

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless audio adapter

Test Model: B06Pro+

Environmental Conditions

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

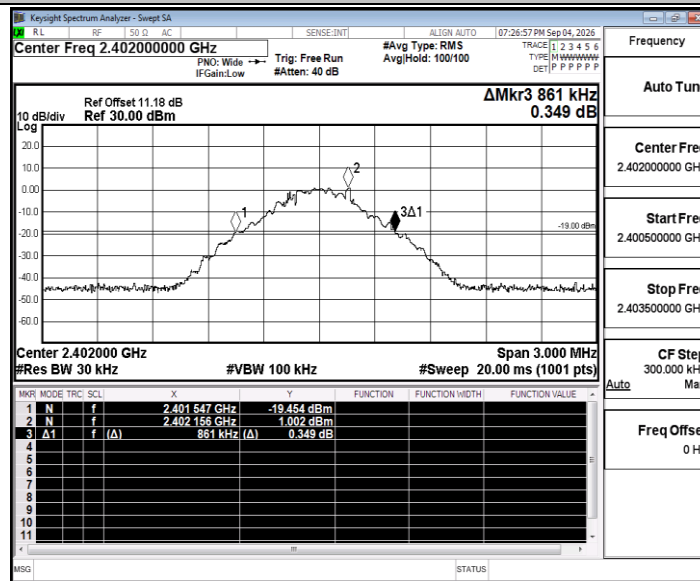
A.1 20dB Emission Bandwidth

Test Result

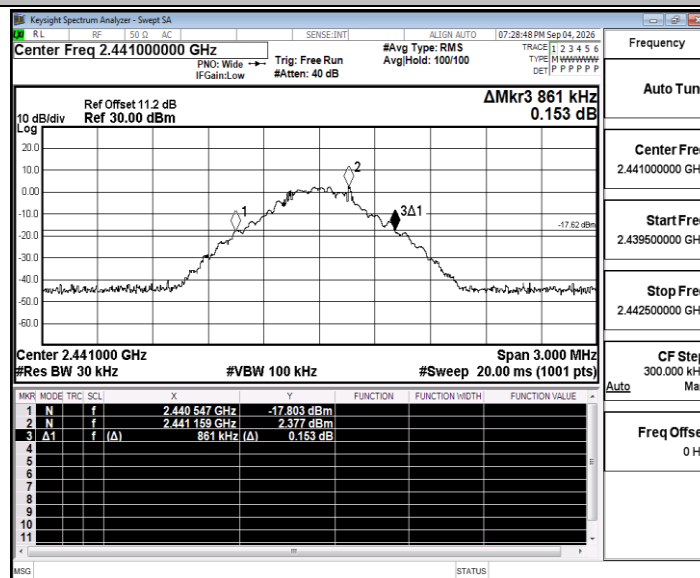
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.861	2401.547	2402.408	---	---
		2441	0.861	2440.547	2441.408	---	---
		2480	0.861	2479.547	2480.408	---	---
2DH5	Ant1	2402	1.260	2401.367	2402.627	---	---
		2441	1.275	2440.367	2441.642	---	---
		2480	1.251	2479.370	2480.621	---	---
3DH5	Ant1	2402	1.254	2401.361	2402.615	---	---
		2441	1.272	2440.355	2441.627	---	---
		2480	1.257	2479.358	2480.615	---	---

Test Graphs

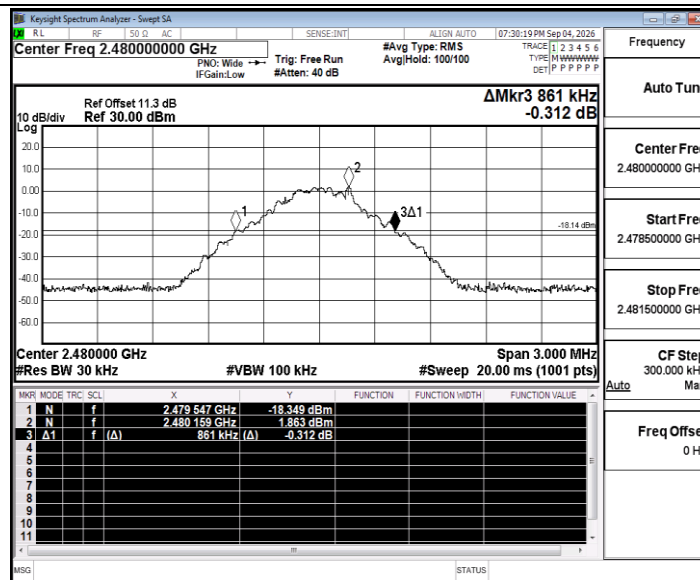
DH5_Ant1_2402



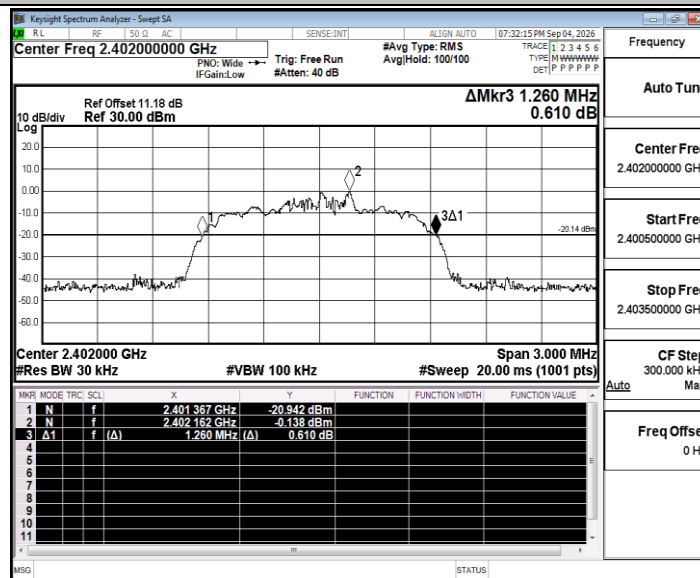
DH5_Ant1_2441



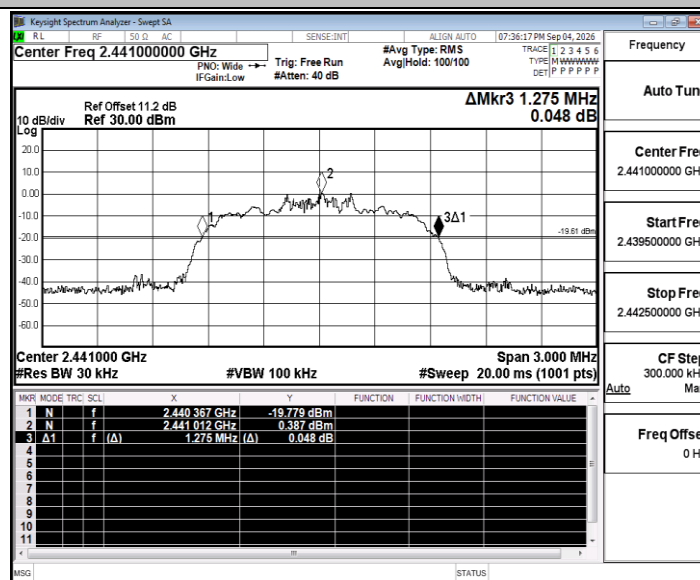
DH5_Ant1_2480



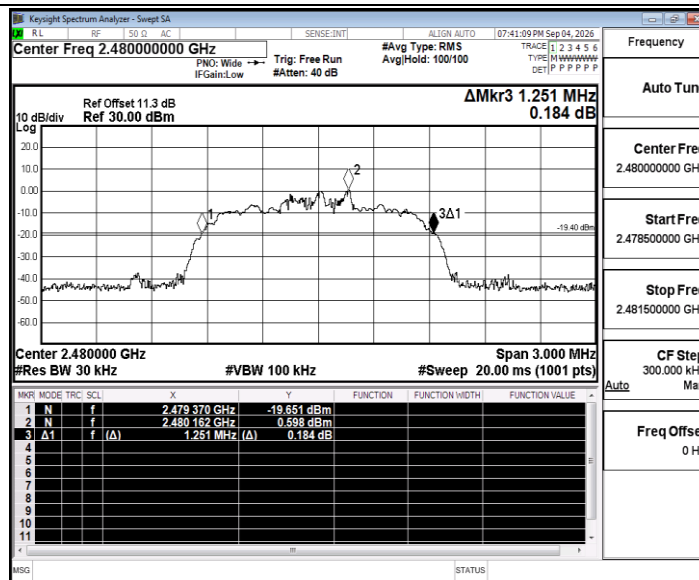
2DH5_Ant1_2402



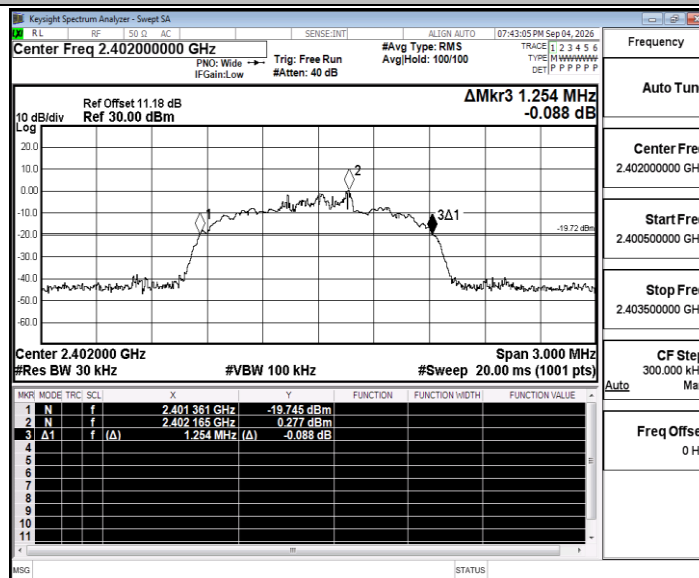
2DH5_Ant1_2441



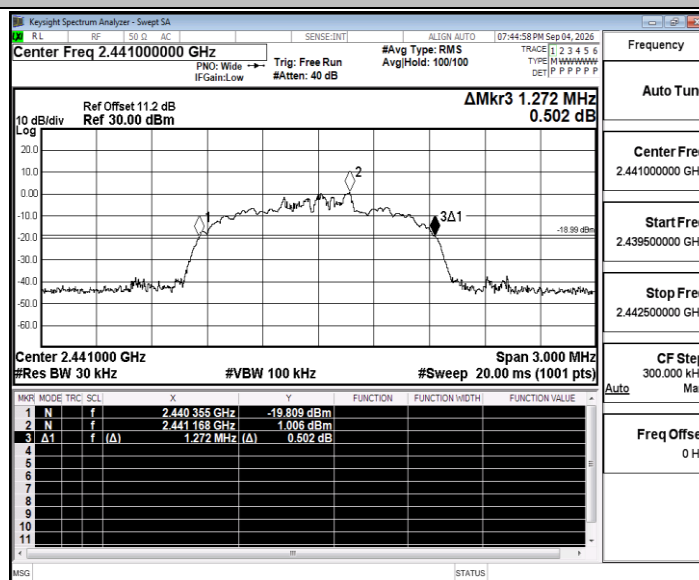
2DH5_Ant1_2480



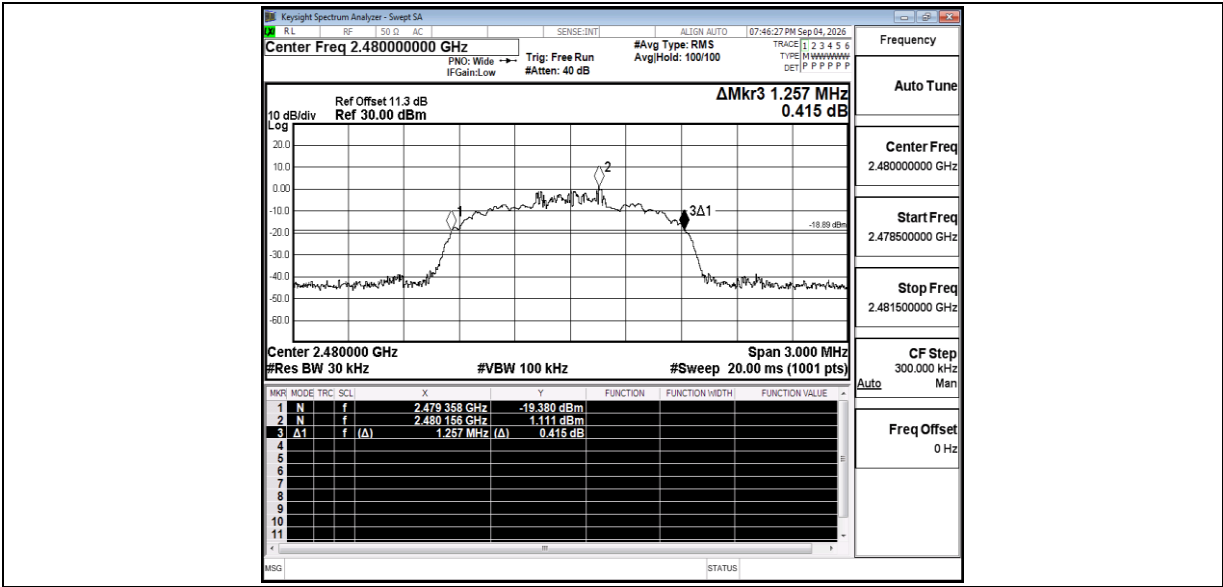
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



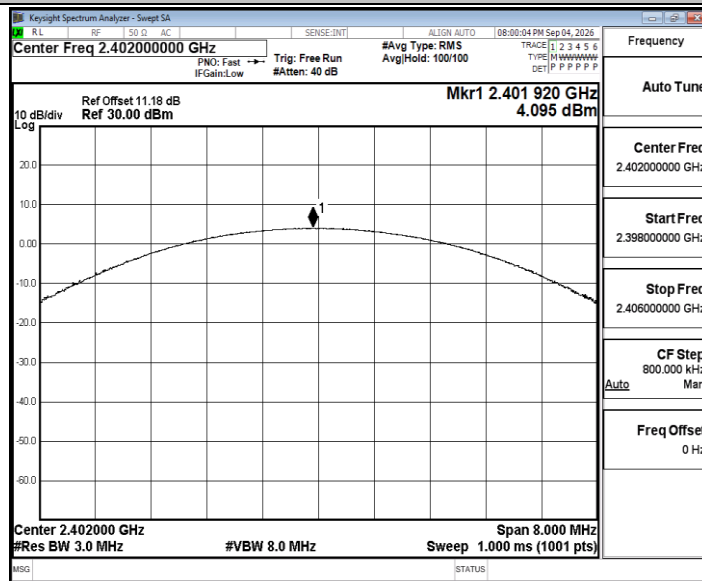
A.2 Maximum Peak conducted output power

Test Result Peak

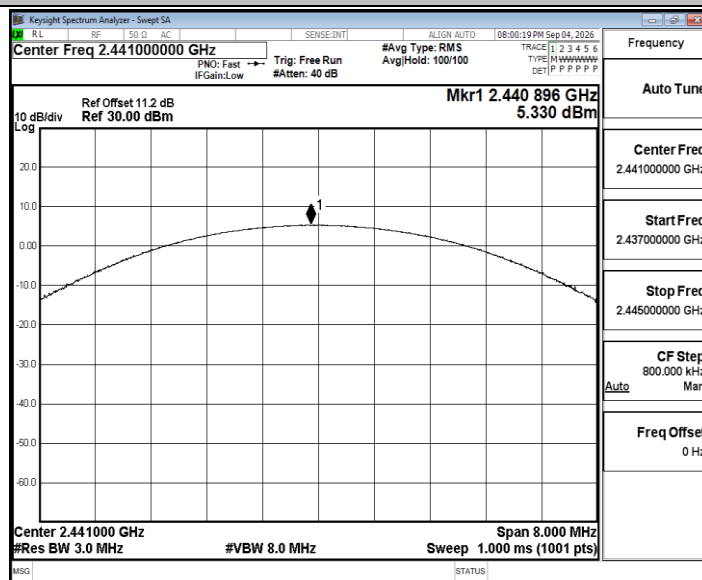
TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.10	≤30	PASS
		2441	5.33	≤30	PASS
		2480	4.85	≤30	PASS
2DH5	Ant1	2402	3.25	≤20.97	PASS
		2441	4.52	≤20.97	PASS
		2480	4.00	≤20.97	PASS
3DH5	Ant1	2402	3.27	≤20.97	PASS
		2441	4.51	≤20.97	PASS
		2480	4.12	≤20.97	PASS

Test Graphs

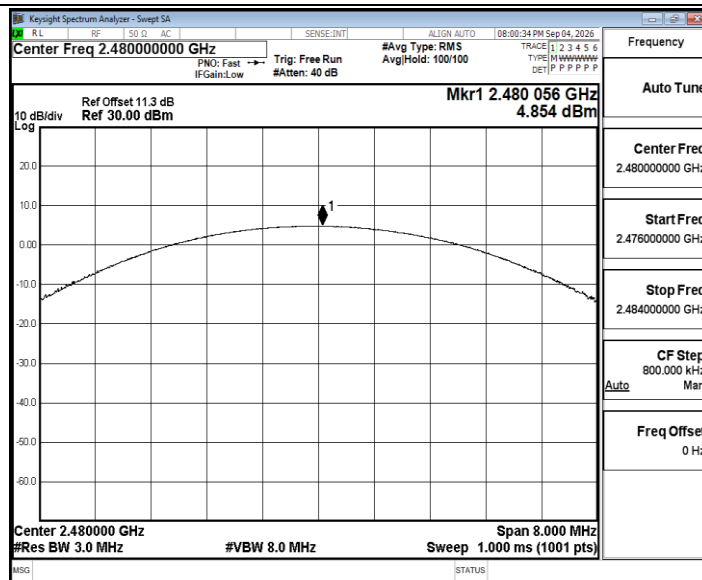
DH5_Ant1_2402



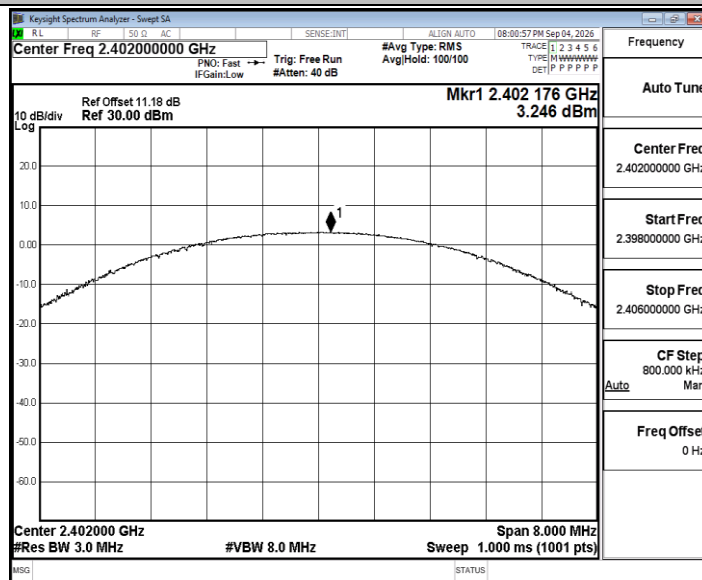
DH5_Ant1_2441



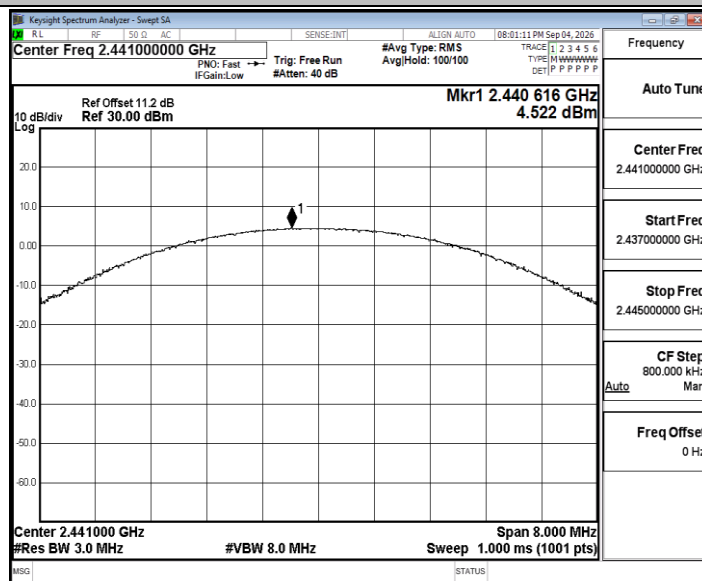
DH5_Ant1_2480



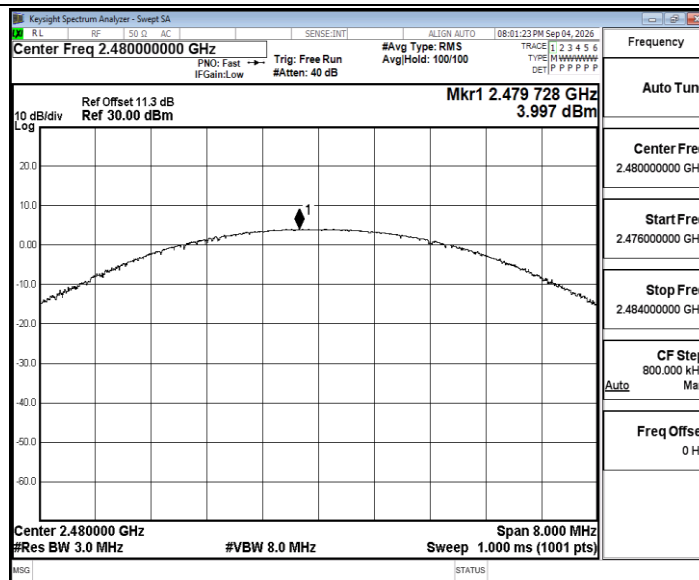
2DH5_Ant1_2402



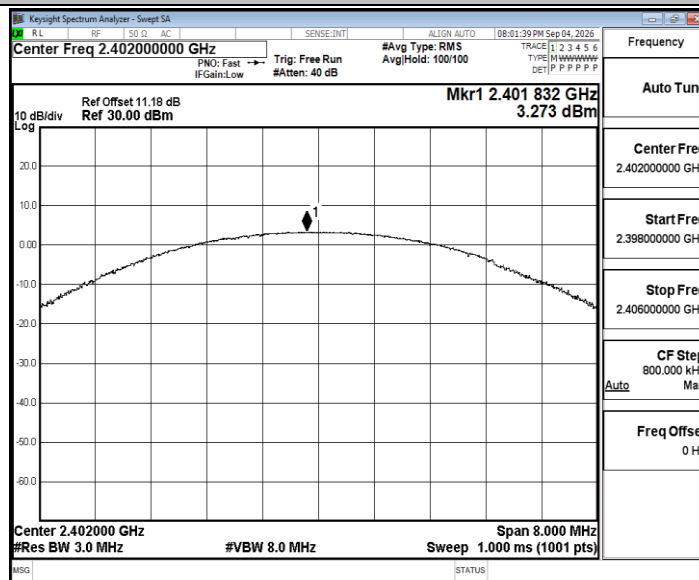
2DH5_Ant1_2441



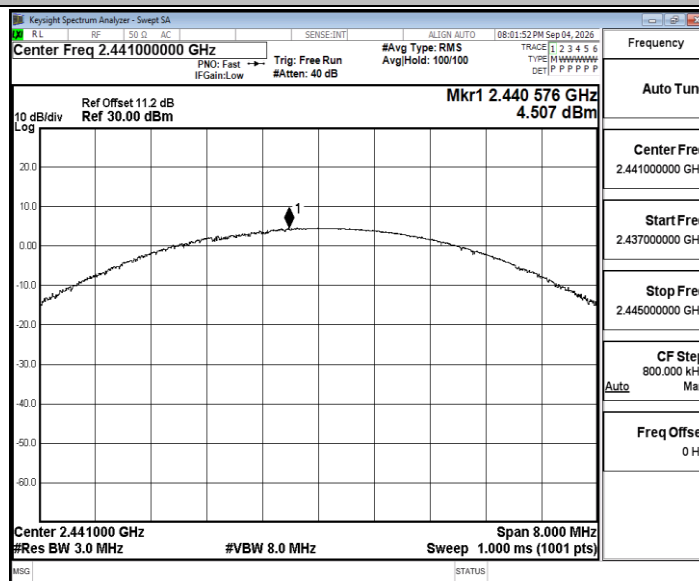
2DH5_Ant1_2480



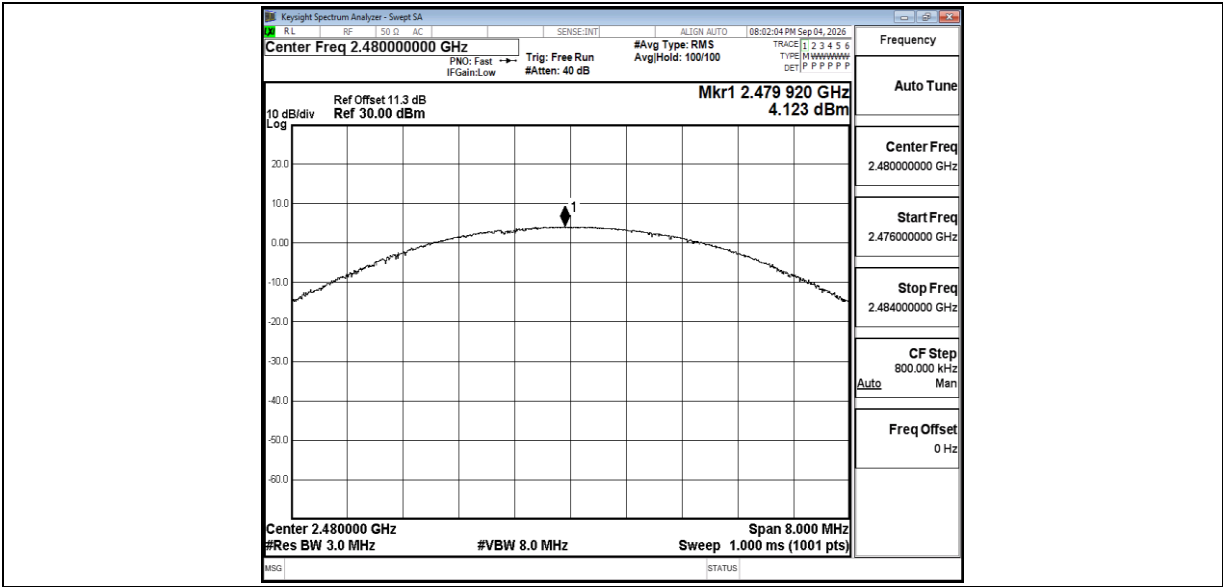
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

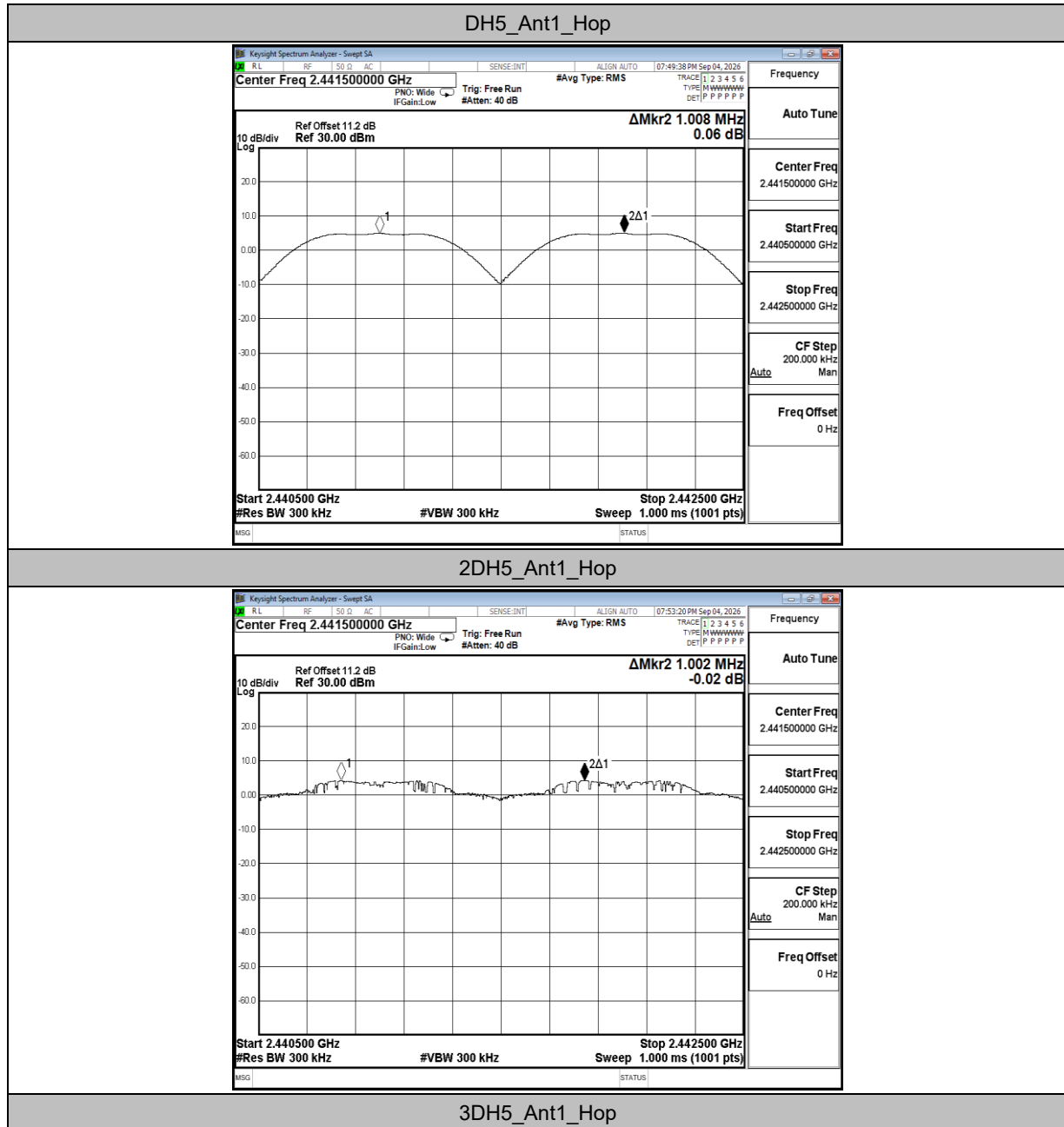


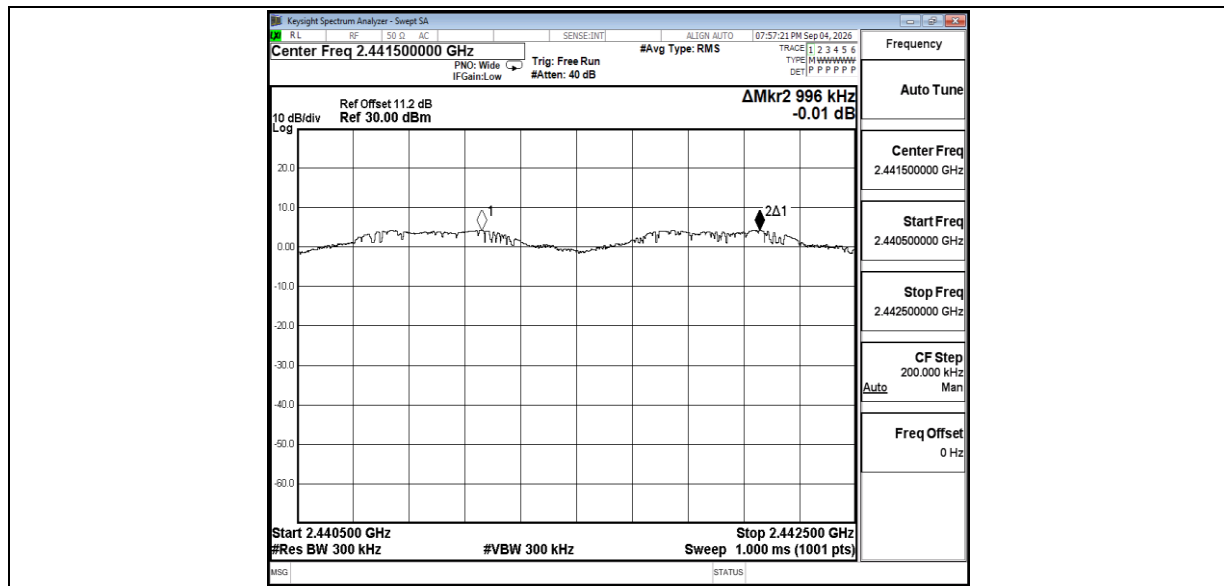
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	≥0.574	PASS
2DH5	Ant1	Hop	1.002	≥0.850	PASS
3DH5	Ant1	Hop	0.996	≥0.848	PASS

Test Graphs



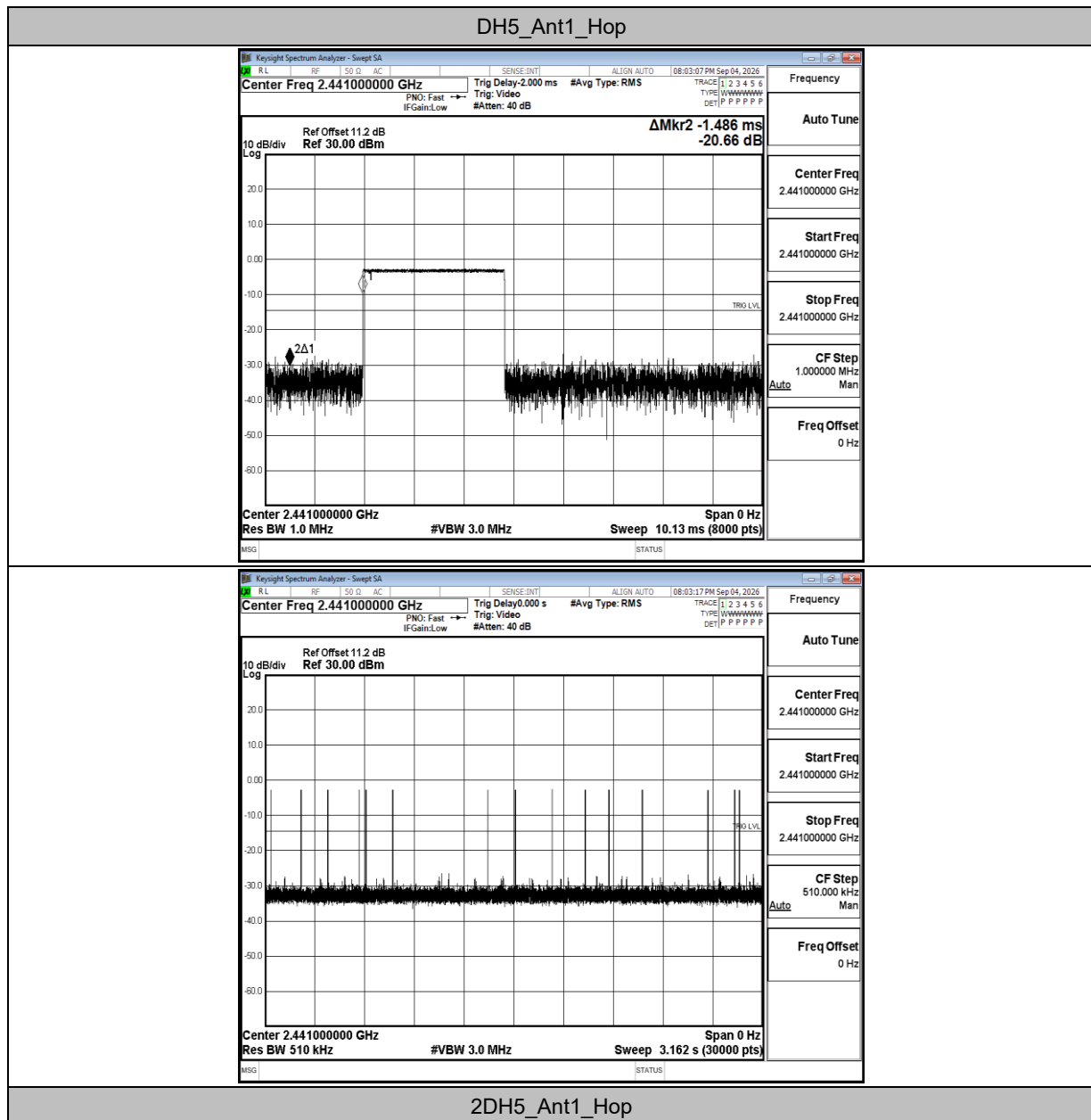


A.4 Time of occupancy

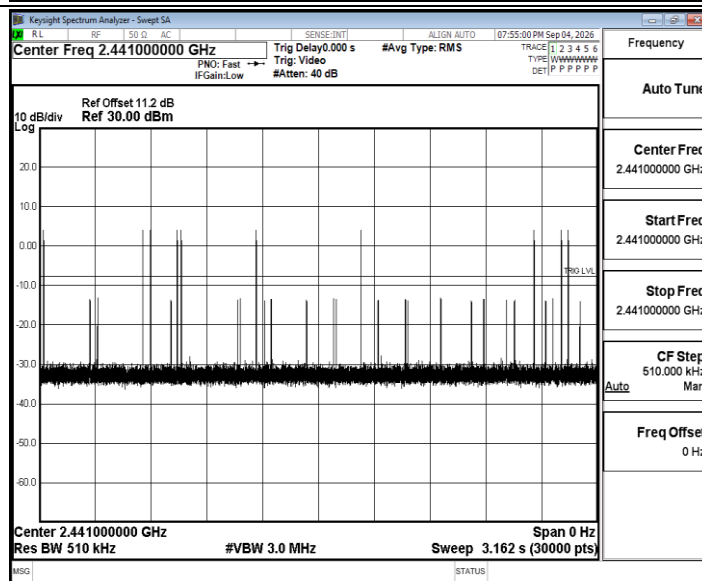
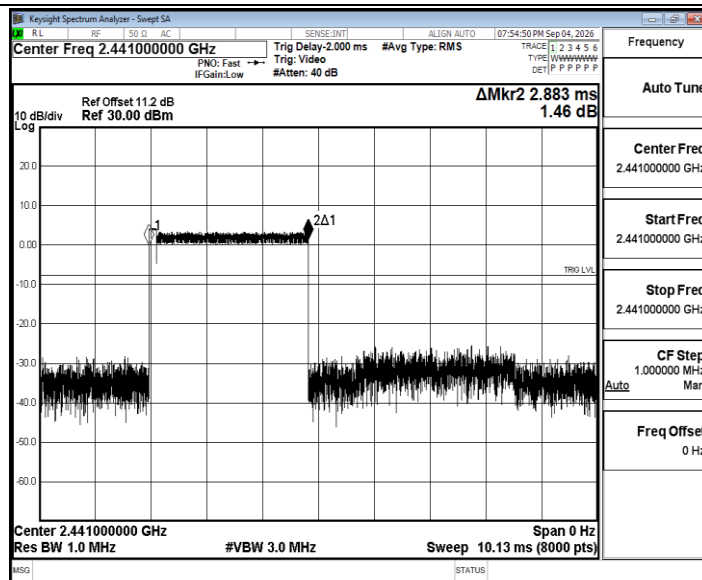
Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	-1.486	170	-0.253	≤0.4	PASS
2DH5	Ant1	Hop	2.883	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS

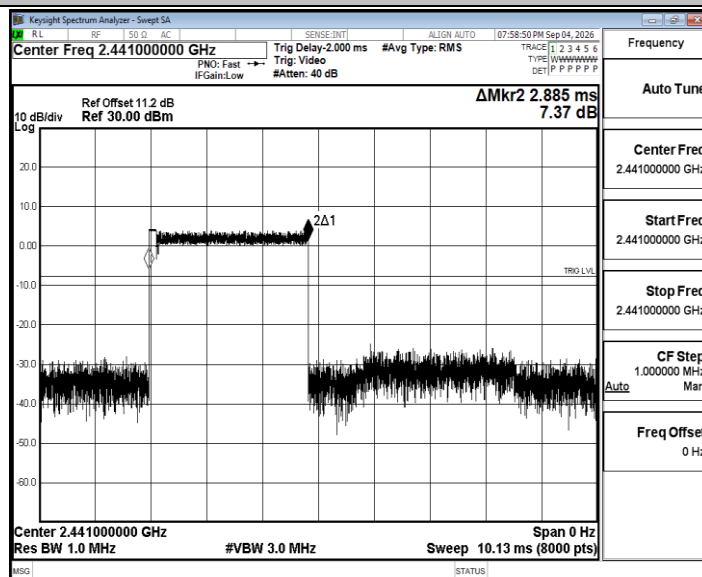
Test Graphs

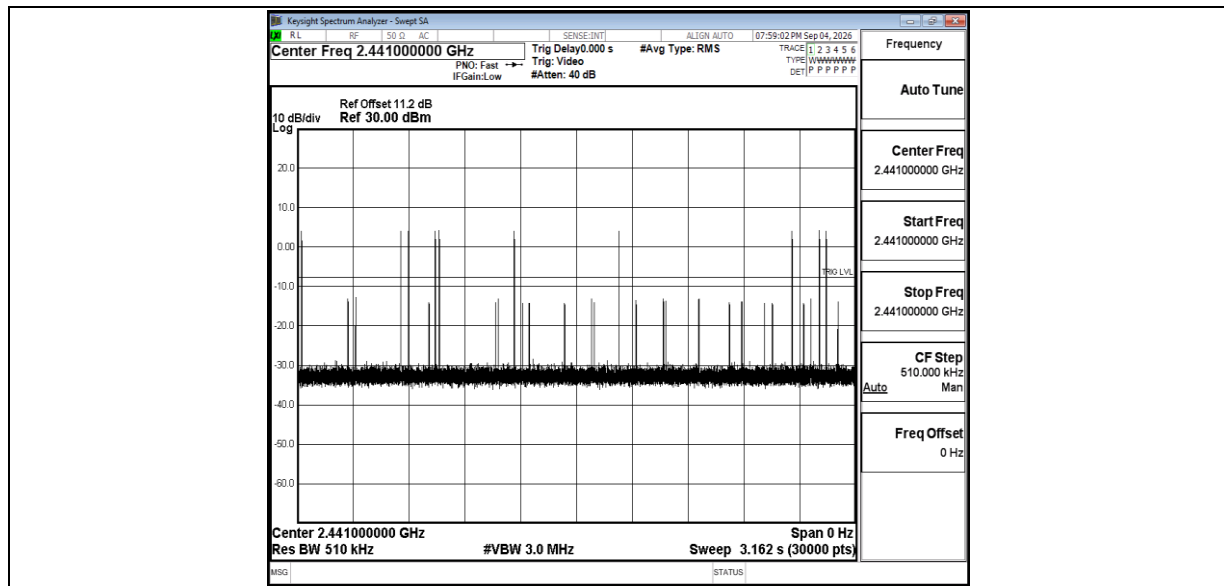


2DH5_Ant1_Hop



3DH5_Ant1_Hop



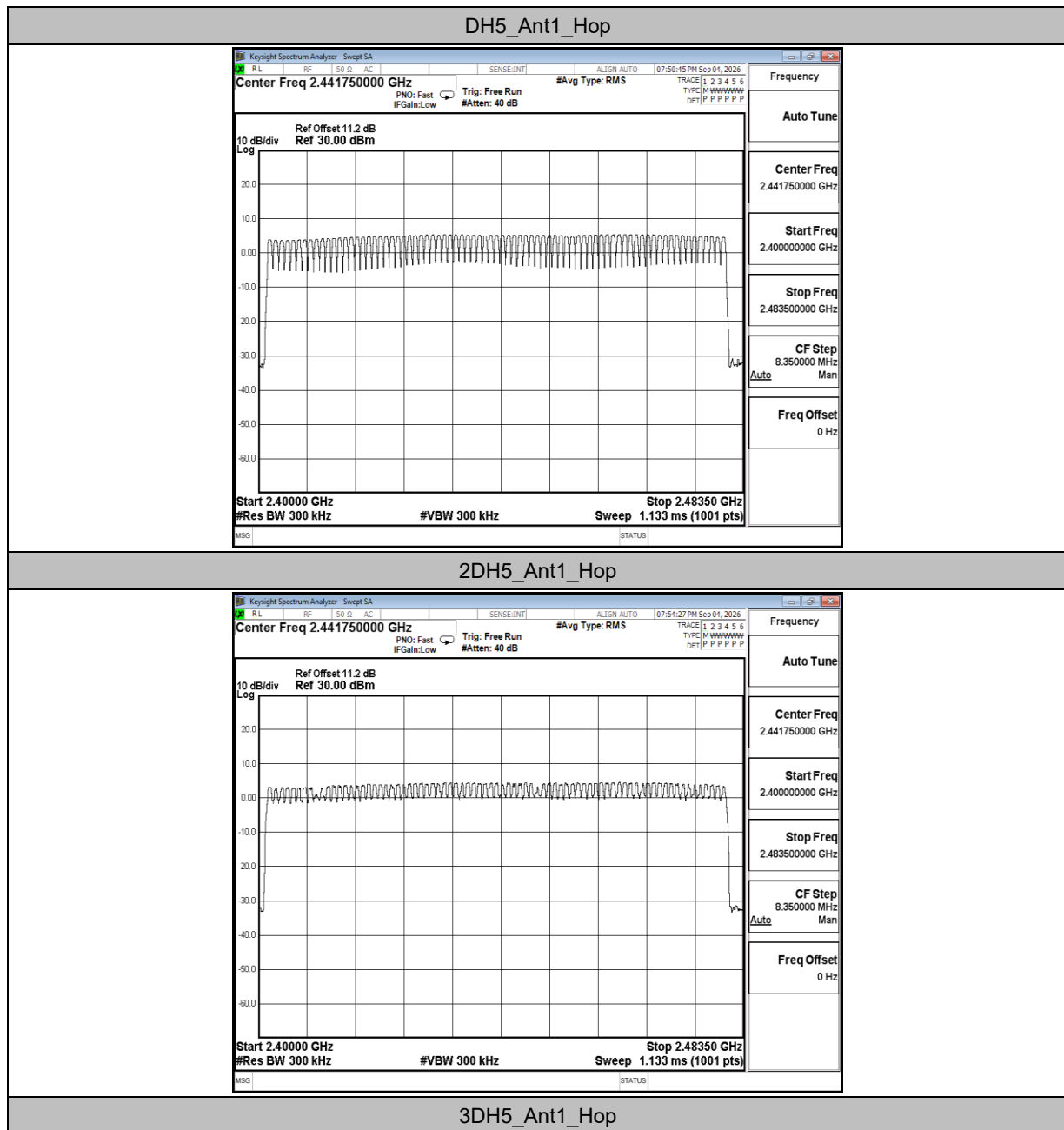


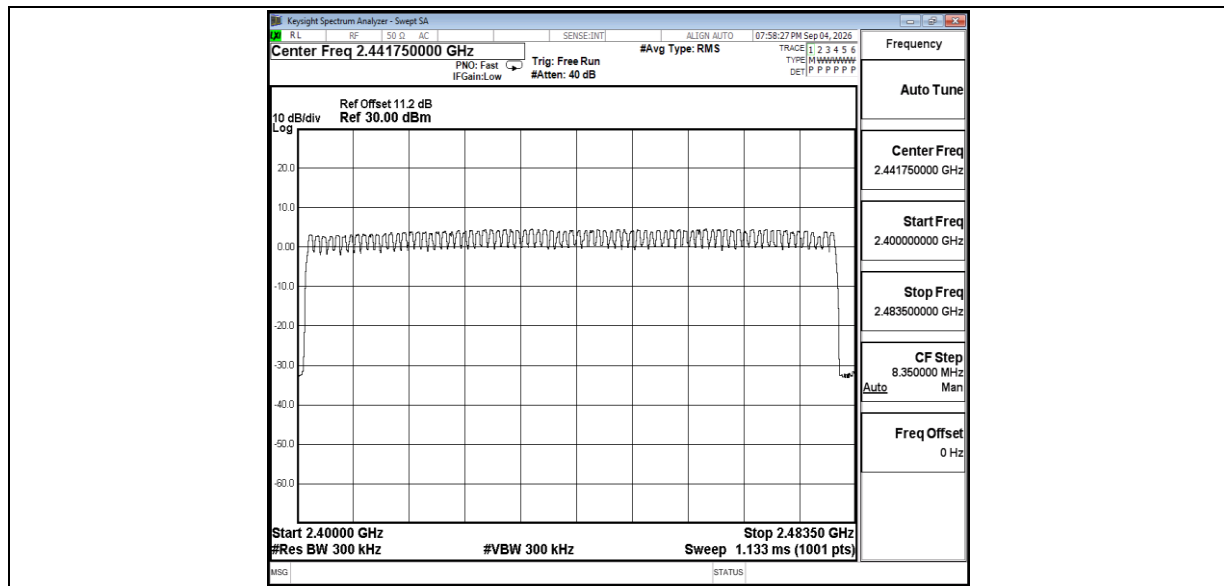
A.5 Number of hopping channels

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





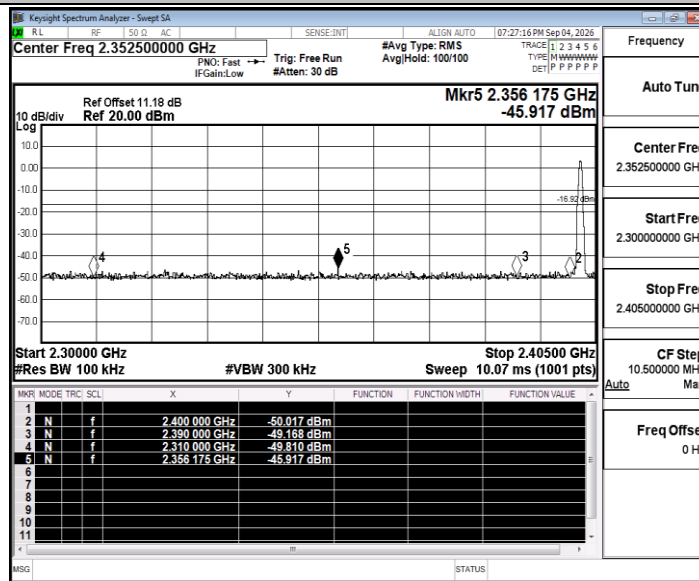
A.6 Band edge measurements

Test Result

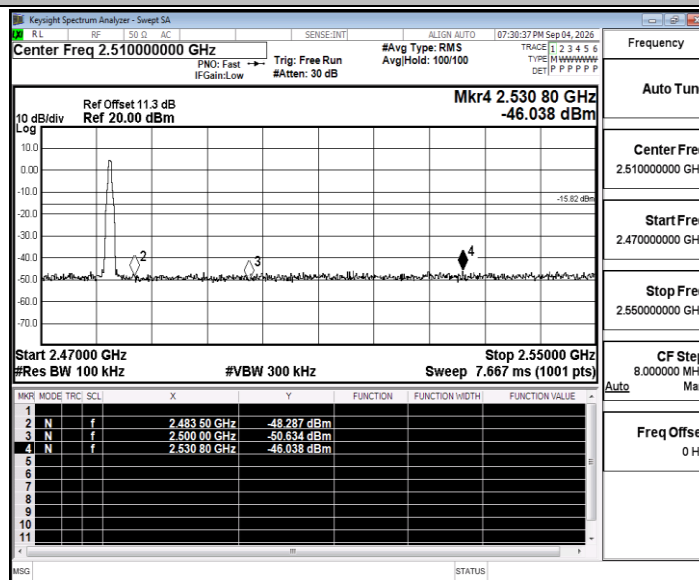
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.08	-45.92	≤-16.92	PASS
		High	2480	4.18	-46.04	≤-15.82	PASS
		Low	Hop_2402	3.07	-46.03	≤-16.93	PASS
		High	Hop_2480	4.70	-44.35	≤-15.3	PASS
2DH5	Ant1	Low	2402	2.64	-46.36	≤-17.36	PASS
		High	2480	2.82	-45.08	≤-17.18	PASS
		Low	Hop_2402	-1.52	-45.62	≤-21.52	PASS
		High	Hop_2480	1.90	-45.21	≤-18.1	PASS
3DH5	Ant1	Low	2402	2.27	-46.13	≤-17.73	PASS
		High	2480	2.19	-45.77	≤-17.81	PASS
		Low	Hop_2402	-2.16	-46.36	≤-22.16	PASS
		High	Hop_2480	0.69	-45.19	≤-19.31	PASS

Test Graphs

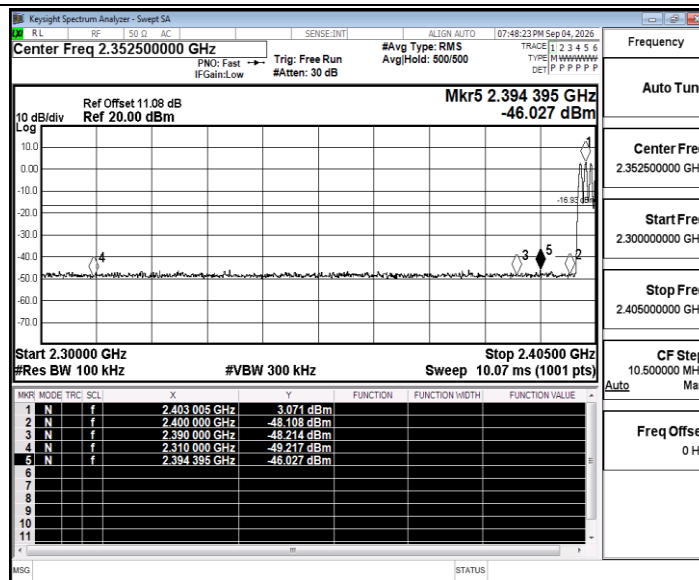
DH5_Ant1_Low_2402



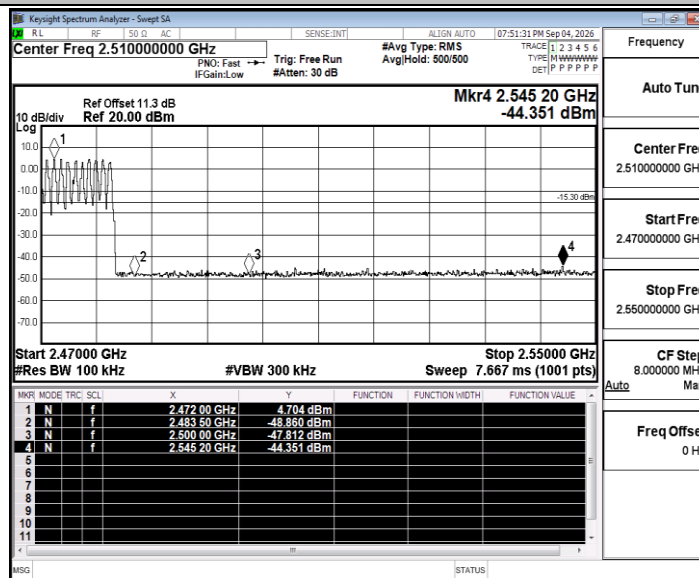
DH5_Ant1_High_2480



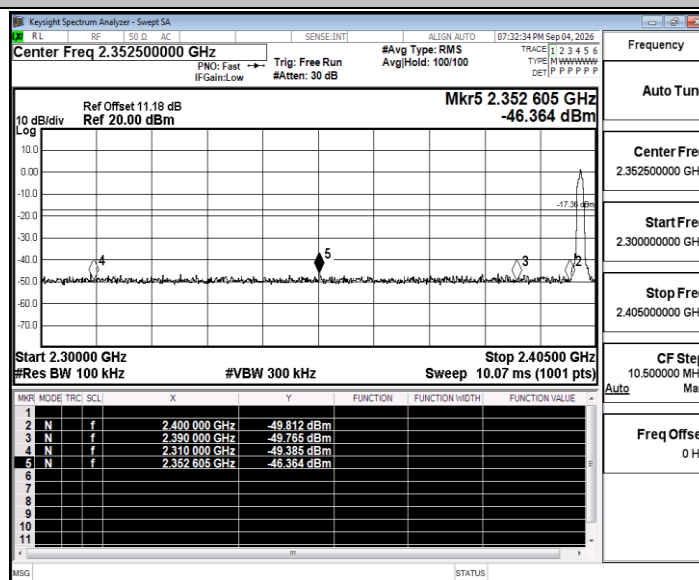
DH5_Ant1_Low_Hop_2402



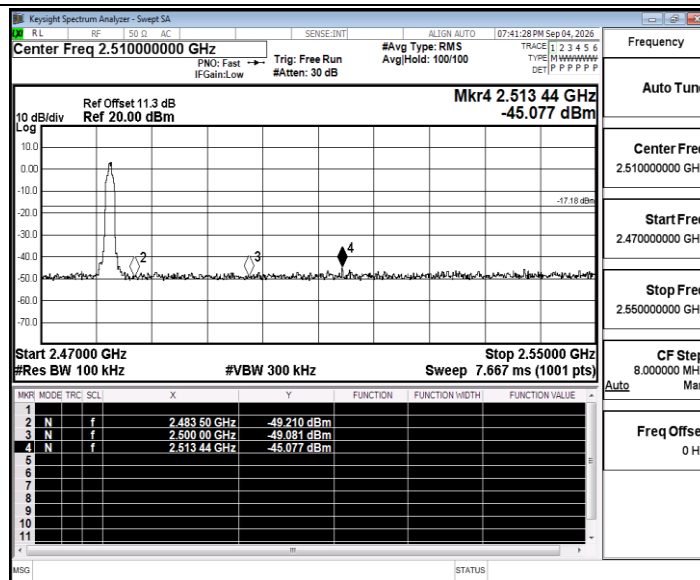
DH5_Ant1_High_Hop_2480



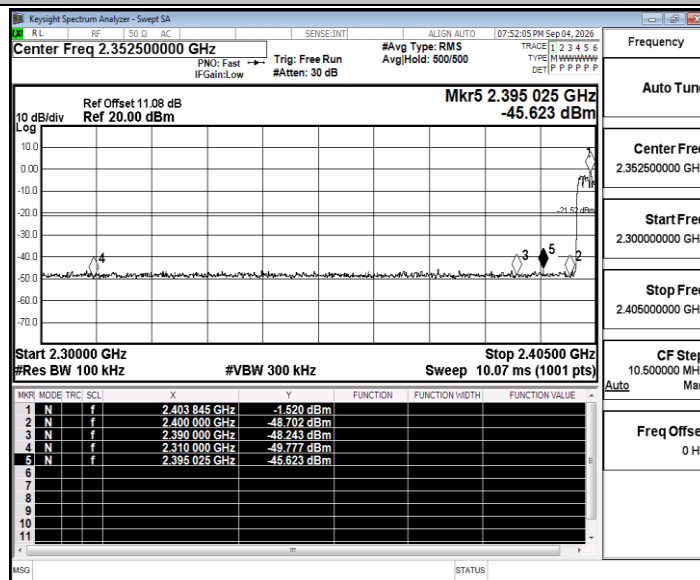
2DH5_Ant1_Low_2402



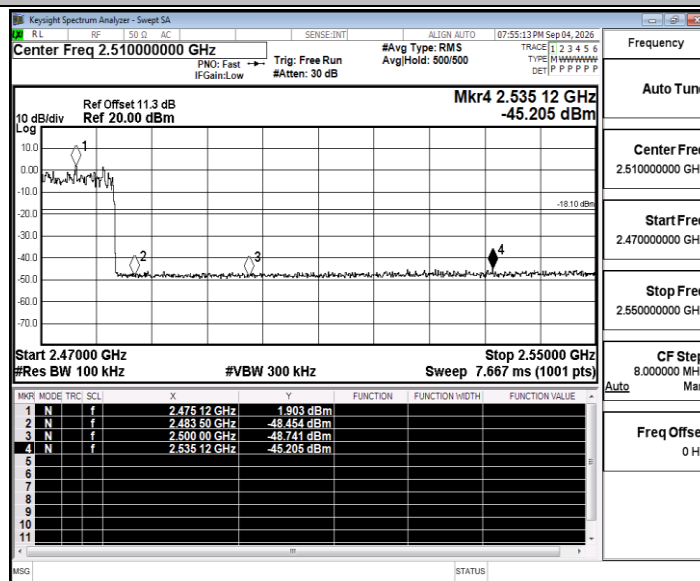
2DH5_Ant1_High_2480



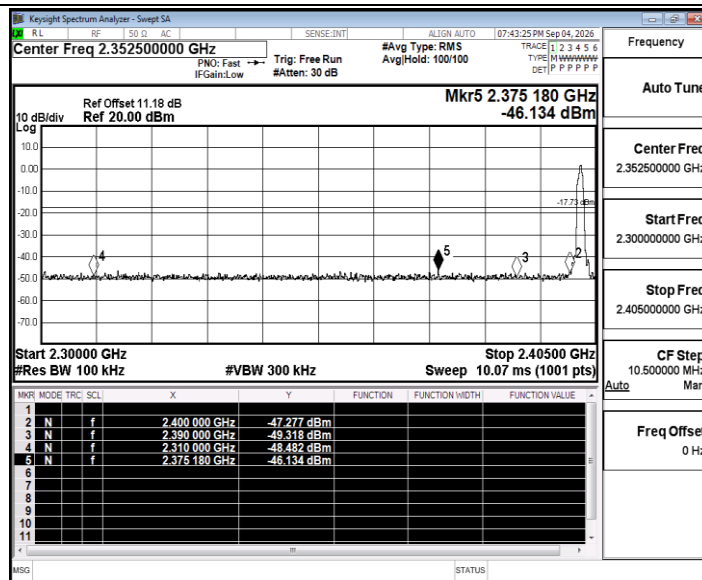
2DH5_Ant1_Low_Hop_2402



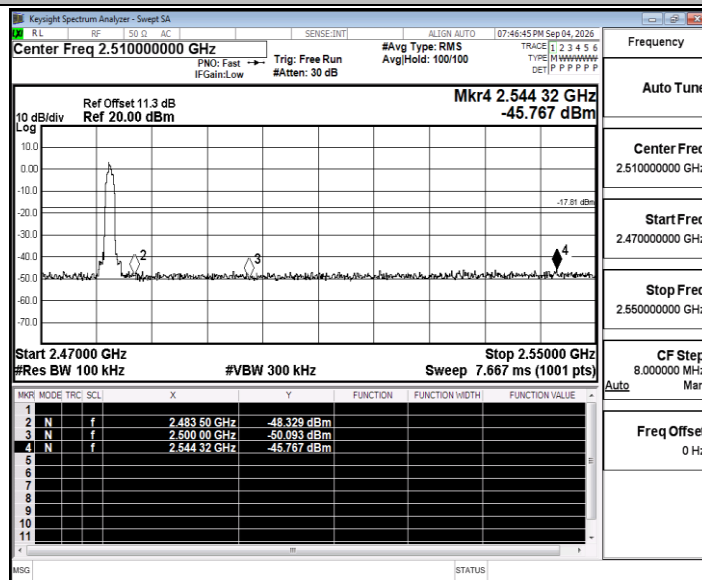
2DH5_Ant1_High_Hop_2480



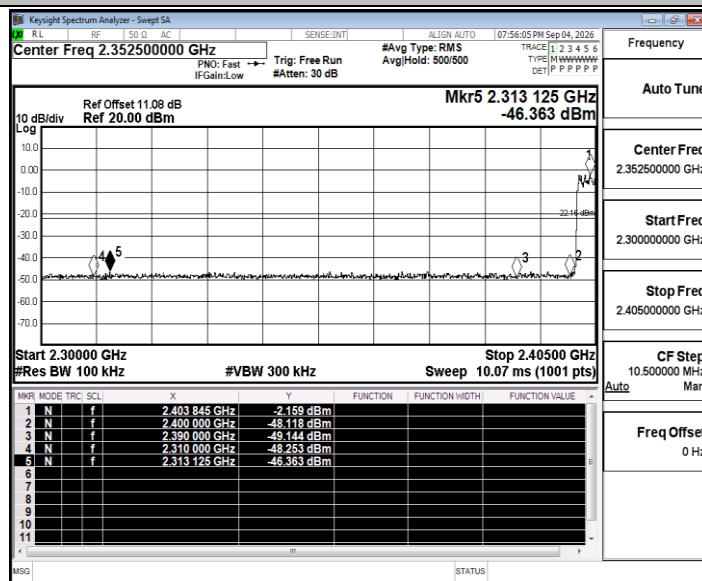
3DH5_Ant1_Low_2402



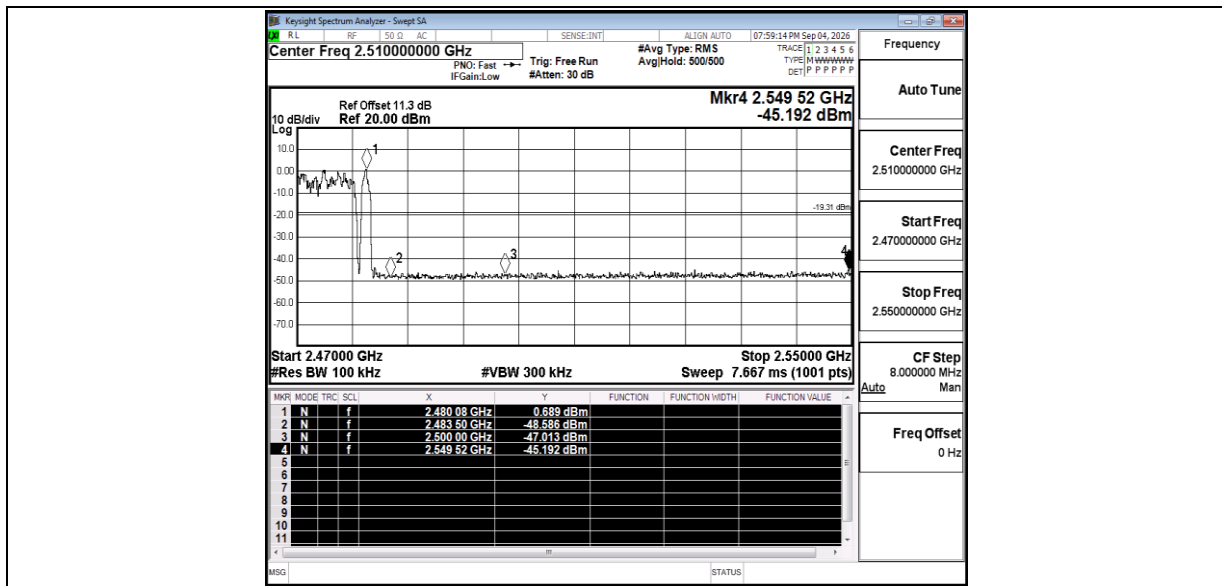
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

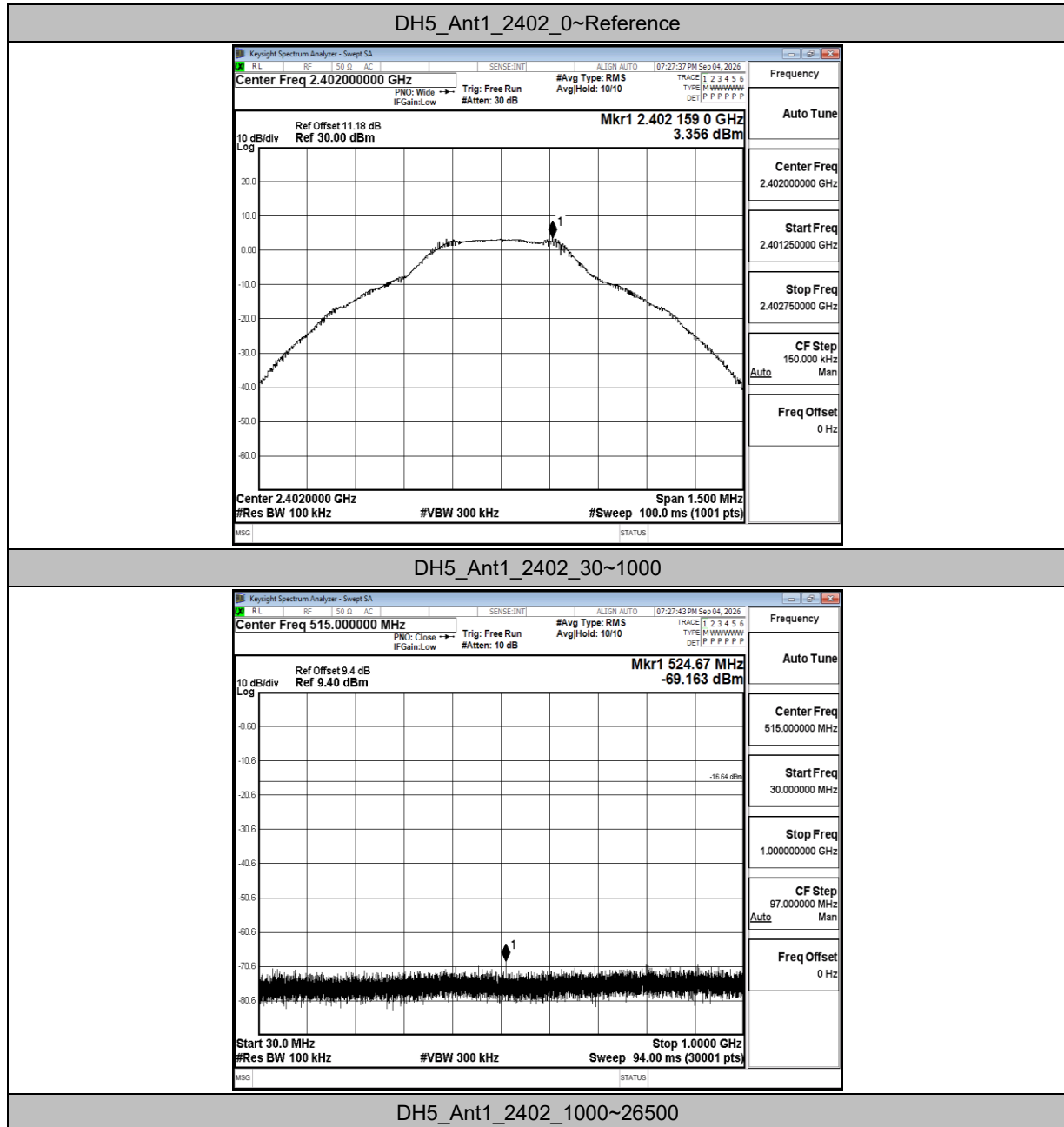


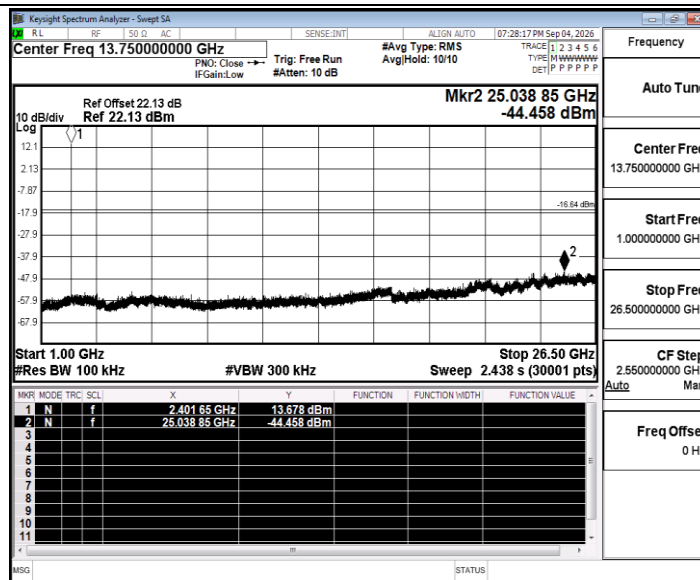
A.7 Conducted Spurious Emission

Test Result

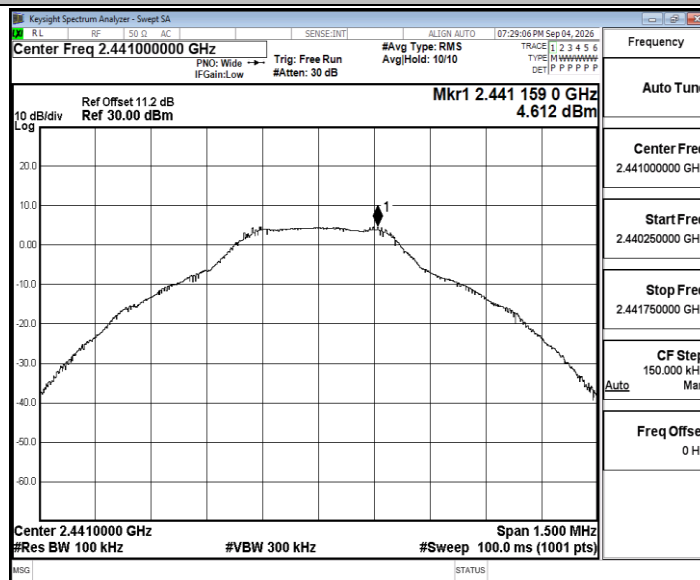
TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.36	3.36	---	PASS
			30~1000	3.36	-69.16	≤-16.64	PASS
			1000~26500	3.36	-44.46	≤-16.64	PASS
		2441	Reference	4.61	4.61	---	PASS
			30~1000	4.61	-69.89	≤-15.39	PASS
			1000~26500	4.61	-44.58	≤-15.39	PASS
		2480	Reference	4.18	4.18	---	PASS
			30~1000	4.18	-69.94	≤-15.82	PASS
			1000~26500	4.18	-44.65	≤-15.82	PASS
2DH5	Ant1	2402	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-69.9	≤-17.17	PASS
			1000~26500	2.83	-44.95	≤-17.17	PASS
		2441	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-69.1	≤-15.96	PASS
			1000~26500	4.04	-45.13	≤-15.96	PASS
		2480	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-69.47	≤-16.38	PASS
			1000~26500	3.62	-44.12	≤-16.38	PASS
3DH5	Ant1	2402	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-70.41	≤-17.21	PASS
			1000~26500	2.79	-44.32	≤-17.21	PASS
		2441	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-70.27	≤-15.96	PASS
			1000~26500	4.04	-44.23	≤-15.96	PASS
		2480	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-69.13	≤-16.38	PASS
			1000~26500	3.62	-45	≤-16.38	PASS

Test Graphs

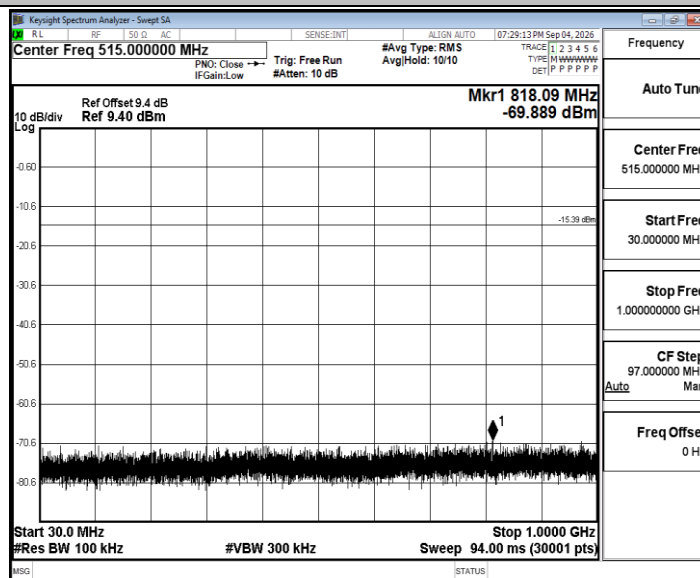




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500