

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: All-In-One Vintage-Style Turntable

Test Model: VT34

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhao Xing Hai
Supervised by:	Fengliu Tang

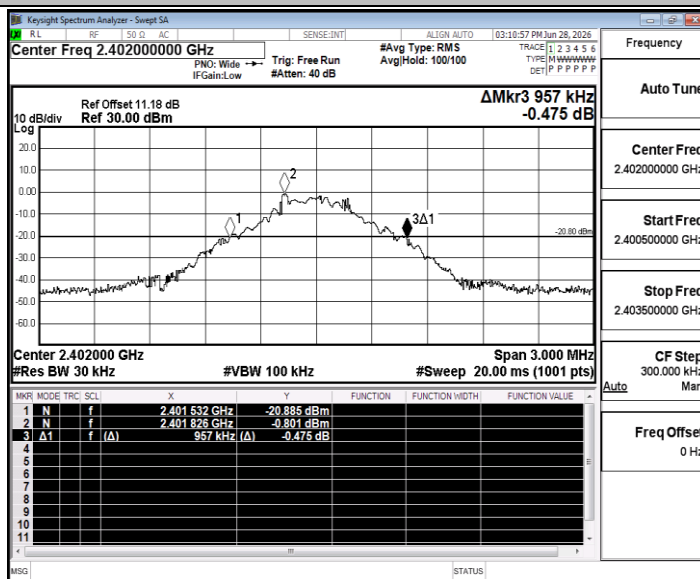
A.1 20dB Emission Bandwidth

Test Result

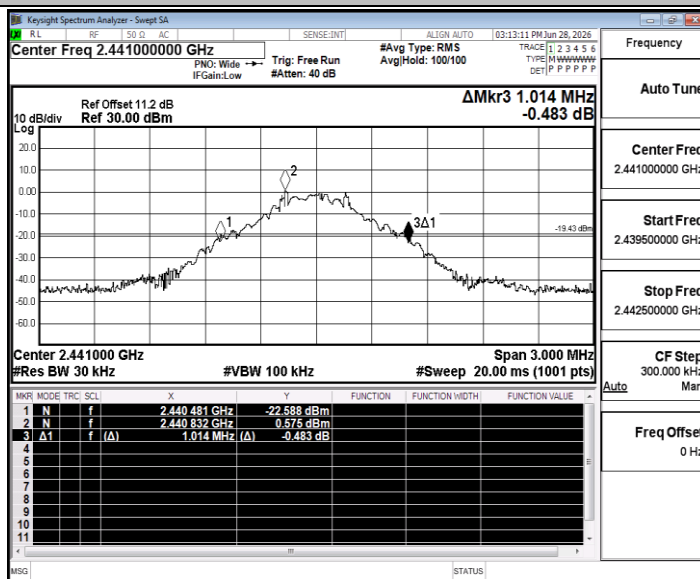
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.957	2401.532	2402.489	---	---
		2441	1.014	2440.481	2441.495	---	---
		2480	0.966	2479.529	2480.495	---	---
2DH5	Ant1	2402	1.287	2401.358	2402.645	---	---
		2441	1.293	2440.352	2441.645	---	---
		2480	1.290	2479.355	2480.645	---	---
3DH5	Ant1	2402	1.299	2401.343	2402.642	---	---
		2441	1.299	2440.343	2441.642	---	---
		2480	1.305	2479.340	2480.645	---	---

Test Graphs

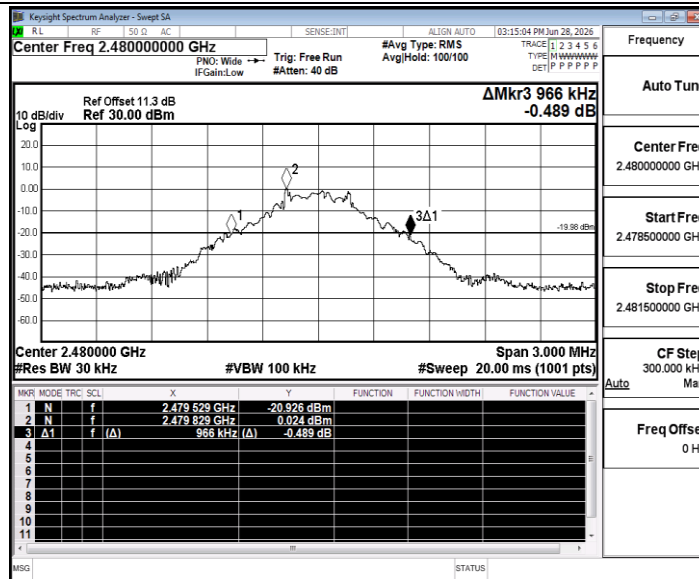
DH5_Ant1_2402



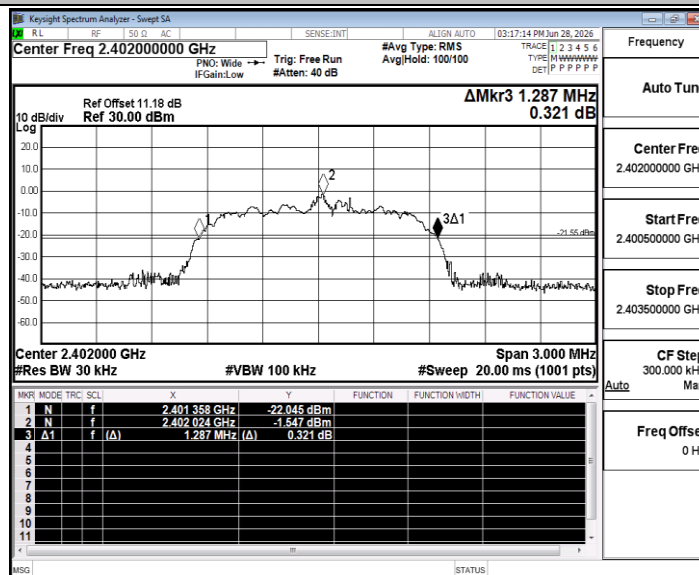
DH5_Ant1_2441



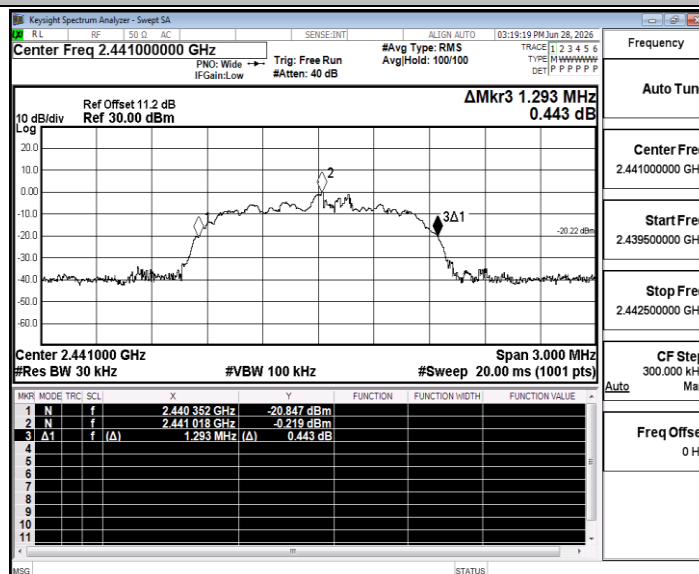
DH5_Ant1_2480



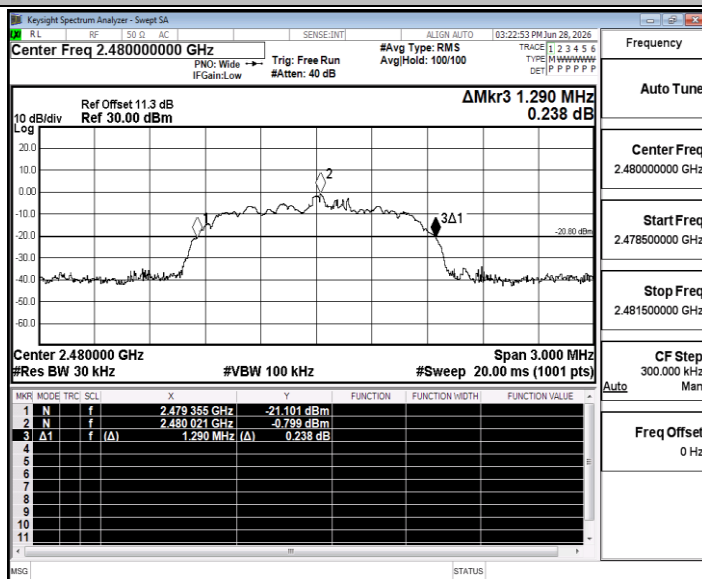
2DH5_Ant1_2402



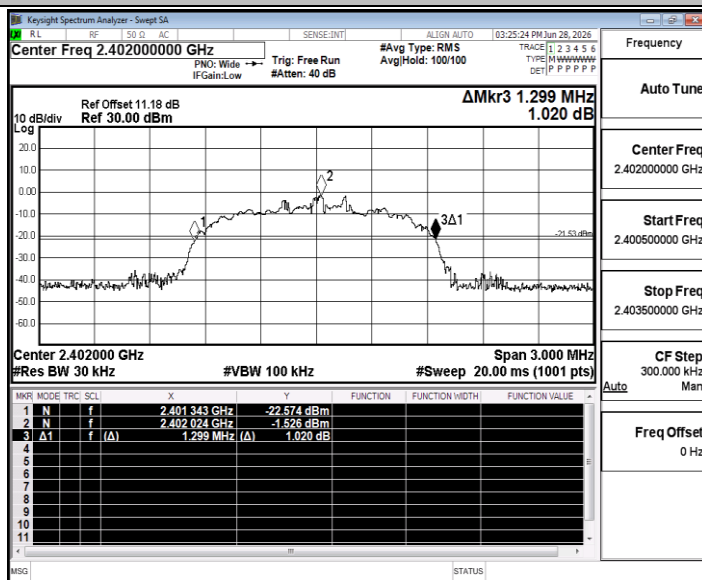
2DH5_Ant1_2441



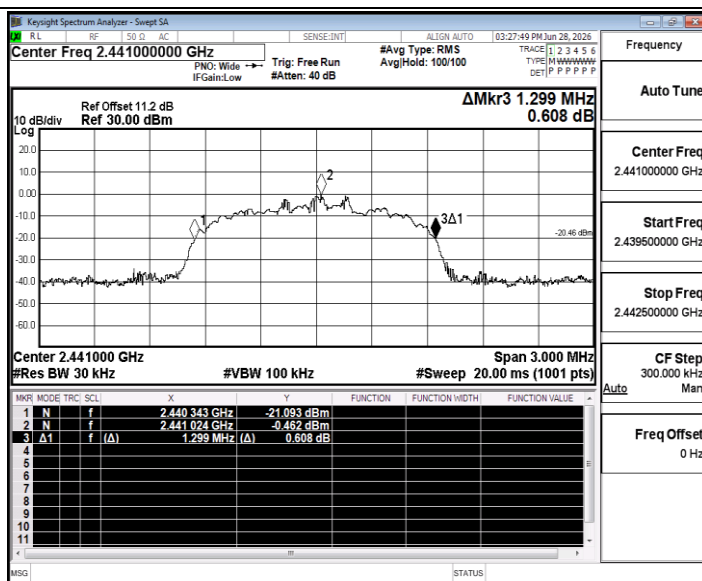
2DH5_Ant1_2480



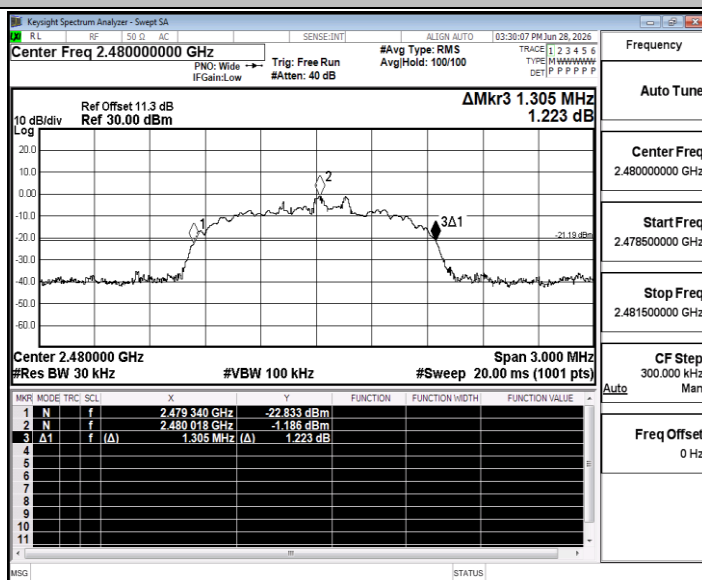
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



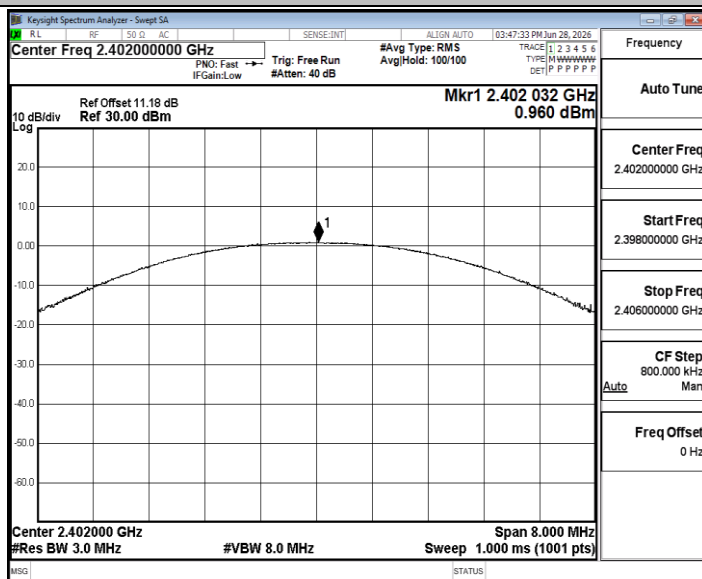
A.2 Maximum Peak conducted output power

Test Result Peak

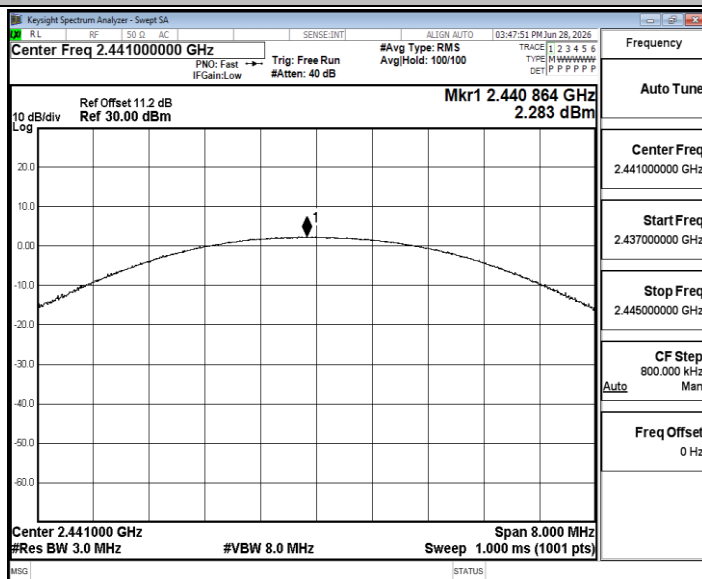
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power [dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.96	≤30	PASS
		2441	2.28	≤30	PASS
		2480	1.65	≤30	PASS
2DH5	Ant1	2402	2.44	≤30	PASS
		2441	3.52	≤30	PASS
		2480	2.74	≤30	PASS
3DH5	Ant1	2402	2.66	≤30	PASS
		2441	3.67	≤30	PASS
		2480	2.82	≤30	PASS

Test Graphs

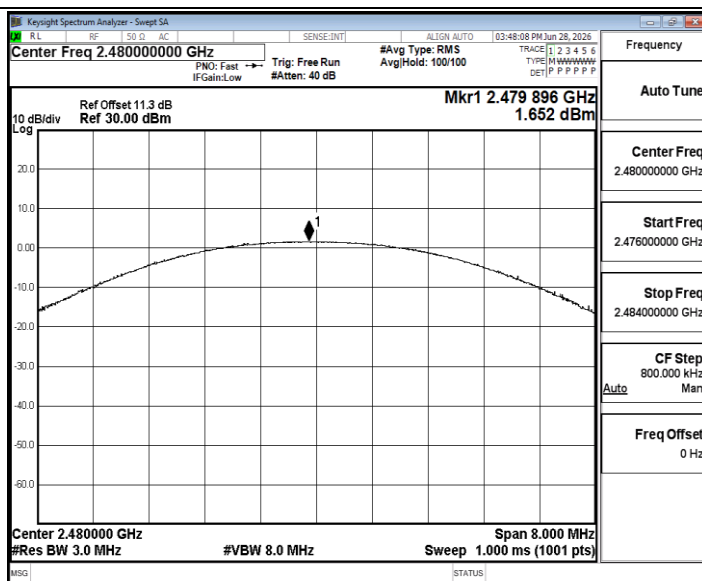
DH5_Ant1_2402



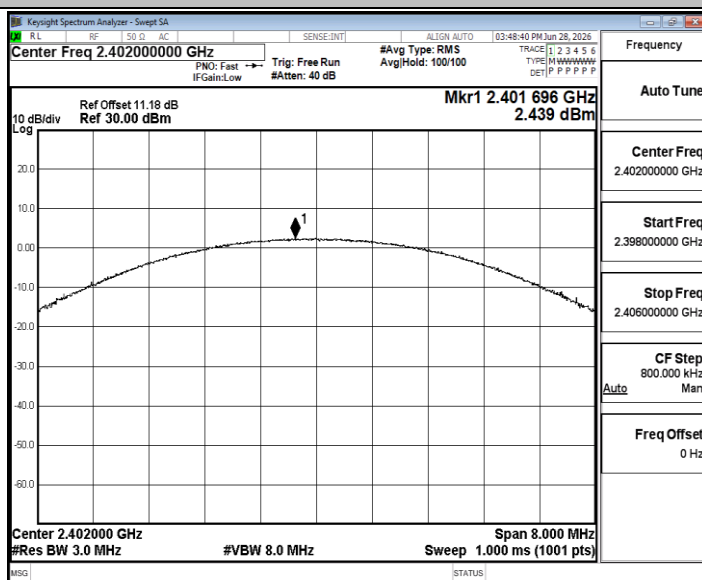
DH5_Ant1_2441



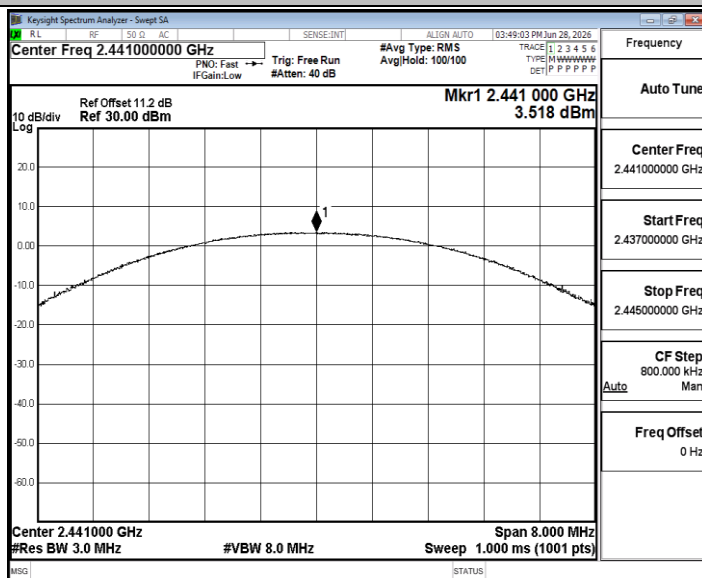
DH5_Ant1_2480

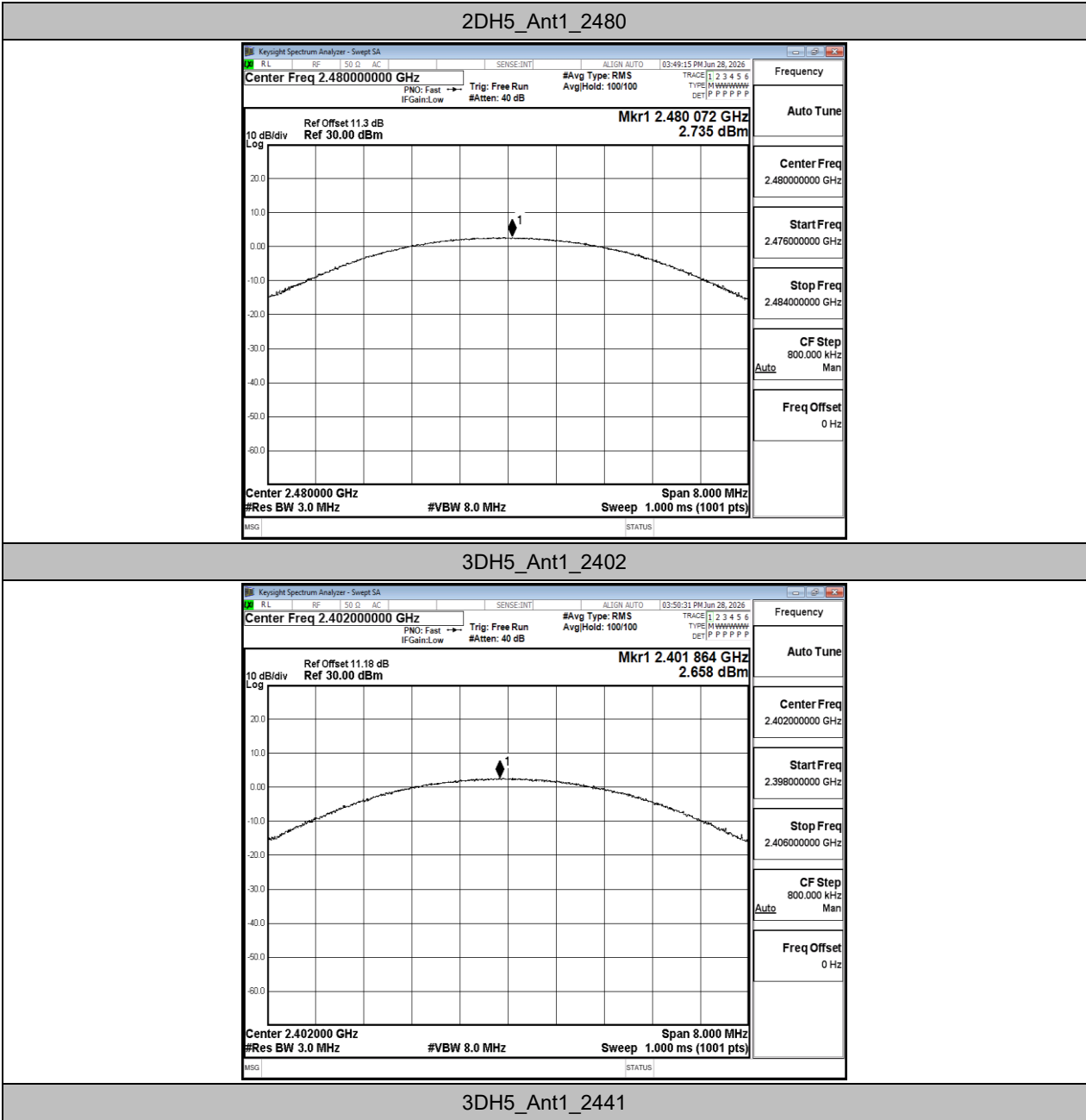


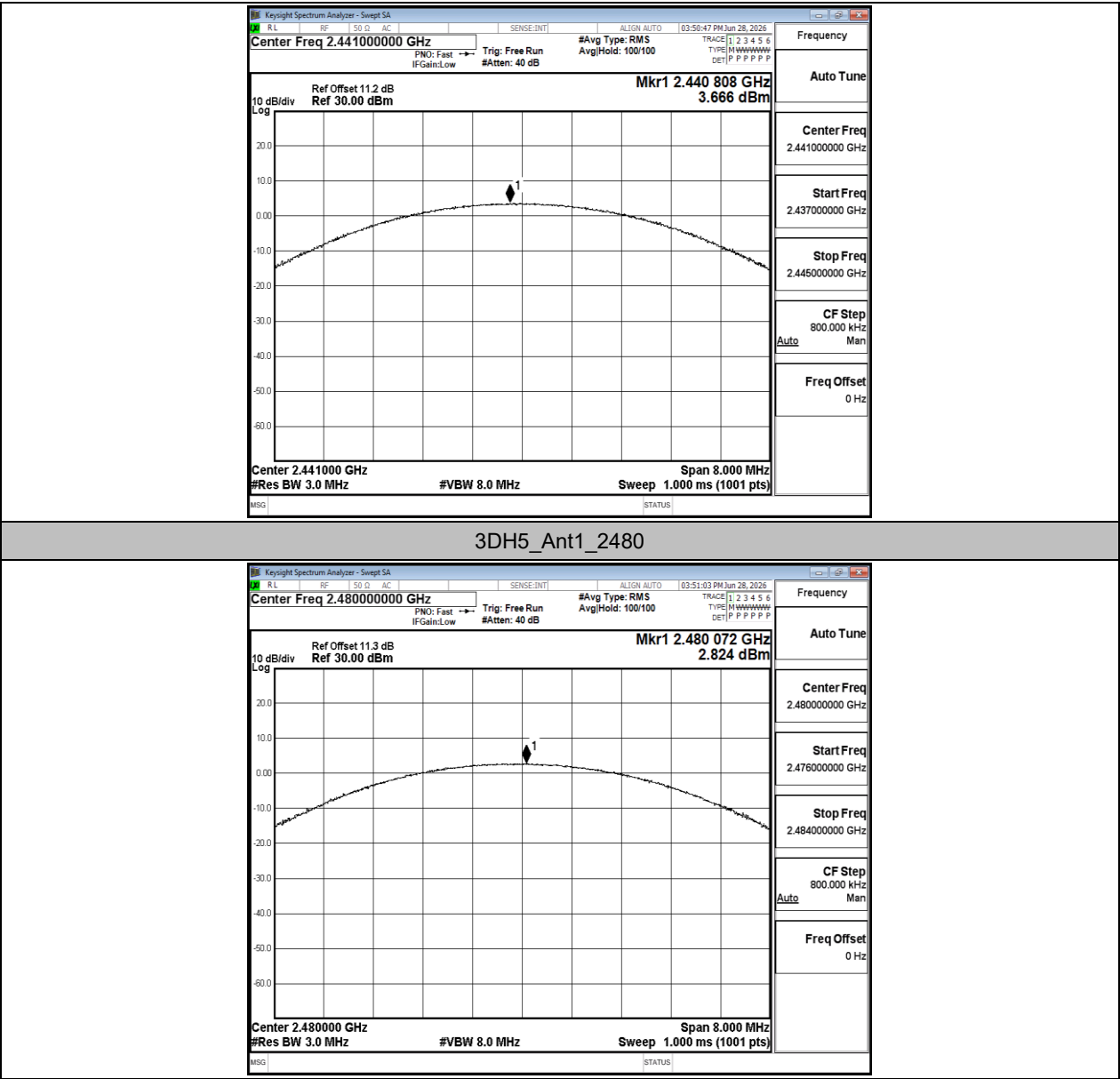
2DH5_Ant1_2402



2DH5_Ant1_2441





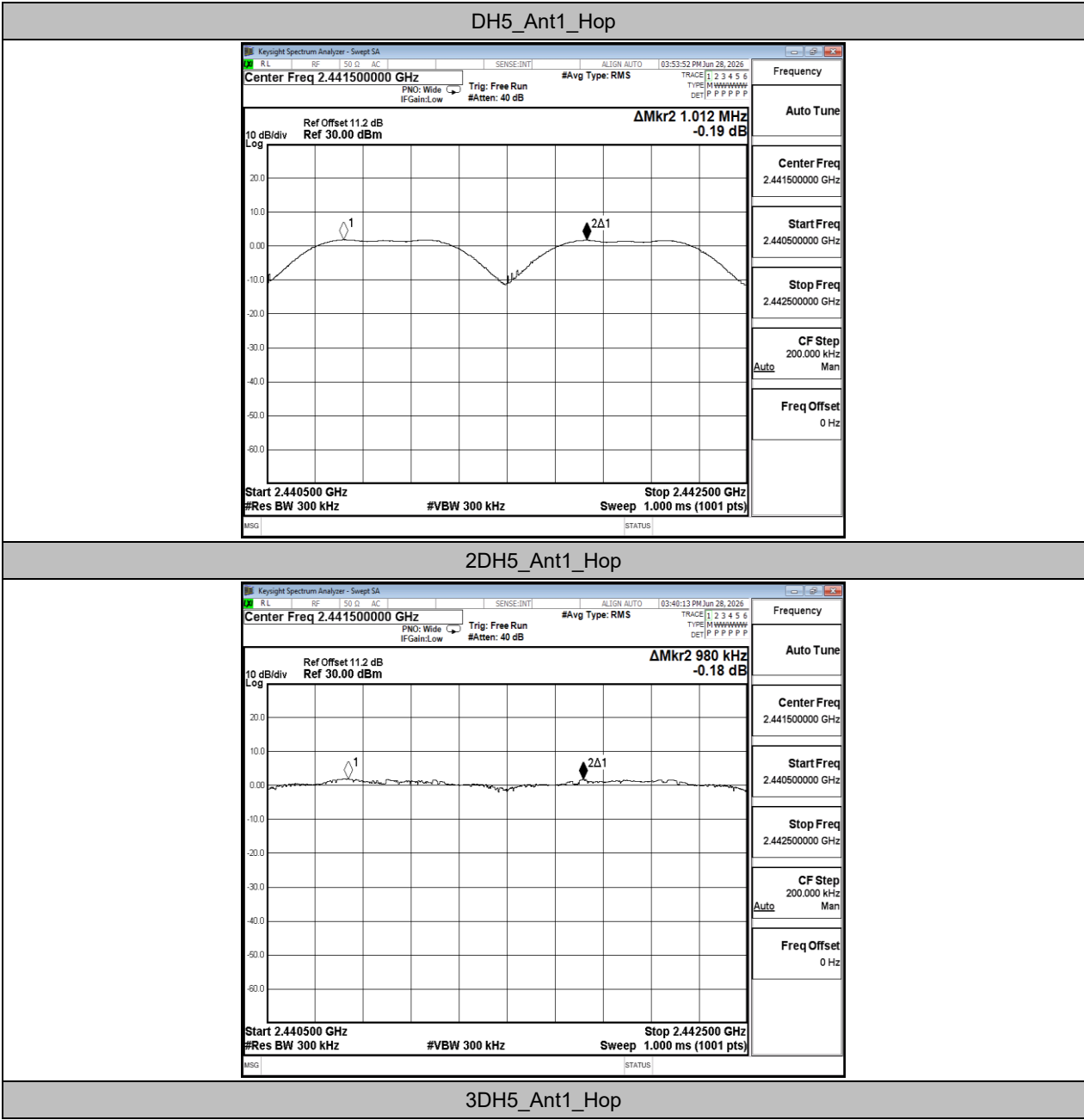


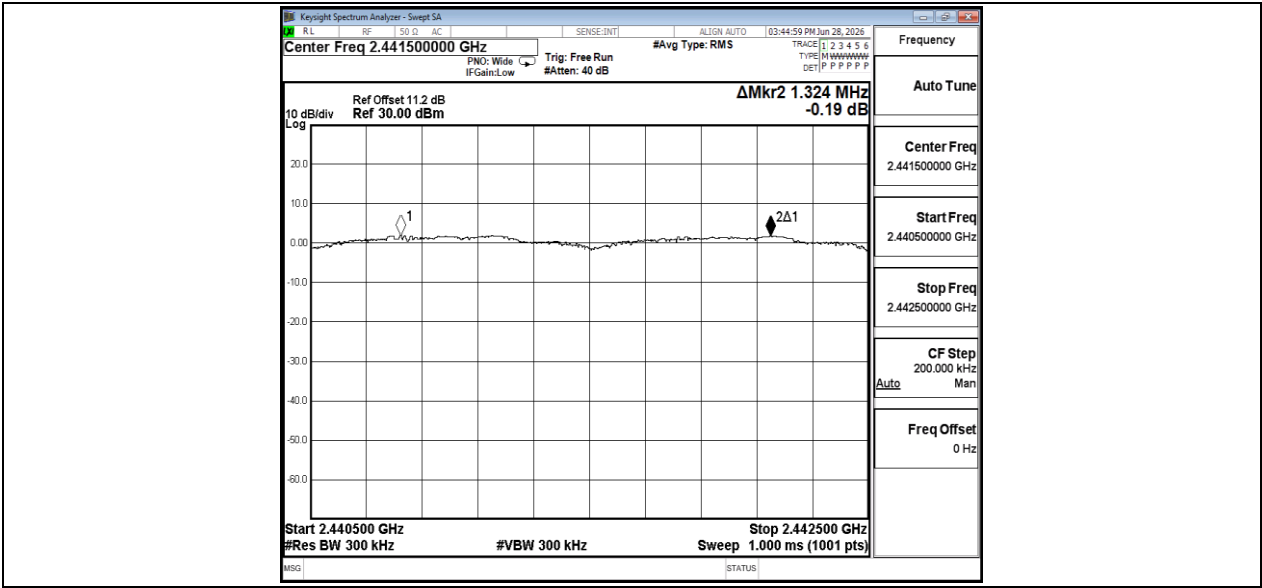
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.676	PASS
2DH5	Ant1	Hop	0.98	≥ 0.862	PASS
3DH5	Ant1	Hop	1.324	≥ 1.305	PASS

Test Graphs



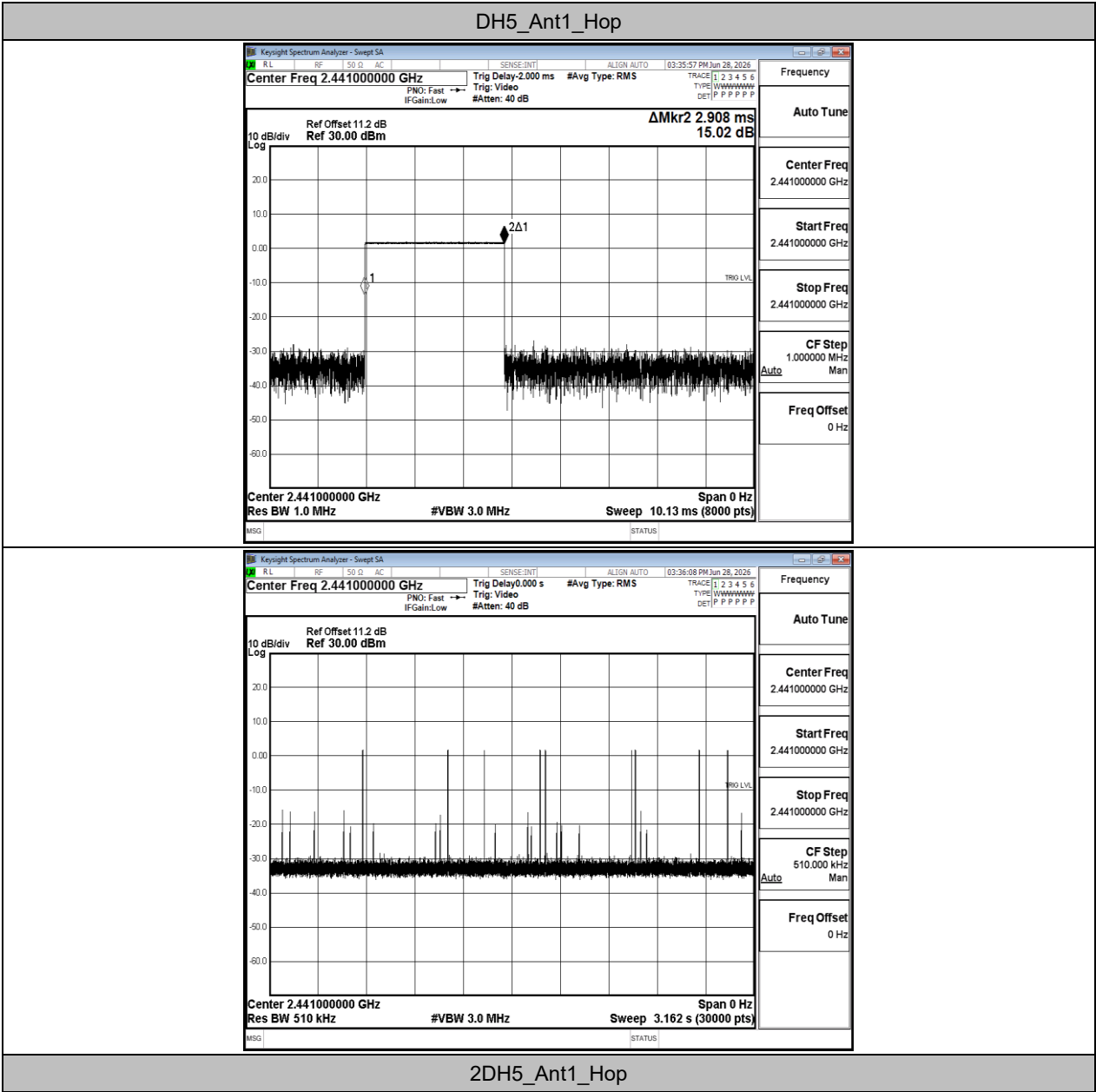


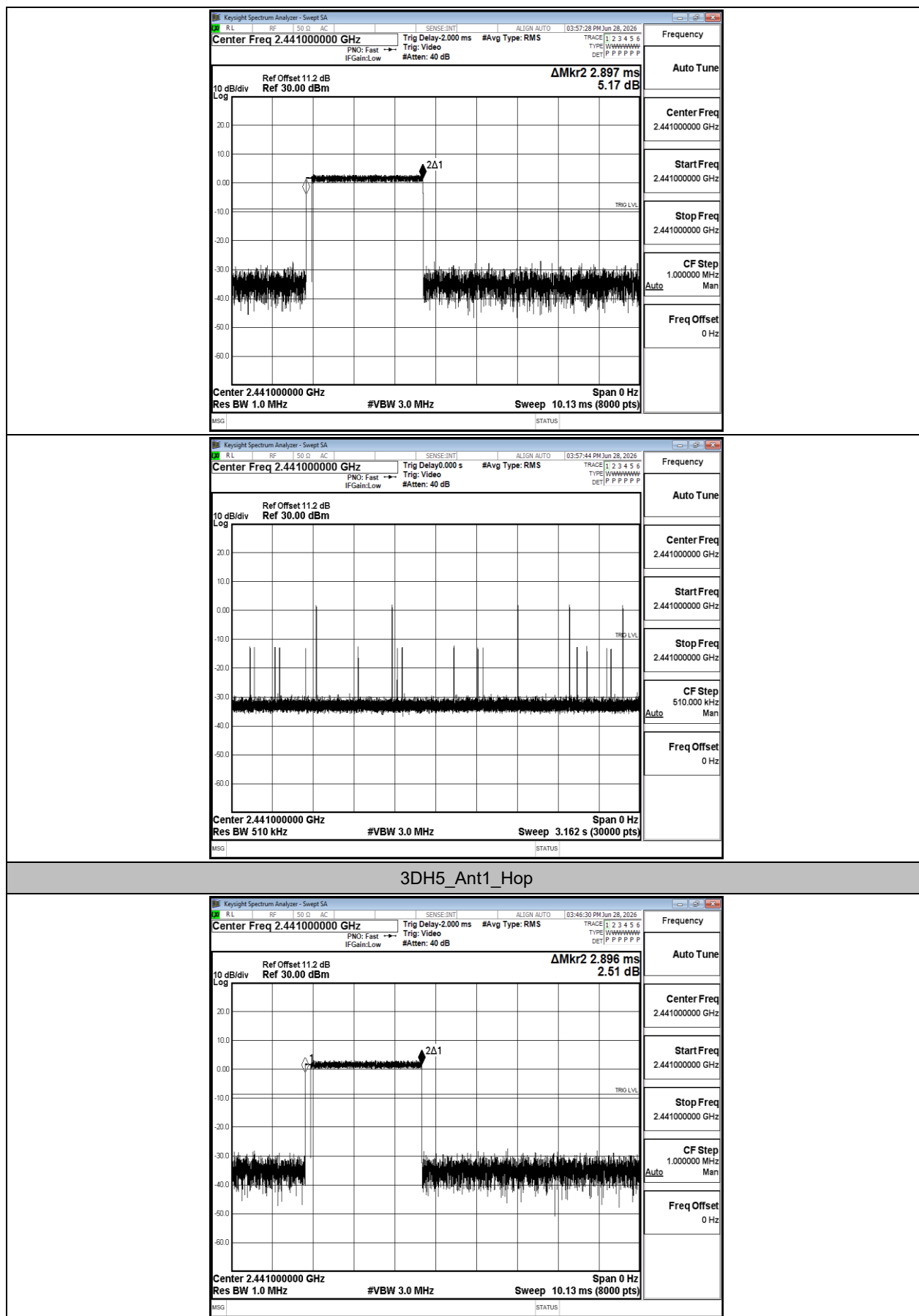
A.4 Time of occupancy

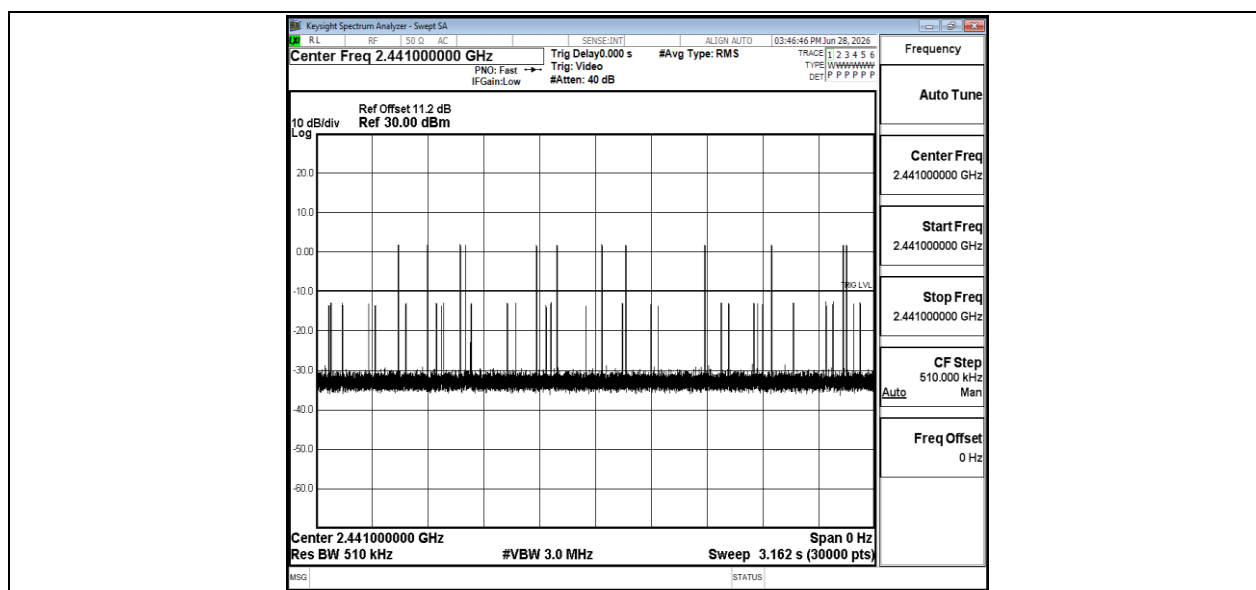
Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.897	60	0.174	≤0.4	PASS
3DH5	Ant1	Hop	2.896	130	0.376	≤0.4	PASS

Test Graphs





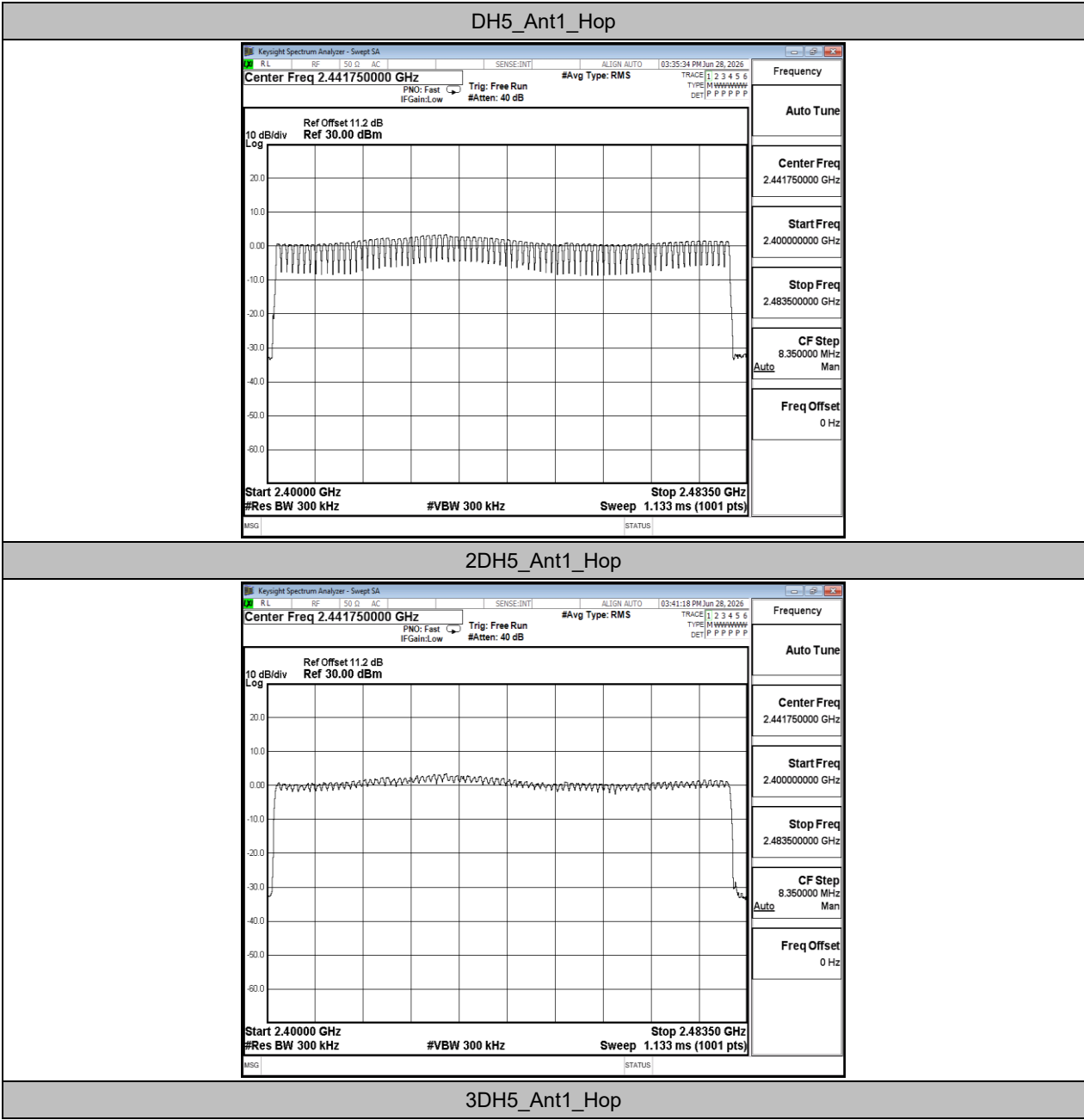


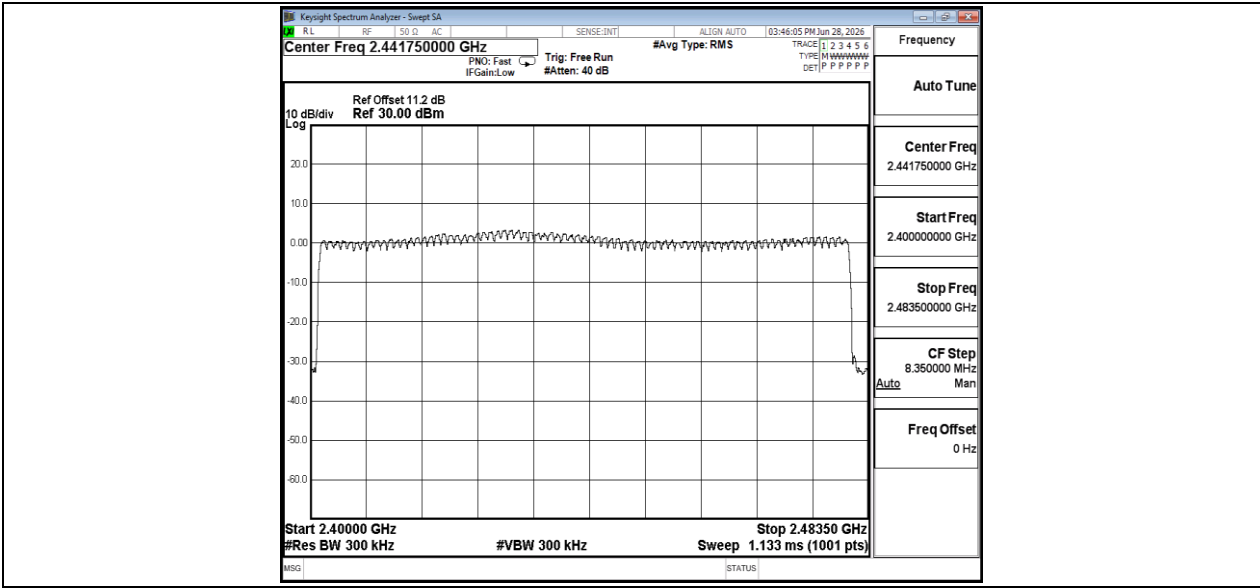
A.5 Number of hopping channels

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



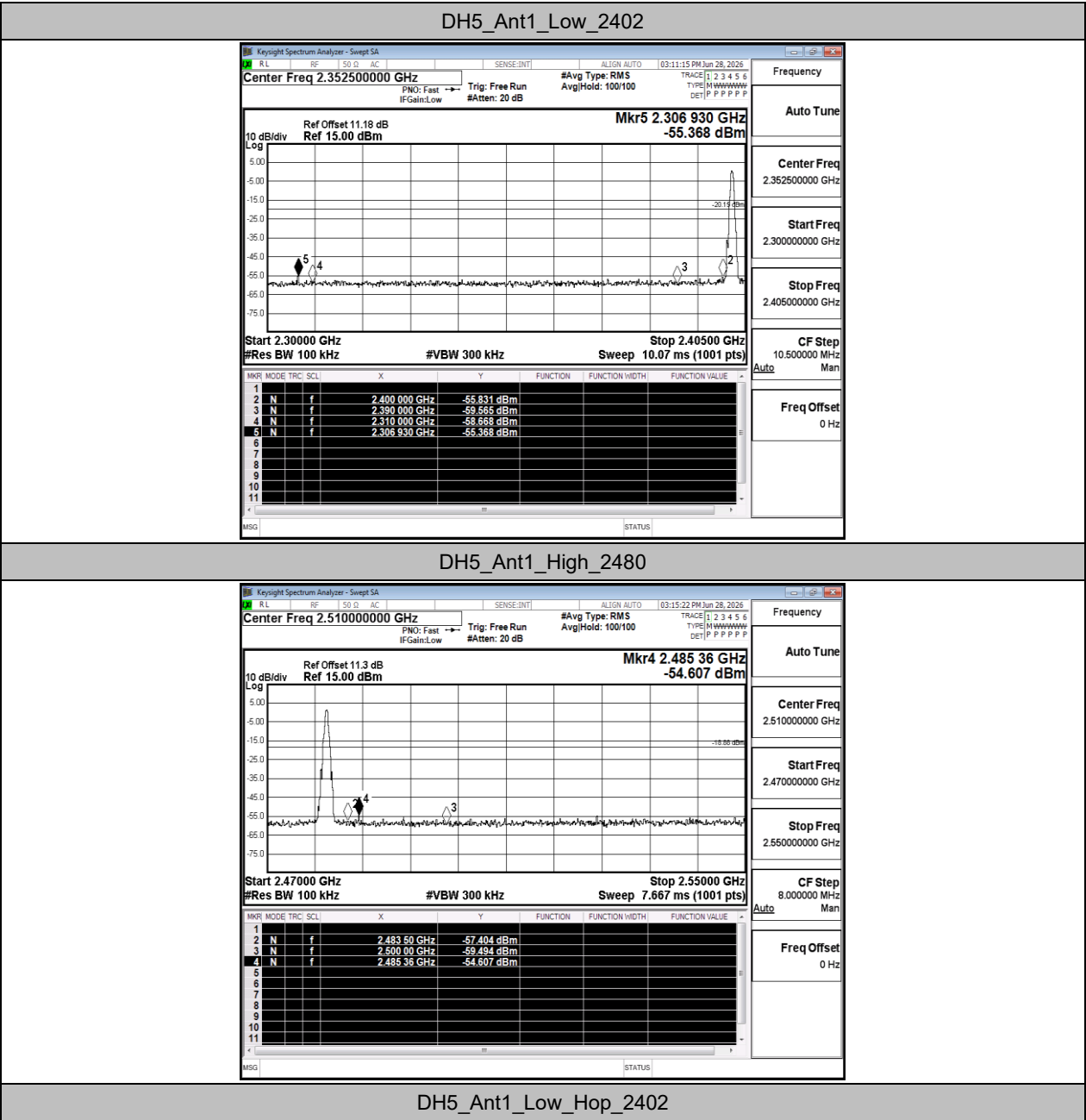


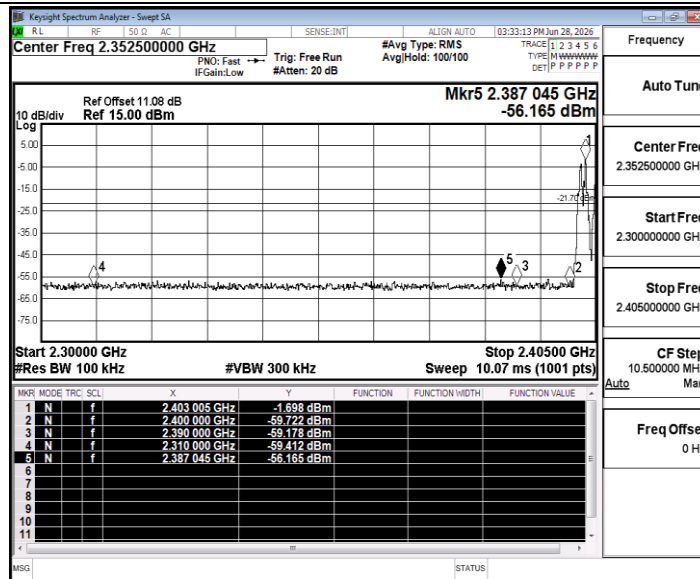
A.6 Band edge measurements

Test Result

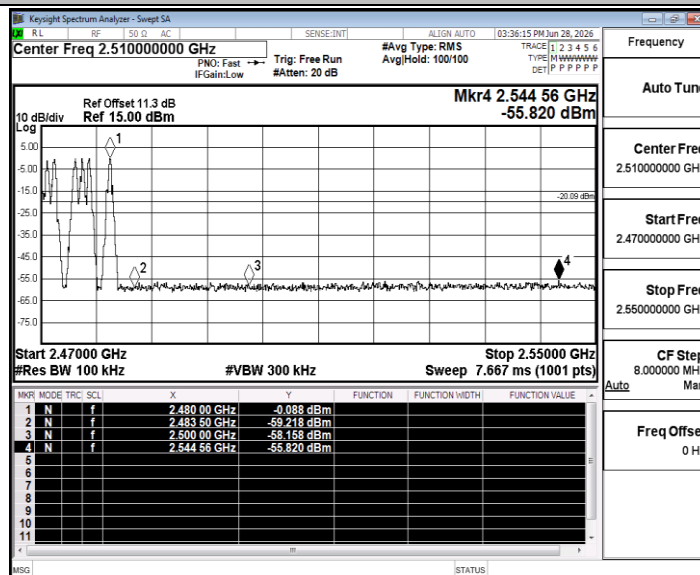
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.15	-55.37	≤-20.15	PASS
		High	2480	1.12	-54.61	≤-18.88	PASS
		Low	Hop_2402	-1.70	-56.17	≤-21.7	PASS
		High	Hop_2480	-0.09	-55.82	≤-20.09	PASS
2DH5	Ant1	Low	2402	0.10	-49.75	≤-19.9	PASS
		High	2480	0.70	-55.51	≤-19.3	PASS
		Low	Hop_2402	-4.07	-55.87	≤-24.07	PASS
		High	Hop_2480	1.33	-56.02	≤-18.67	PASS
3DH5	Ant1	Low	2402	0.58	-50.23	≤-19.42	PASS
		High	2480	-0.78	-55.91	≤-20.78	PASS
		Low	Hop_2402	-3.59	-55.99	≤-23.59	PASS
		High	Hop_2480	-1.82	-54.94	≤-21.82	PASS

Test Graphs

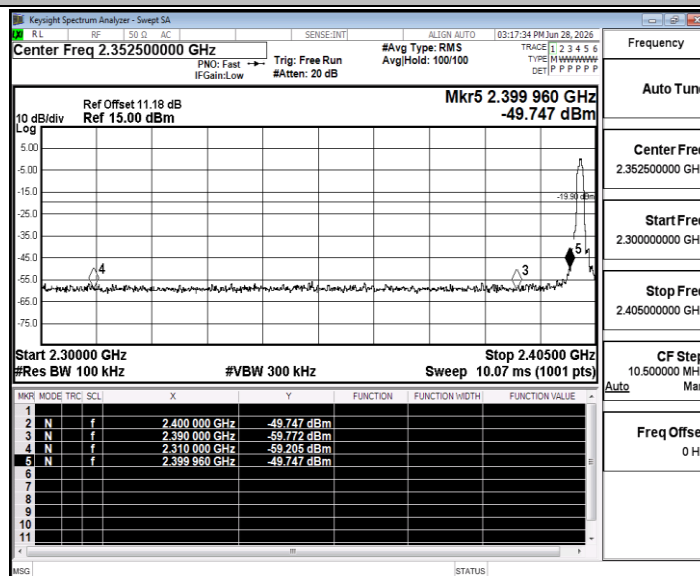




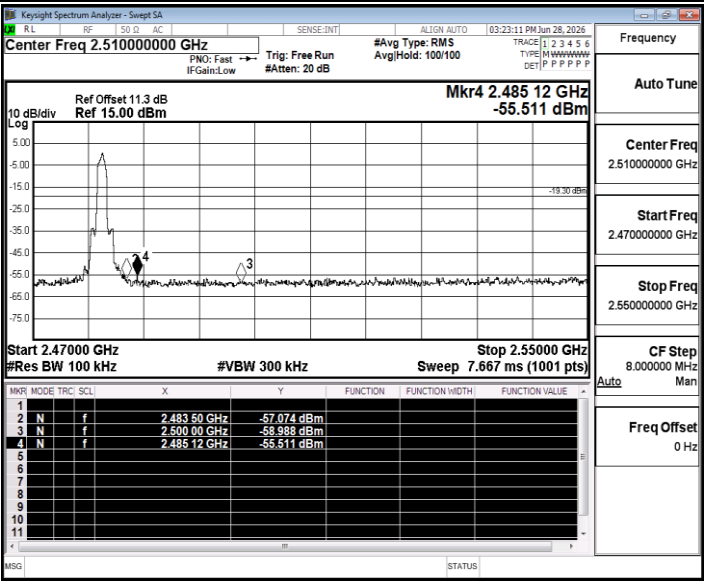
DH5_Ant1_High_Hop_2480



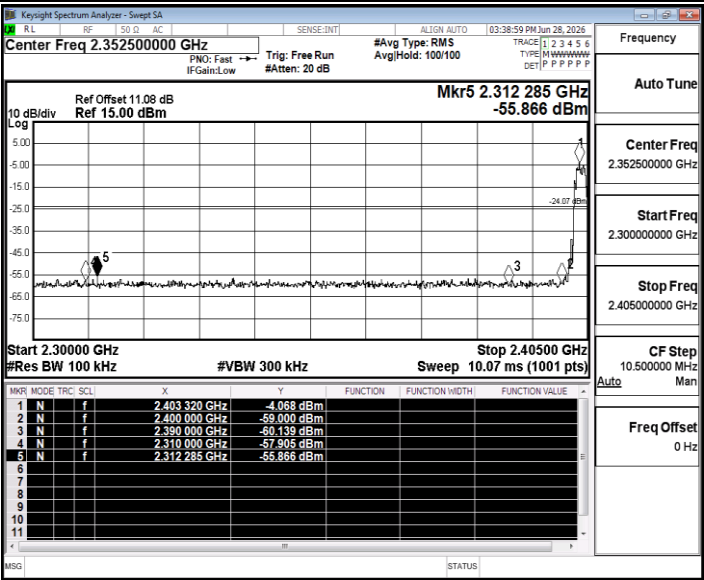
2DH5_Ant1_Low_2402



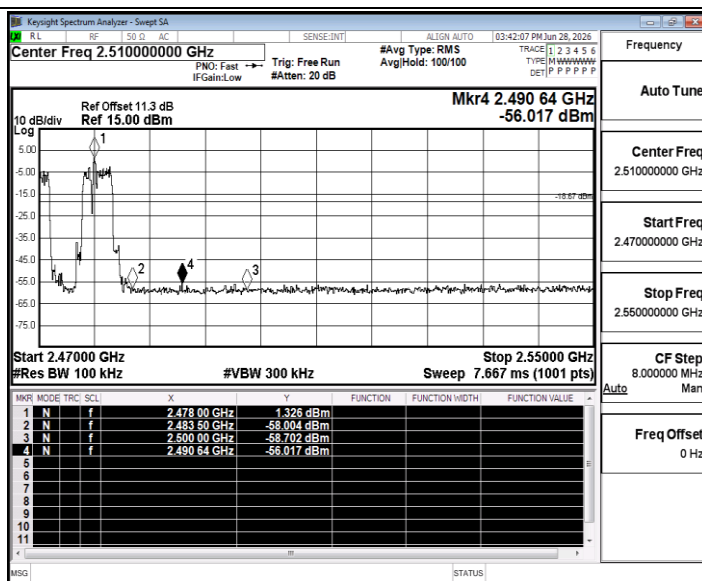
2DH5_Ant1_High_2480



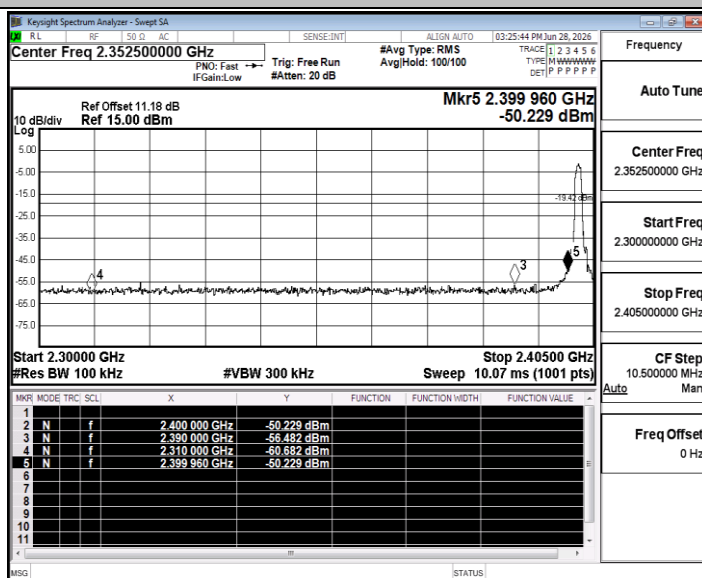
2DH5_Ant1_Low_Hop_2402



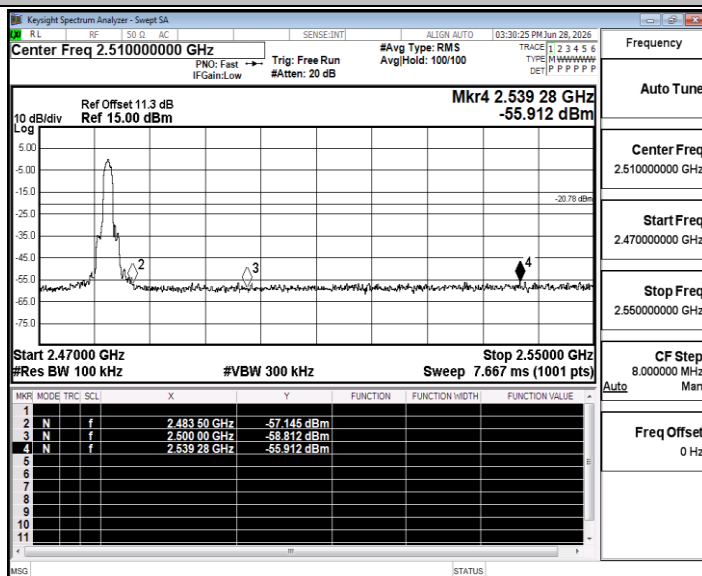
2DH5_Ant1_High_Hop_2480

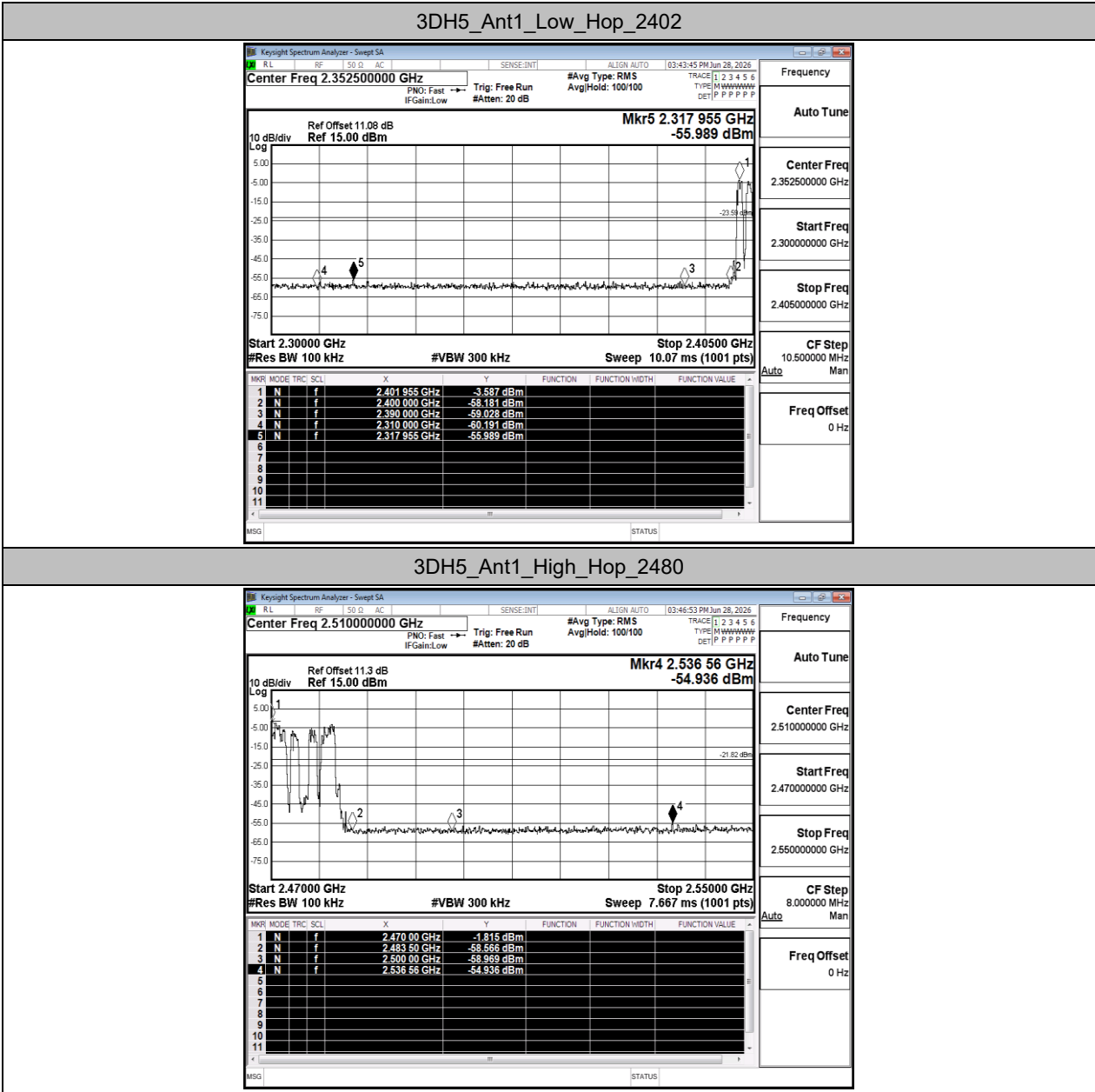


3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



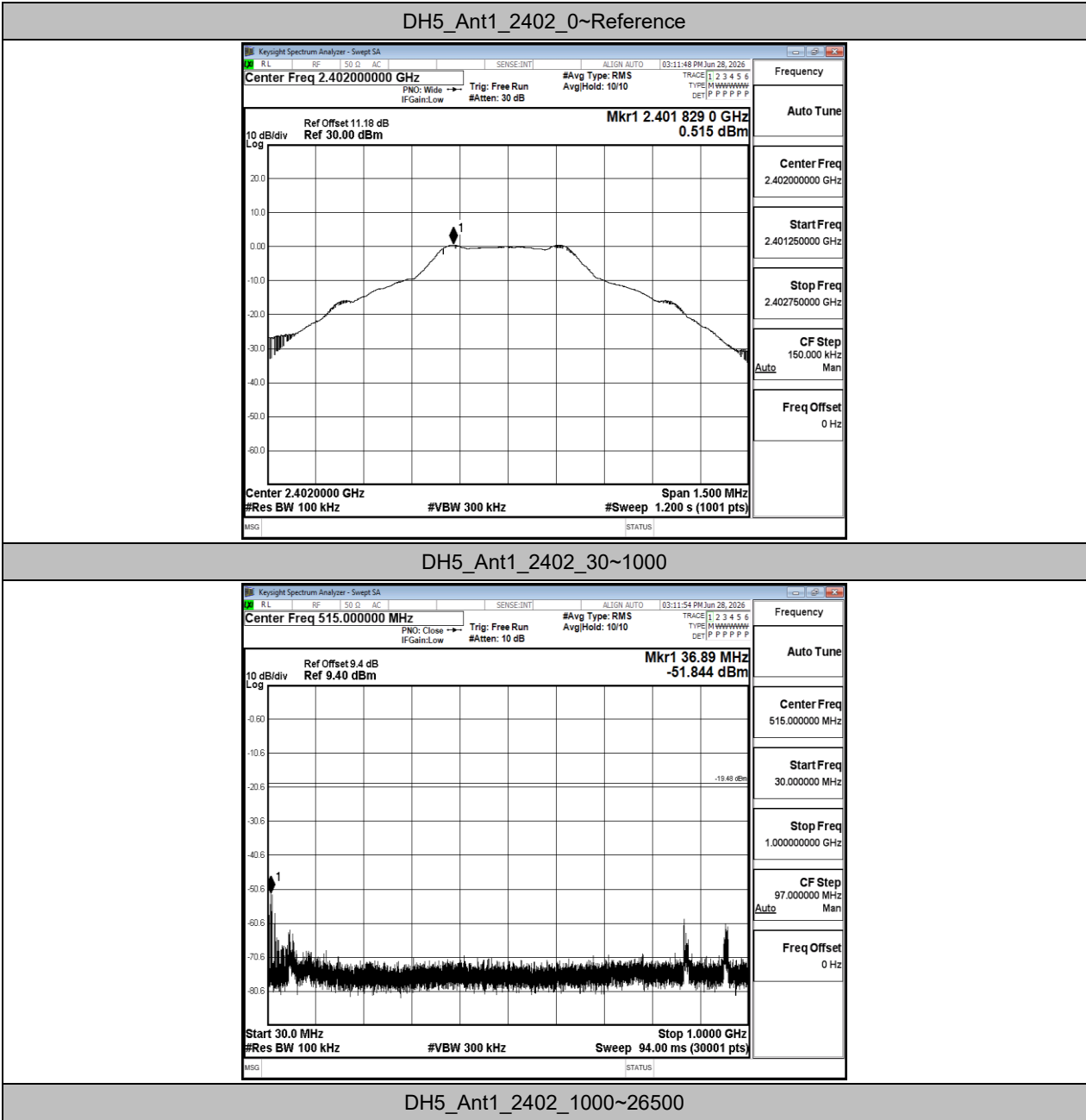


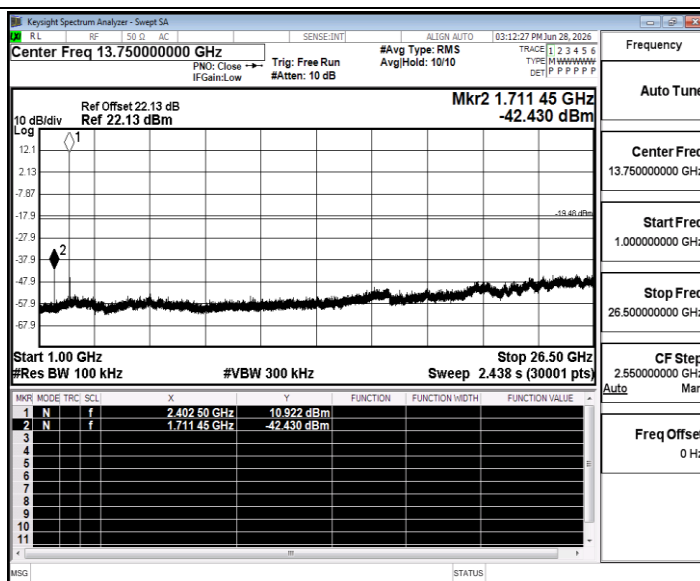
A.7 Conducted Spurious Emission

Test Result

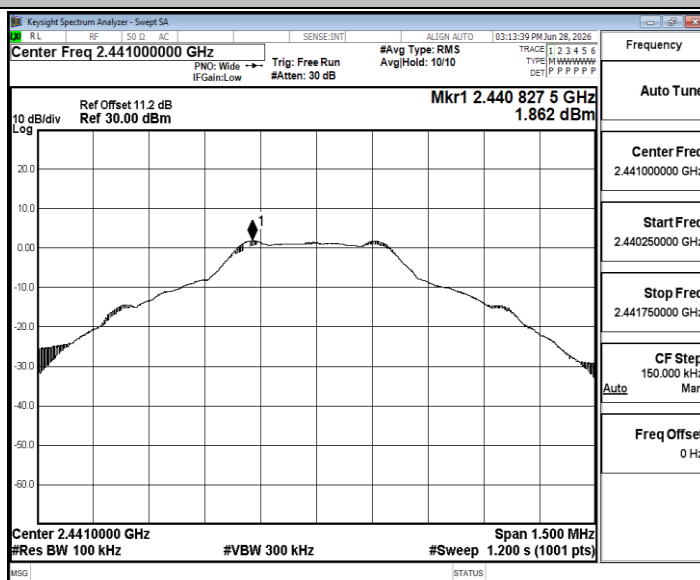
TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.52	0.52	---	PASS
			30~1000	0.52	-51.84	≤-19.48	PASS
			1000~26500	0.52	-42.43	≤-19.48	PASS
		2441	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-49.52	≤-18.14	PASS
			1000~26500	1.86	-44.56	≤-18.14	PASS
		2480	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-46.82	≤-18.7	PASS
			1000~26500	1.30	-28.69	≤-18.7	PASS
2DH5	Ant1	2402	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-48.34	≤-19.57	PASS
			1000~26500	0.43	-44.81	≤-19.57	PASS
		2441	Reference	1.74	1.74	---	PASS
			30~1000	1.74	-51.52	≤-18.26	PASS
			1000~26500	1.74	-44.05	≤-18.26	PASS
		2480	Reference	1.16	1.16	---	PASS
			30~1000	1.16	-50.94	≤-18.84	PASS
			1000~26500	1.16	-44.79	≤-18.84	PASS
3DH5	Ant1	2402	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-51.53	≤-19.37	PASS
			1000~26500	0.63	-43.98	≤-19.37	PASS
		2441	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-51.07	≤-18.25	PASS
			1000~26500	1.75	-31.37	≤-18.25	PASS
		2480	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-50.49	≤-18.85	PASS
			1000~26500	1.15	-44.83	≤-18.85	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

