

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart Phone

Test Model: Air 1

Environmental Conditions

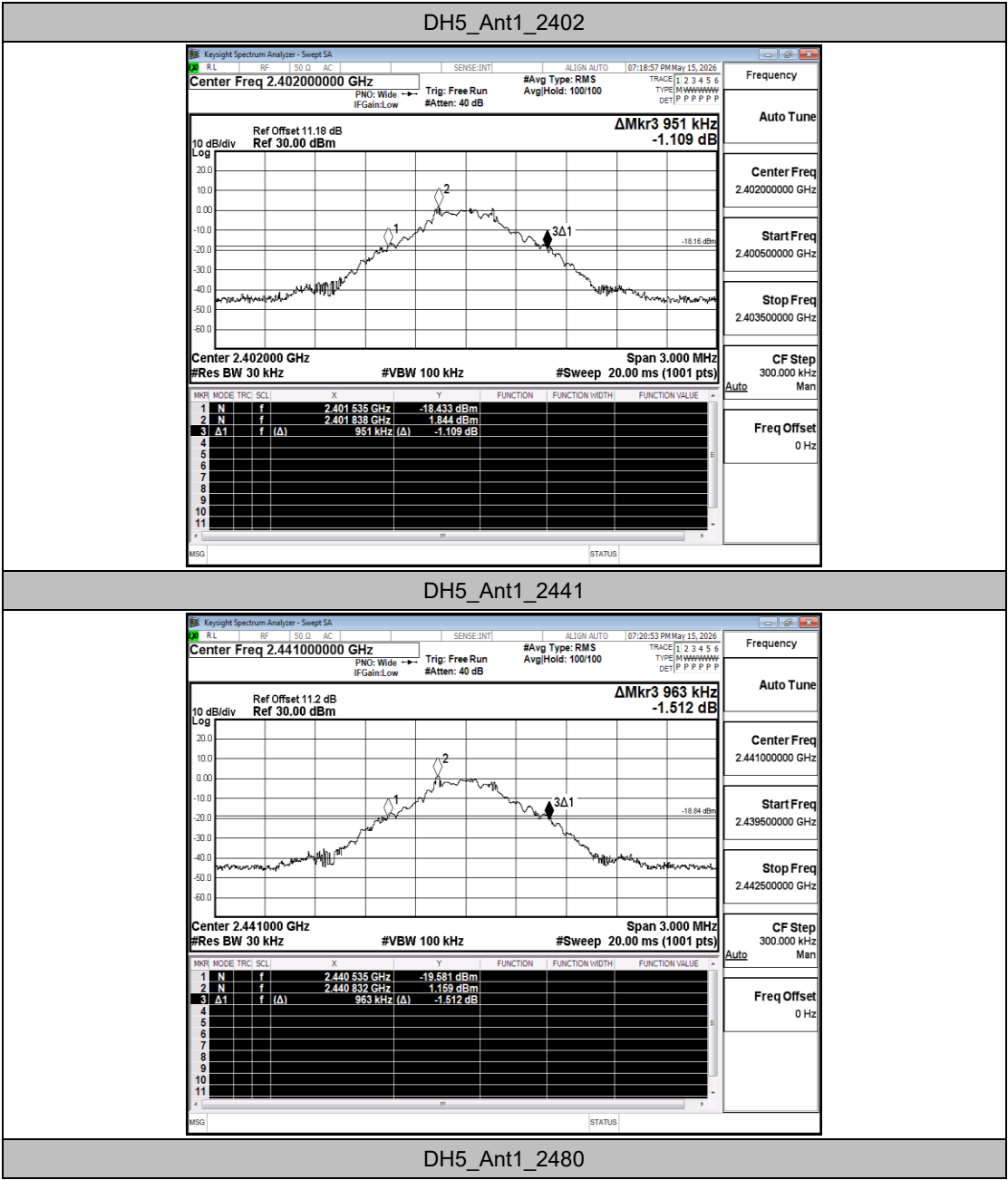
Temperature:	24.6°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

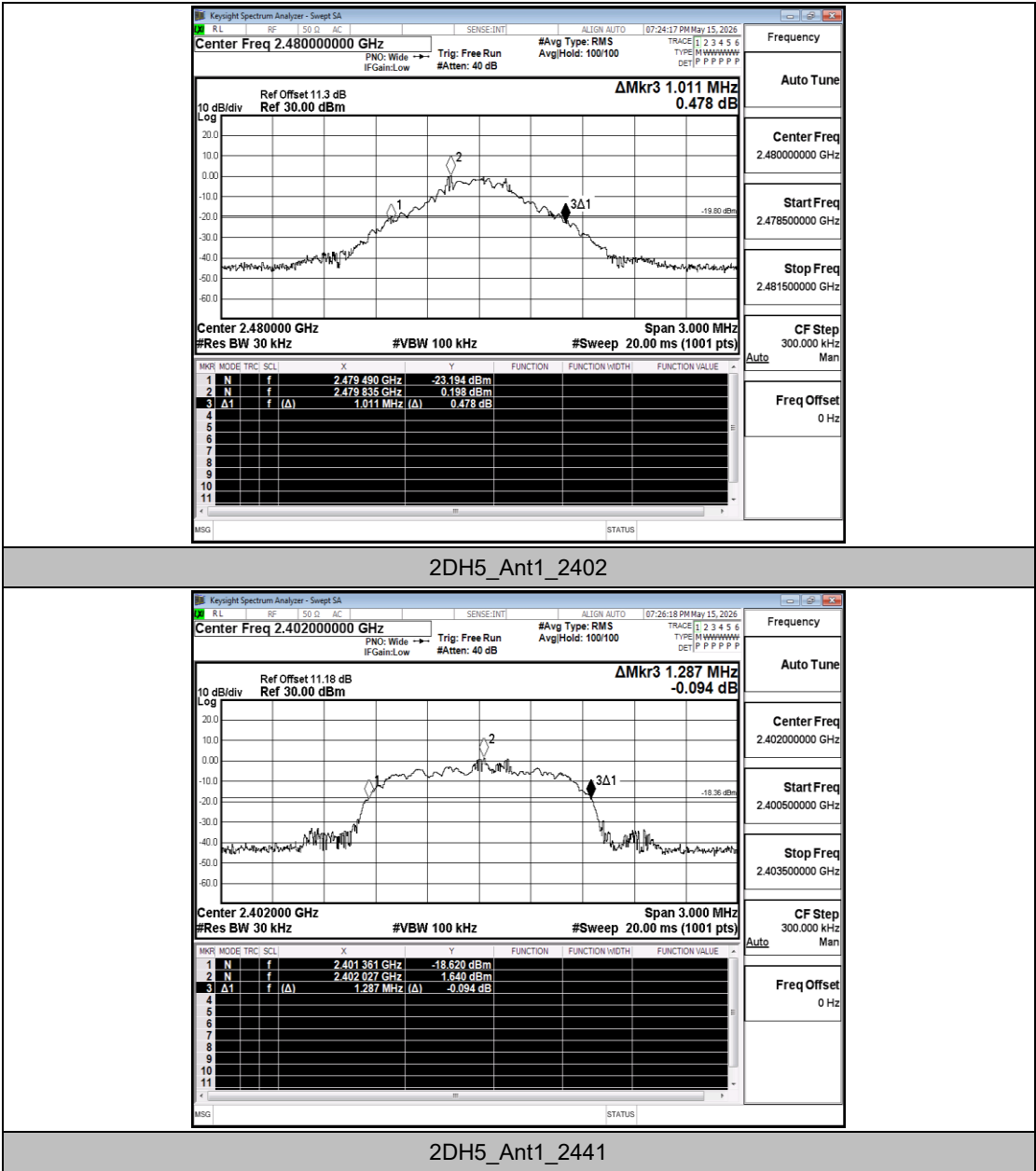
A.1 20dB Emission Bandwidth

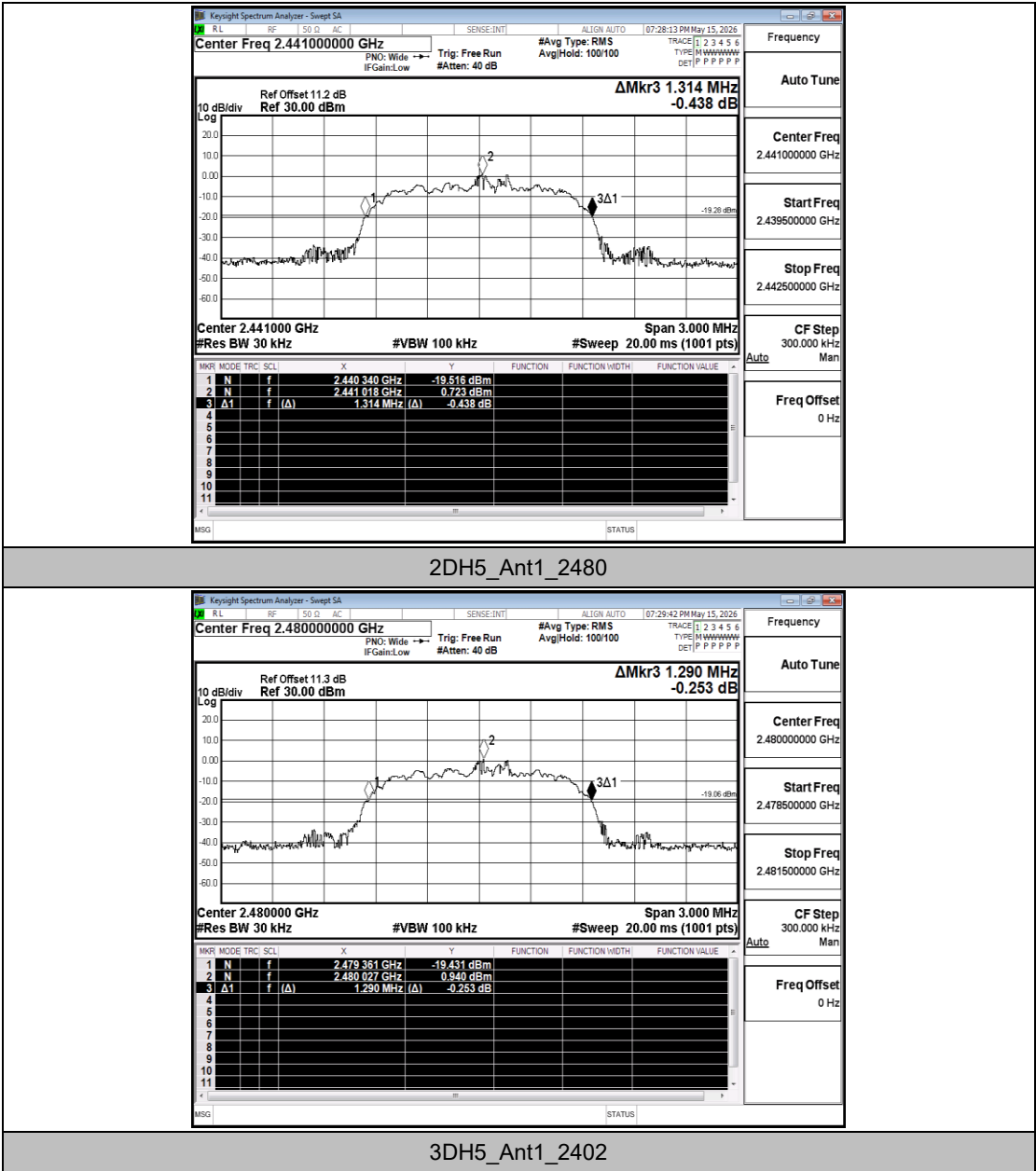
Test Result

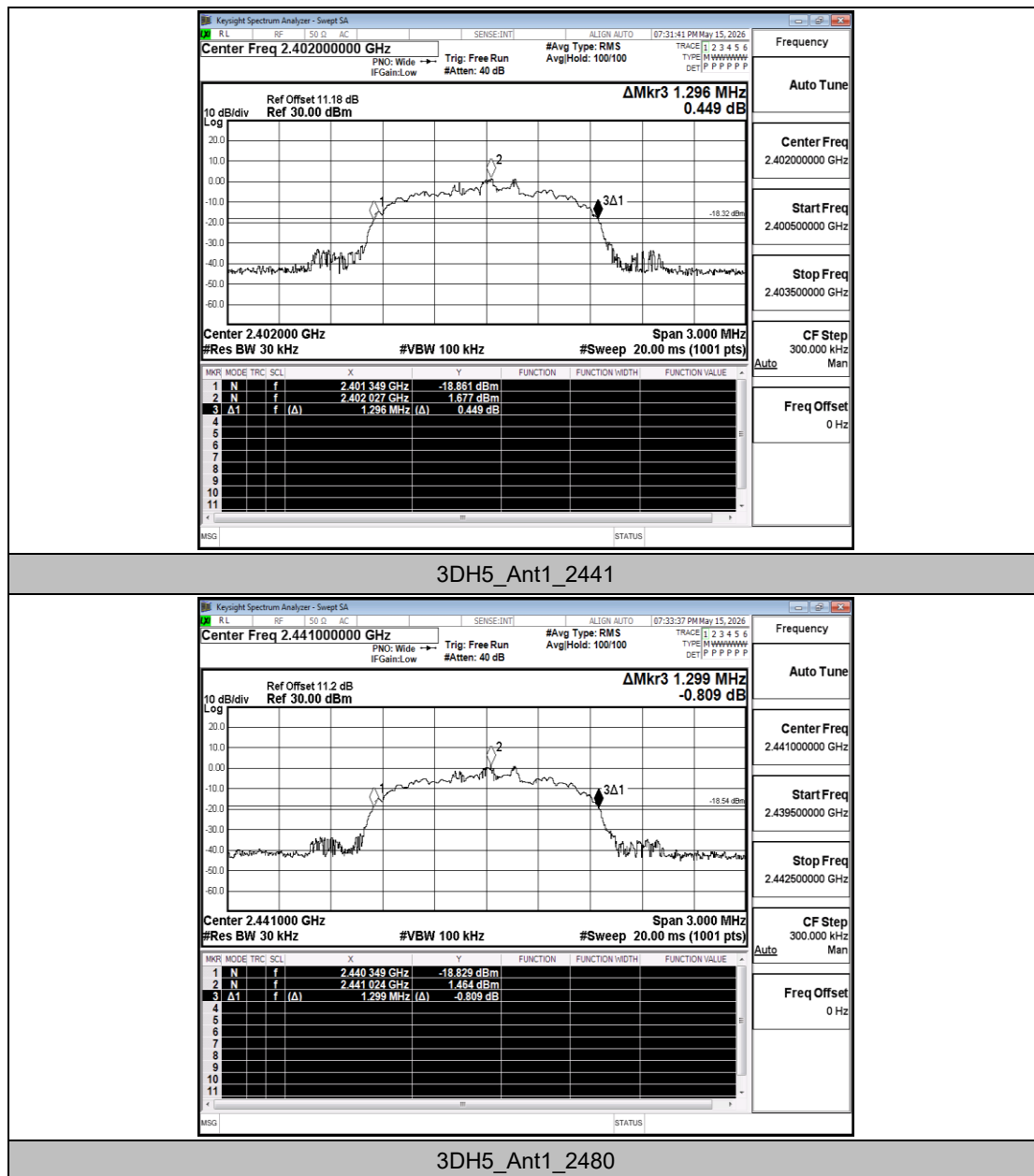
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.951	2401.535	2402.486	---	---
		2441	0.963	2440.535	2441.498	---	---
		2480	1.011	2479.490	2480.501	---	---
2DH5	Ant1	2402	1.287	2401.361	2402.648	---	---
		2441	1.314	2440.340	2441.654	---	---
		2480	1.290	2479.361	2480.651	---	---
3DH5	Ant1	2402	1.296	2401.349	2402.645	---	---
		2441	1.299	2440.349	2441.648	---	---
		2480	1.302	2479.346	2480.648	---	---

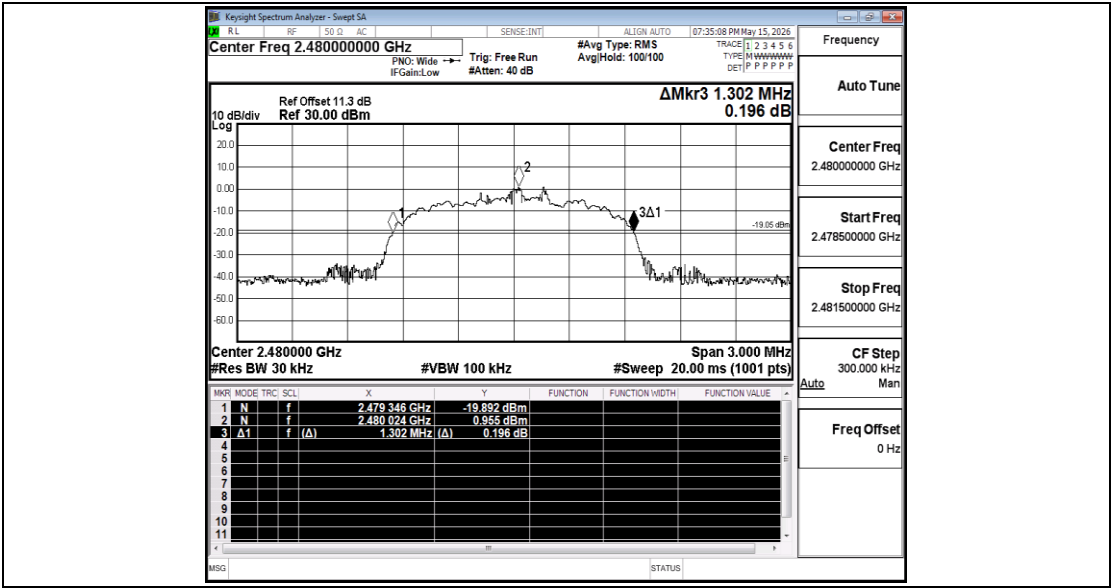
Test Graphs









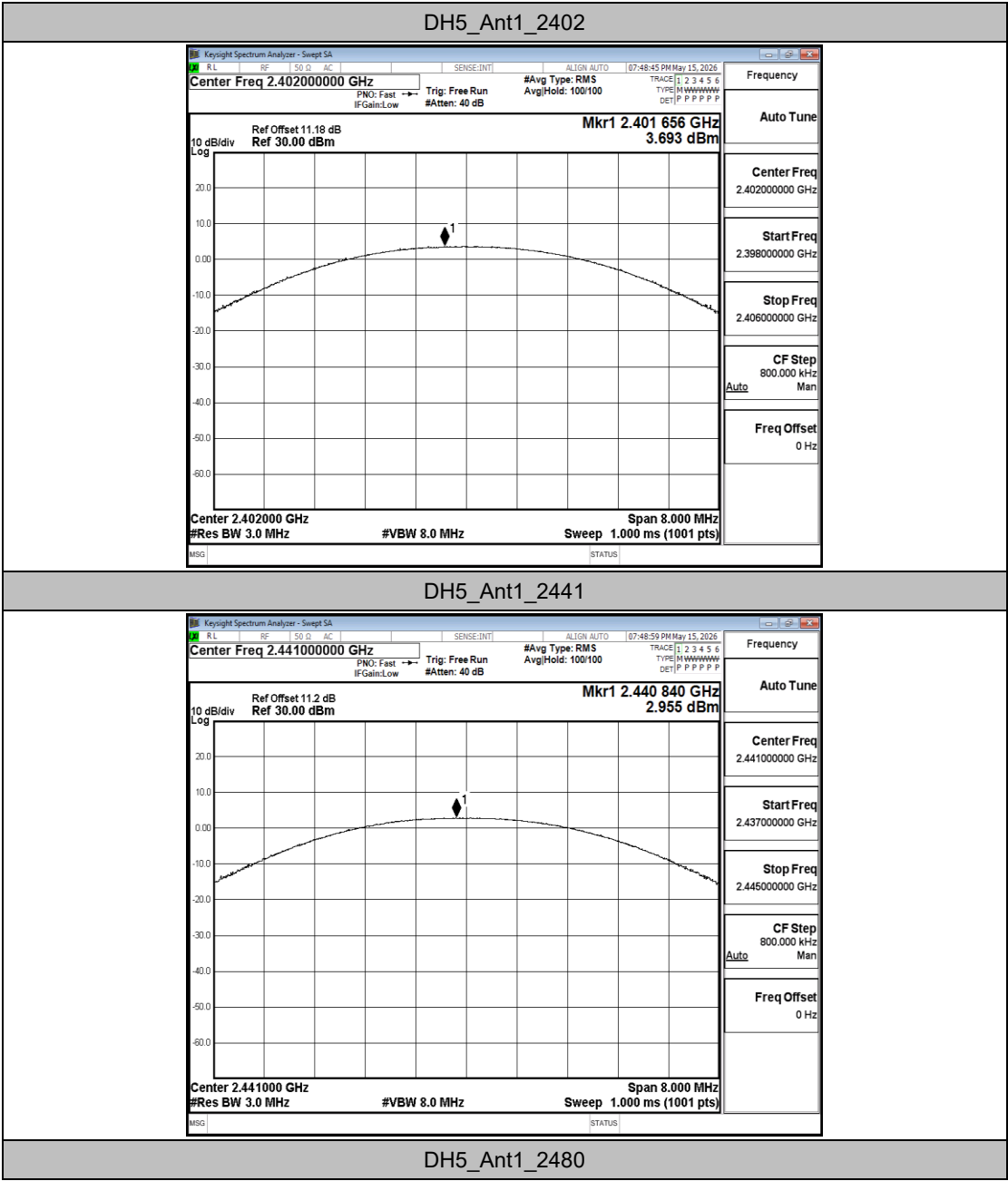


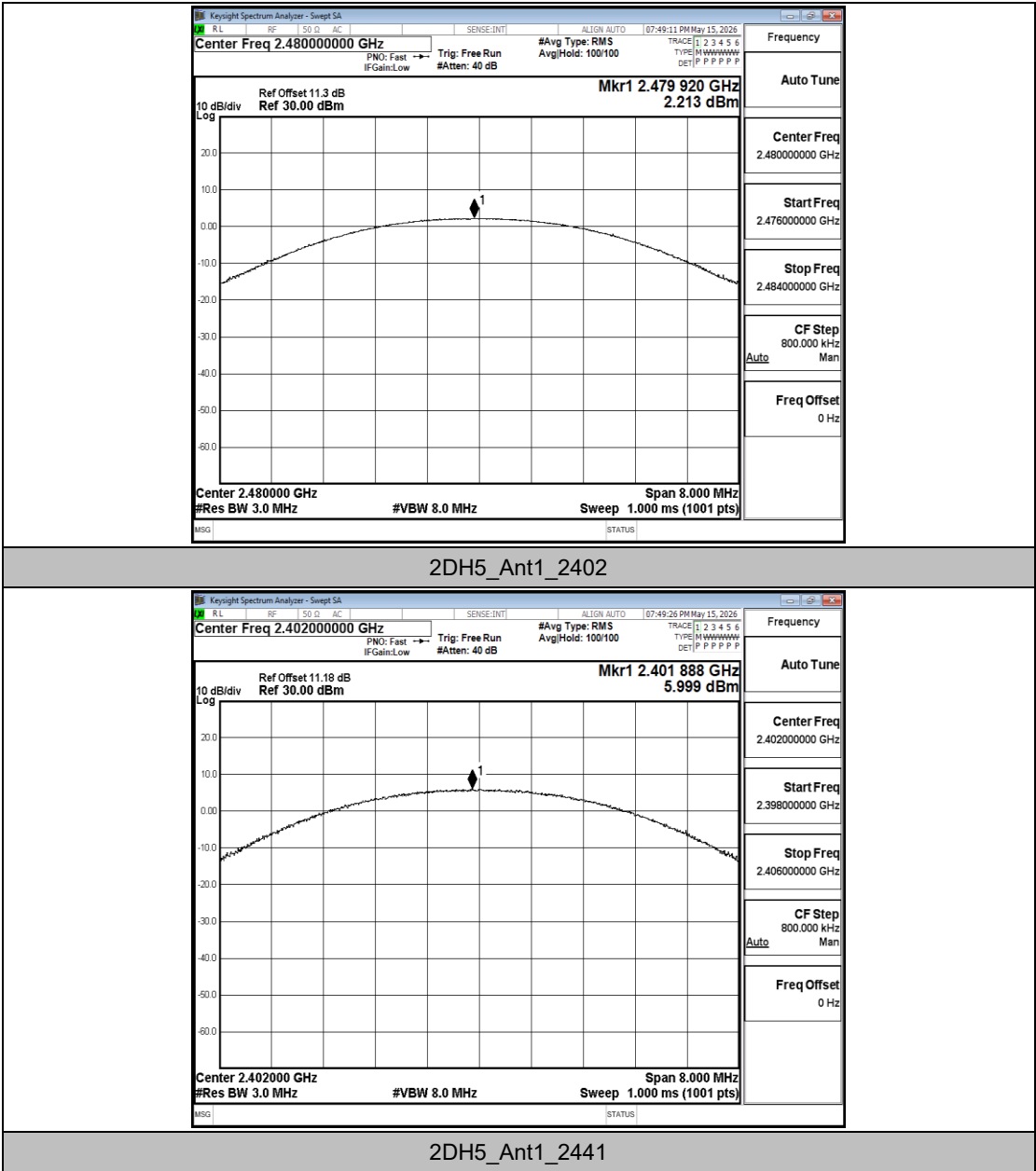
A.2 Maximum Peak conducted output power

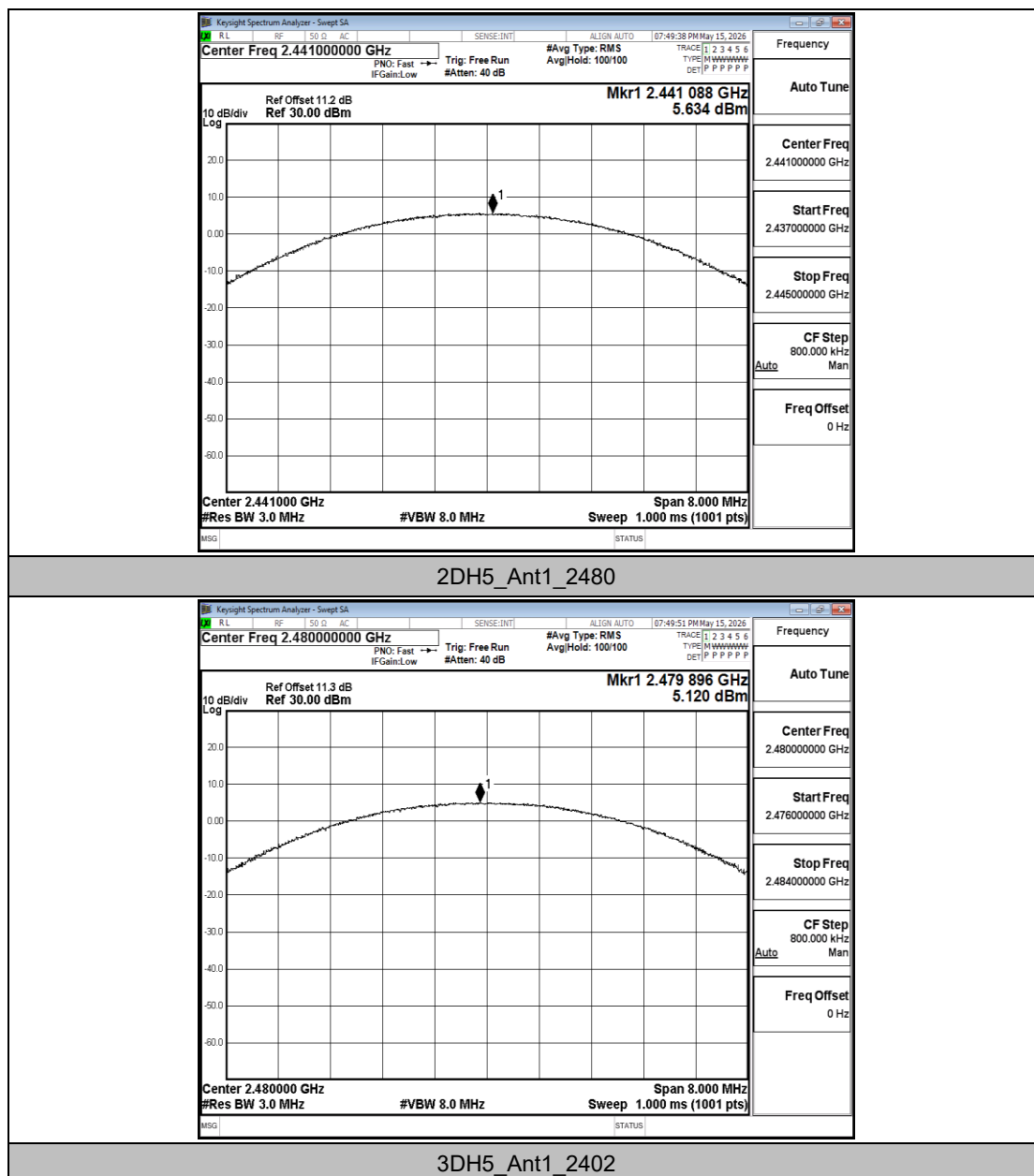
Test Result

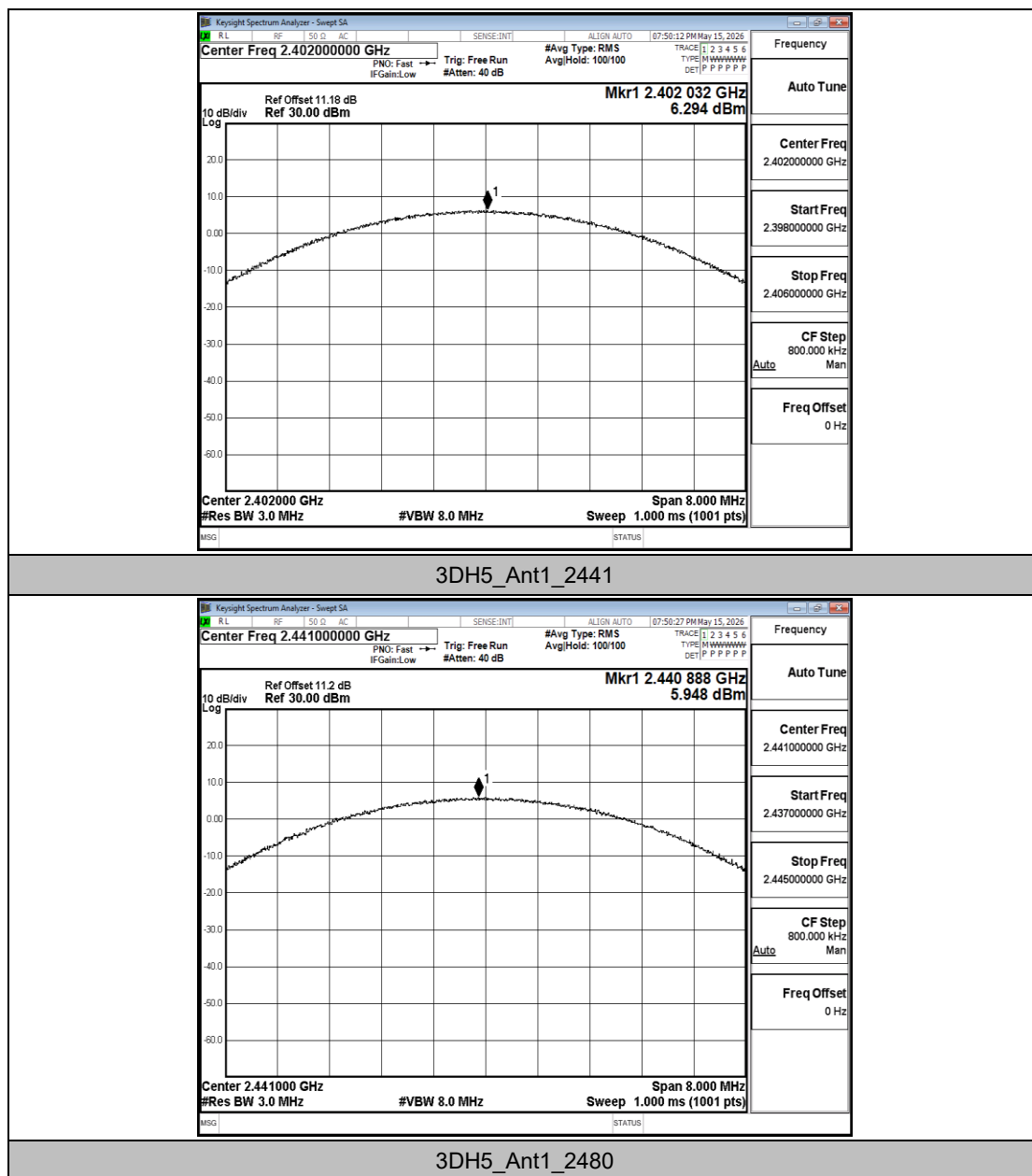
TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.69	≤20.97	PASS
		2441	2.96	≤20.97	PASS
		2480	2.21	≤20.97	PASS
2DH5	Ant1	2402	6.00	≤20.97	PASS
		2441	5.63	≤20.97	PASS
		2480	5.12	≤20.97	PASS
3DH5	Ant1	2402	6.29	≤30	PASS
		2441	5.95	≤30	PASS
		2480	5.49	≤30	PASS

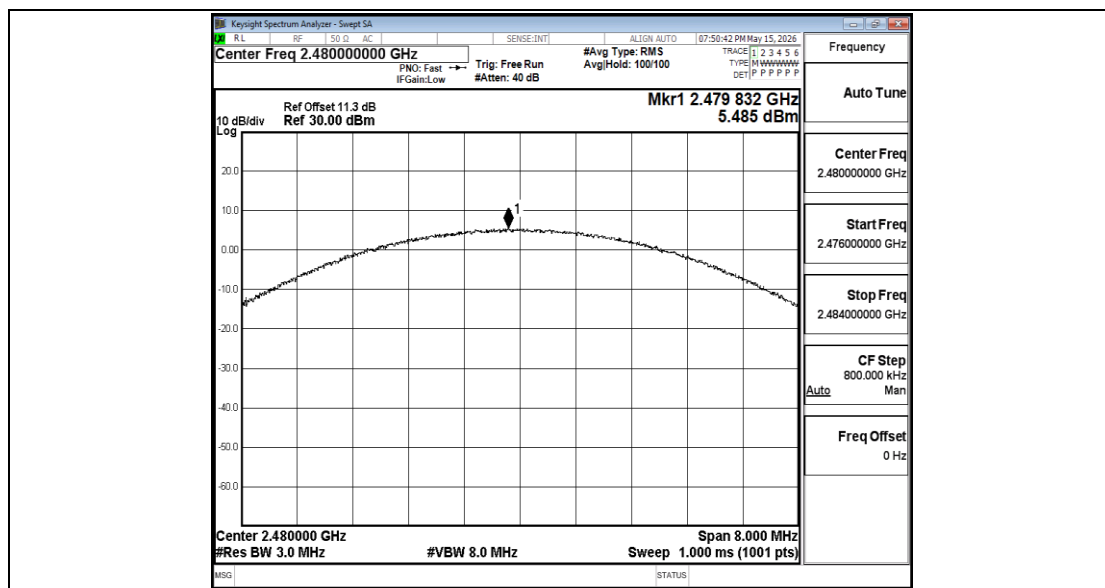
Test Graphs









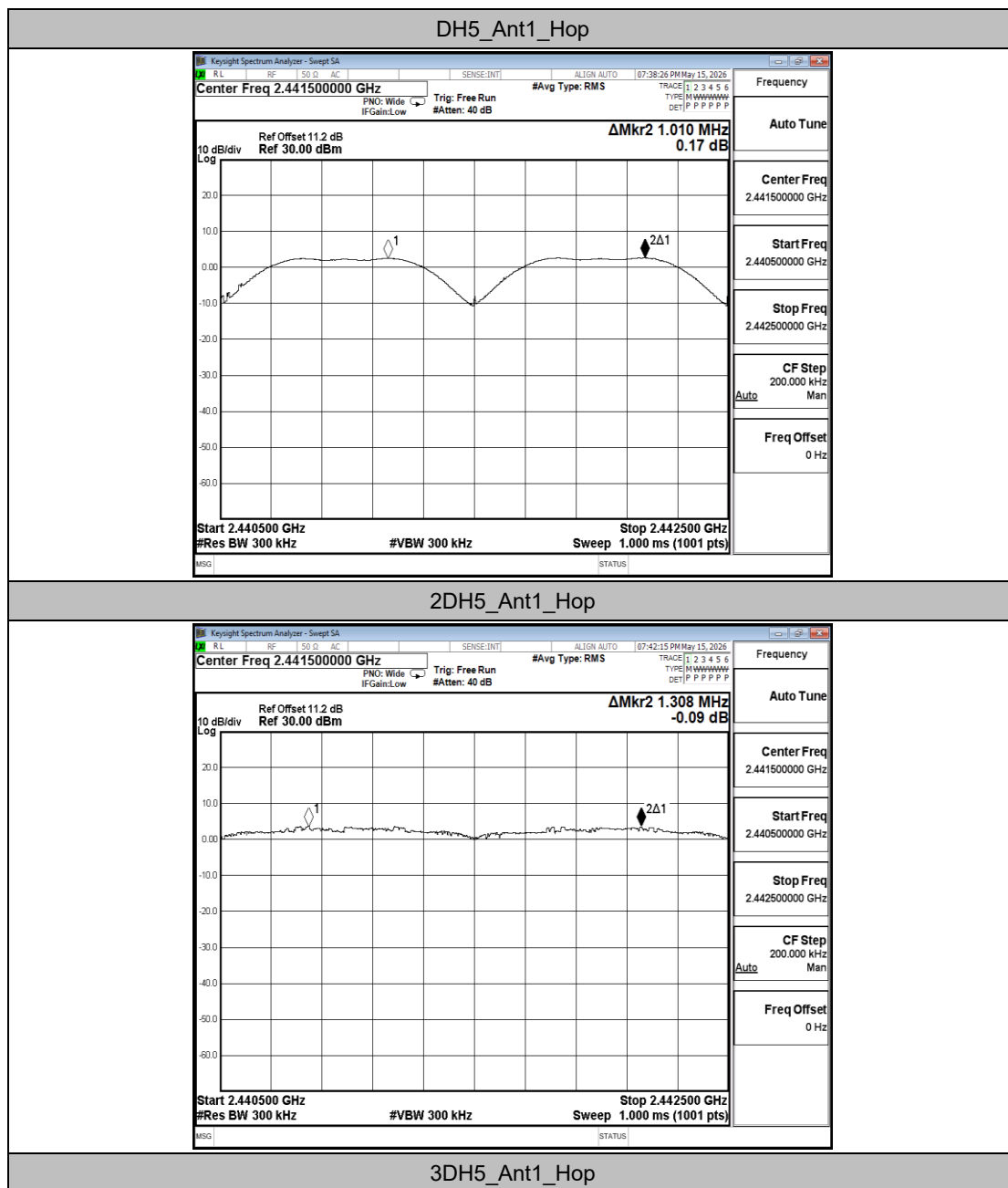


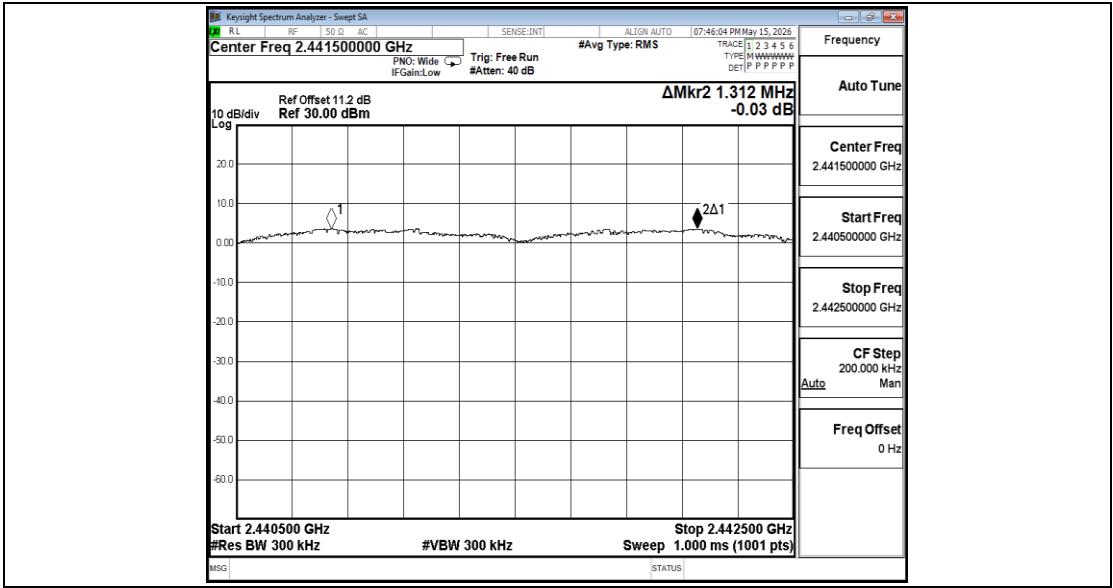
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.01	≥ 0.674	PASS
2DH5	Ant1	Hop	1.308	≥ 0.876	PASS
3DH5	Ant1	Hop	1.312	≥ 0.868	PASS

Test Graphs



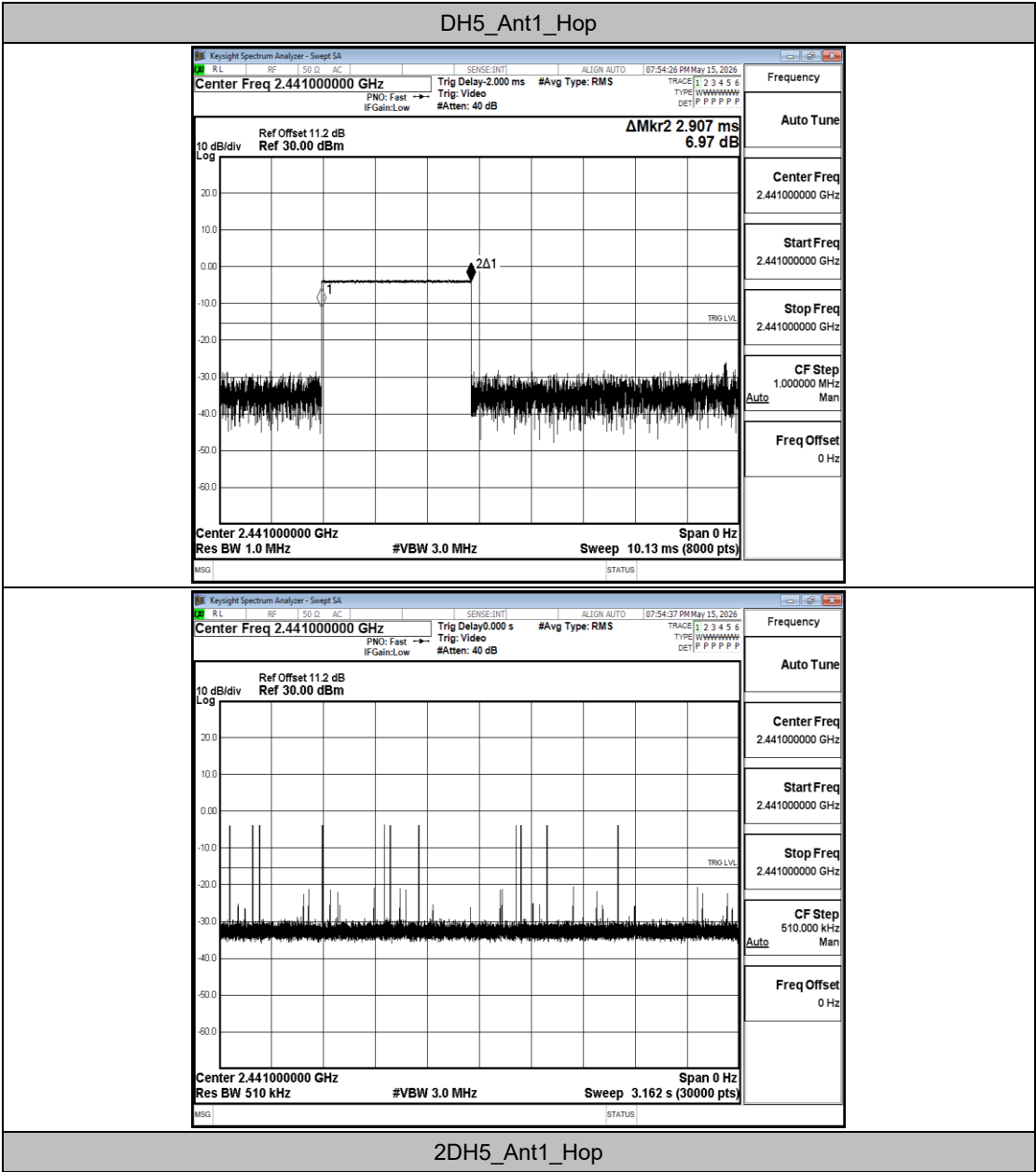


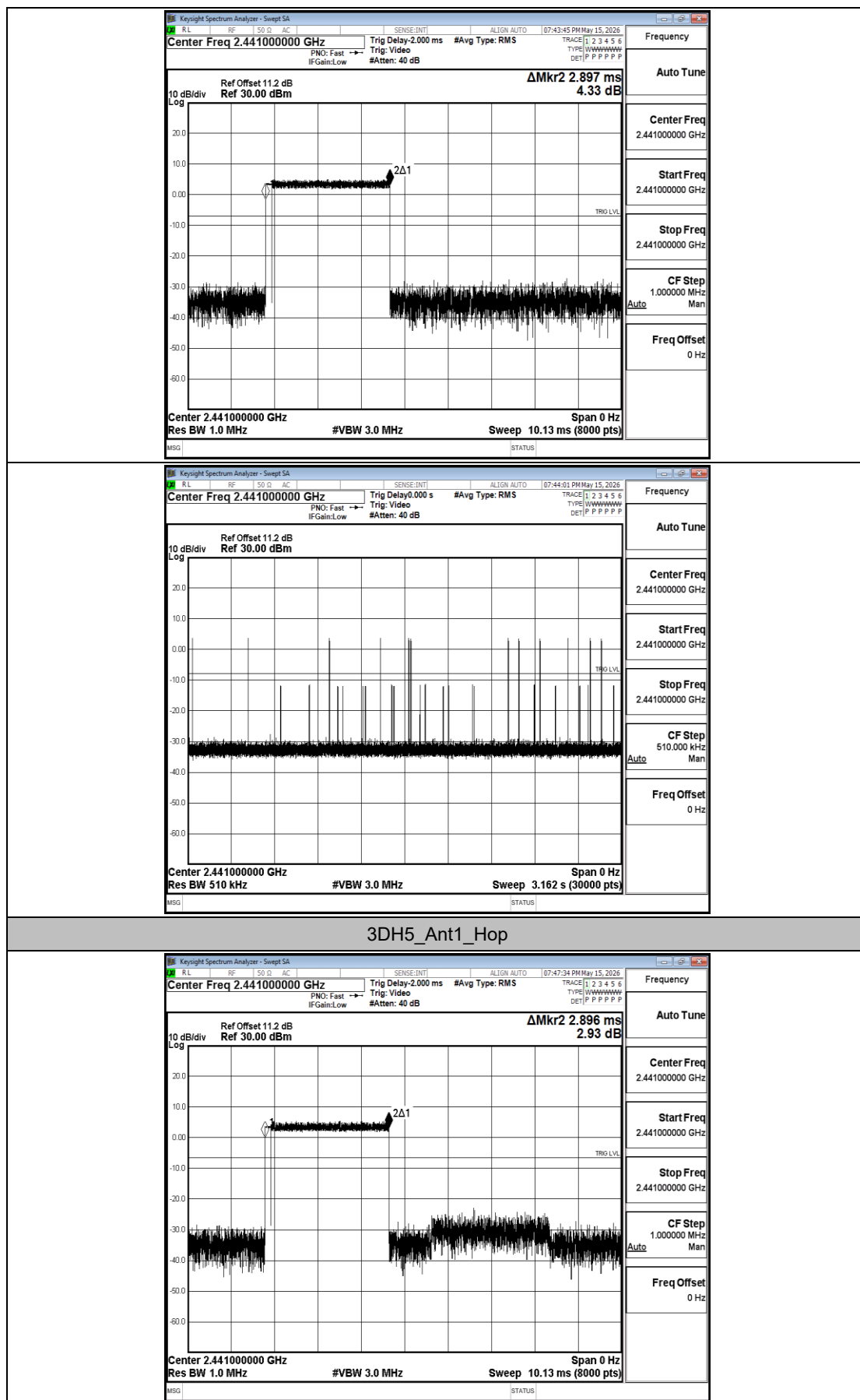
A.4 Time of occupancy

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	2.897	130	0.377	≤0.4	PASS
3DH5	Ant1	Hop	2.896	90	0.261	≤0.4	PASS

Test Graphs

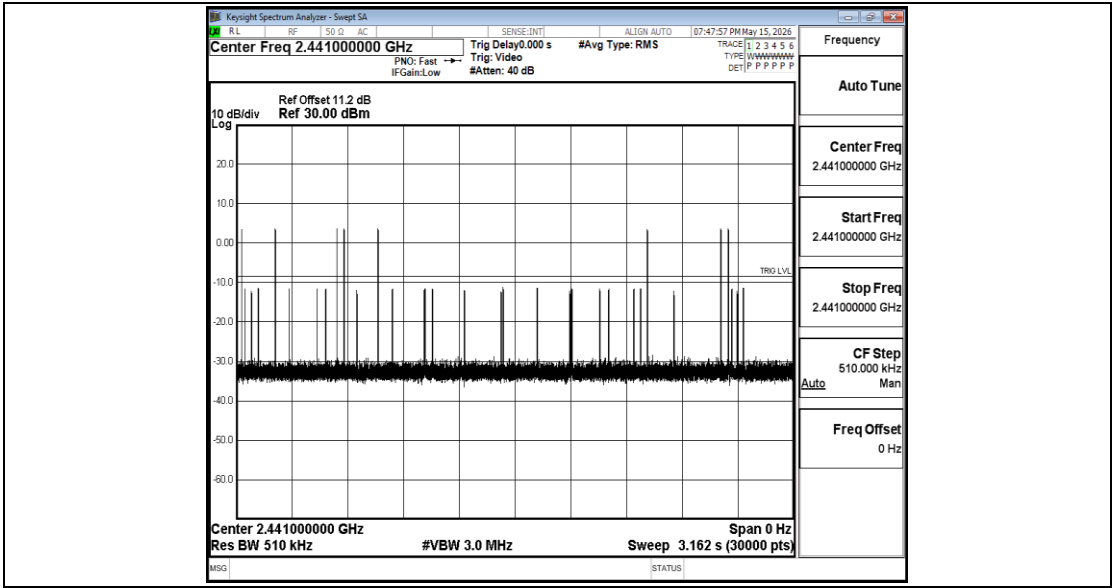




Guangzhou LCS Compliance Testing Laboratory Ltd.

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

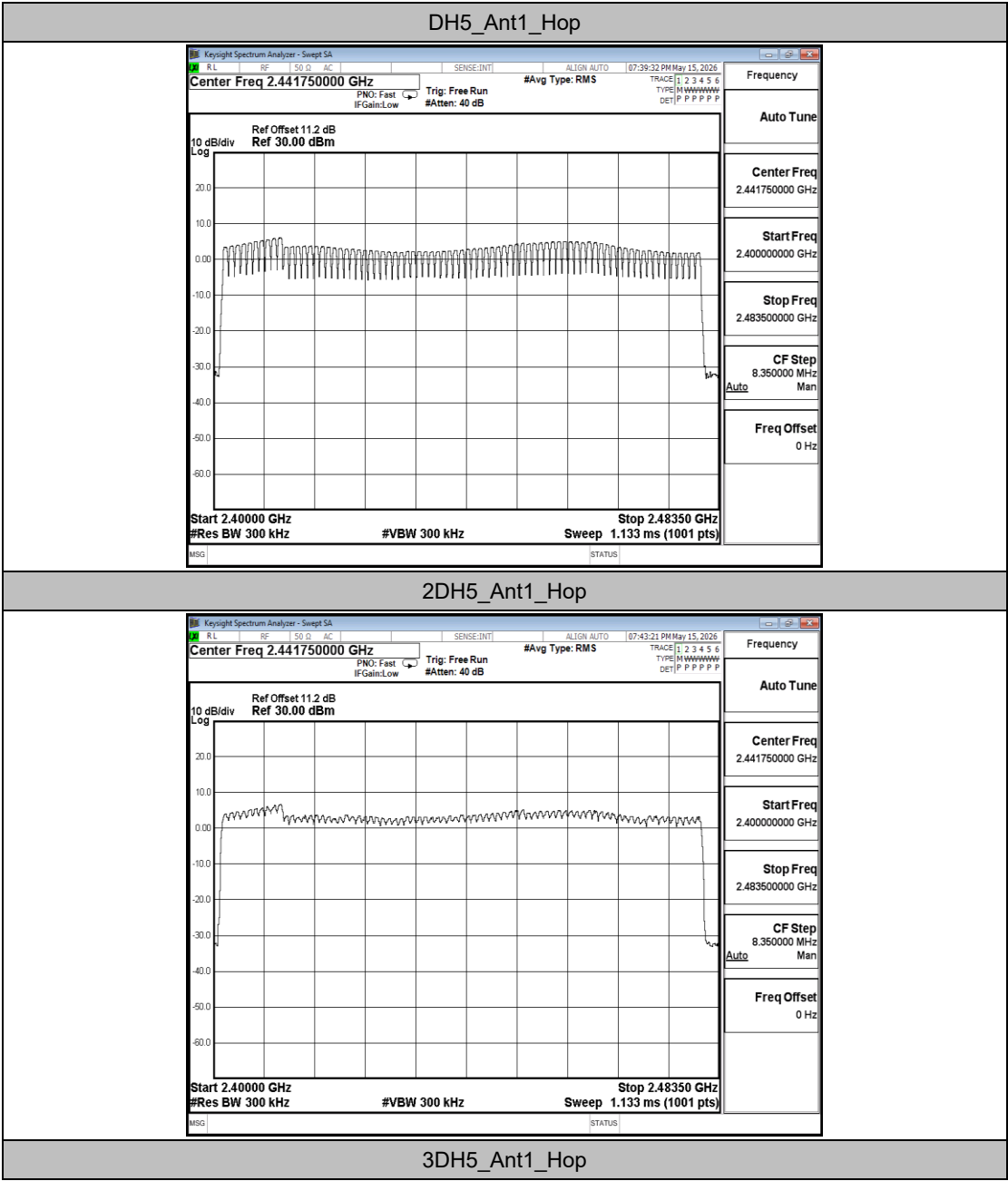


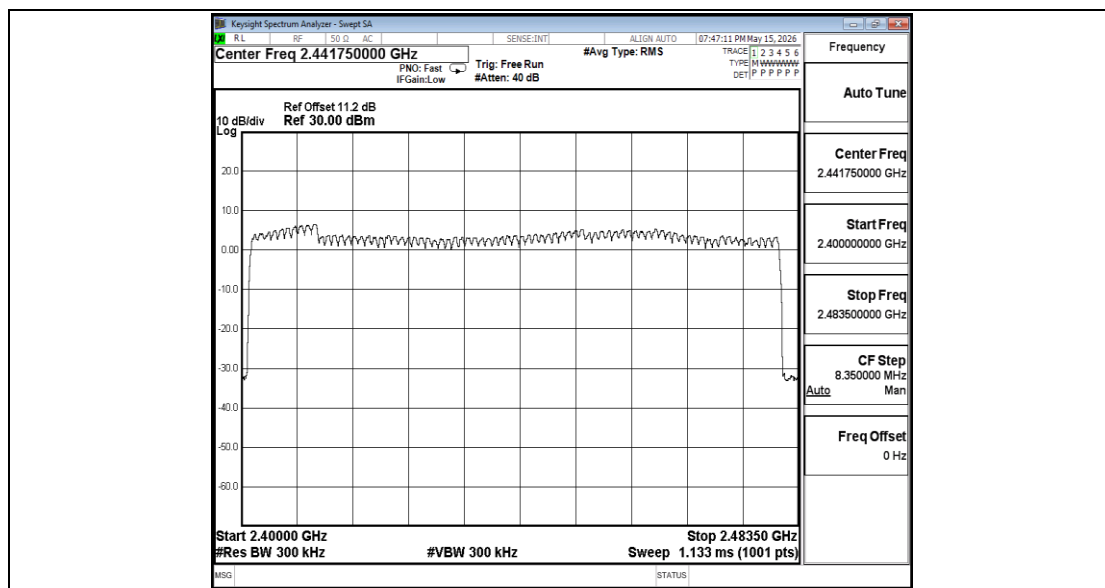
A.5 Number of hopping channels

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



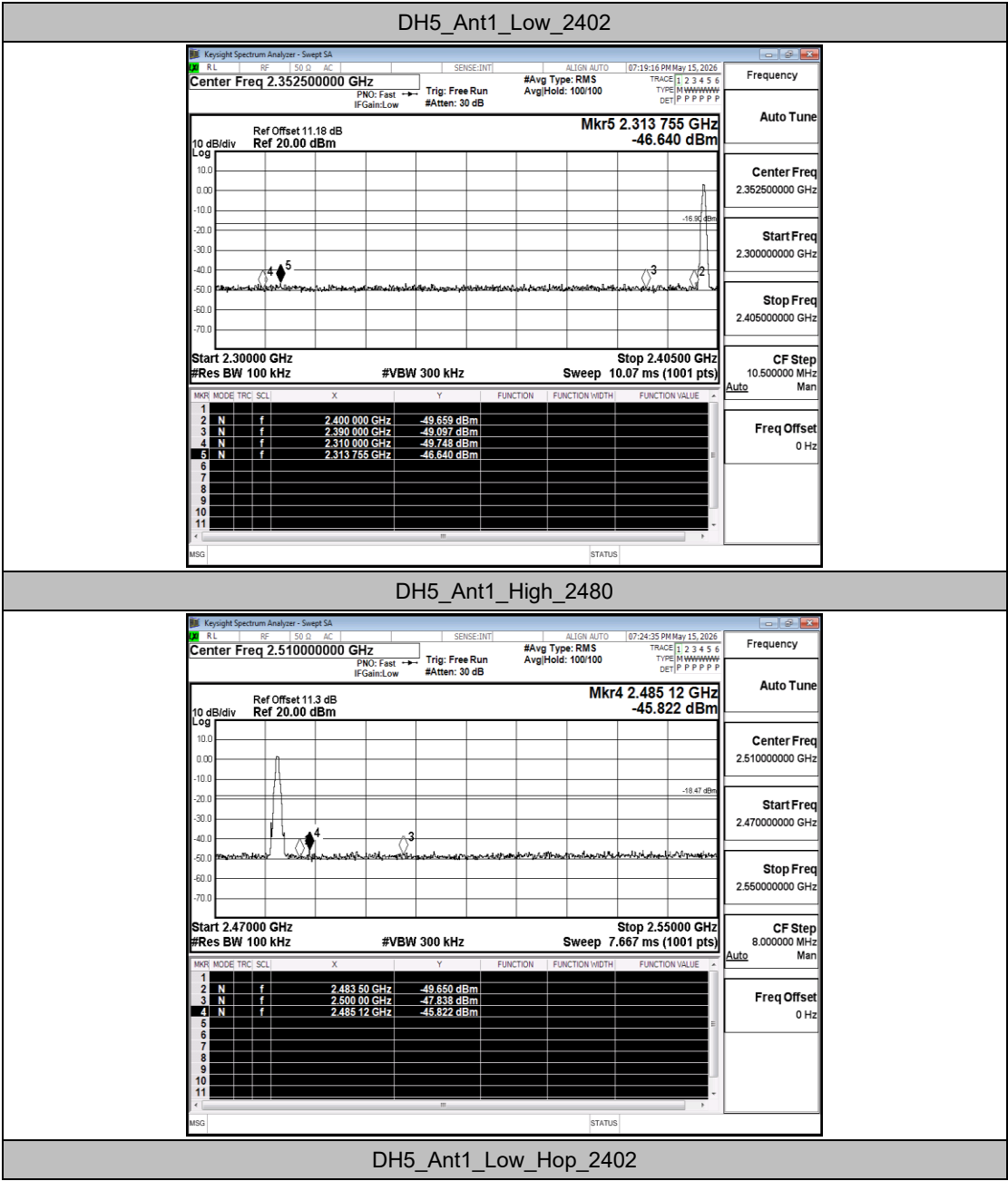


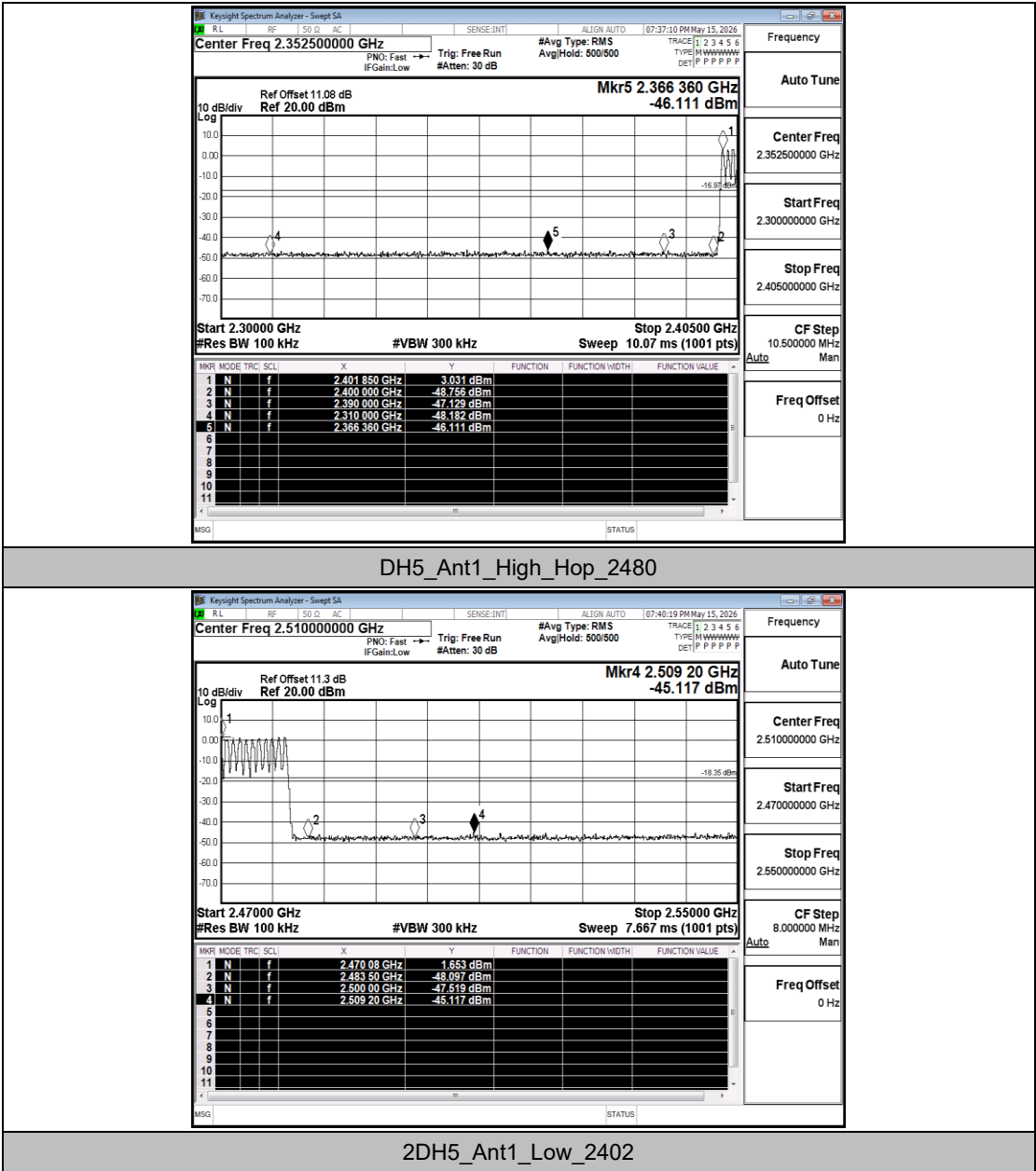
A.6 Band edge measurements

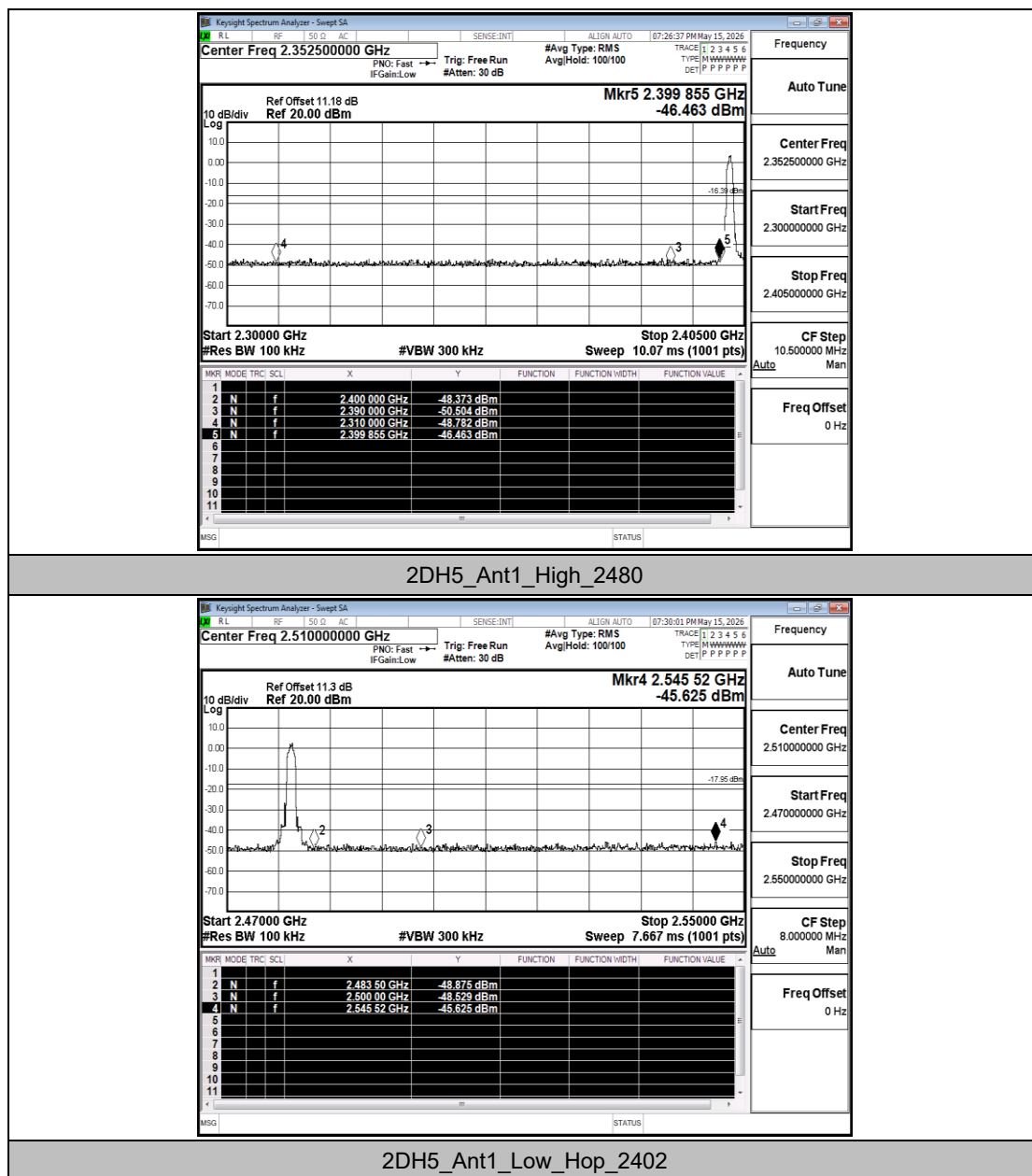
Test Result

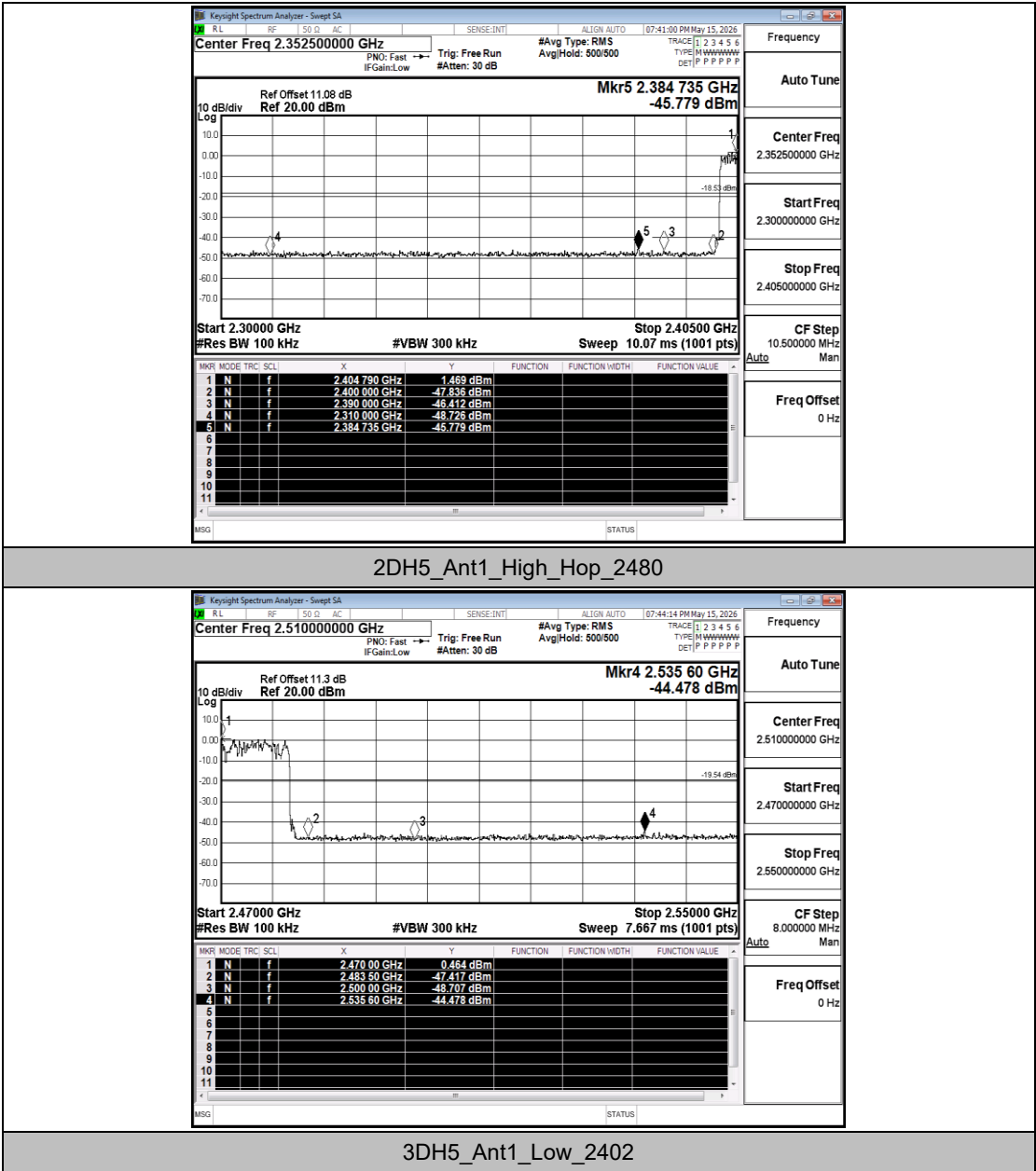
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.10	-46.64	≤ -16.9	PASS
		High	2480	1.53	-45.82	≤ -18.47	PASS
		Low	Hop_2402	3.03	-46.11	≤ -16.97	PASS
		High	Hop_2480	1.65	-45.12	≤ -18.35	PASS
2DH5	Ant1	Low	2402	3.61	-46.46	≤ -16.39	PASS
		High	2480	2.05	-45.63	≤ -17.95	PASS
		Low	Hop_2402	1.47	-45.78	≤ -18.53	PASS
		High	Hop_2480	0.46	-44.48	≤ -19.54	PASS
3DH5	Ant1	Low	2402	3.81	-45.95	≤ -16.19	PASS
		High	2480	3.00	-46.2	≤ -17	PASS
		Low	Hop_2402	1.90	-45.51	≤ -18.11	PASS
		High	Hop_2480	2.00	-45.37	≤ -18	PASS

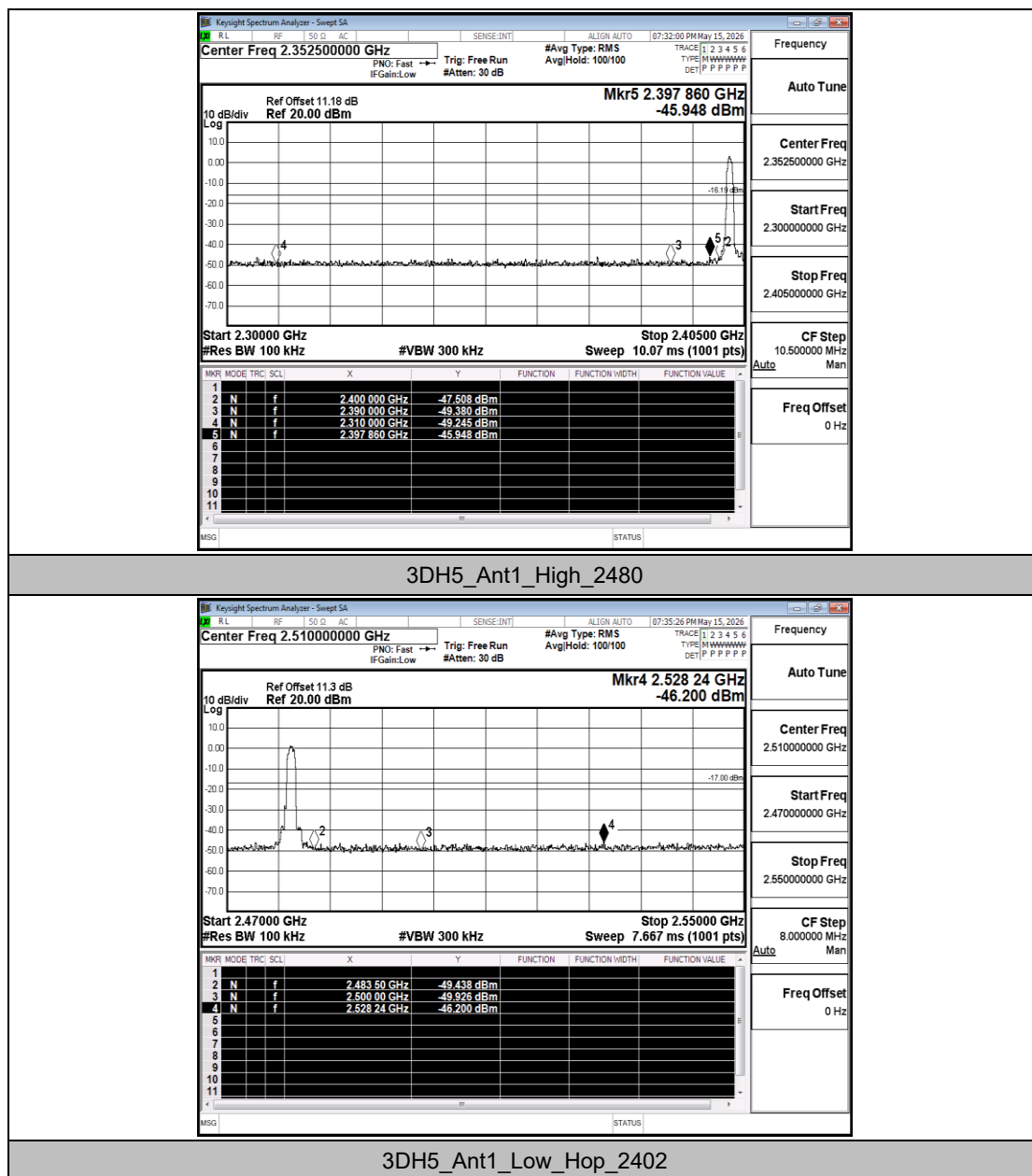
Test Graphs

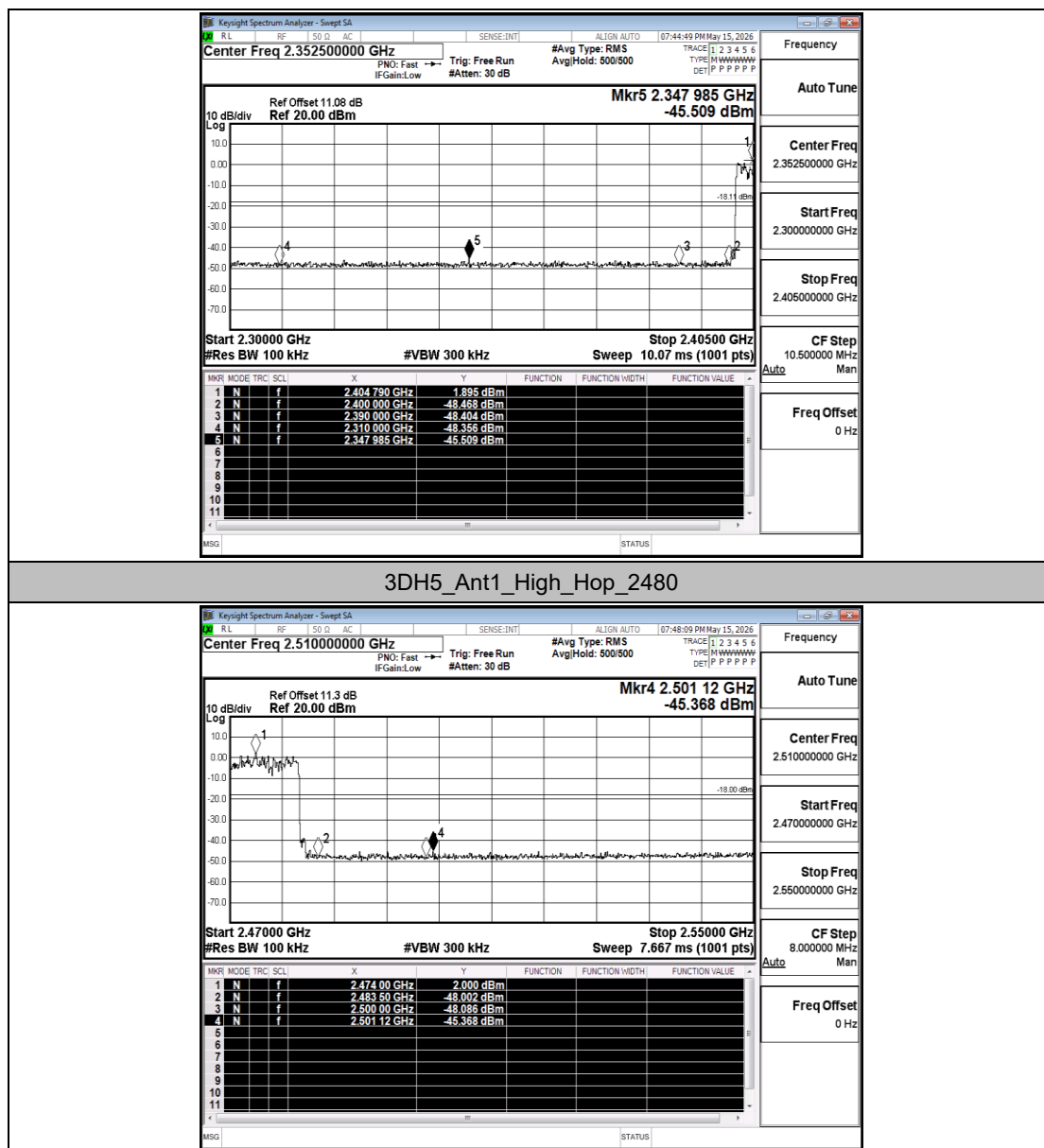












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.15	3.15	---	PASS
			30~1000	3.15	-54.69	≤-16.85	PASS
			1000~26500	3.15	-44.14	≤-16.85	PASS
		2441	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-69.52	≤-17.65	PASS
			1000~26500	2.35	-44.65	≤-17.65	PASS
		2480	Reference	1.66	1.66	---	PASS
			30~1000	1.66	-70.1	≤-18.34	PASS
			1000~26500	1.66	-43.51	≤-18.34	PASS
2DH5	Ant1	2402	Reference	3.66	3.66	---	PASS
			30~1000	3.66	-69.56	≤-16.34	PASS
			1000~26500	3.66	-44.67	≤-16.34	PASS
		2441	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-69.37	≤-16.69	PASS
			1000~26500	3.31	-43.89	≤-16.69	PASS
		2480	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-70.39	≤-17.06	PASS
			1000~26500	2.94	-44.07	≤-17.06	PASS
3DH5	Ant1	2402	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-70.05	≤-16.13	PASS
			1000~26500	3.87	-44.35	≤-16.13	PASS
		2441	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-69.45	≤-16.52	PASS
			1000~26500	3.48	-44.73	≤-16.52	PASS
		2480	Reference	3.10	3.10	---	PASS
			30~1000	3.10	-65.51	≤-16.9	PASS
			1000~26500	3.10	-44.64	≤-16.9	PASS

Test Graphs

