

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Earphone

Test Model: Buds 3

Environmental Conditions

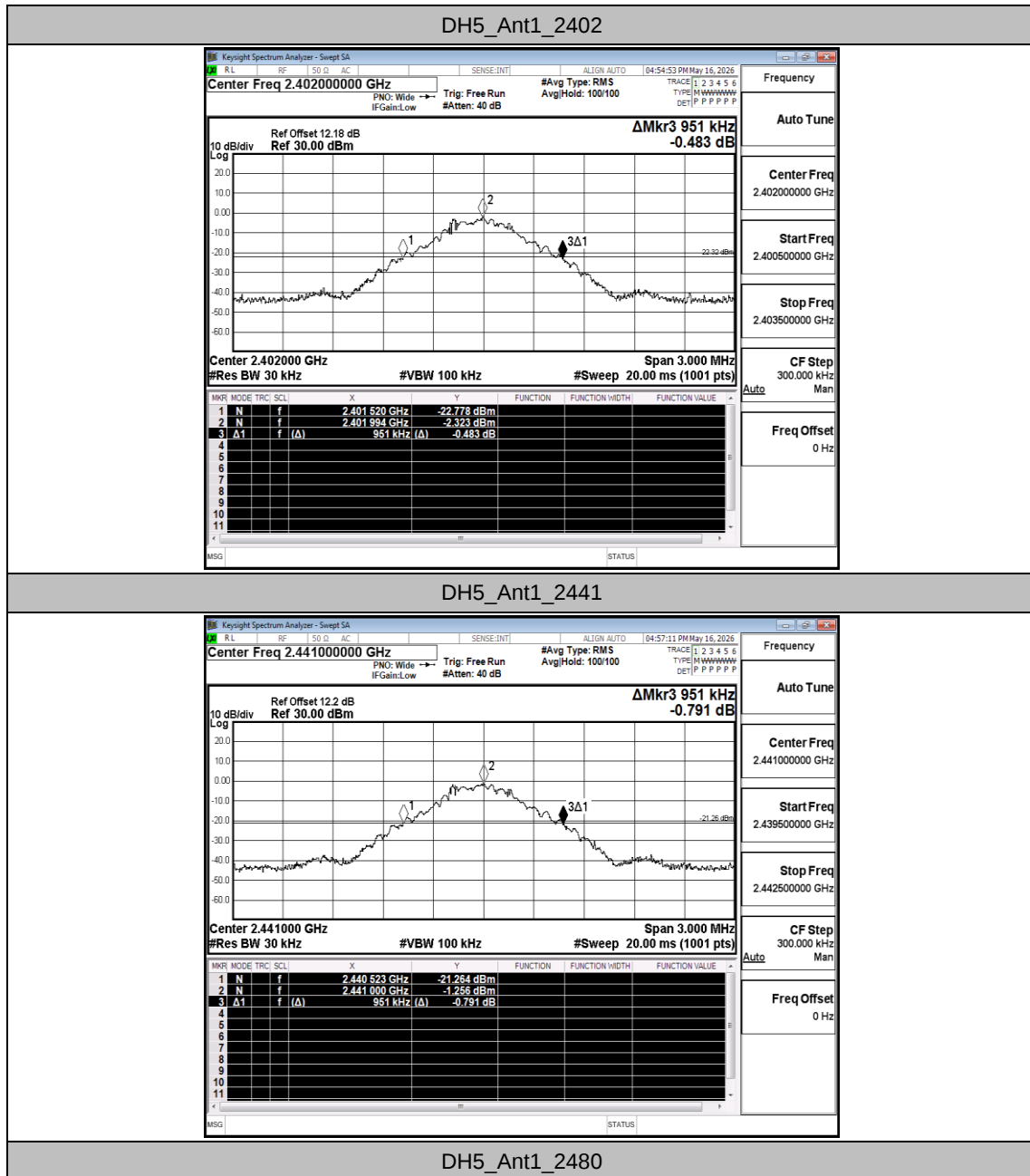
Temperature:	23.5°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

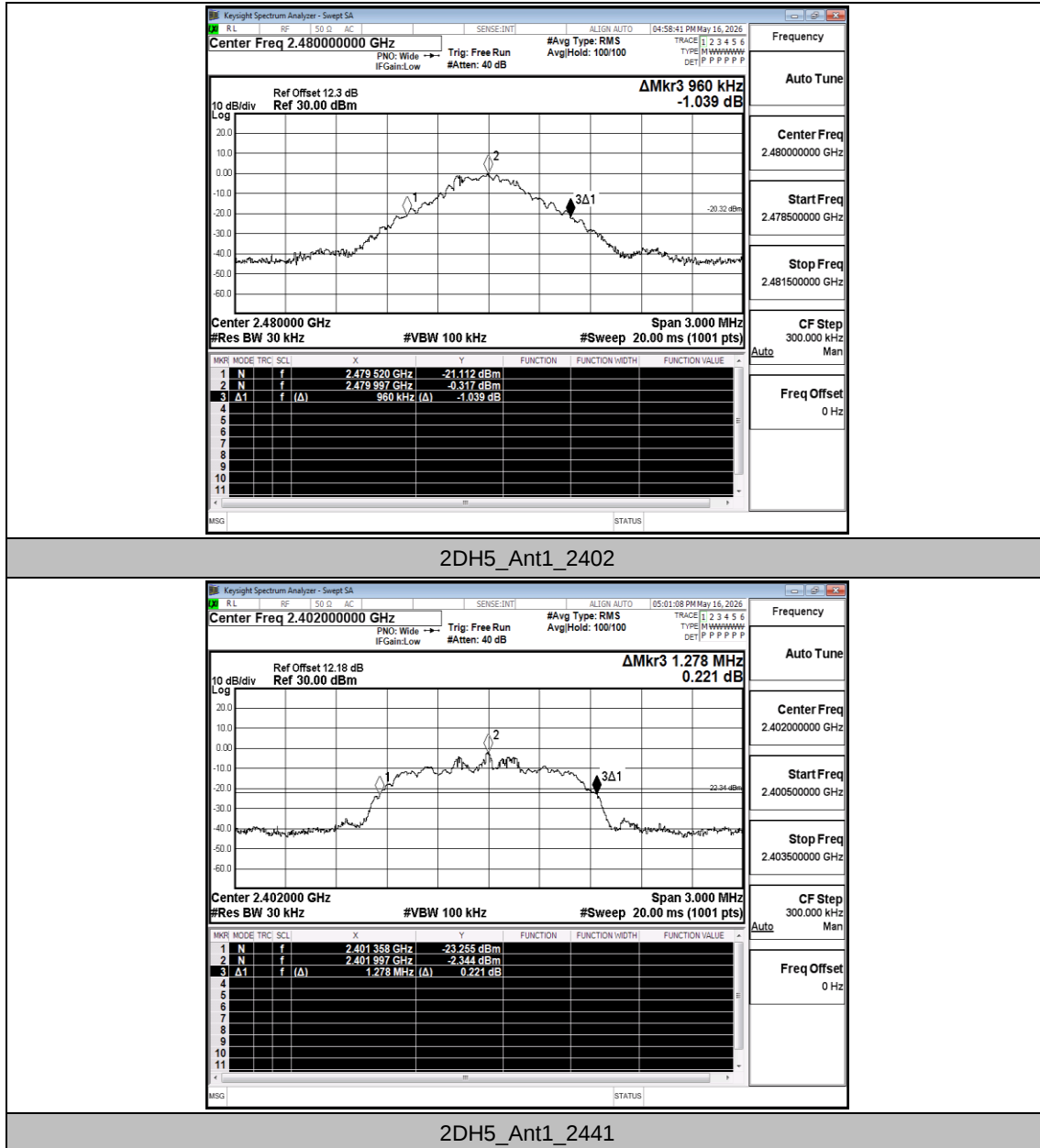
A.1 20dB Emission Bandwidth

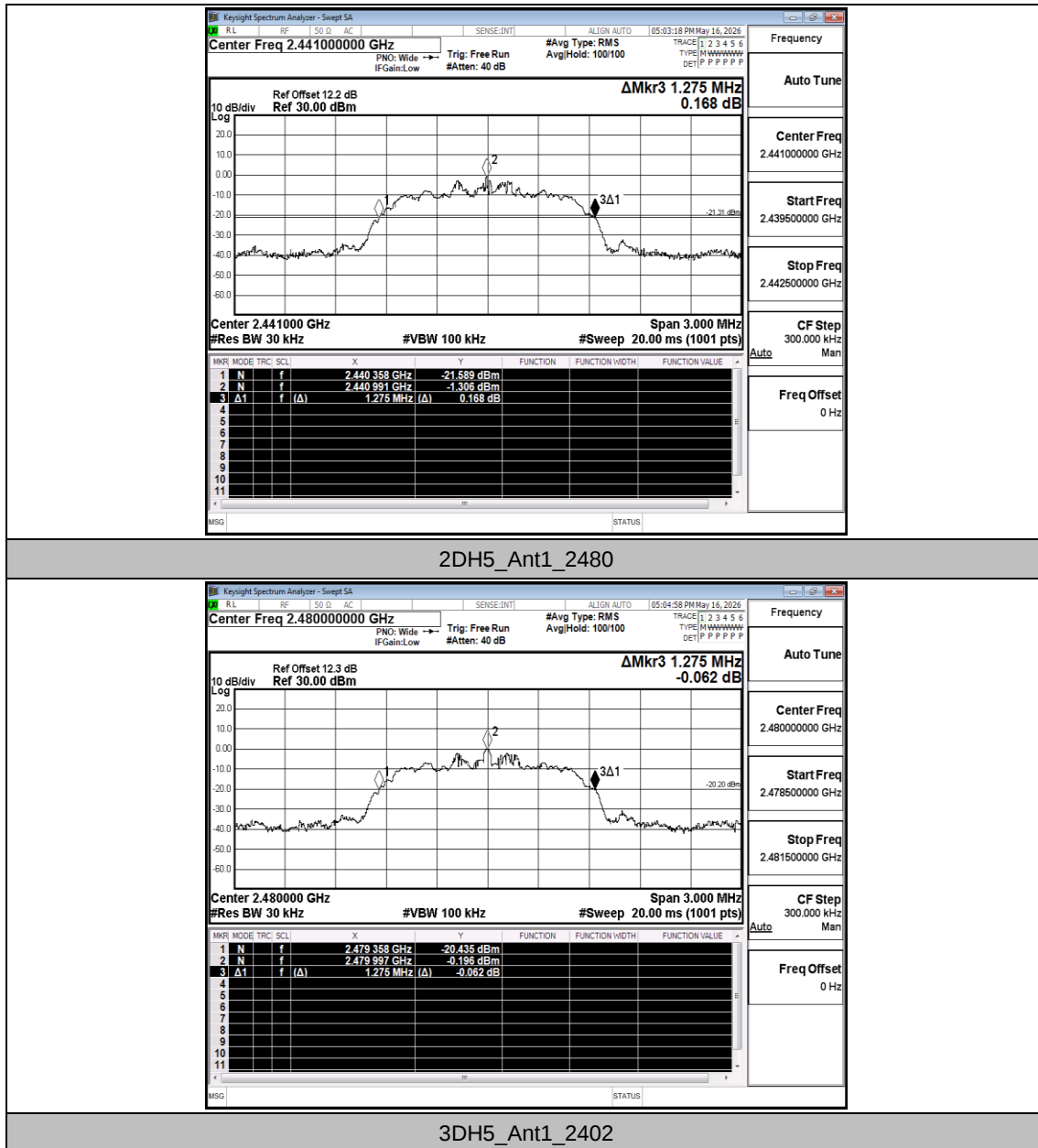
Test Result

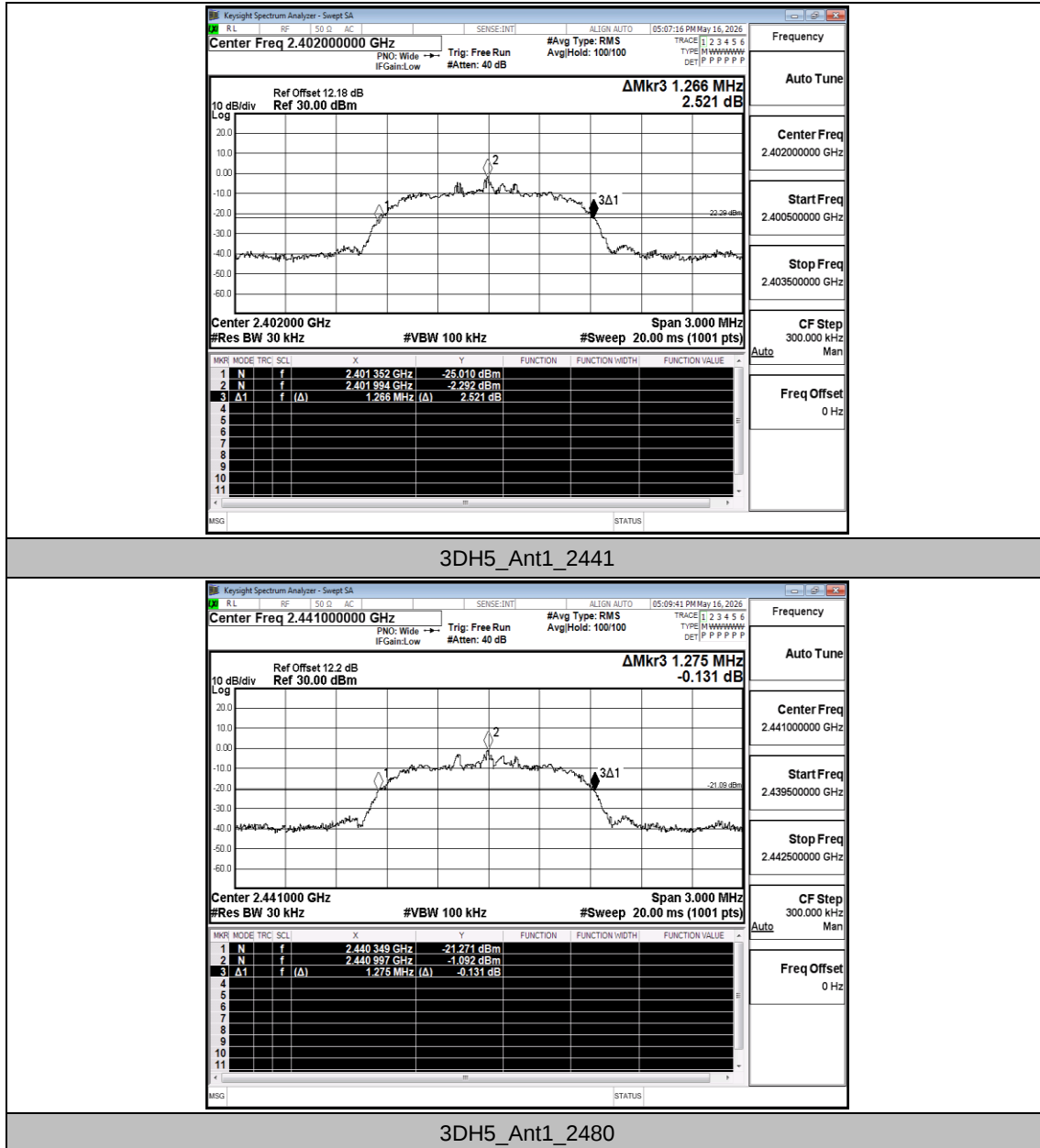
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.520	2402.471	---	---
		2441	0.951	2440.523	2441.474	---	---
		2480	0.960	2479.520	2480.480	---	---
2DH5	Ant1	2402	1.278	2401.358	2402.636	---	---
		2441	1.275	2440.358	2441.633	---	---
		2480	1.275	2479.358	2480.633	---	---
3DH5	Ant1	2402	1.266	2401.352	2402.618	---	---
		2441	1.275	2440.349	2441.624	---	---
		2480	1.269	2479.349	2480.618	---	---

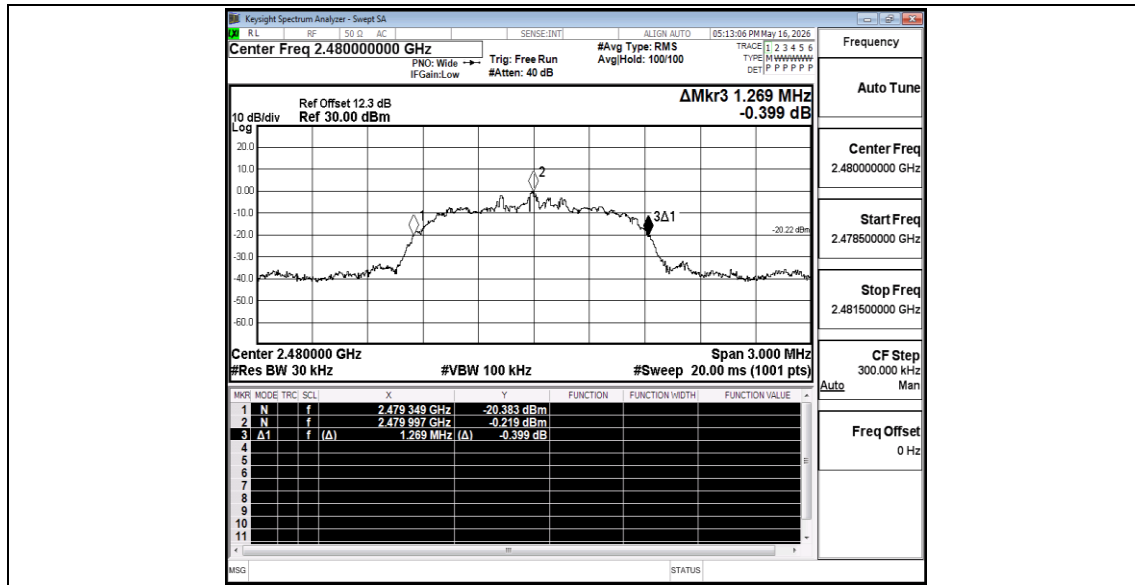
Test Graphs









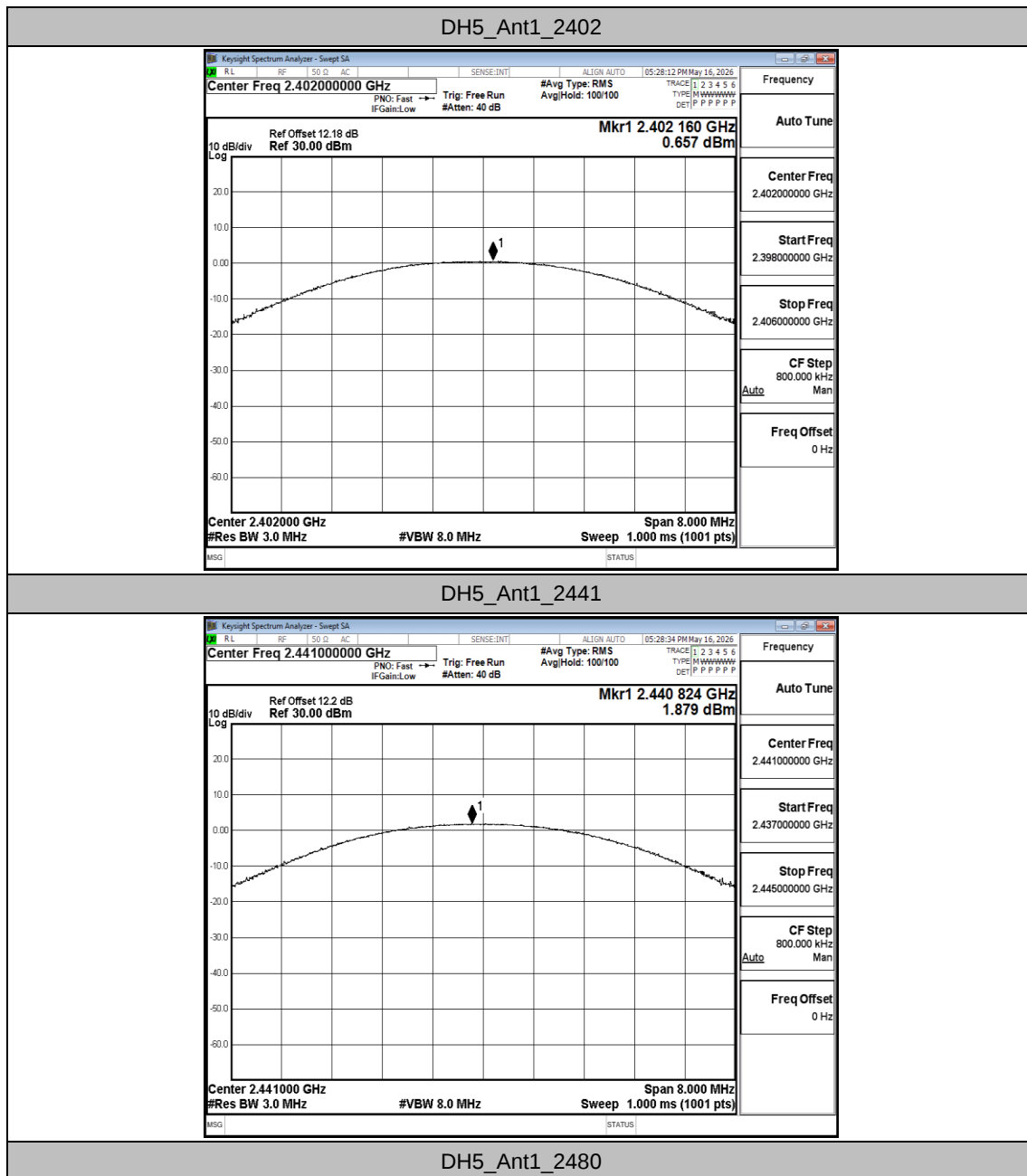


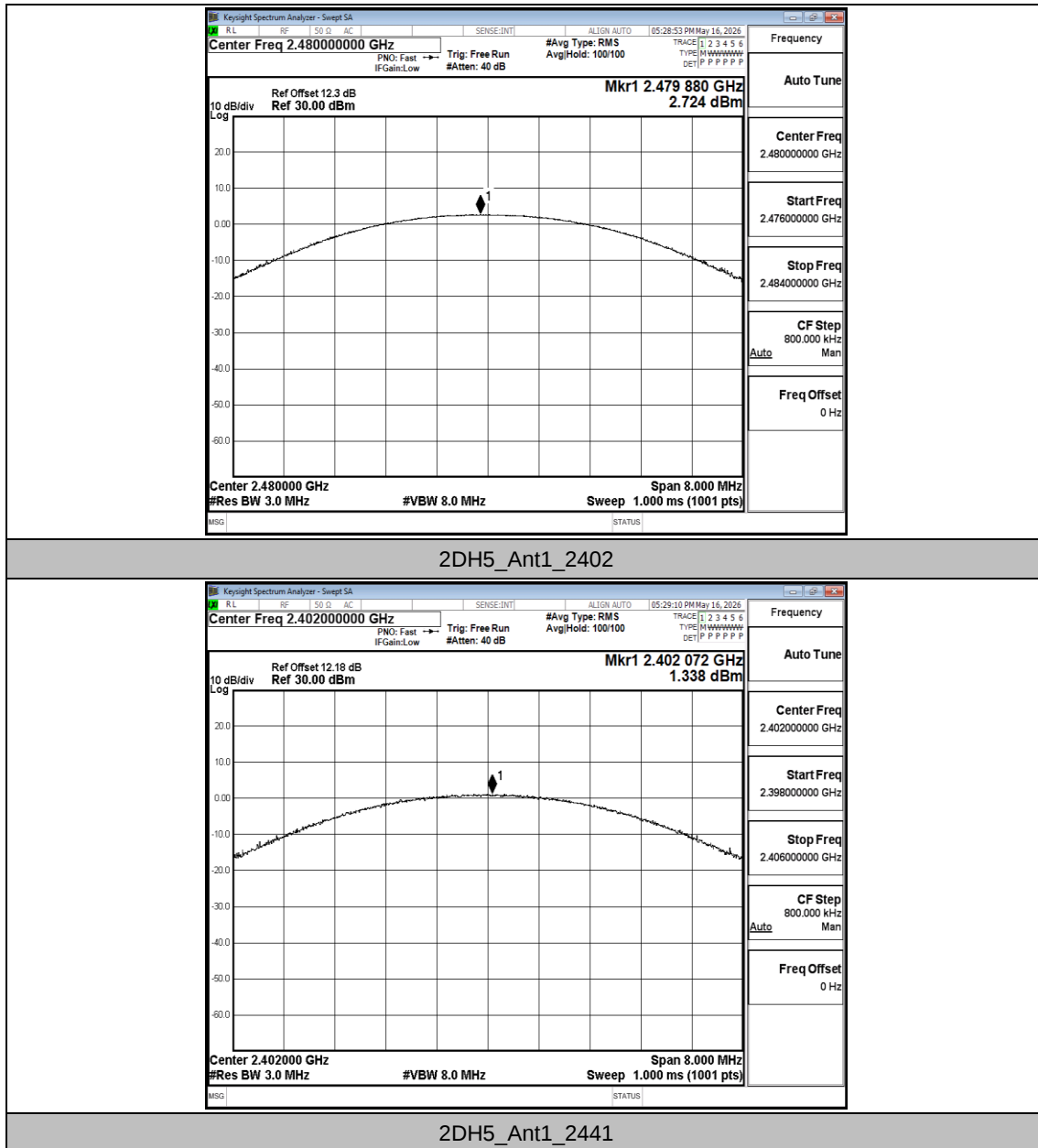
A.2 Maximum Peak conducted output power

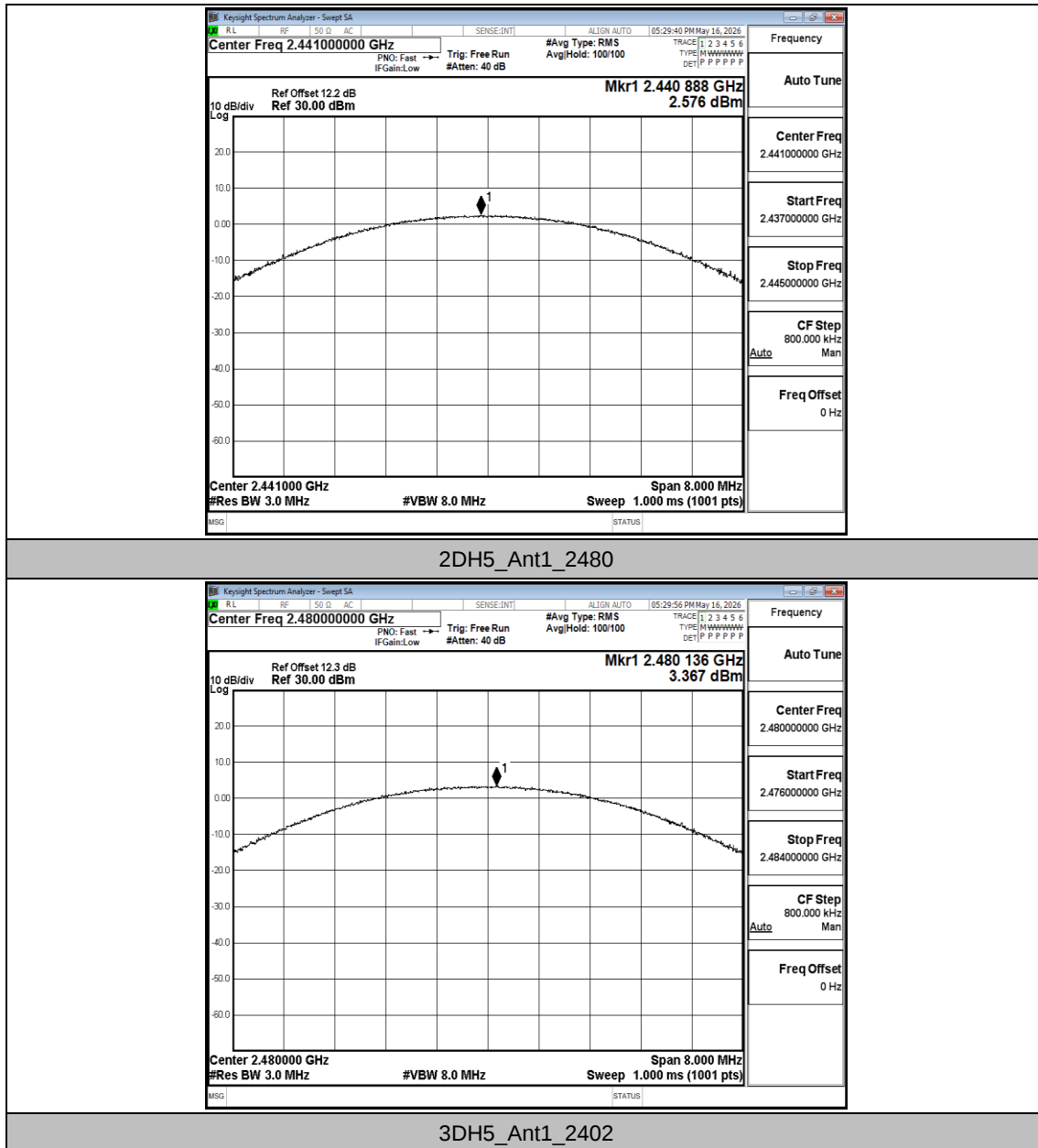
Test Result Peak

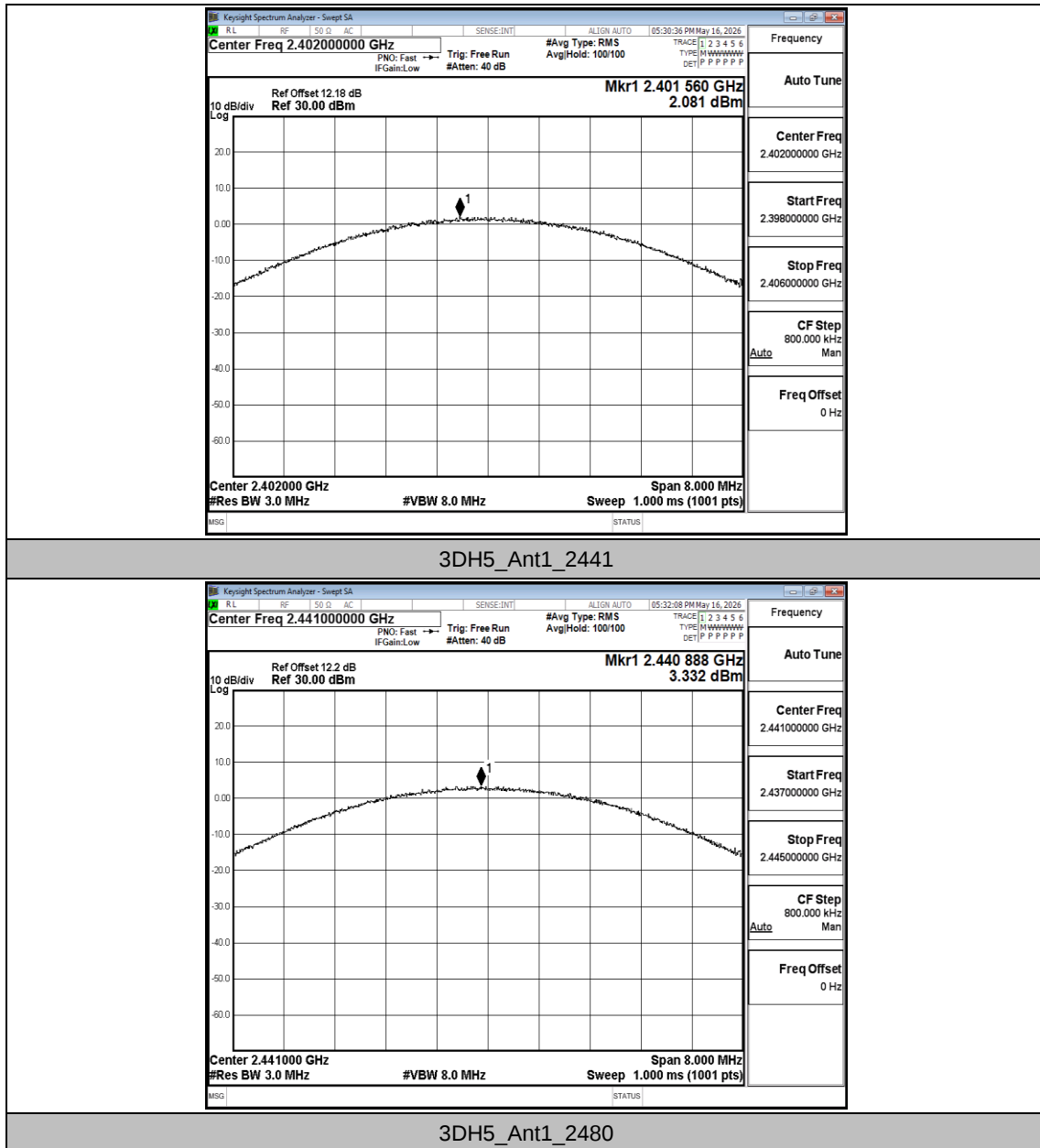
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.66	≤21	PASS
		2441	1.88	≤21	PASS
		2480	2.72	≤21	PASS
2DH5	Ant1	2402	1.34	≤21	PASS
		2441	2.58	≤21	PASS
		2480	3.37	≤21	PASS
3DH5	Ant1	2402	2.08	≤21	PASS
		2441	3.33	≤21	PASS
		2480	4.21	≤21	PASS

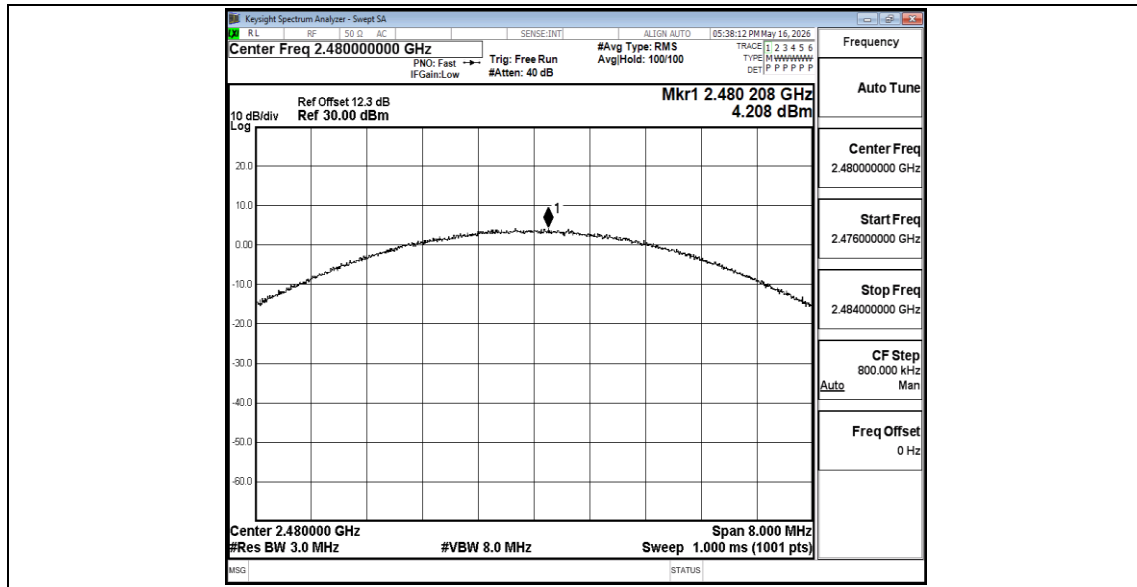
Test Graphs









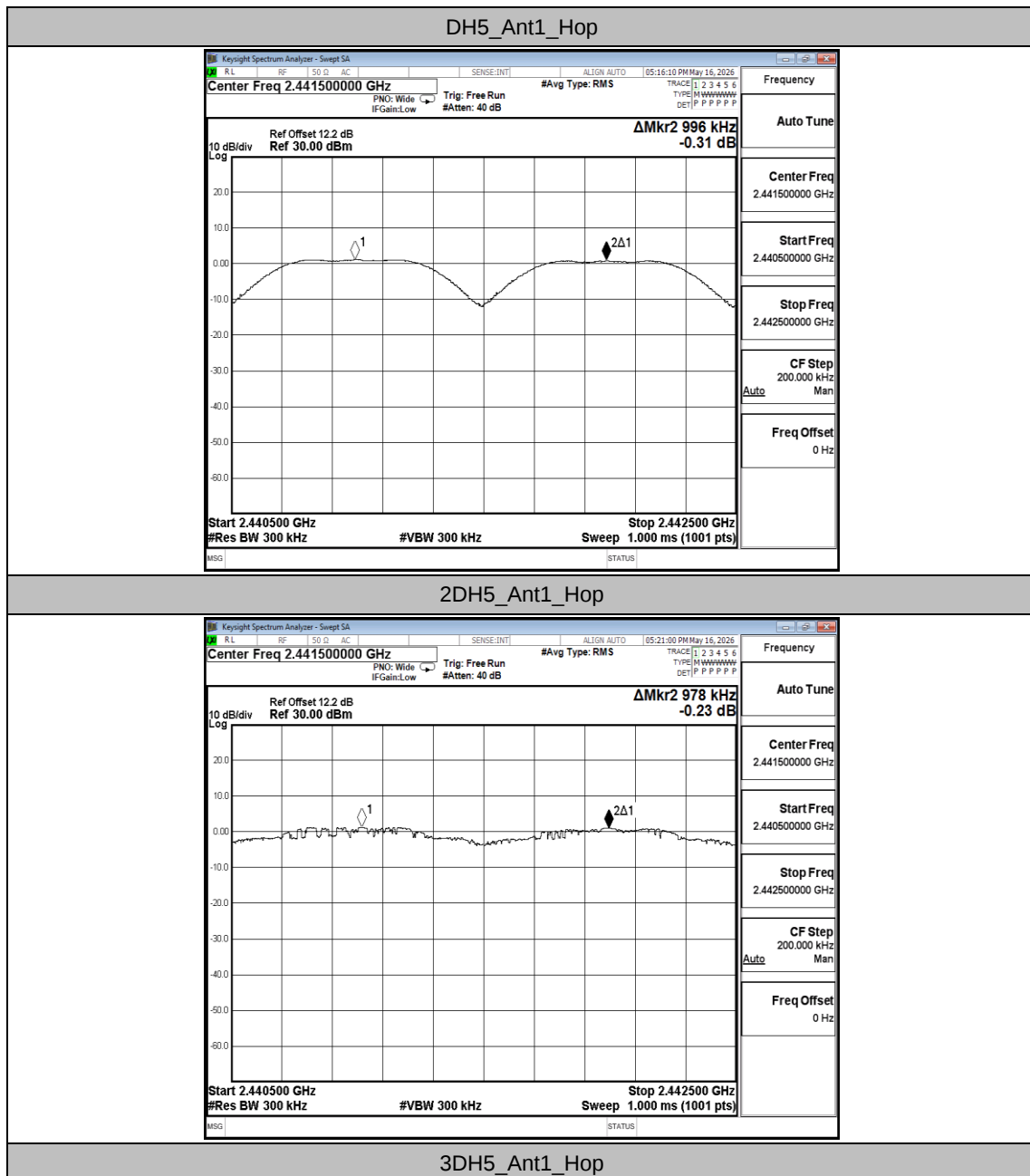


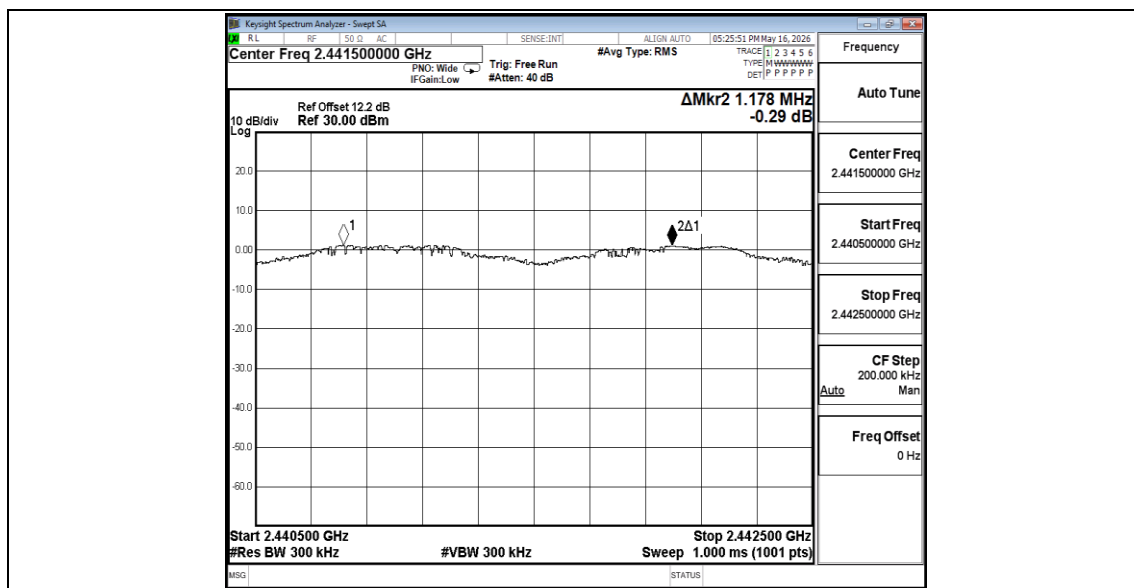
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.640	PASS
2DH5	Ant1	Hop	0.978	≥0.852	PASS
3DH5	Ant1	Hop	1.178	≥0.850	PASS

Test Graphs



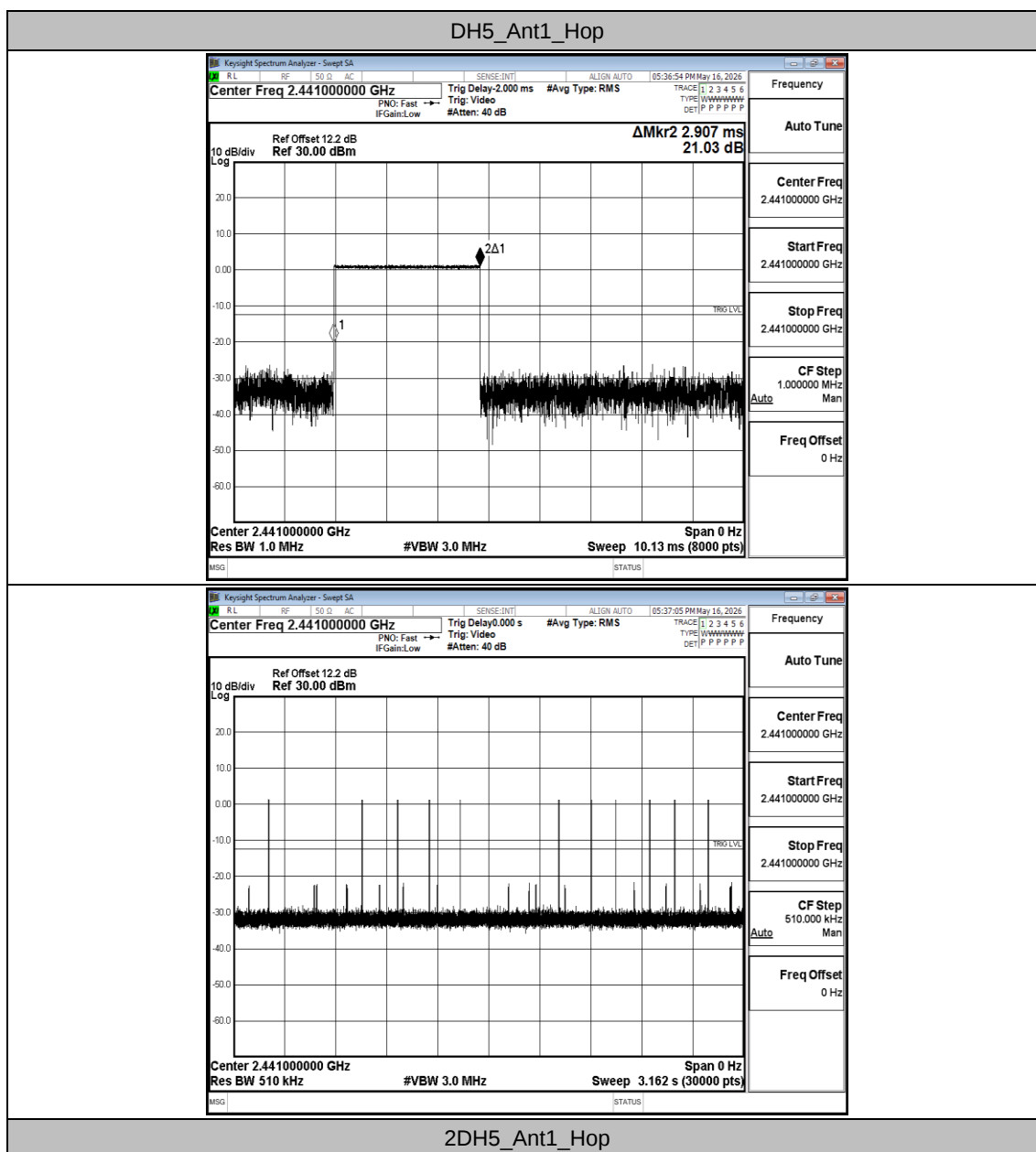


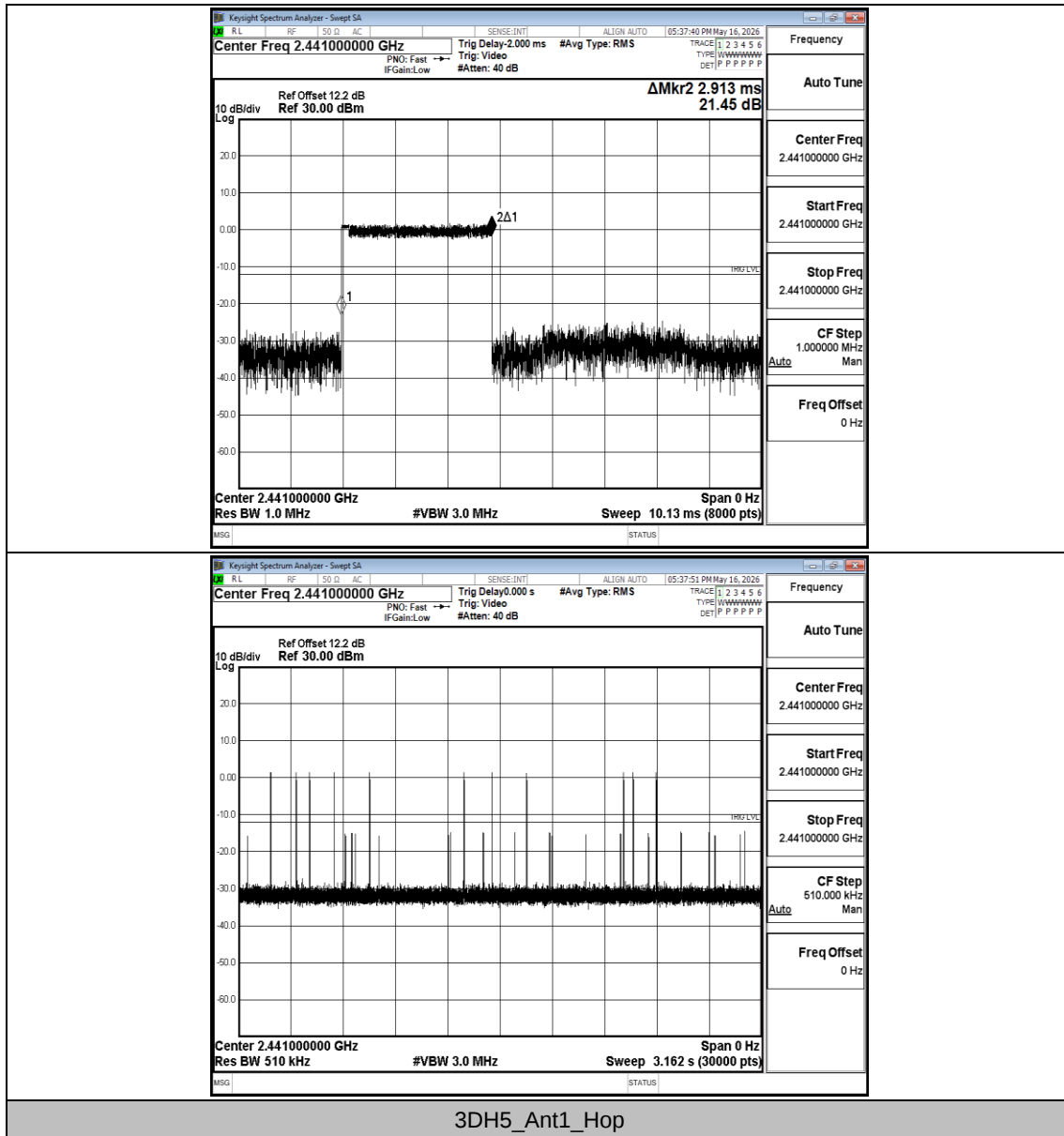
A.4 Time of occupancy

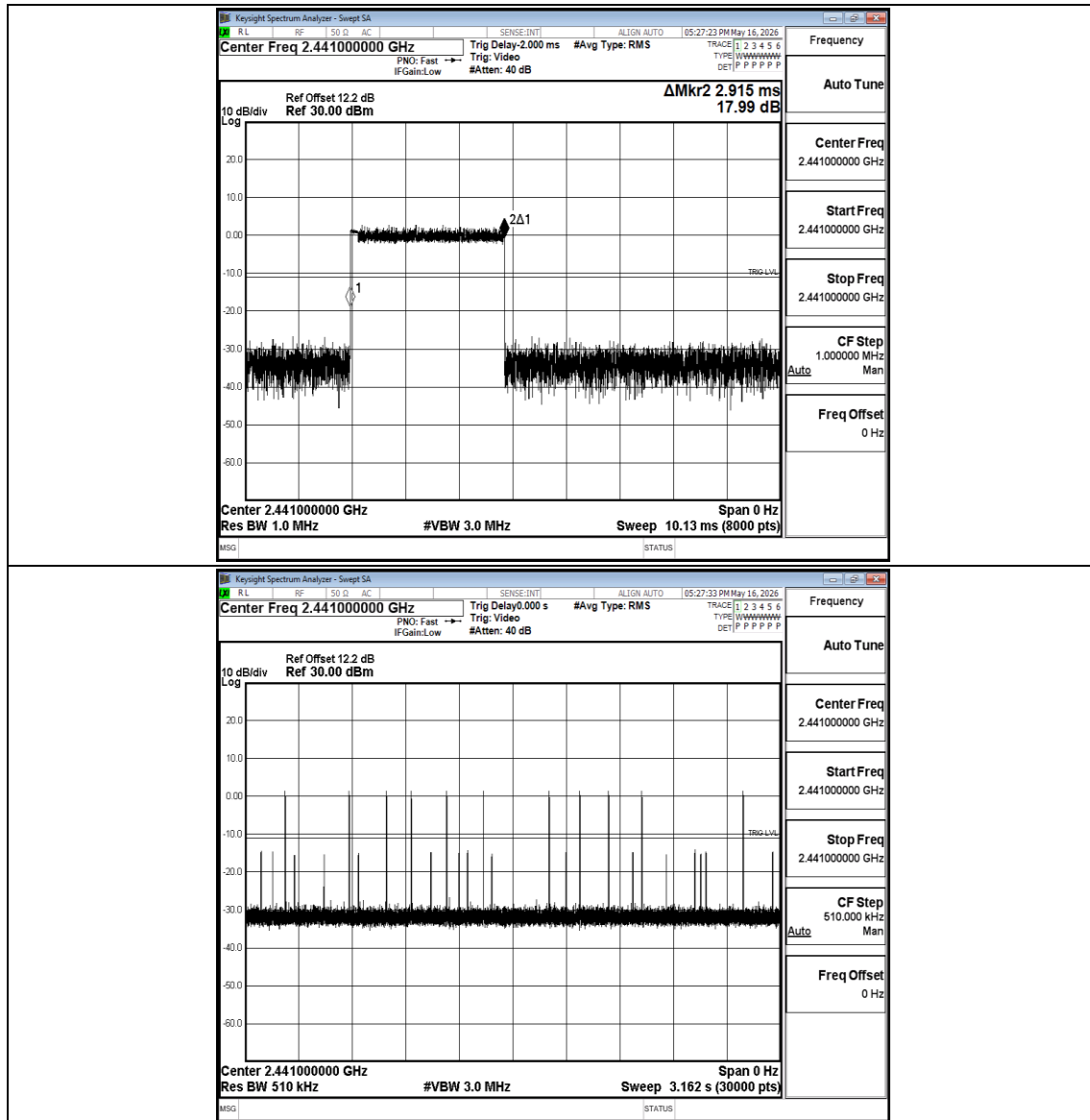
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	120	0.349	≤0.4	PASS
2DH5	Ant1	Hop	2.913	120	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.915	130	0.379	≤0.4	PASS

Test Graphs





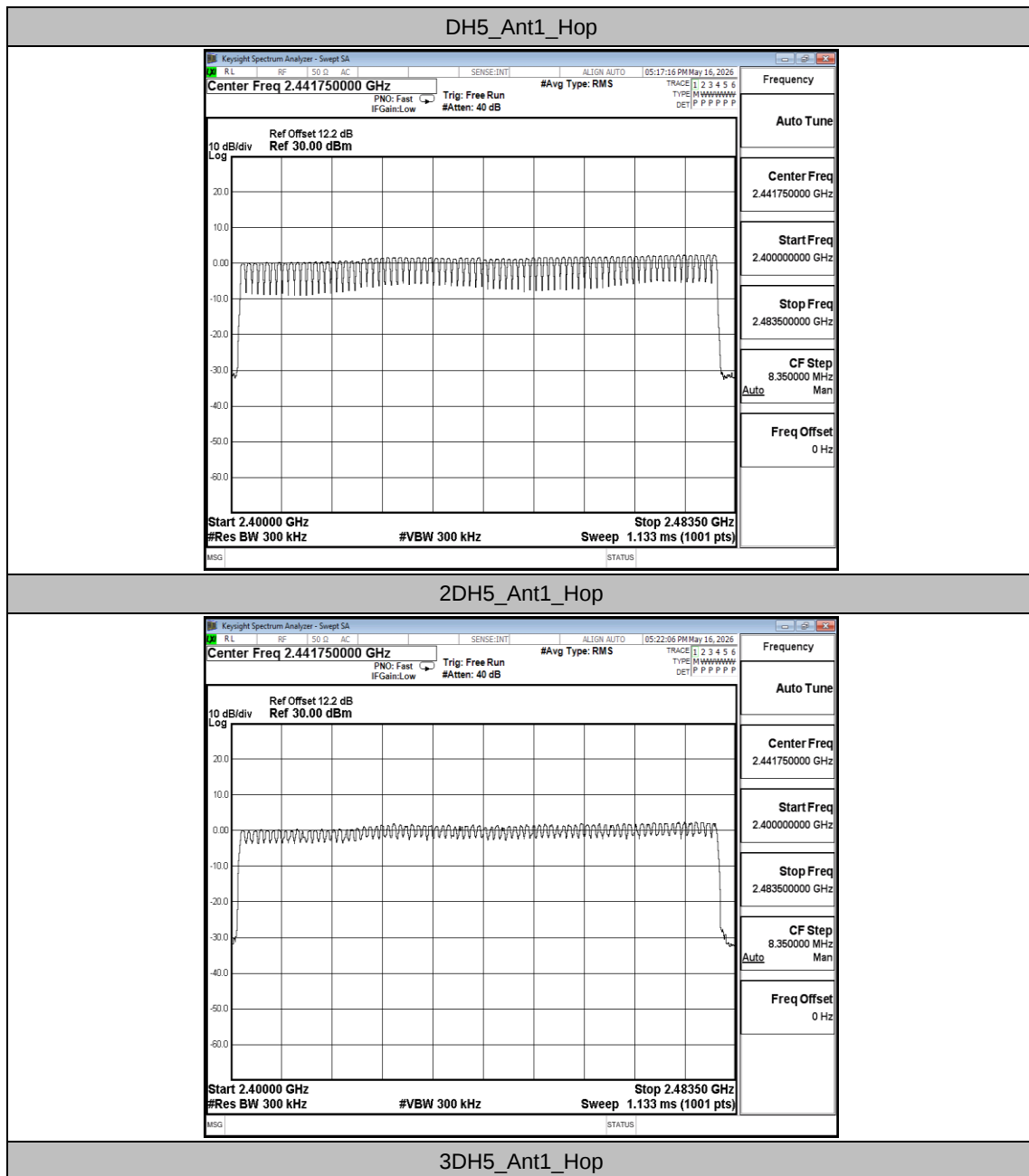


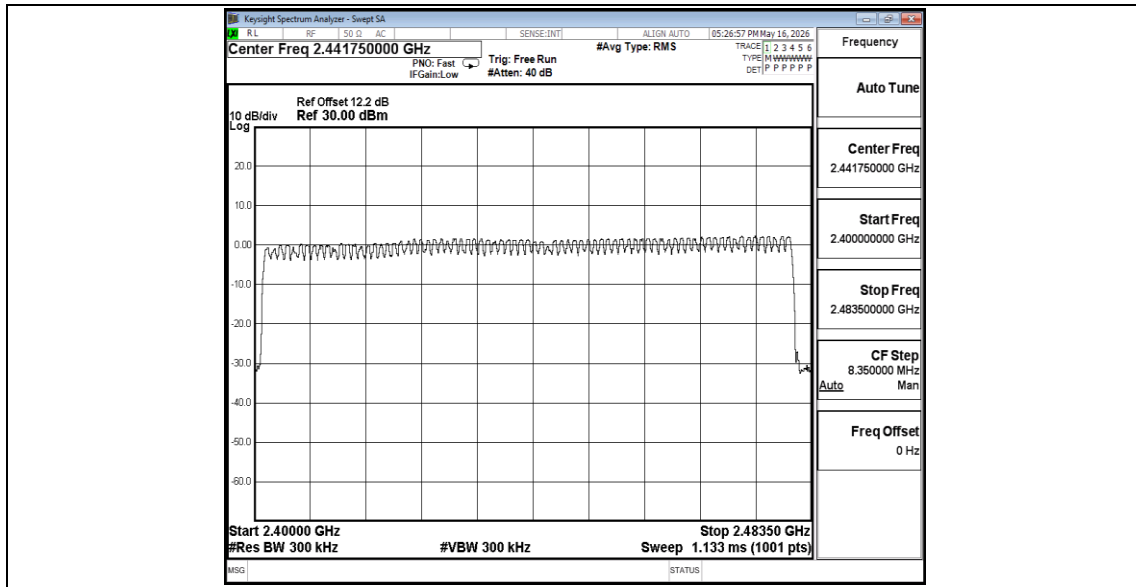
A.5 Number of hopping channels

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



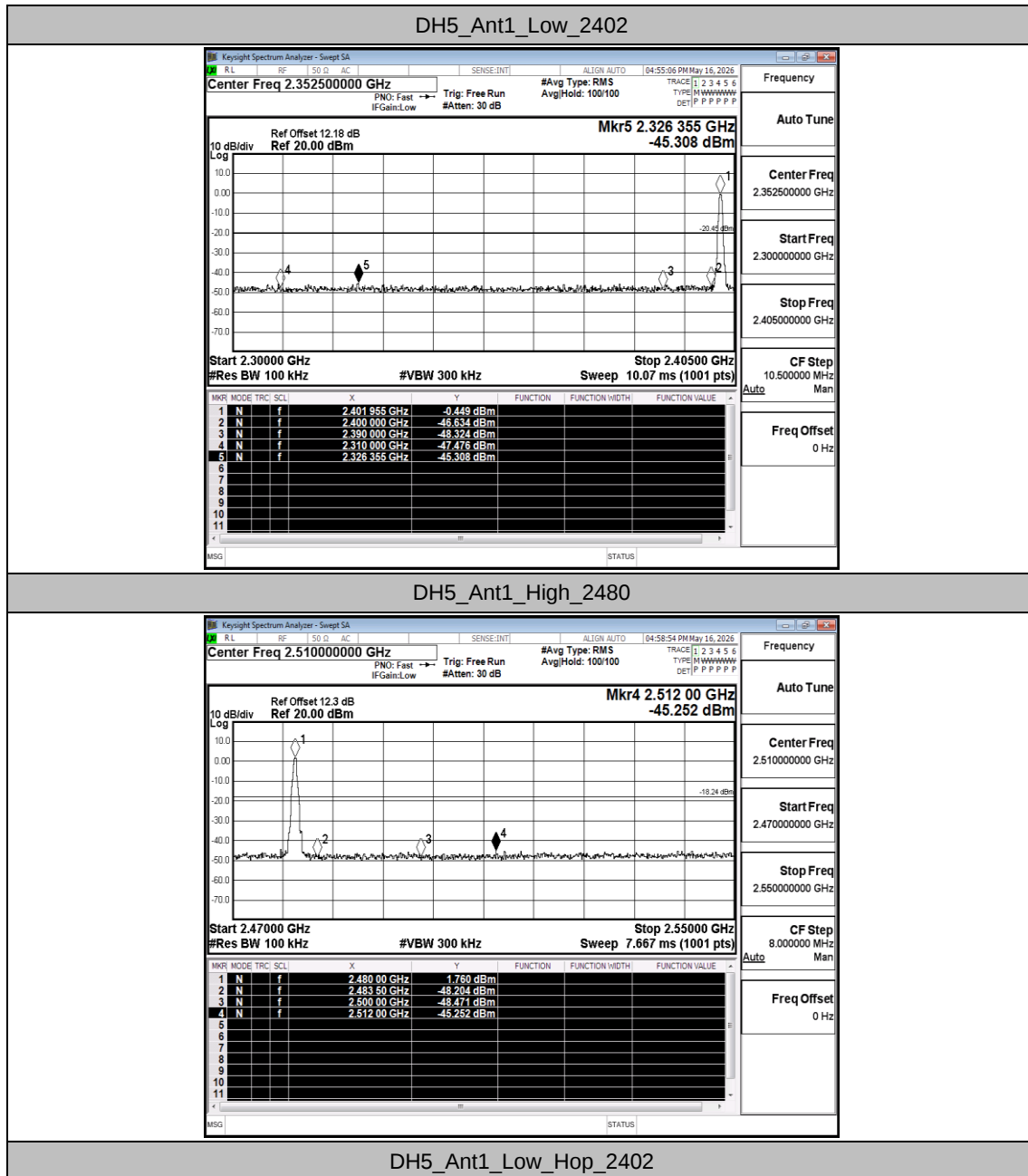


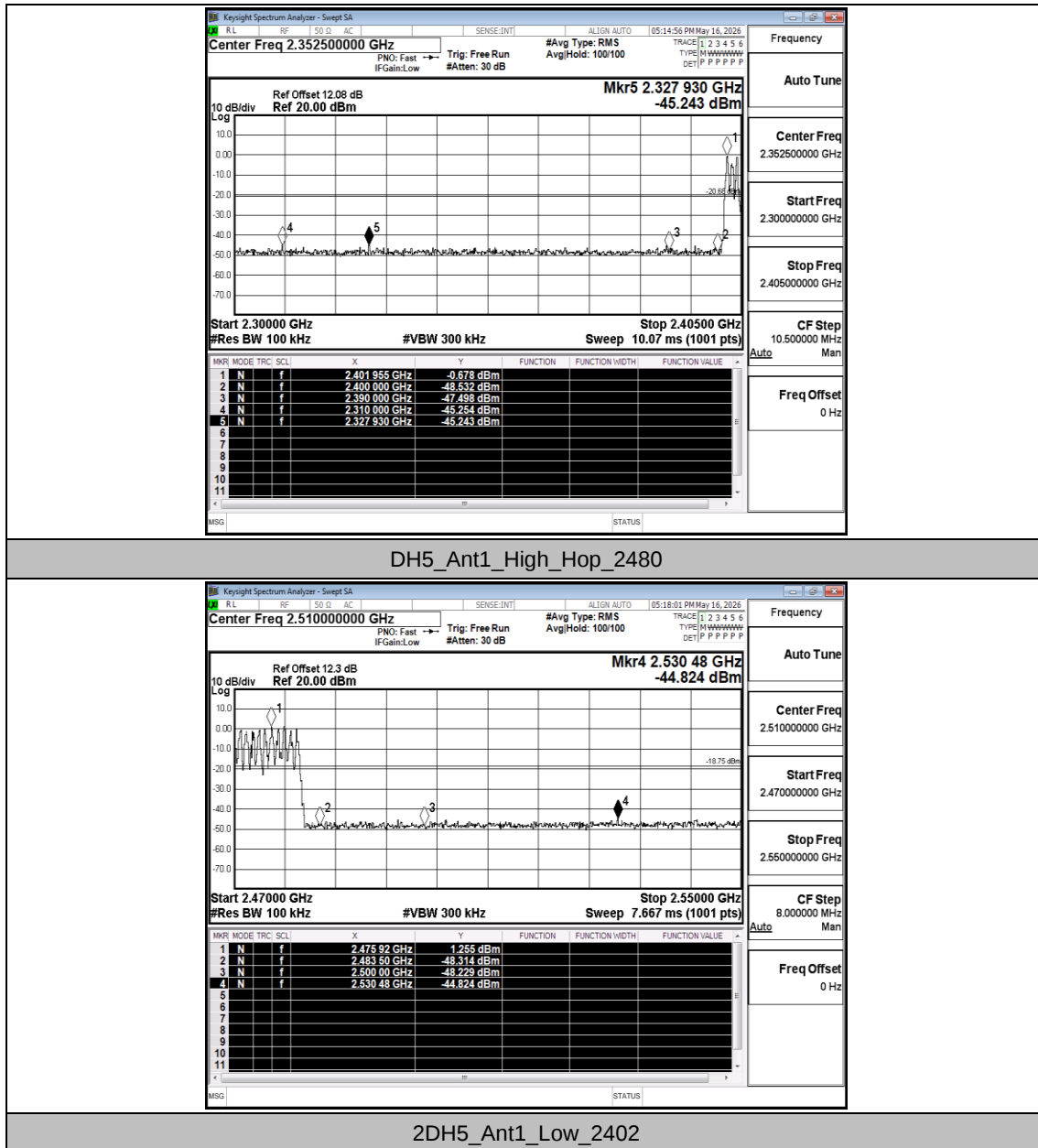
A.6 Band edge measurements

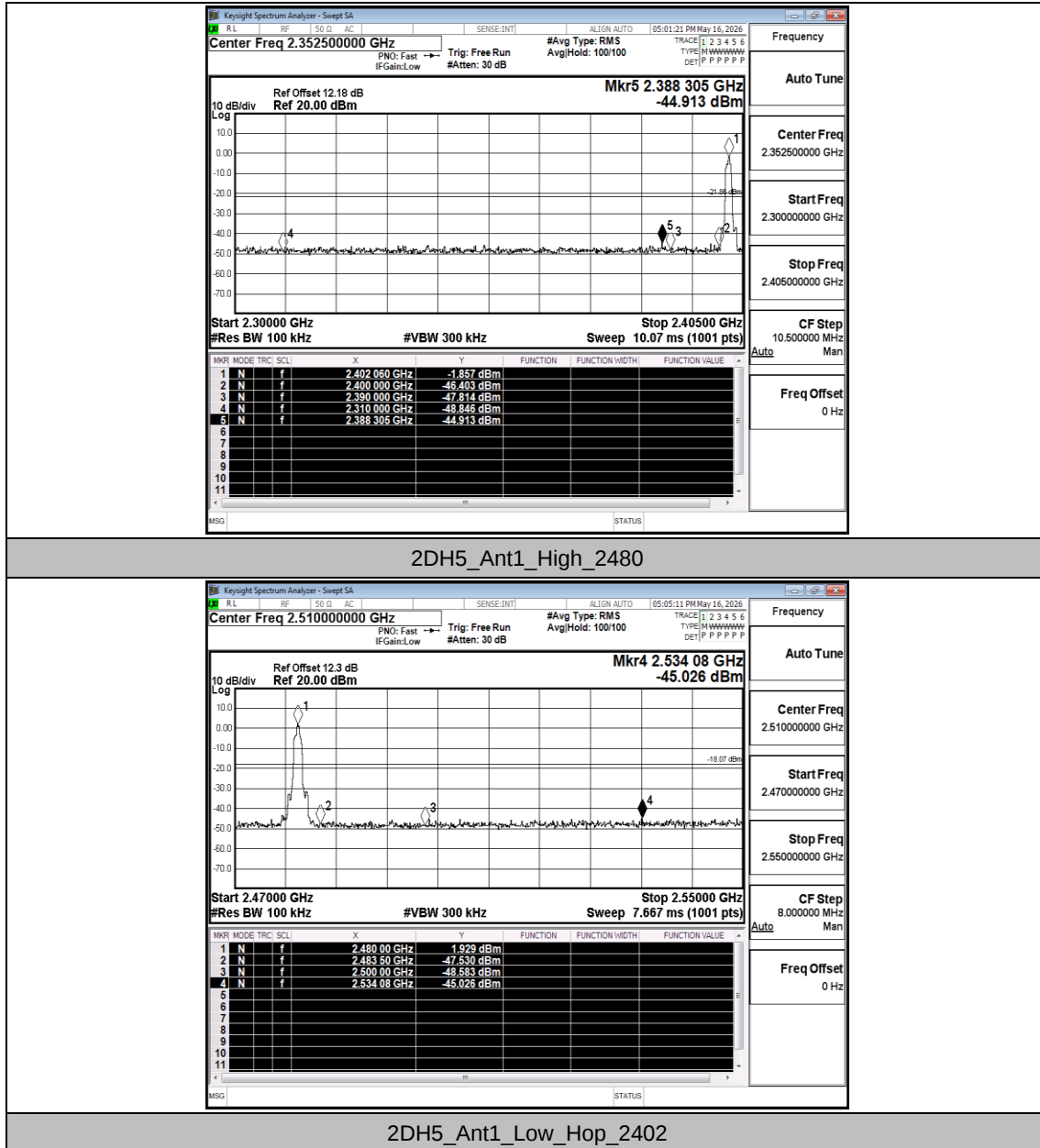
Test Result

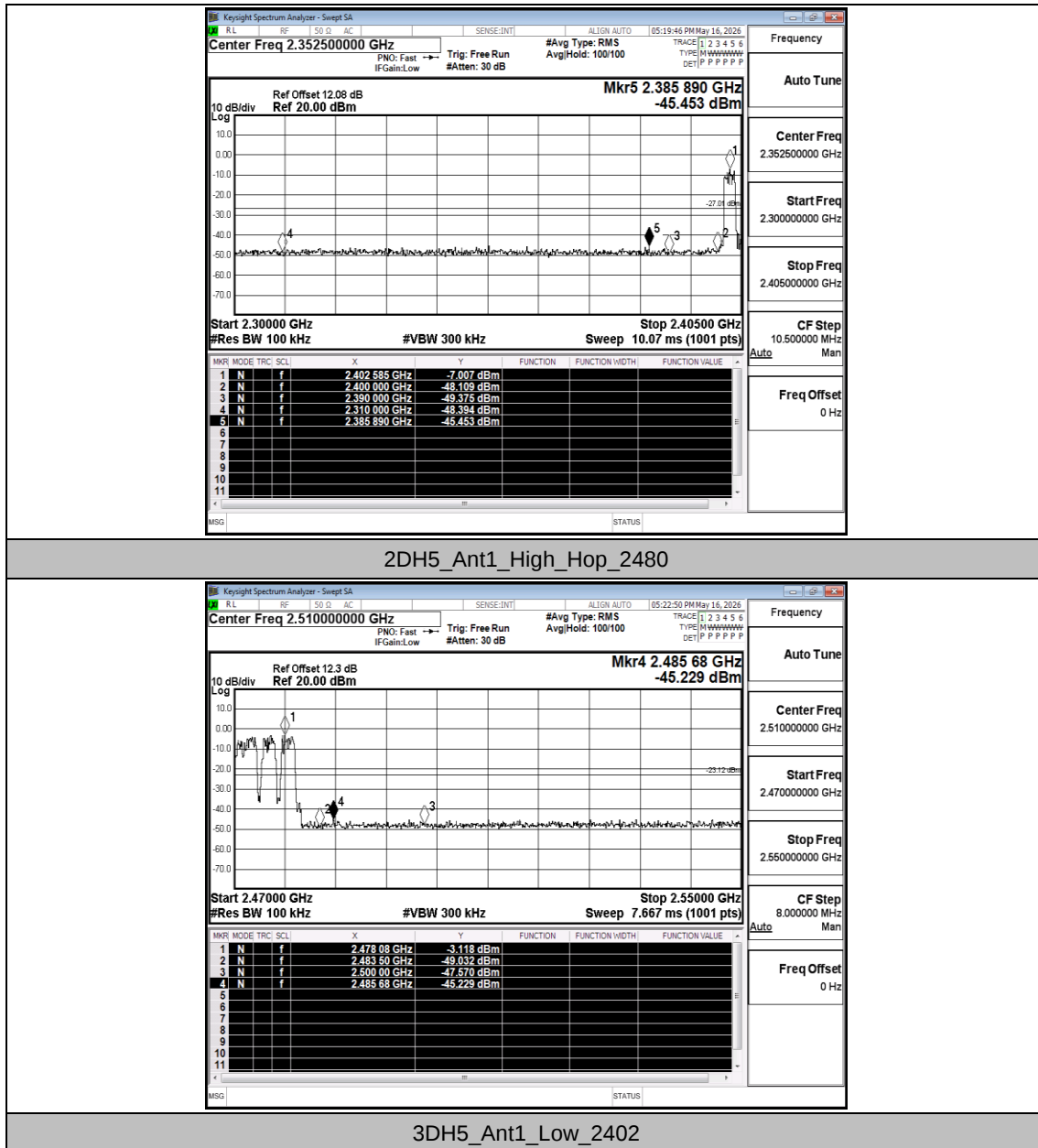
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.45	-45.31	≤-20.45	PASS
		High	2480	1.76	-45.25	≤-18.24	PASS
		Low	Hop_2402	-0.68	-45.24	≤-20.68	PASS
		High	Hop_2480	1.26	-44.82	≤-18.75	PASS
2DH5	Ant1	Low	2402	-1.86	-44.91	≤-21.86	PASS
		High	2480	1.93	-45.03	≤-18.07	PASS
		Low	Hop_2402	-7.01	-45.45	≤-27.01	PASS
		High	Hop_2480	-3.12	-45.23	≤-23.12	PASS
3DH5	Ant1	Low	2402	-0.97	-45.21	≤-20.97	PASS
		High	2480	1.04	-44.9	≤-18.96	PASS
		Low	Hop_2402	-2.74	-45.55	≤-22.74	PASS
		High	Hop_2480	-2.43	-45	≤-22.43	PASS

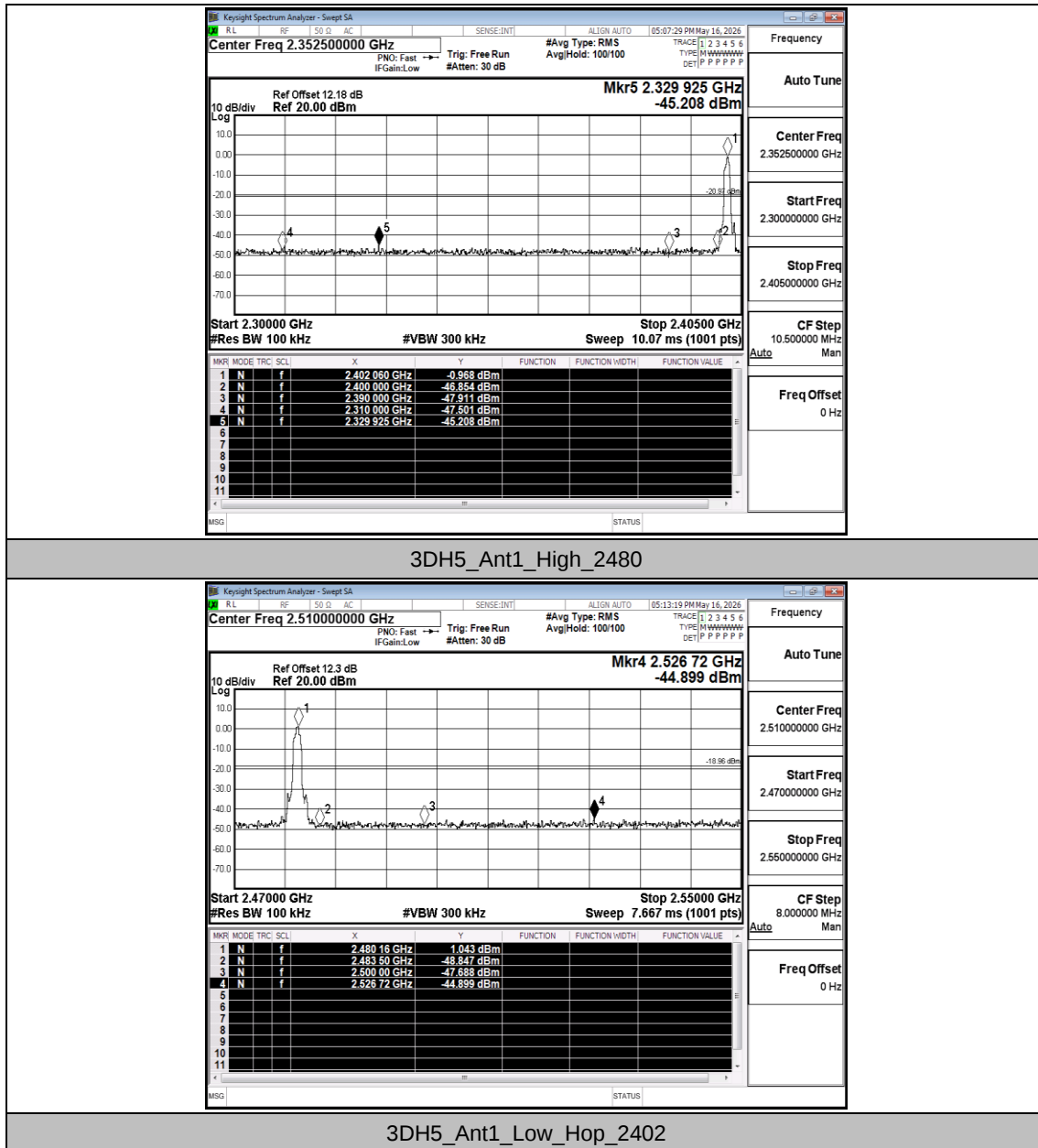
Test Graphs

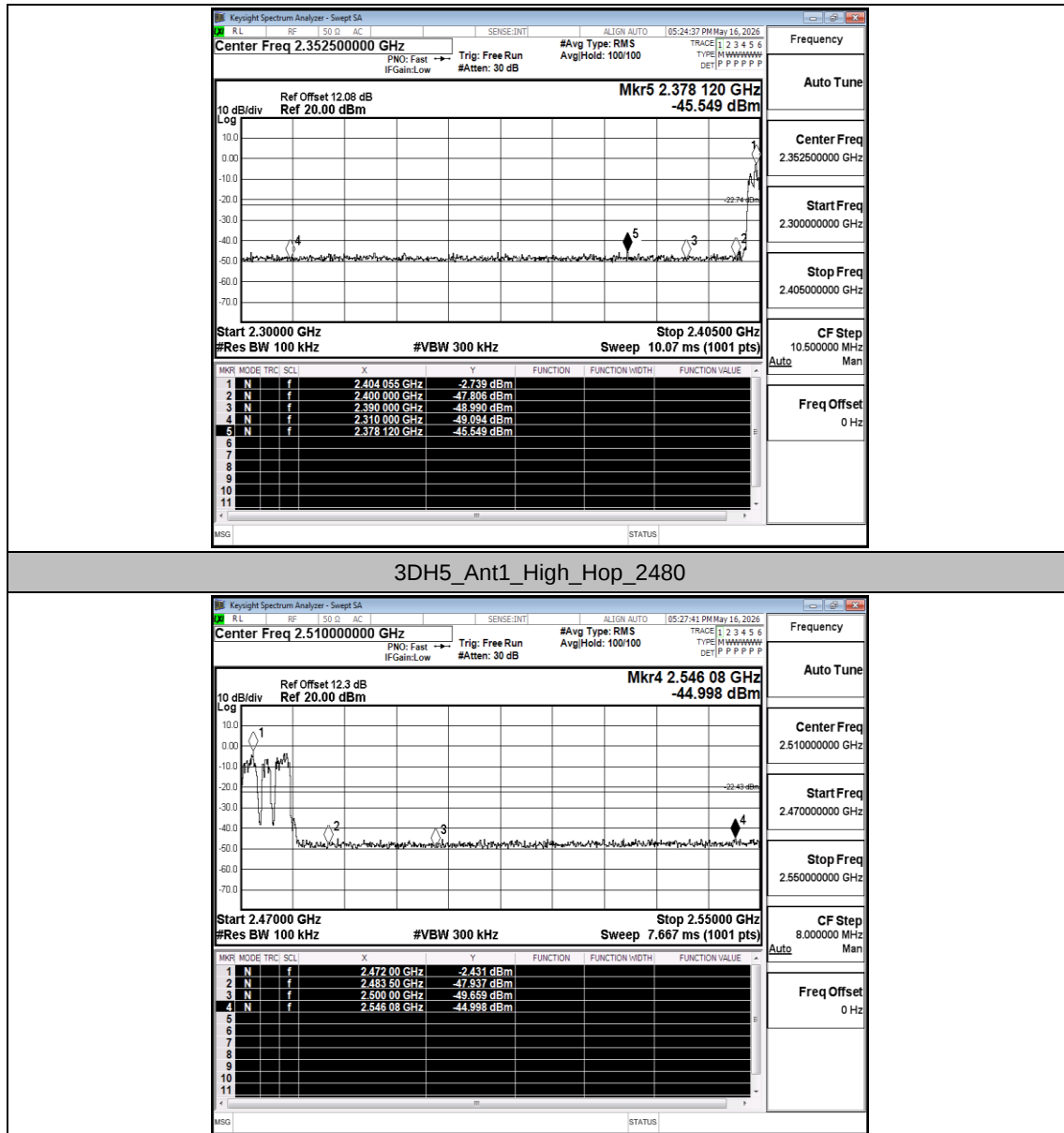










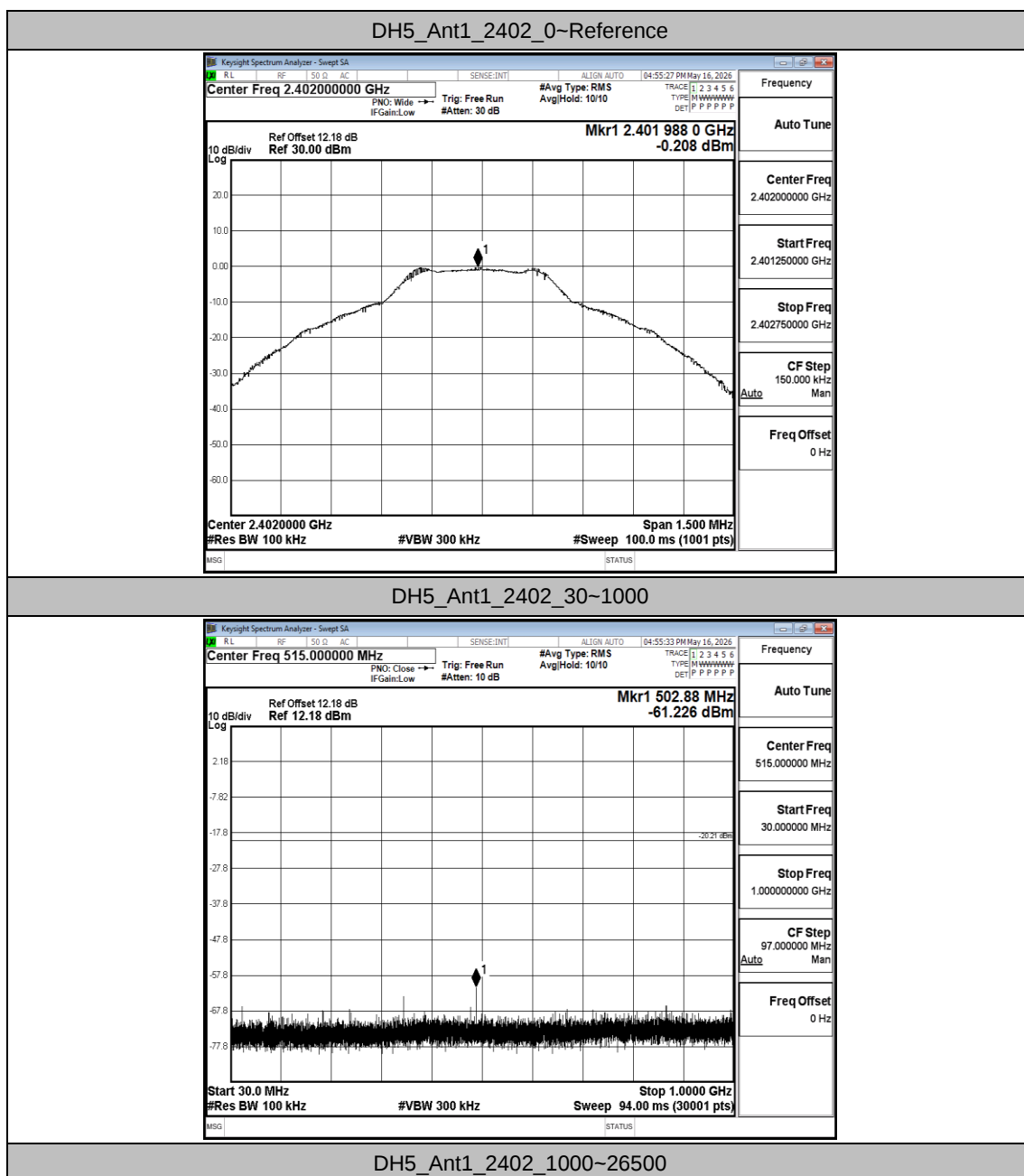


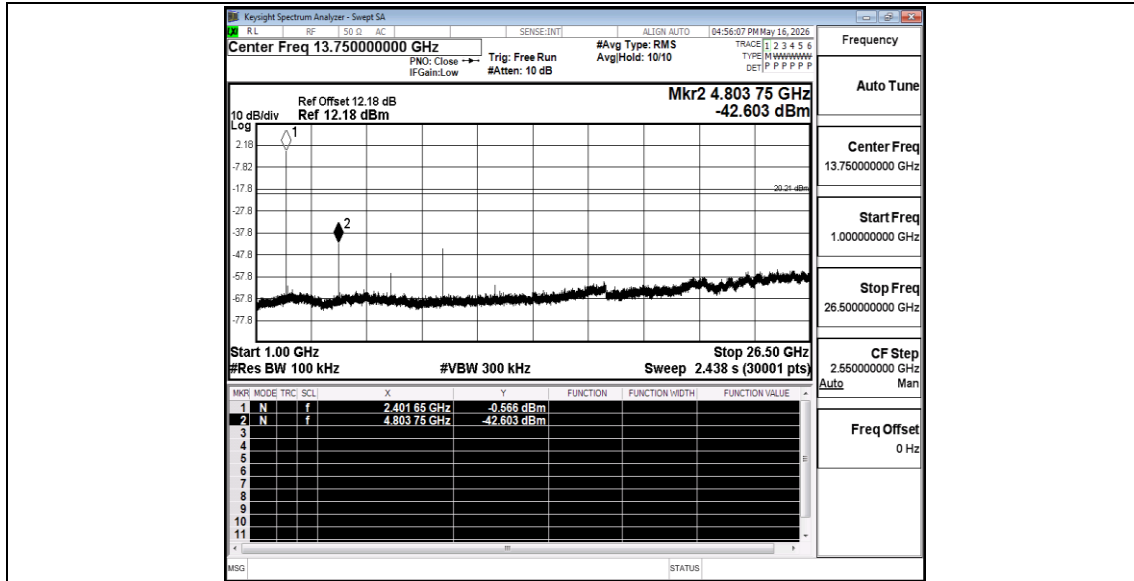
A.7 Conducted Spurious Emission

Test Result

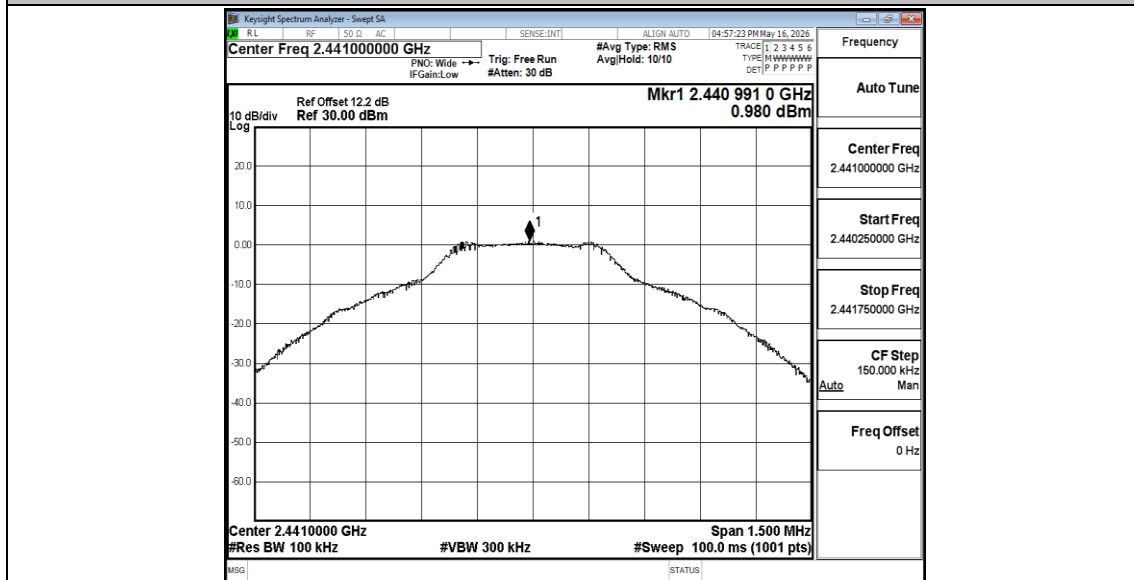
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-61.23	≤-20.21	PASS
			1000~26500	-0.21	-42.6	≤-20.21	PASS
		2441	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-58.36	≤-19.02	PASS
			1000~26500	0.98	-41.73	≤-19.02	PASS
		2480	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-60.72	≤-18.04	PASS
			1000~26500	1.96	-40.56	≤-18.04	PASS
2DH5	Ant1	2402	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-61.64	≤-20.24	PASS
			1000~26500	-0.24	-45.44	≤-20.24	PASS
		2441	Reference	1.09	1.09	---	PASS
			30~1000	1.09	-59.32	≤-18.91	PASS
			1000~26500	1.09	-46.57	≤-18.91	PASS
		2480	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-60.24	≤-17.95	PASS
			1000~26500	2.05	-45.8	≤-17.95	PASS
3DH5	Ant1	2402	Reference	-0.16	-0.16	---	PASS
			30~1000	-0.16	-65.03	≤-20.16	PASS
			1000~26500	-0.16	-44.52	≤-20.16	PASS
		2441	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-60.22	≤-18.92	PASS
			1000~26500	1.08	-40.31	≤-18.92	PASS
		2480	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-60.59	≤-17.99	PASS
			1000~26500	2.01	-38.79	≤-17.99	PASS

Test Graphs





DH5_Ant1_2441_0-Reference



DH5_Ant1_2441_30~1000

