

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: OWS Headphones

Test Model: OH-742

Environmental Conditions

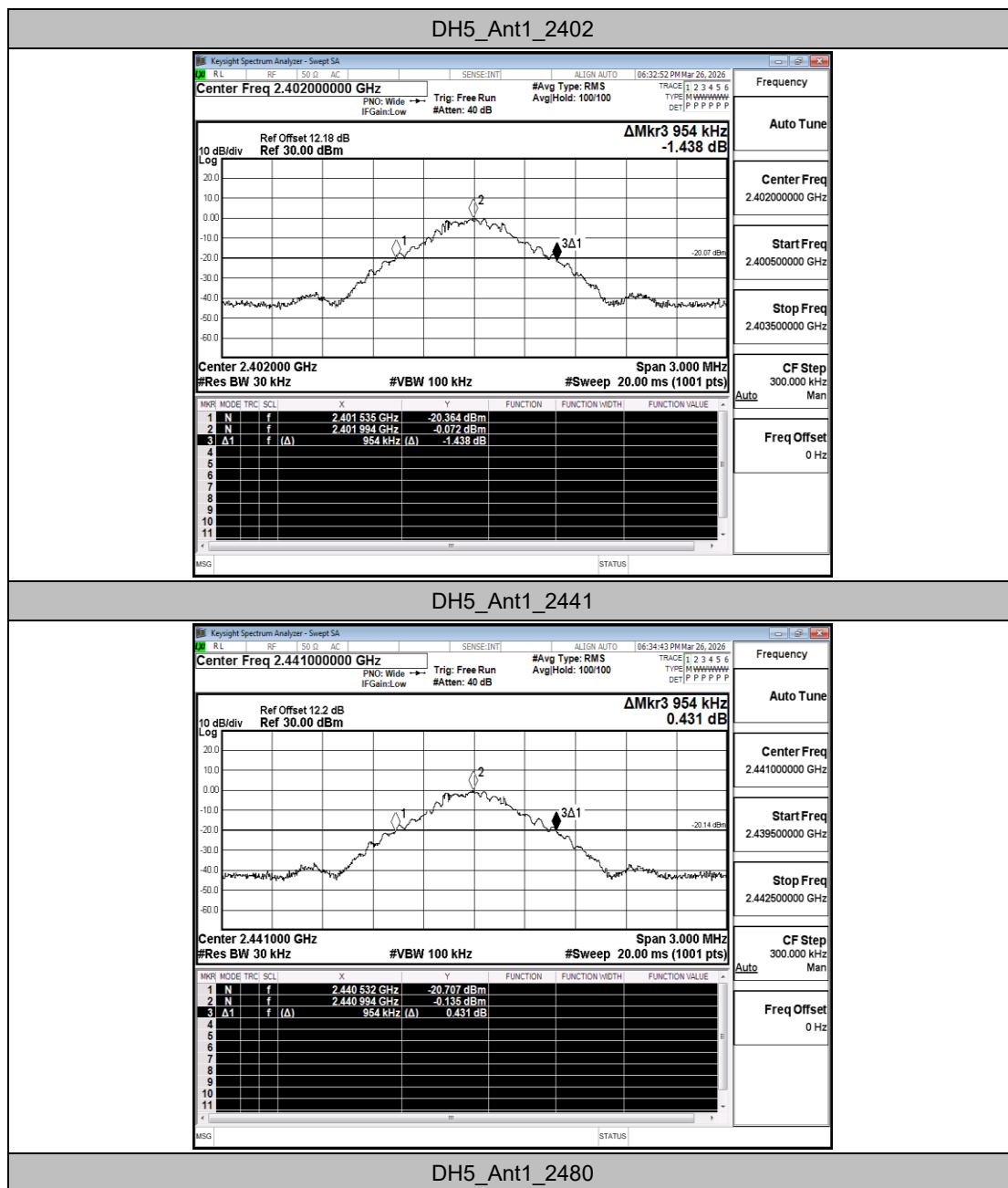
Temperature:	24.2°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

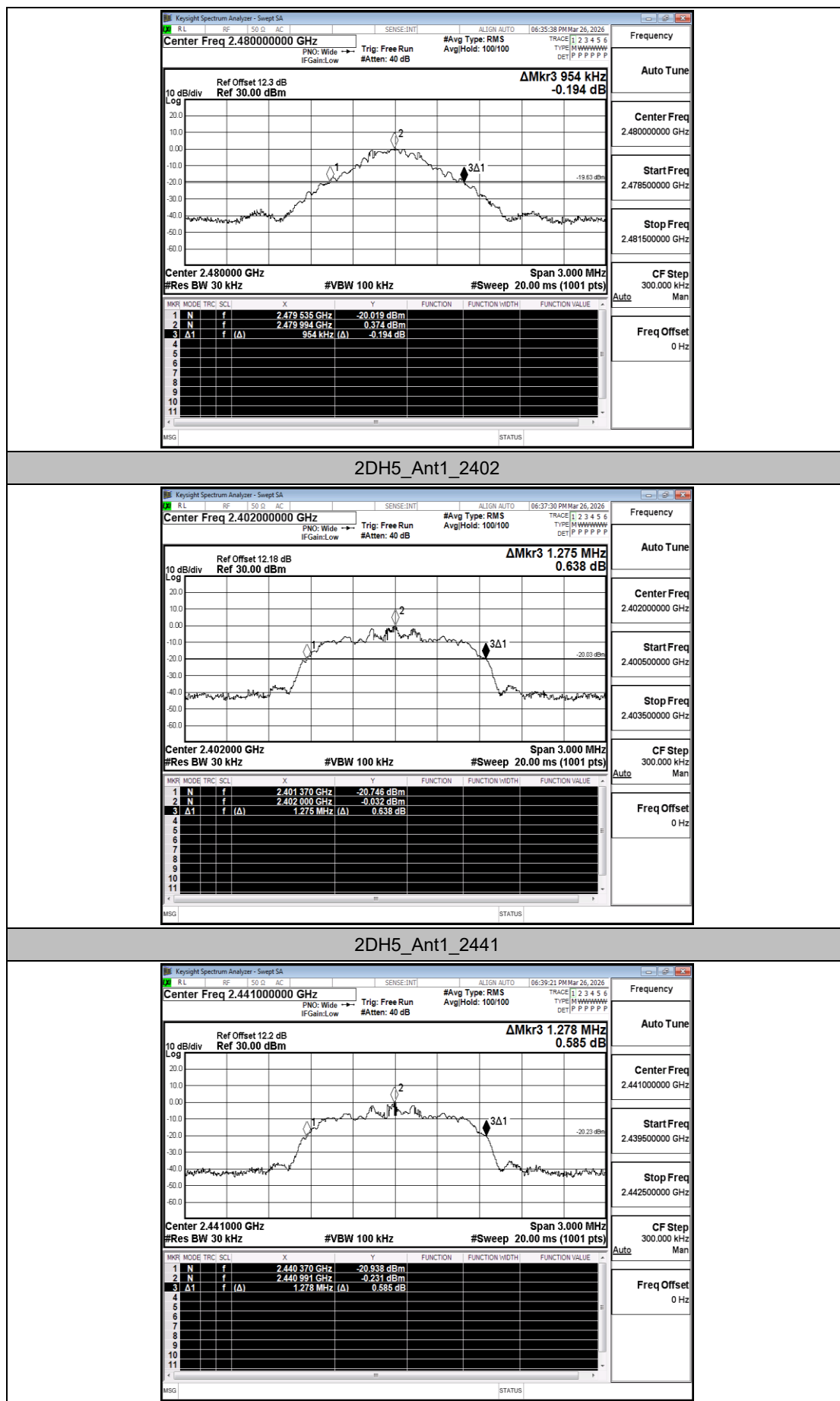
A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.535	2402.489	---	---
		2441	0.954	2440.532	2441.486	---	---
		2480	0.954	2479.535	2480.489	---	---
2DH5	Ant1	2402	1.275	2401.370	2402.645	---	---
		2441	1.278	2440.370	2441.648	---	---
		2480	1.278	2479.370	2480.648	---	---
3DH5	Ant1	2402	1.275	2401.358	2402.633	---	---
		2441	1.278	2440.361	2441.639	---	---
		2480	1.281	2479.355	2480.636	---	---

Test Graphs



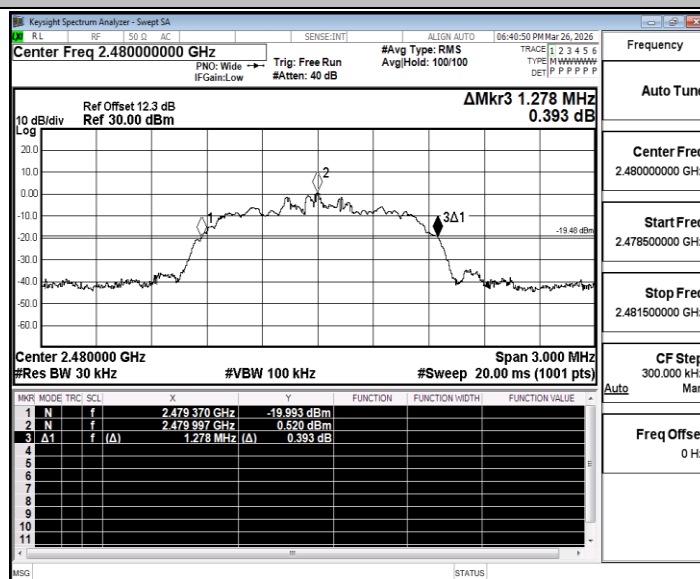


Guangzhou LCS Compliance Testing Laboratory Ltd.

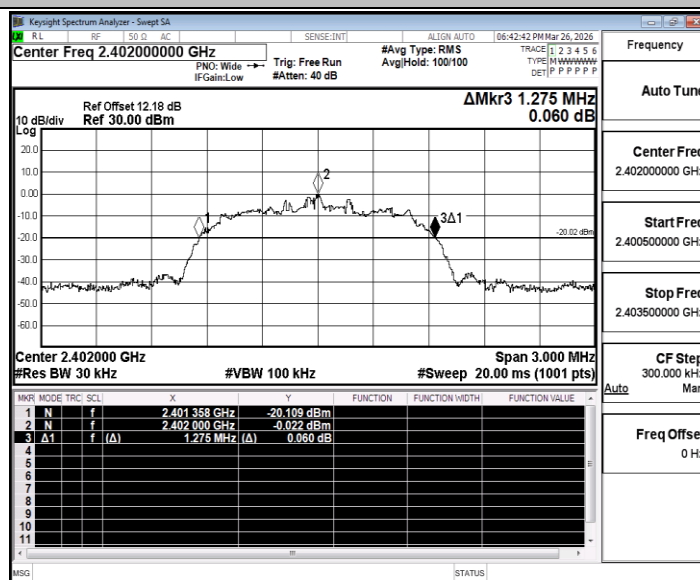
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

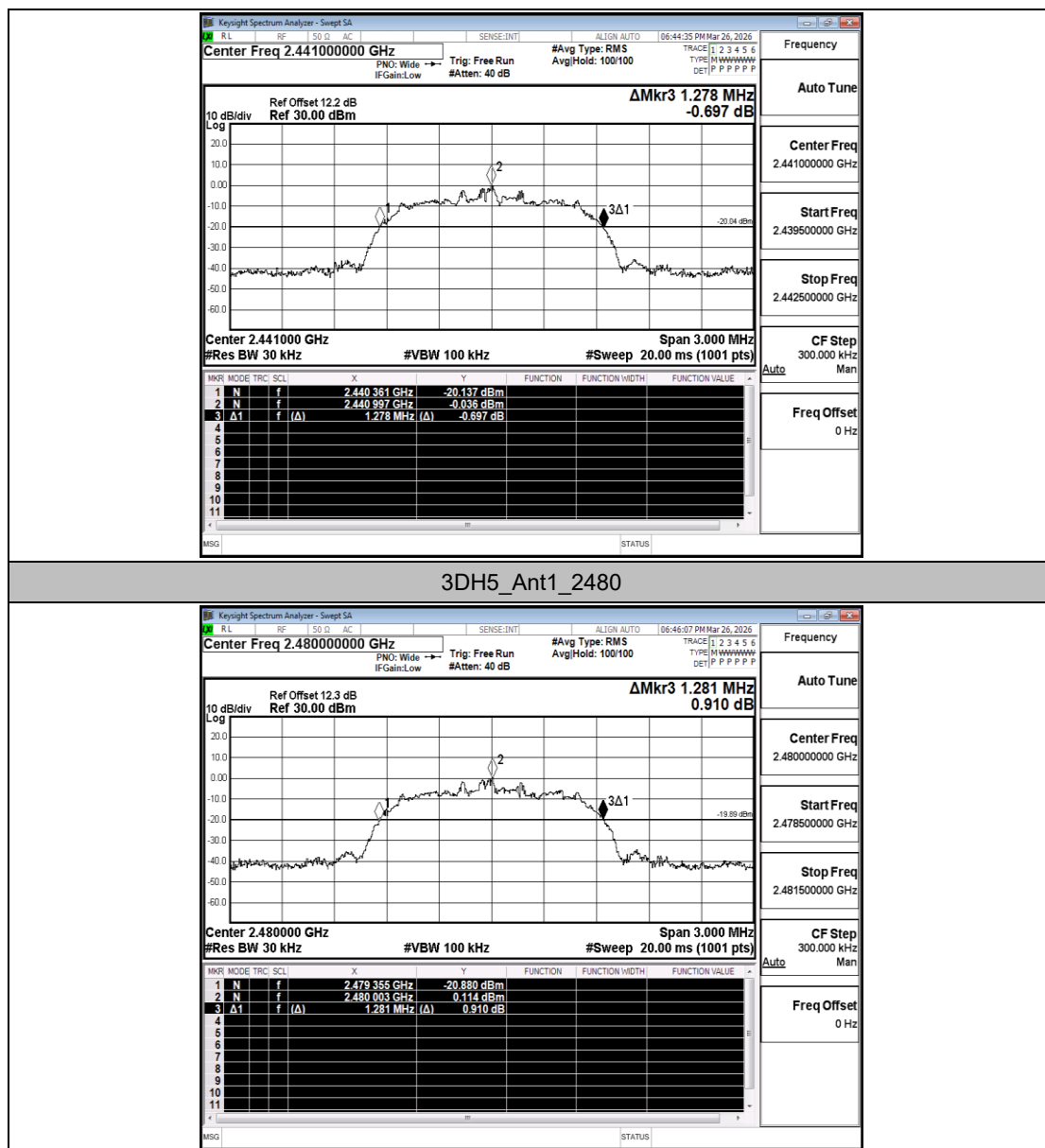
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

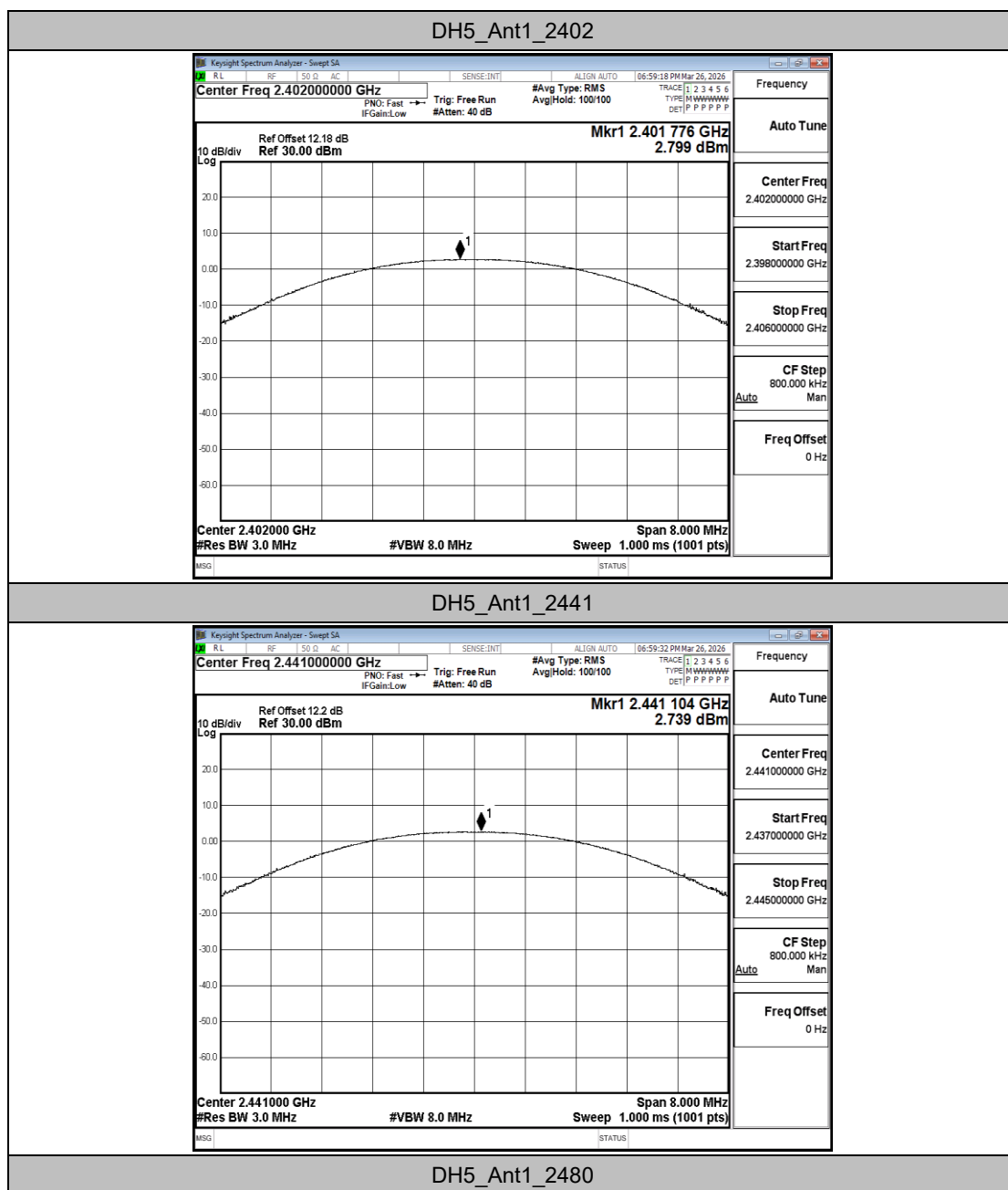


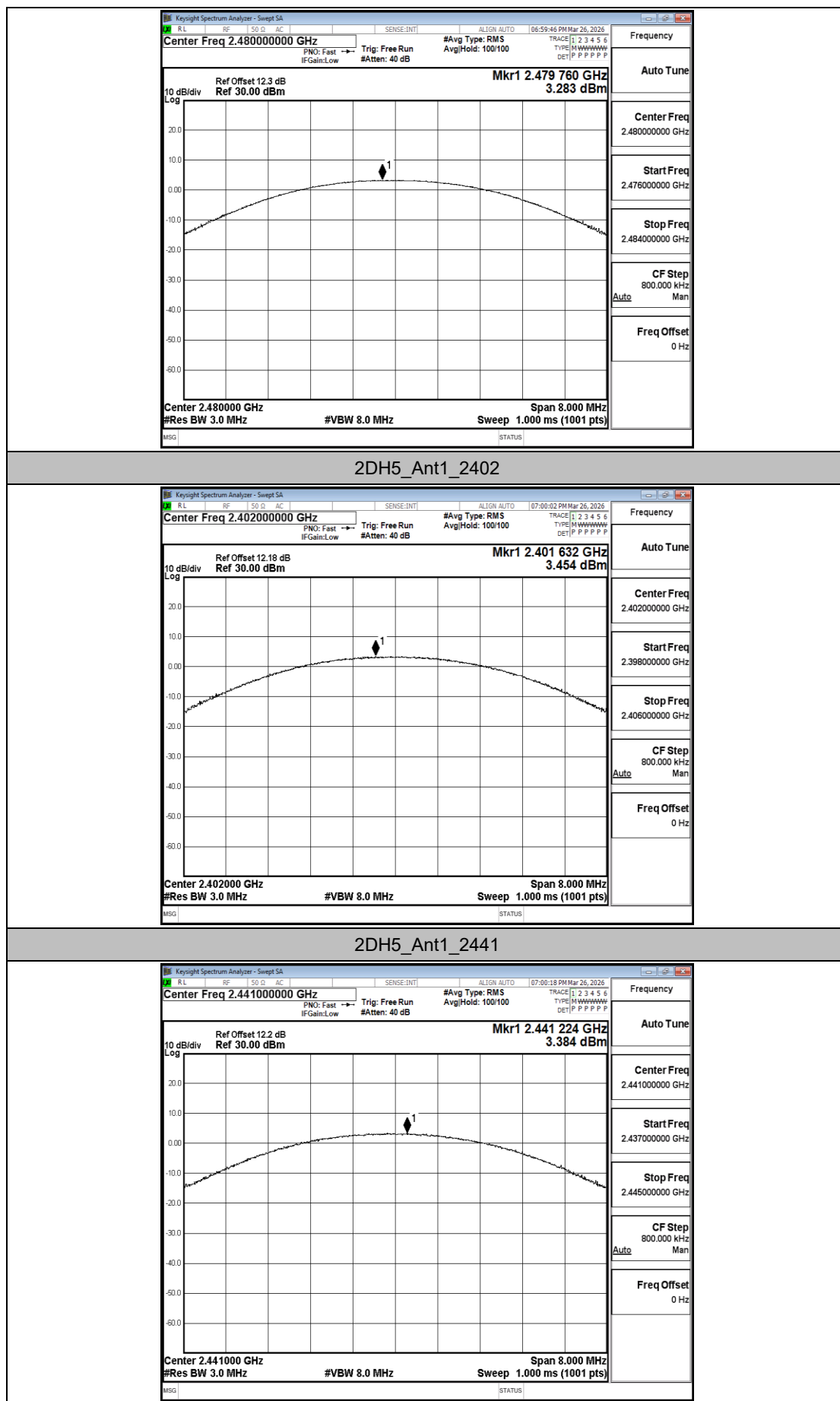
A.2 Maximum Peak conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.80	≤30	PASS
		2441	2.74	≤30	PASS
		2480	3.28	≤30	PASS
2DH5	Ant1	2402	3.45	≤30	PASS
		2441	3.38	≤30	PASS
		2480	3.93	≤30	PASS
3DH5	Ant1	2402	4.02	≤30	PASS
		2441	3.86	≤30	PASS
		2480	4.65	≤30	PASS

Test Graphs

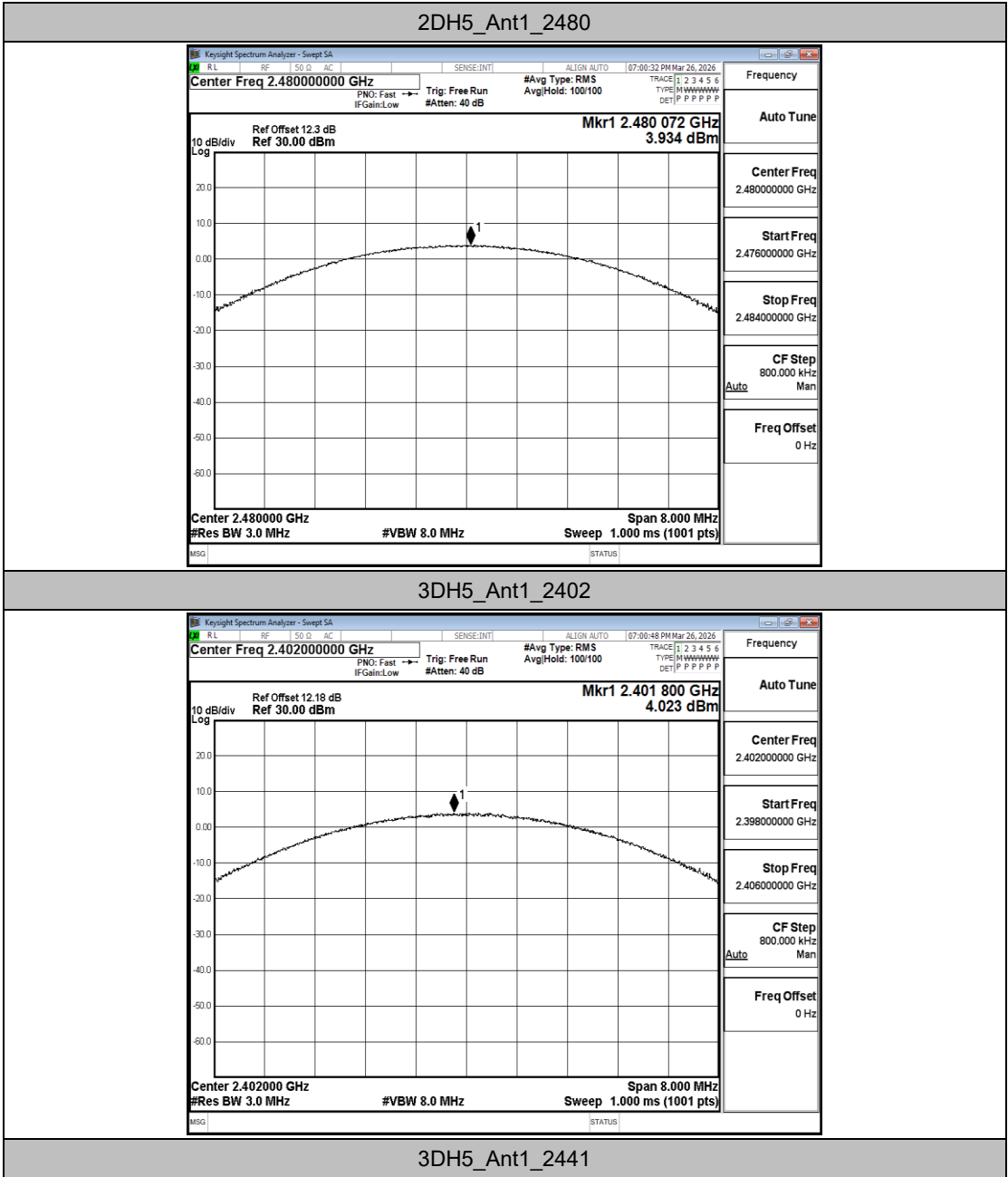


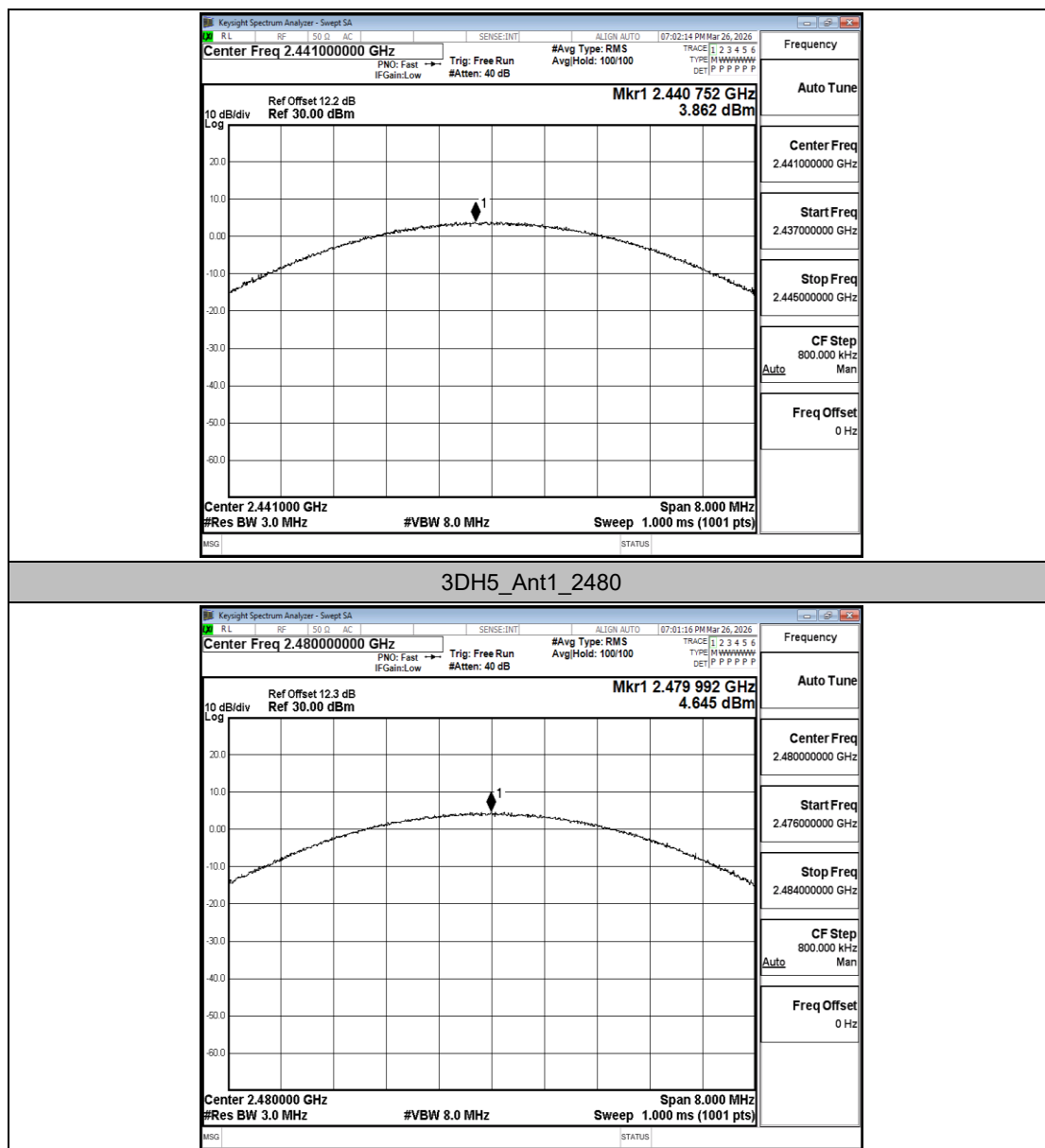


Guangzhou LCS Compliance Testing Laboratory Ltd.

Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



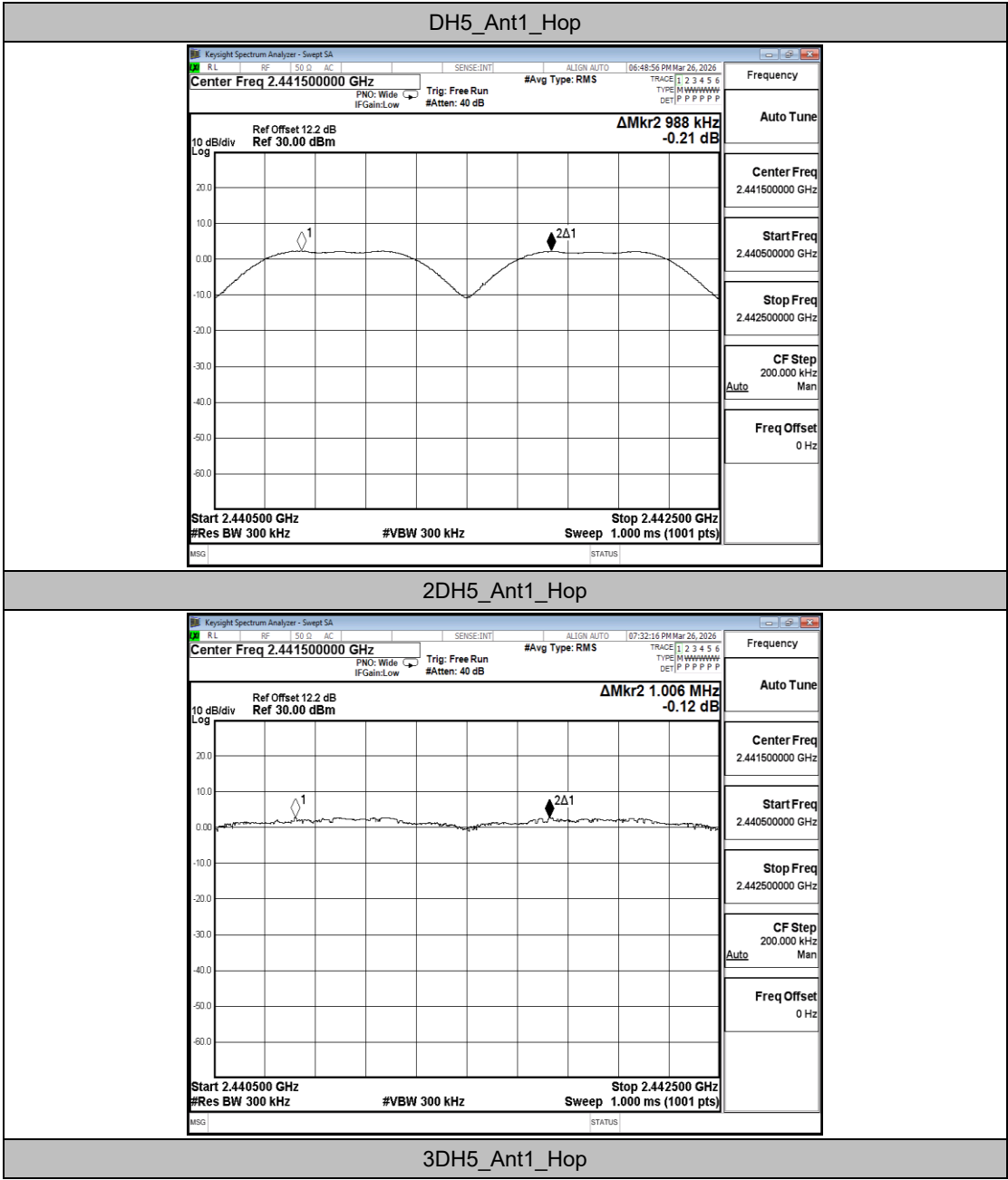


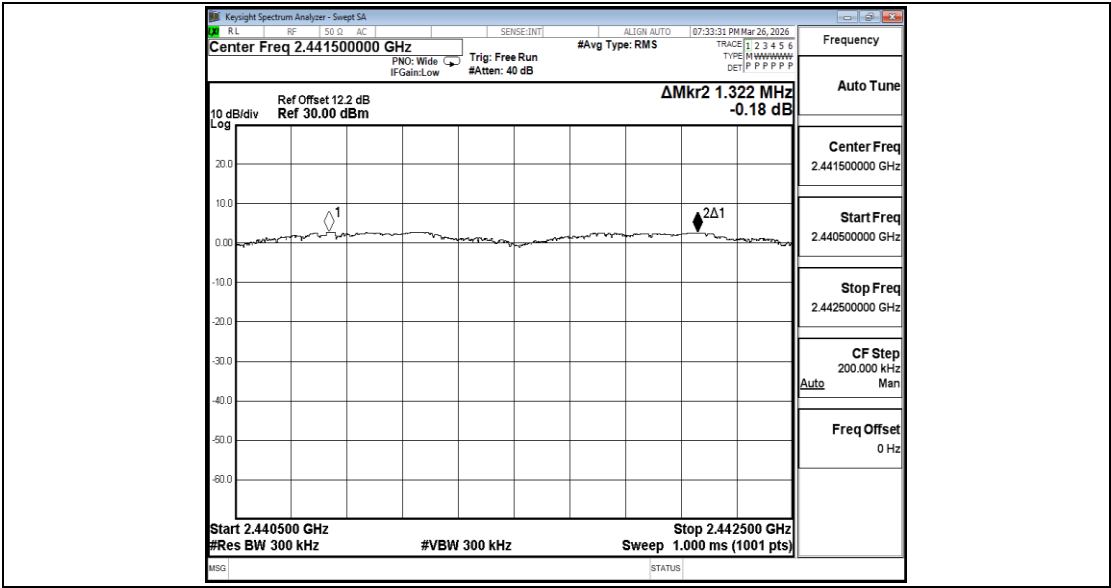
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥ 0.954	PASS
2DH5	Ant1	Hop	1.006	≥ 0.852	PASS
3DH5	Ant1	Hop	1.322	≥ 1.281	PASS

Test Graphs



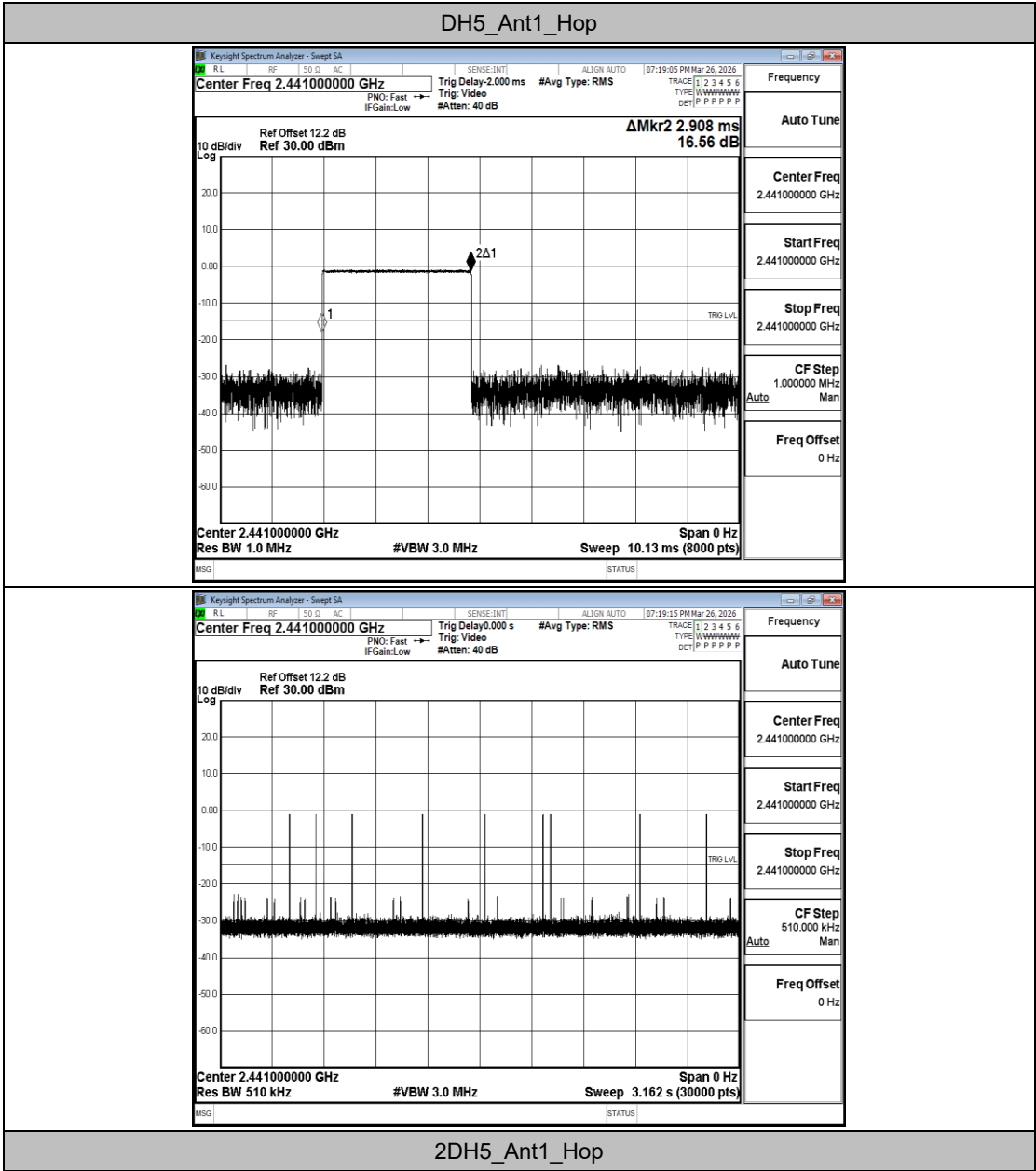


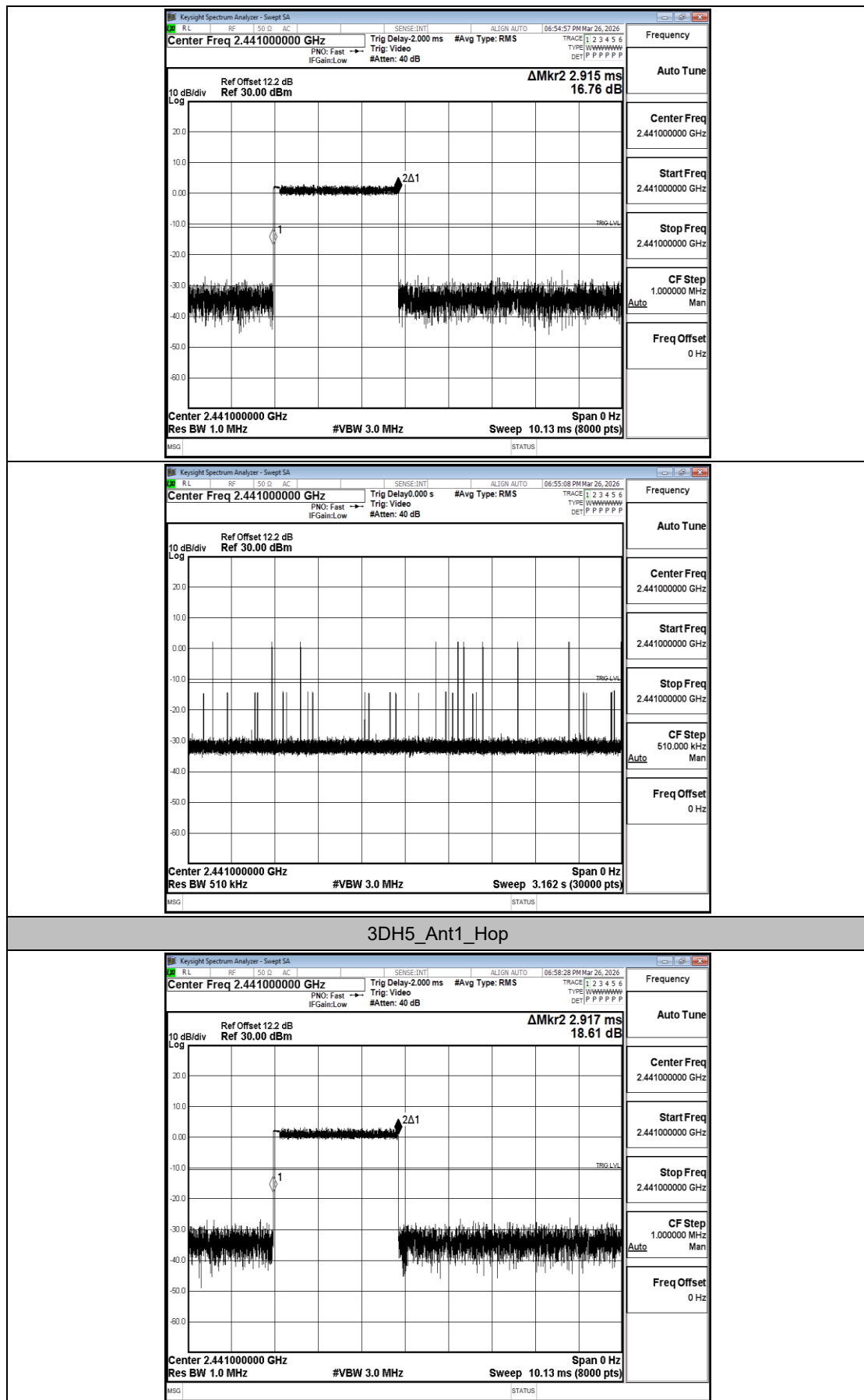
A.4 Time of occupancy

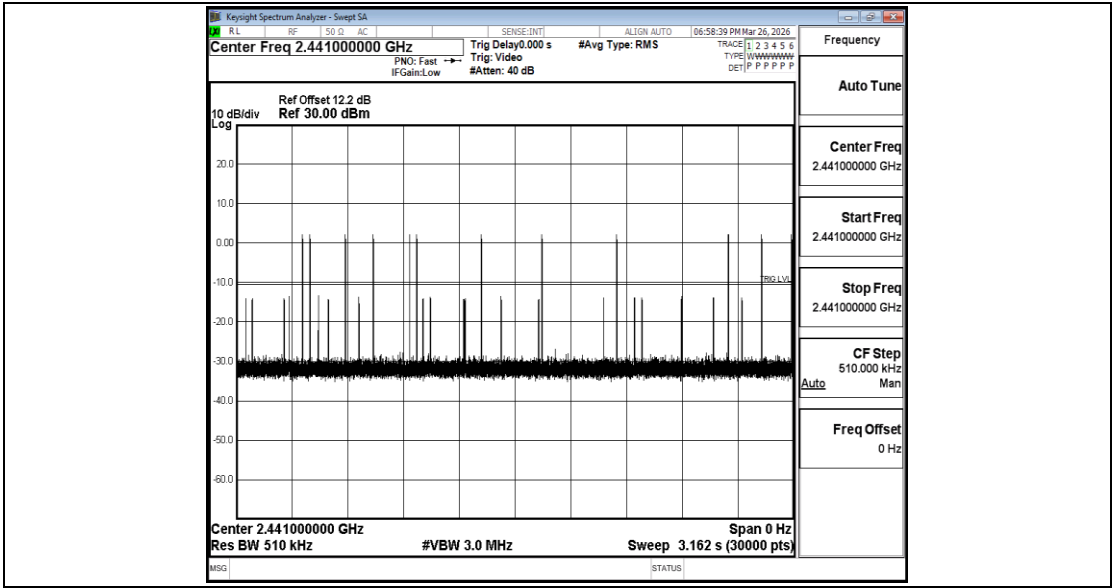
Test Result

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	2.915	120	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.917	130	0.379	≤0.4	PASS

Test Graphs





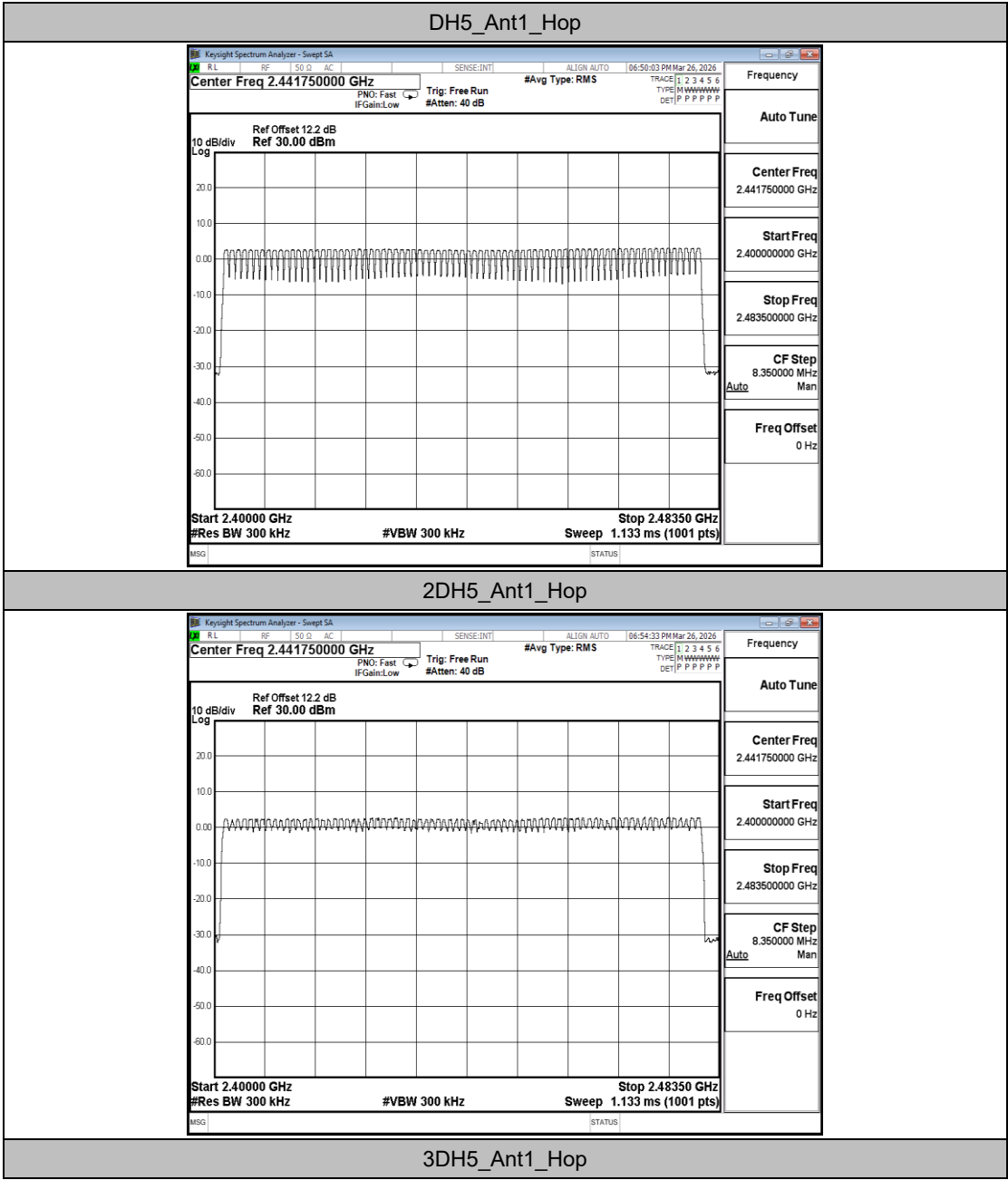


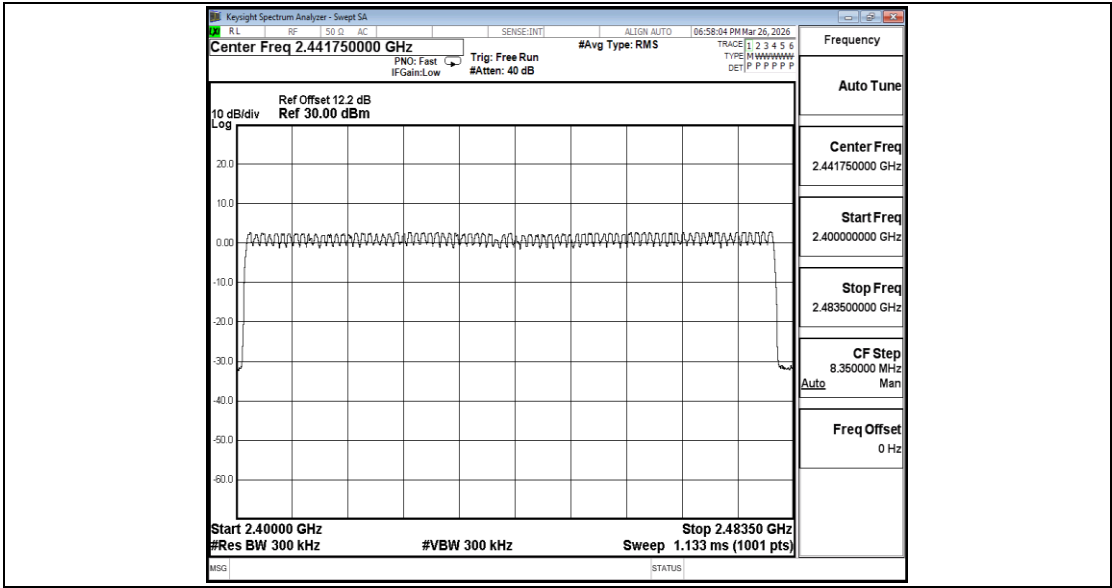
A.5 Number of hopping channels

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



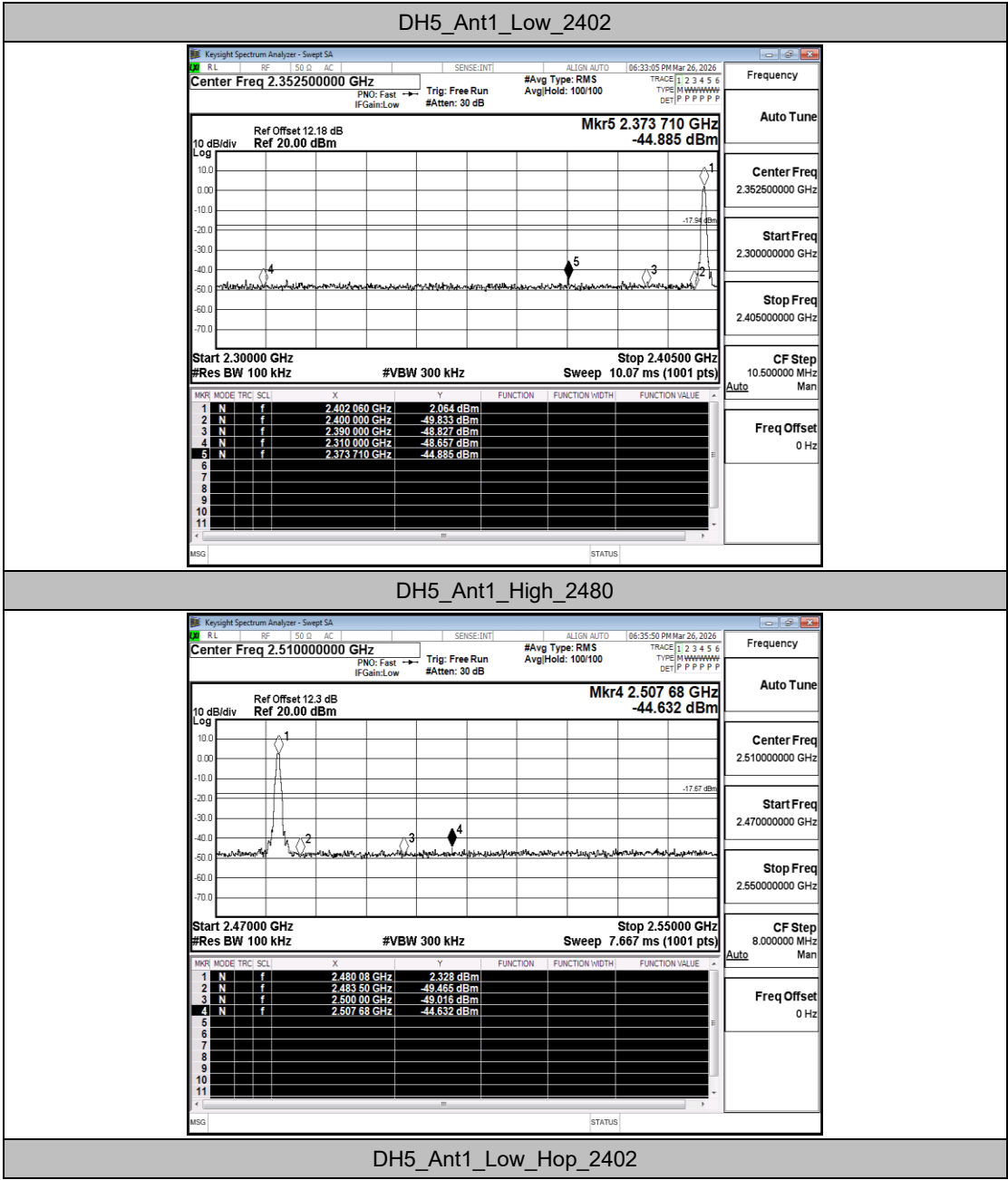


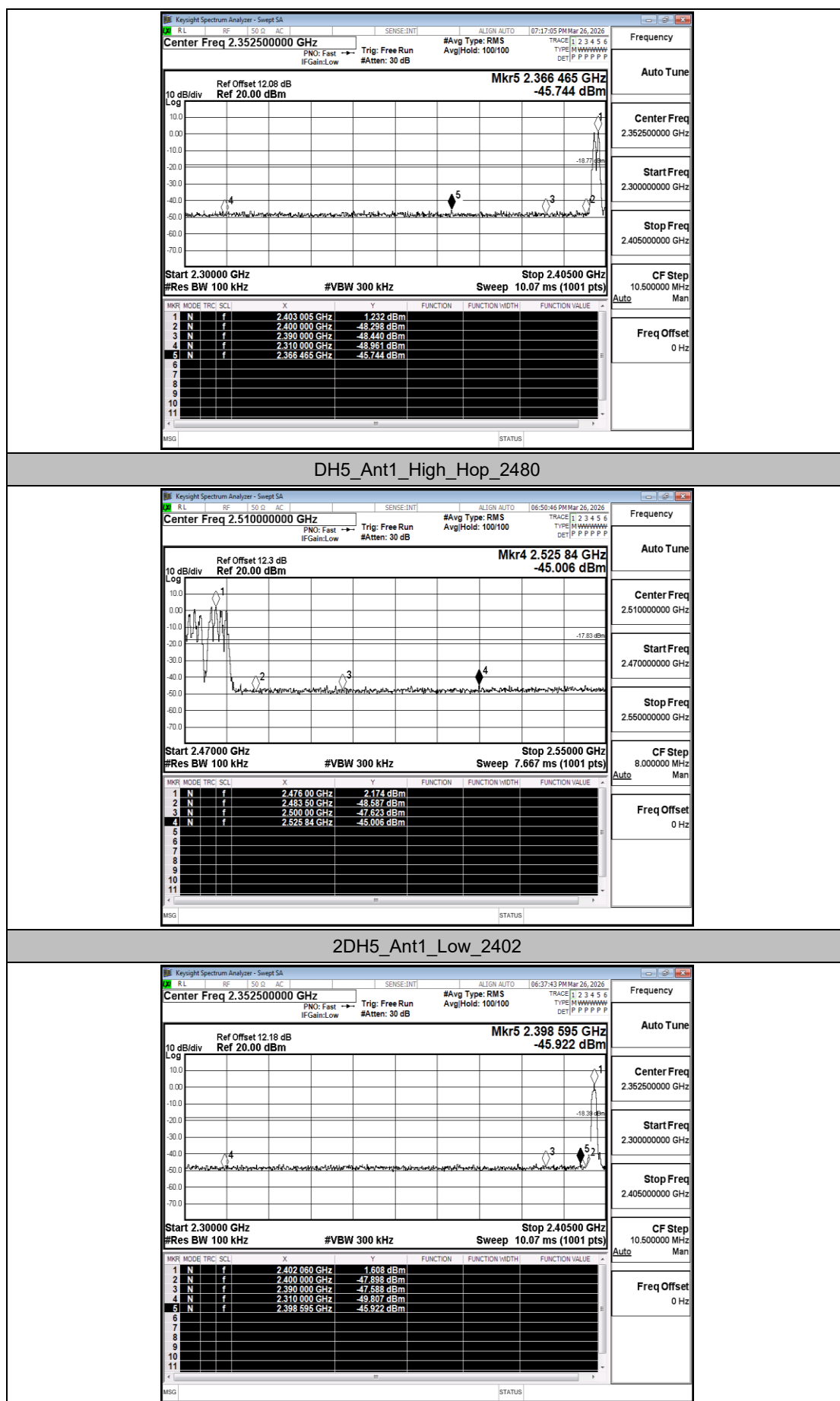
A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.06	-44.89	≤-17.94	PASS
		High	2480	2.33	-44.63	≤-17.67	PASS
		Low	Hop_2402	1.23	-45.74	≤-18.77	PASS
		High	Hop_2480	2.17	-45.01	≤-17.83	PASS
2DH5	Ant1	Low	2402	1.61	-45.92	≤-18.39	PASS
		High	2480	1.21	-44.77	≤-18.79	PASS
		Low	Hop_2402	1.08	-45.68	≤-18.92	PASS
		High	Hop_2480	2.44	-43.65	≤-17.56	PASS
3DH5	Ant1	Low	2402	-0.10	-46.16	≤-20.1	PASS
		High	2480	1.46	-44.8	≤-18.54	PASS
		Low	Hop_2402	0.04	-45.71	≤-19.97	PASS
		High	Hop_2480	-1.98	-44.89	≤-21.98	PASS

Test Graphs

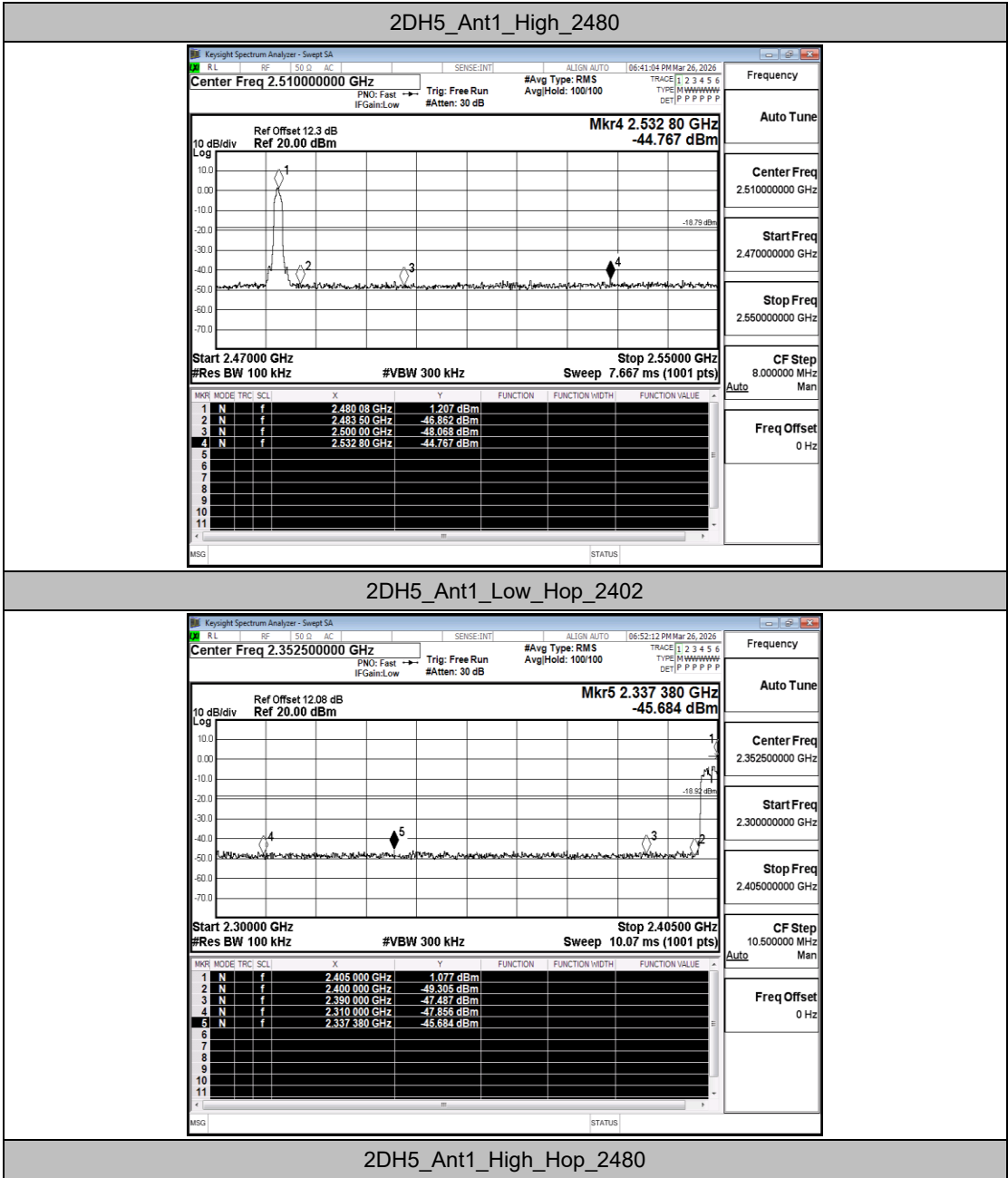


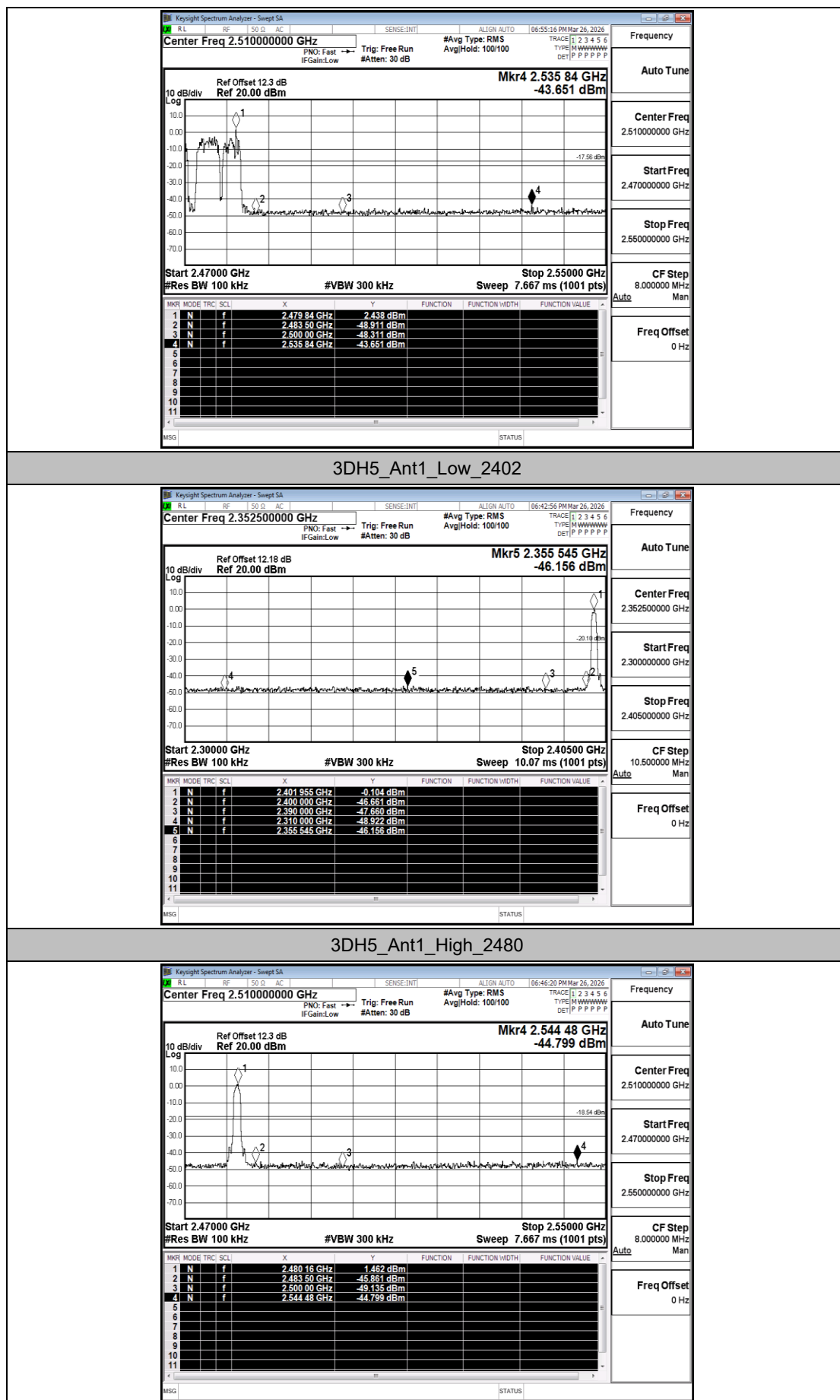


Guangzhou LCS Compliance Testing Laboratory Ltd.

Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

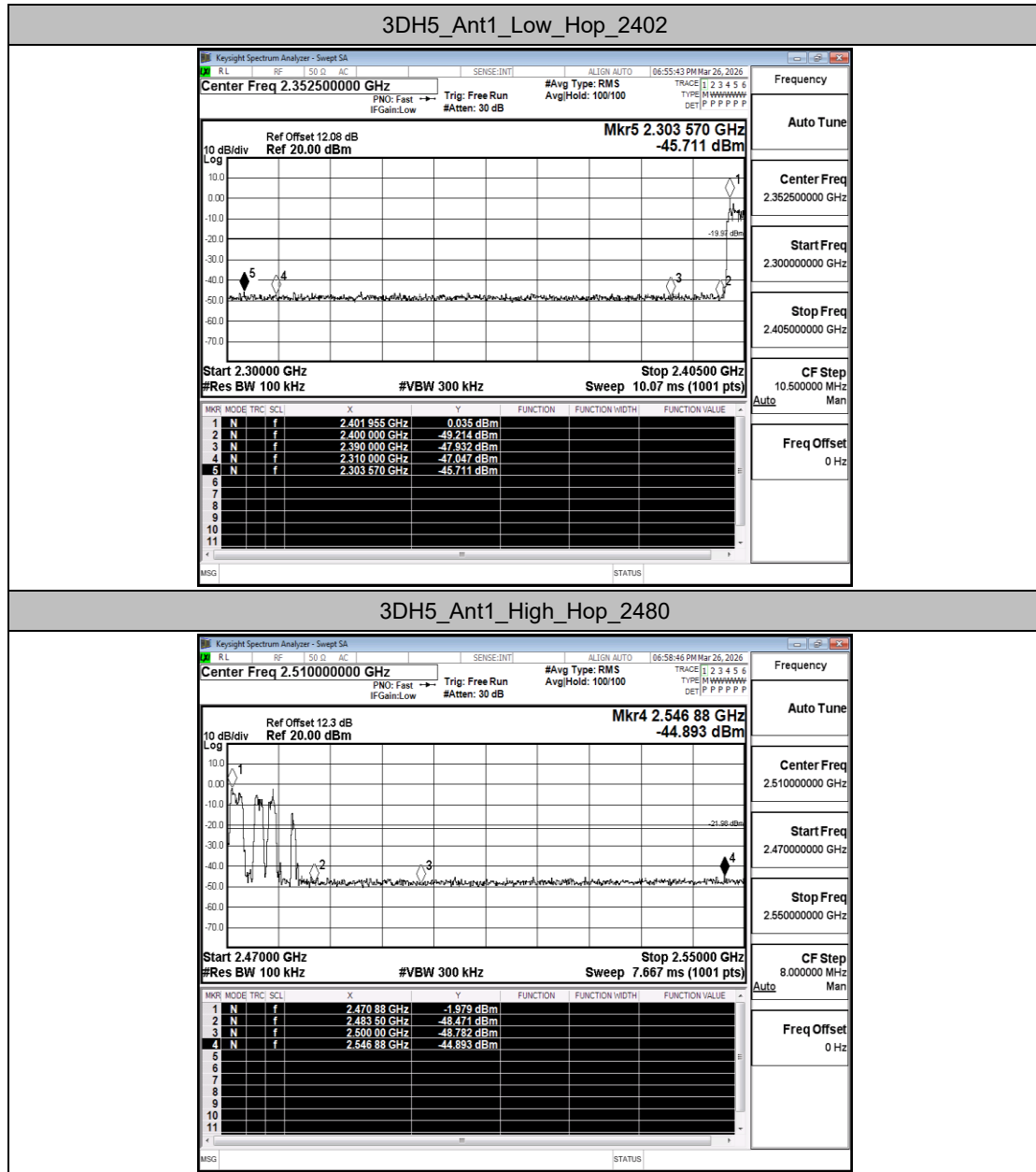




Guangzhou LCS Compliance Testing Laboratory Ltd.

Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com



A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.20	2.20	---	PASS
			30~1000	2.20	-67.34	≤-17.8	PASS
			1000~26500	2.20	-54.99	≤-17.8	PASS
		2441	Reference	2.04	2.04	---	PASS
		2480	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-66.9	≤-17.3	PASS
			1000~26500	2.70	-52.81	≤-17.3	PASS
2DH5	Ant1	2402	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-67.22	≤-17.93	PASS
			1000~26500	2.07	-54.9	≤-17.93	PASS
		2441	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-67.51	≤-18.03	PASS
			1000~26500	1.97	-54.73	≤-18.03	PASS
		2480	Reference	2.55	2.55	---	PASS
			30~1000	2.55	-66.8	≤-17.45	PASS
			1000~26500	2.55	-54.48	≤-17.45	PASS
3DH5	Ant1	2402	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-66.79	≤-17.92	PASS
			1000~26500	2.08	-54.99	≤-17.92	PASS
		2441	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-67.3	≤-18.04	PASS
			1000~26500	1.96	-54.78	≤-18.04	PASS
		2480	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-67.57	≤-17.42	PASS
			1000~26500	2.58	-55.03	≤-17.42	PASS

Test Graphs

