≥0.868	PASS

Note: offset=System attenuation +cabal loss

Test Graphs





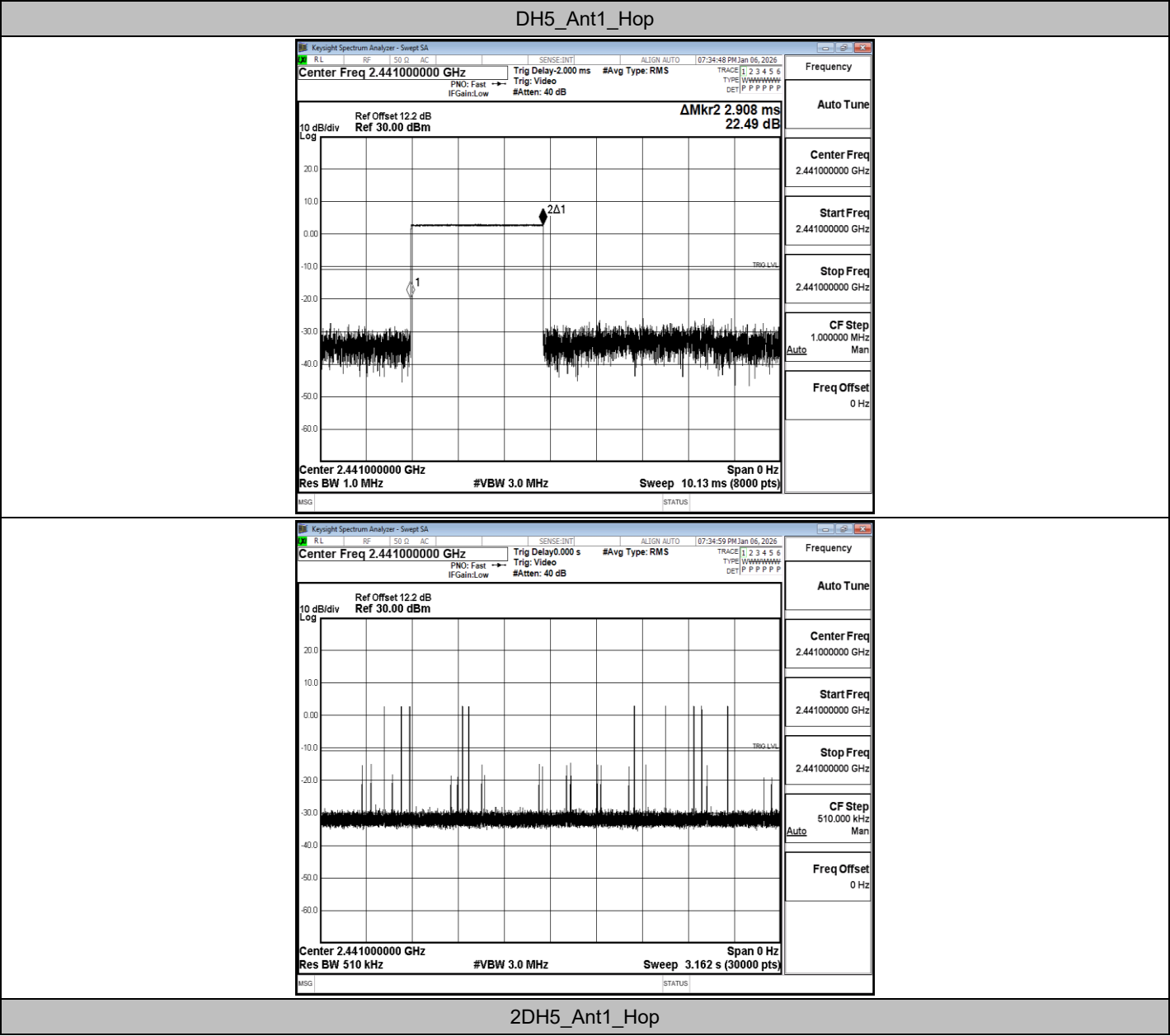
A.4 Time of occupancy

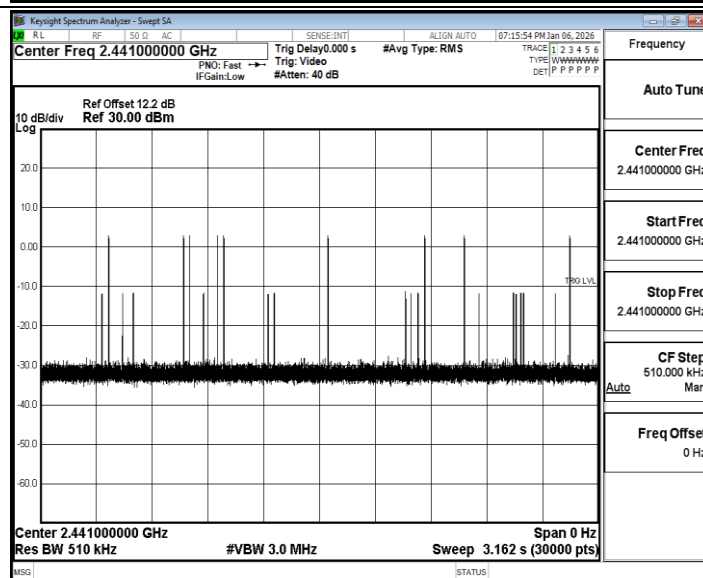
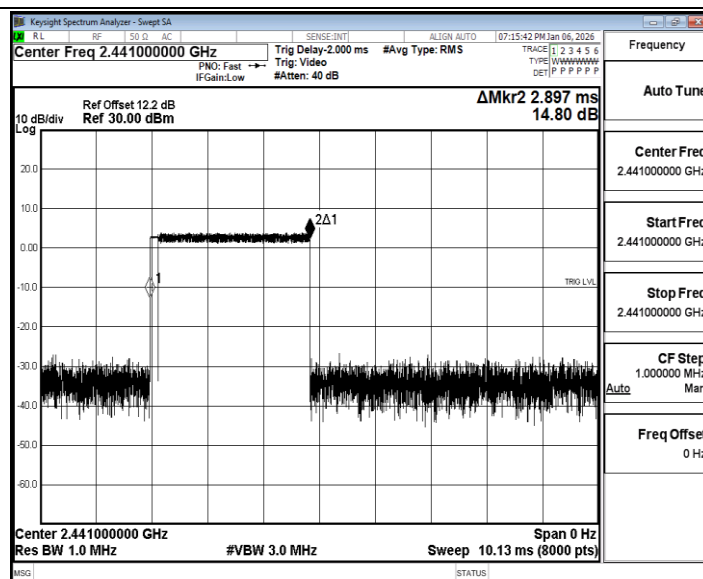
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.897	100	0.29	≤0.4	PASS
3DH5	Ant1	Hop	2.897	70	0.203	≤0.4	PASS

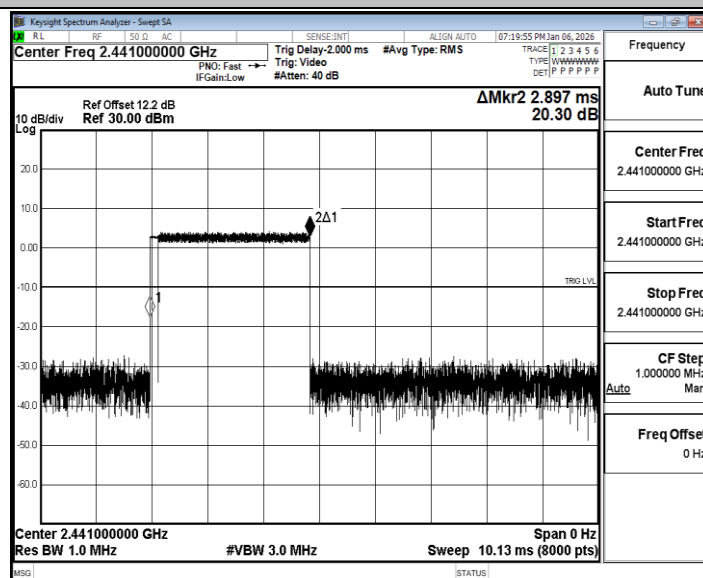
Note: offset=System attenuation +cabal loss

Test Graphs





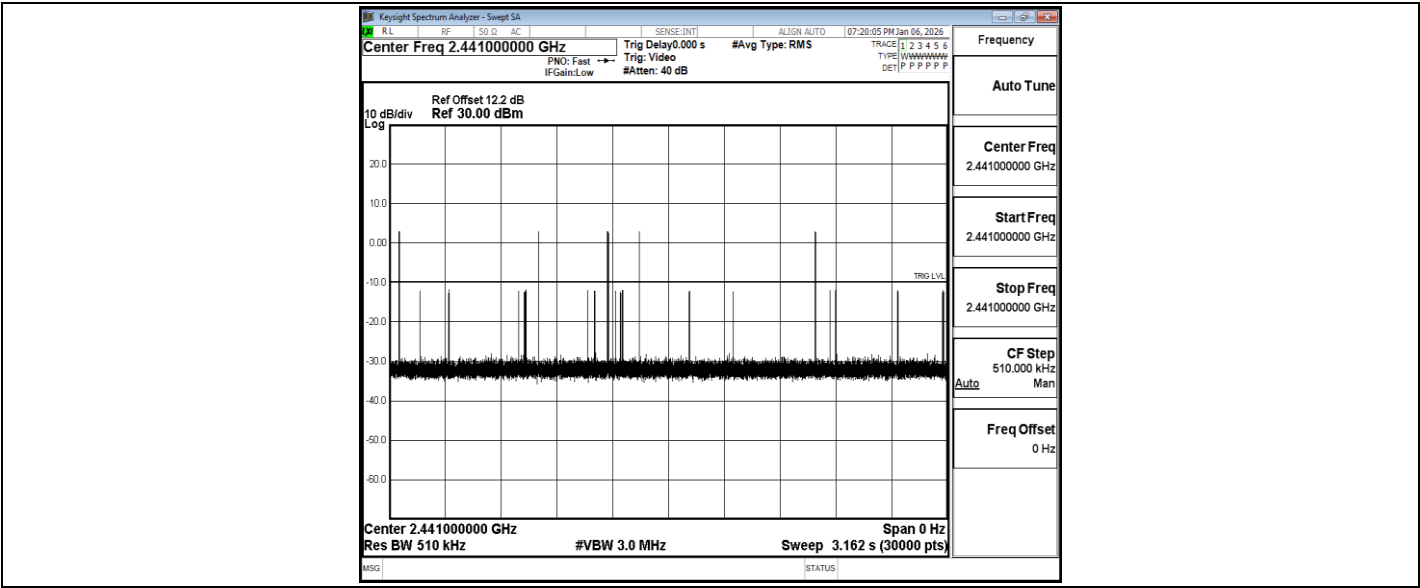
3DH5_Ant1_Hop



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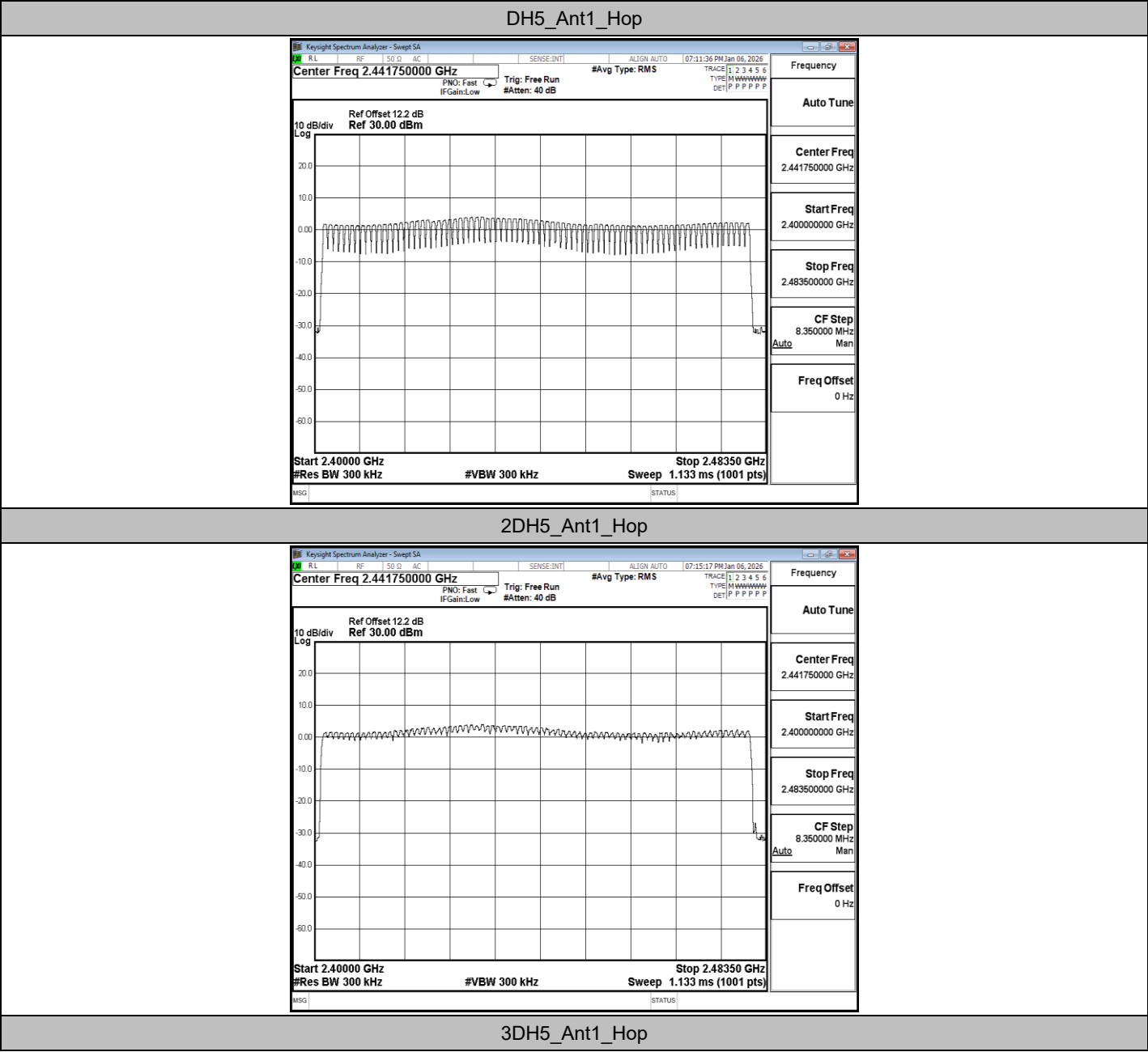
A.5 Number of hopping channels

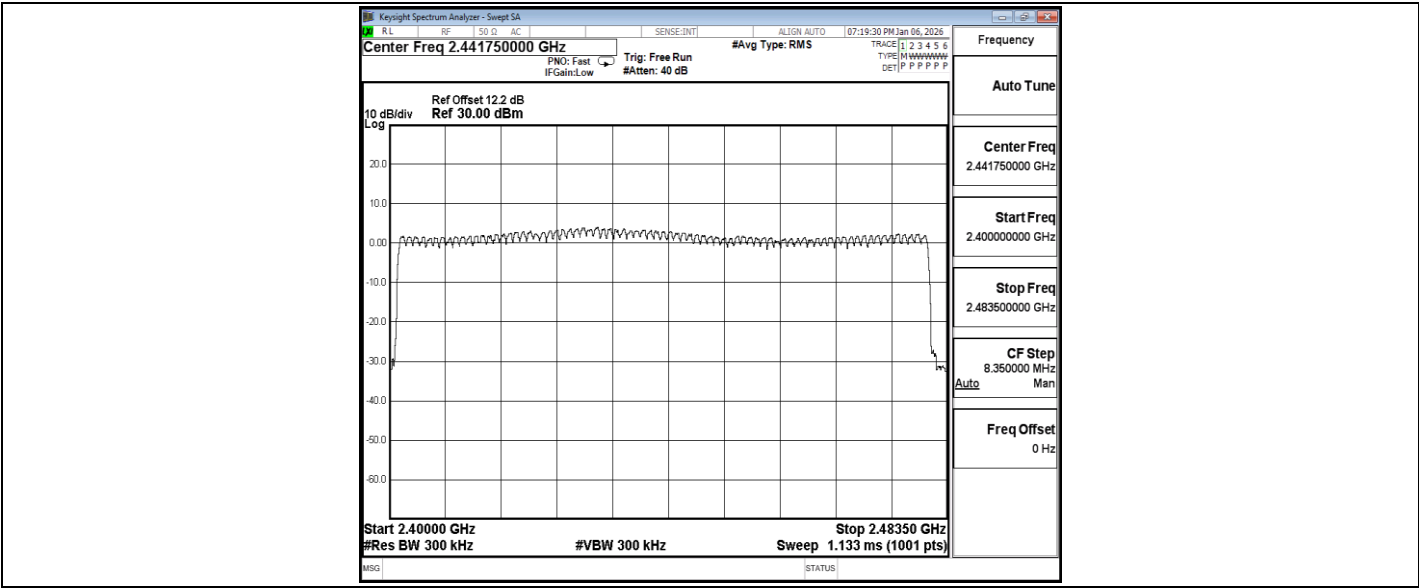
Test Result

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 +cabal loss

Test Graphs





A.6 Band edge measurements

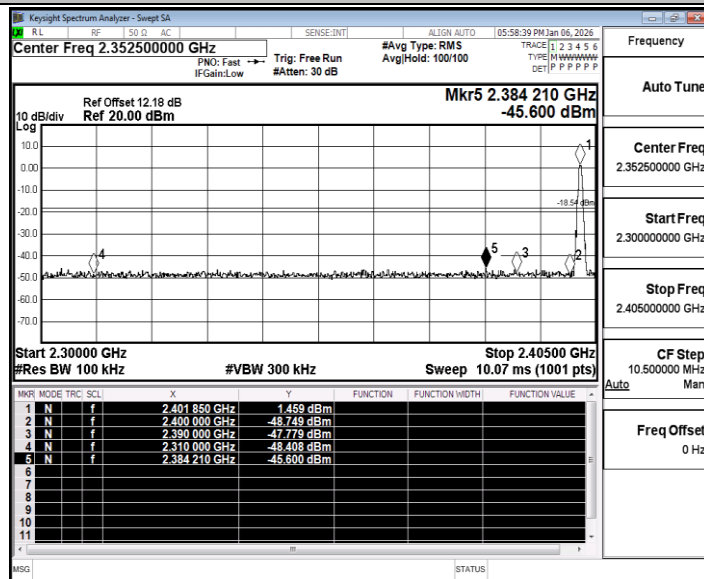
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.46	-45.6	≤ -18.54	PASS
		High	2480	1.13	-44.92	≤ -18.87	PASS
		Low	Hop_2402	0.28	-45.2	≤ -19.72	PASS
		High	Hop_2480	1.80	-45.02	≤ -18.2	PASS
2DH5	Ant1	Low	2402	1.40	-45.74	≤ -18.6	PASS
		High	2480	-0.88	-45.07	≤ -20.88	PASS
		Low	Hop_2402	0.28	-45.44	≤ -19.72	PASS
		High	Hop_2480	-0.88	-44.77	≤ -20.88	PASS
3DH5	Ant1	Low	2402	0.78	-45.71	≤ -19.22	PASS
		High	2480	1.46	-44.87	≤ -18.54	PASS
		Low	Hop_2402	0.36	-45.37	≤ -19.65	PASS
		High	Hop_2480	-0.74	-44.02	≤ -20.74	PASS

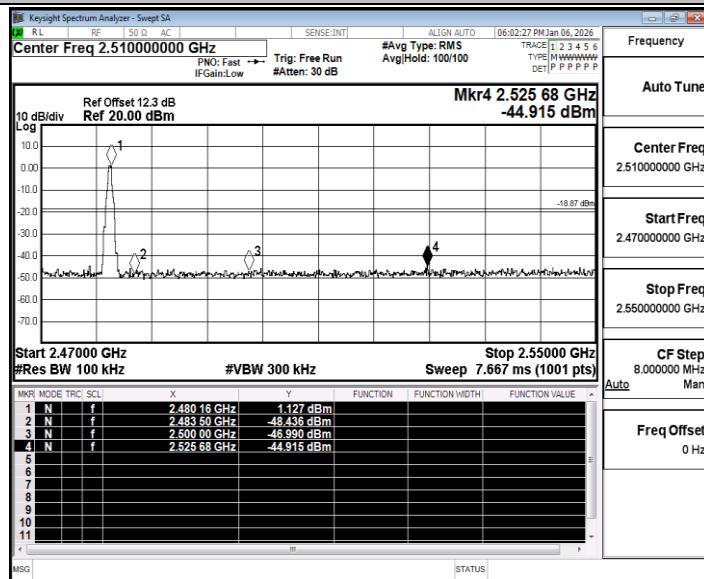
Note: offset=System attenuation +cable loss

Test Graphs

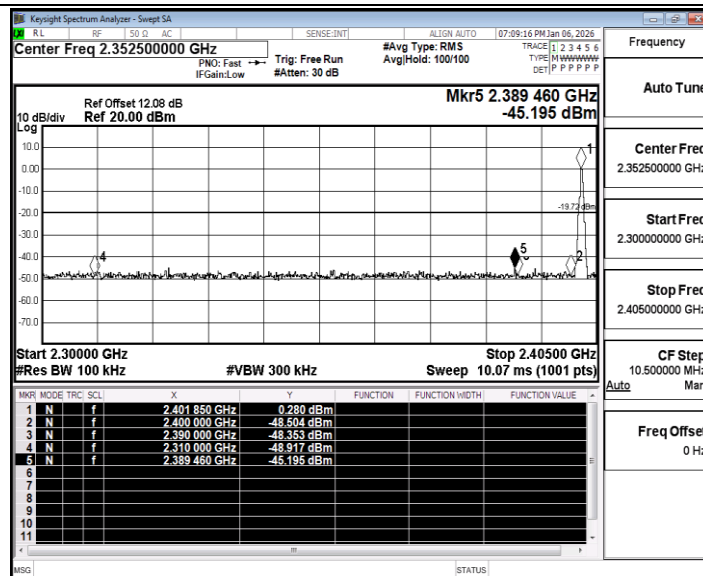
DH5_Ant1_Low_2402



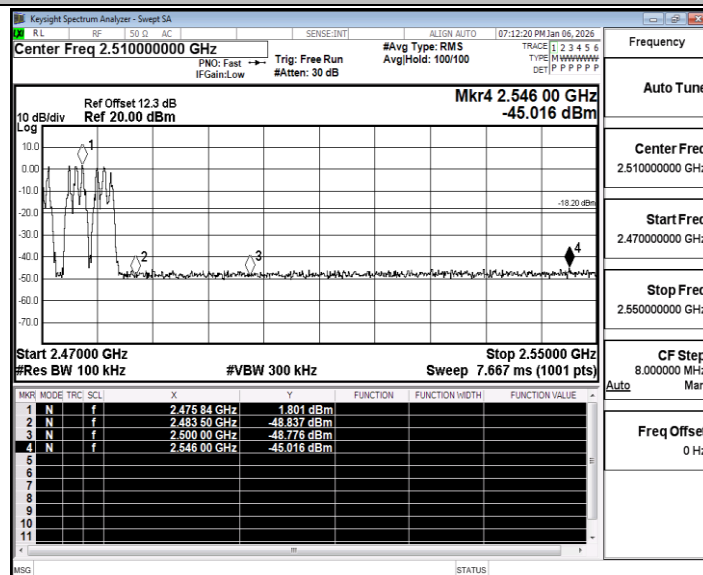
DH5_Ant1_High_2480



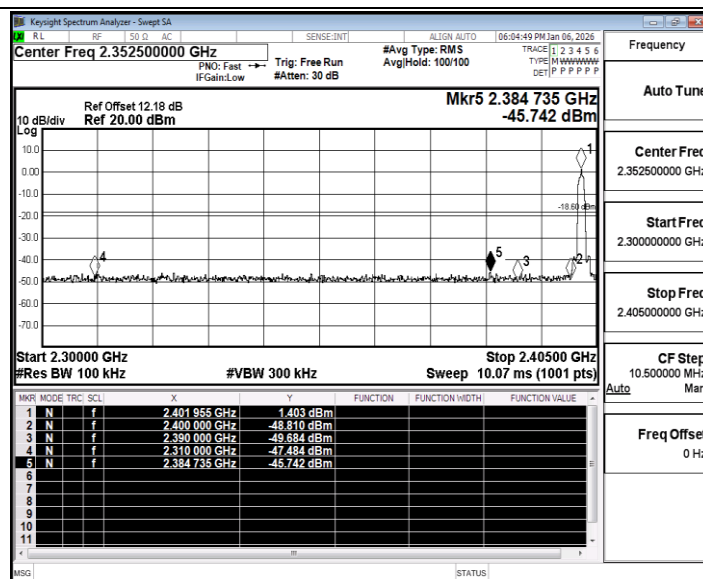
DH5_Ant1_Low_Hop_2402



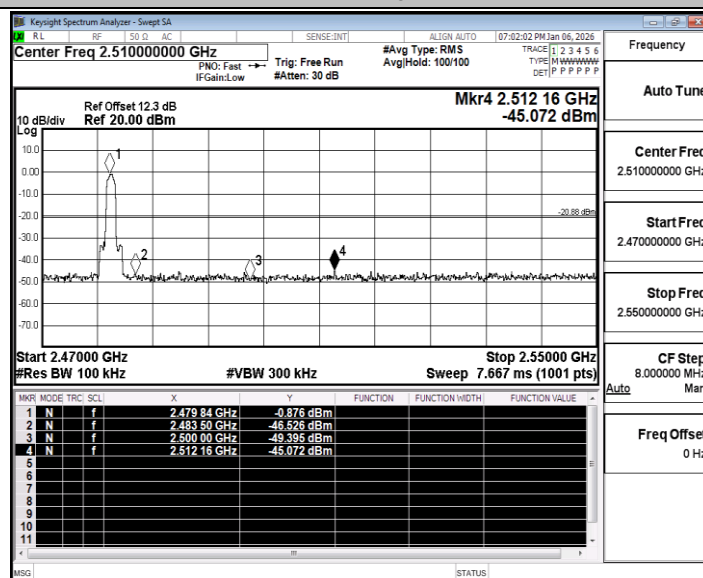
DH5_Ant1_High_Hop_2480



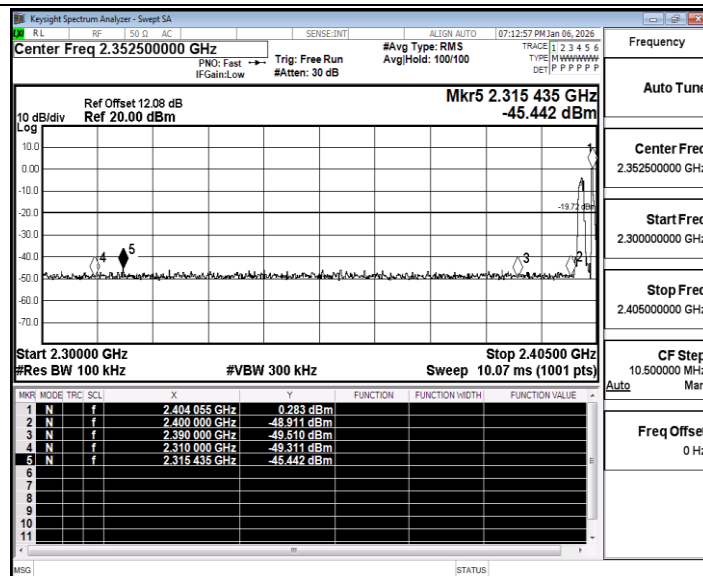
2DH5_Ant1_Low_2402



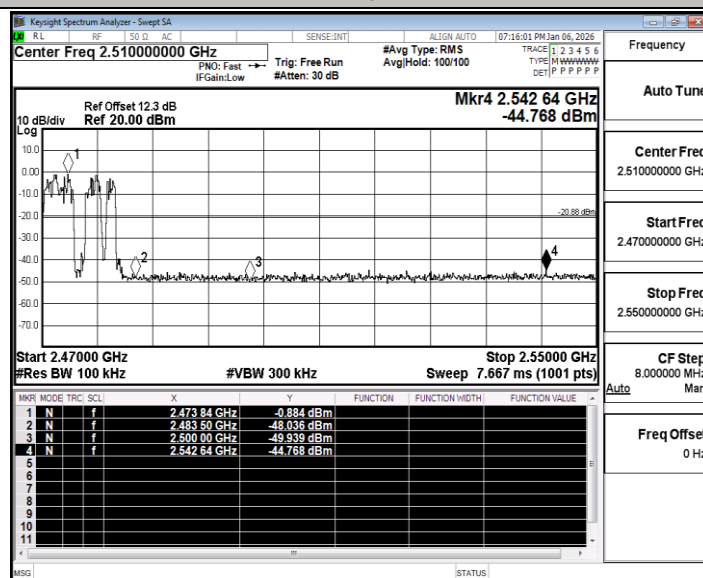
2DH5_Ant1_High_2480



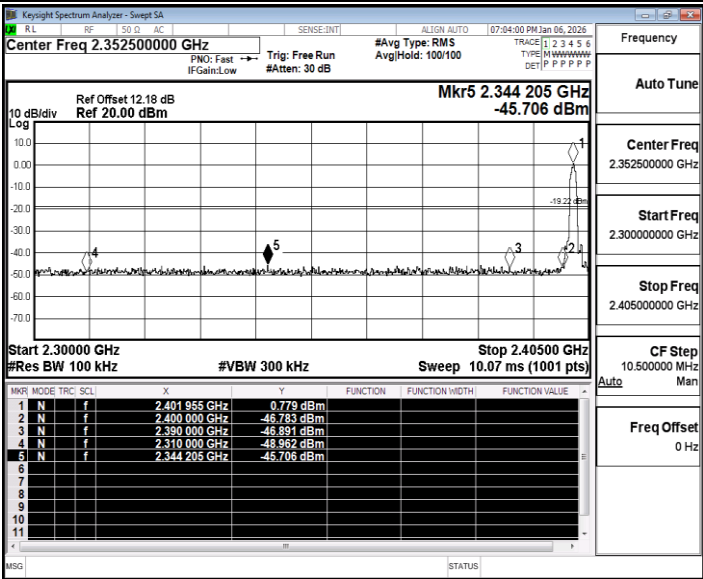
2DH5_Ant1_Low_Hop_2402



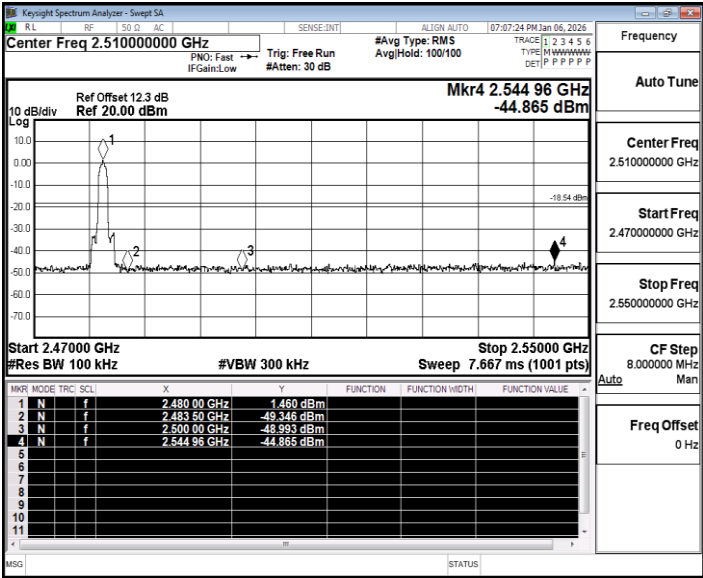
2DH5_Ant1_High_Hop_2480



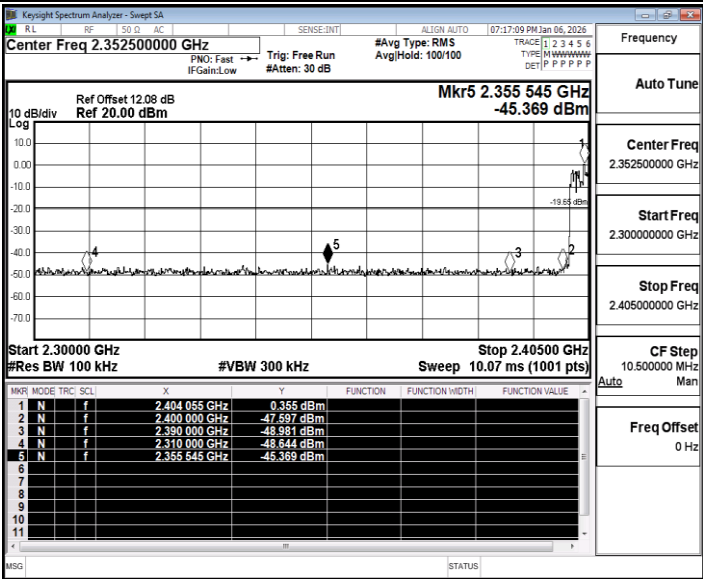
3DH5_Ant1_Low_2402



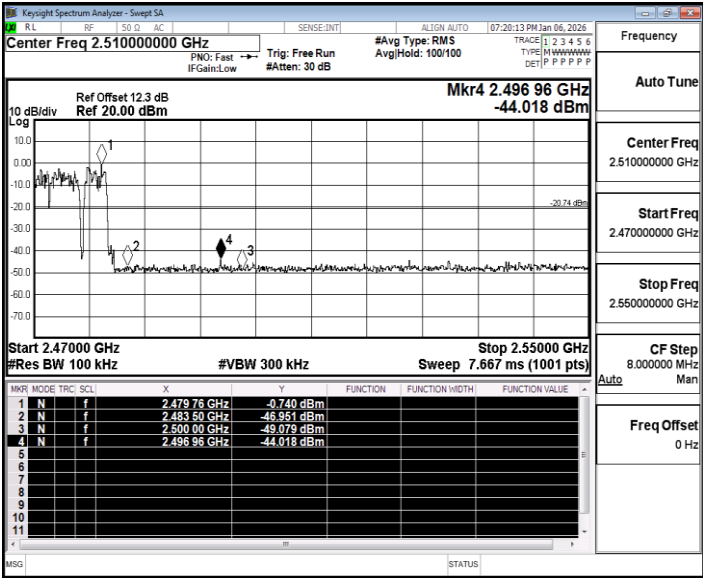
3DH5_Ant1_High_2480



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	1.48	1.48	---	PASS
			30~1000	1.48	-58.39	≤-18.52	PASS
			1000~26500	1.48	-54.59	≤-18.52	PASS
		2441	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-59.03	≤-17.5	PASS
			1000~26500	2.50	-54.06	≤-17.5	PASS
		2480	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-58.9	≤-18.63	PASS
			1000~26500	1.37	-54.47	≤-18.63	PASS
2DH5	Ant1	2402	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-57.12	≤-18.62	PASS
			1000~26500	1.38	-54.55	≤-18.62	PASS
		2441	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-58.97	≤-17.63	PASS
			1000~26500	2.37	-55.02	≤-17.63	PASS
		2480	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-52.7	≤-18.25	PASS
			1000~26500	1.75	-55.33	≤-18.25	PASS
3DH5	Ant1	2402	Reference	1.47	1.47	---	PASS
			30~1000	1.47	-57.21	≤-18.53	PASS
			1000~26500	1.47	-54.15	≤-18.53	PASS
		2441	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-50.9	≤-17.17	PASS
			1000~26500	2.83	-54.87	≤-17.17	PASS
		2480	Reference	1.89	1.89	---	PASS
			30~1000	1.89	-54.29	≤-18.11	PASS
			1000~26500	1.89	-54.17	≤-18.11	PASS

Note: offset=System attenuation +cable loss

Test Graphs

