

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: WIRELESS HEADPHONES
Test Model: EHPMULVI128

Environmental Conditions

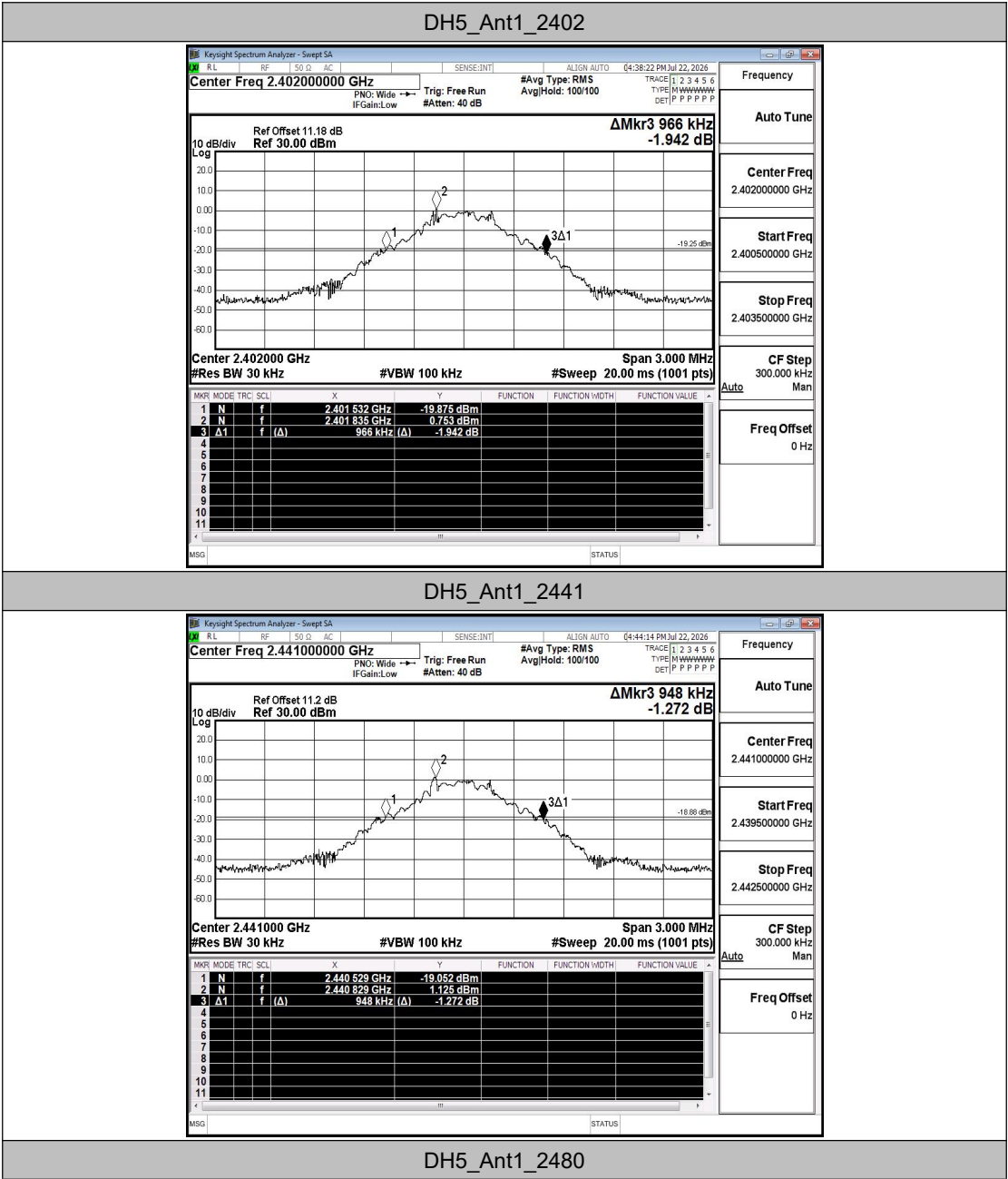
Temperature:	24.3°C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

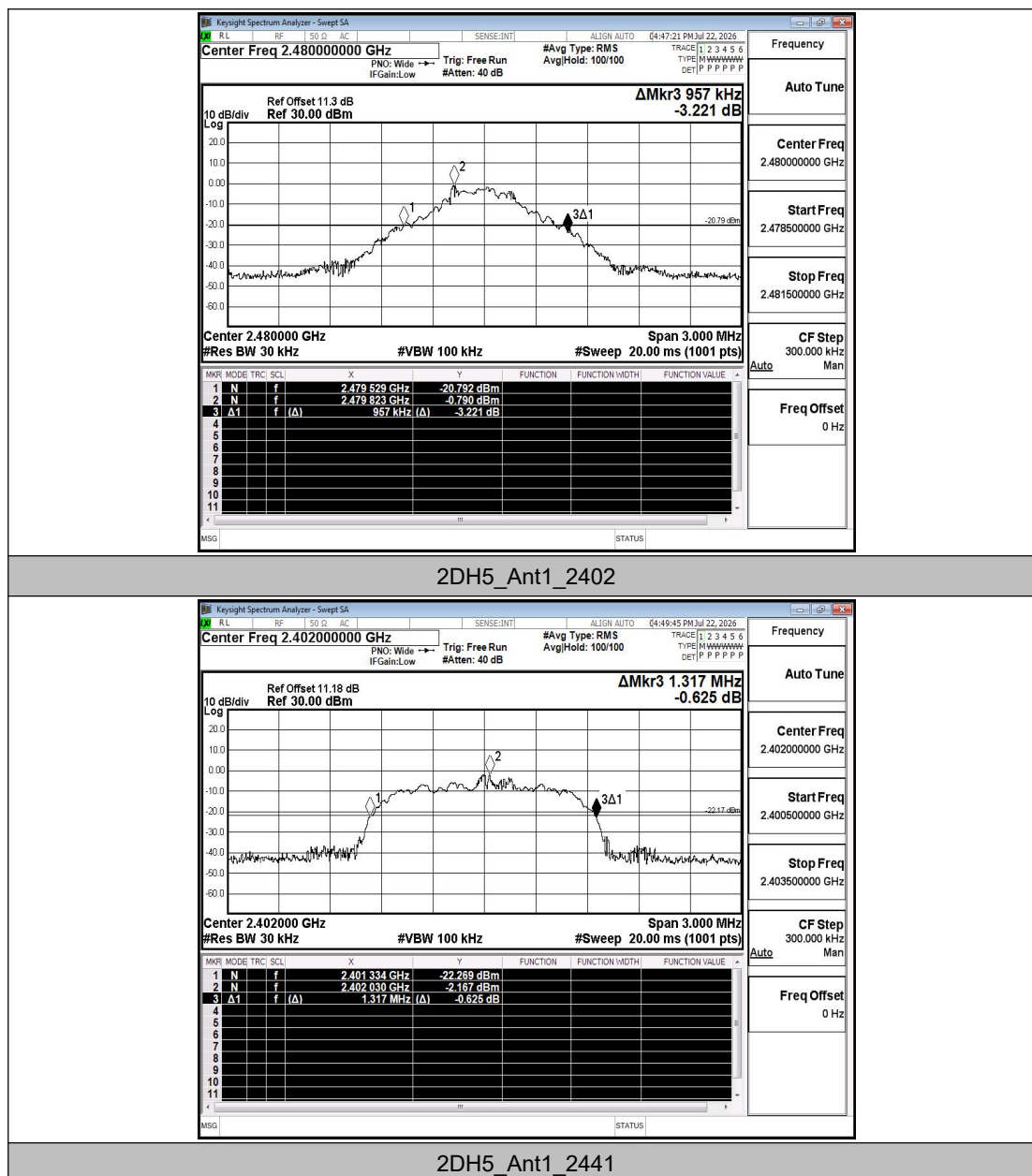
A.1 20dB Emission Bandwidth

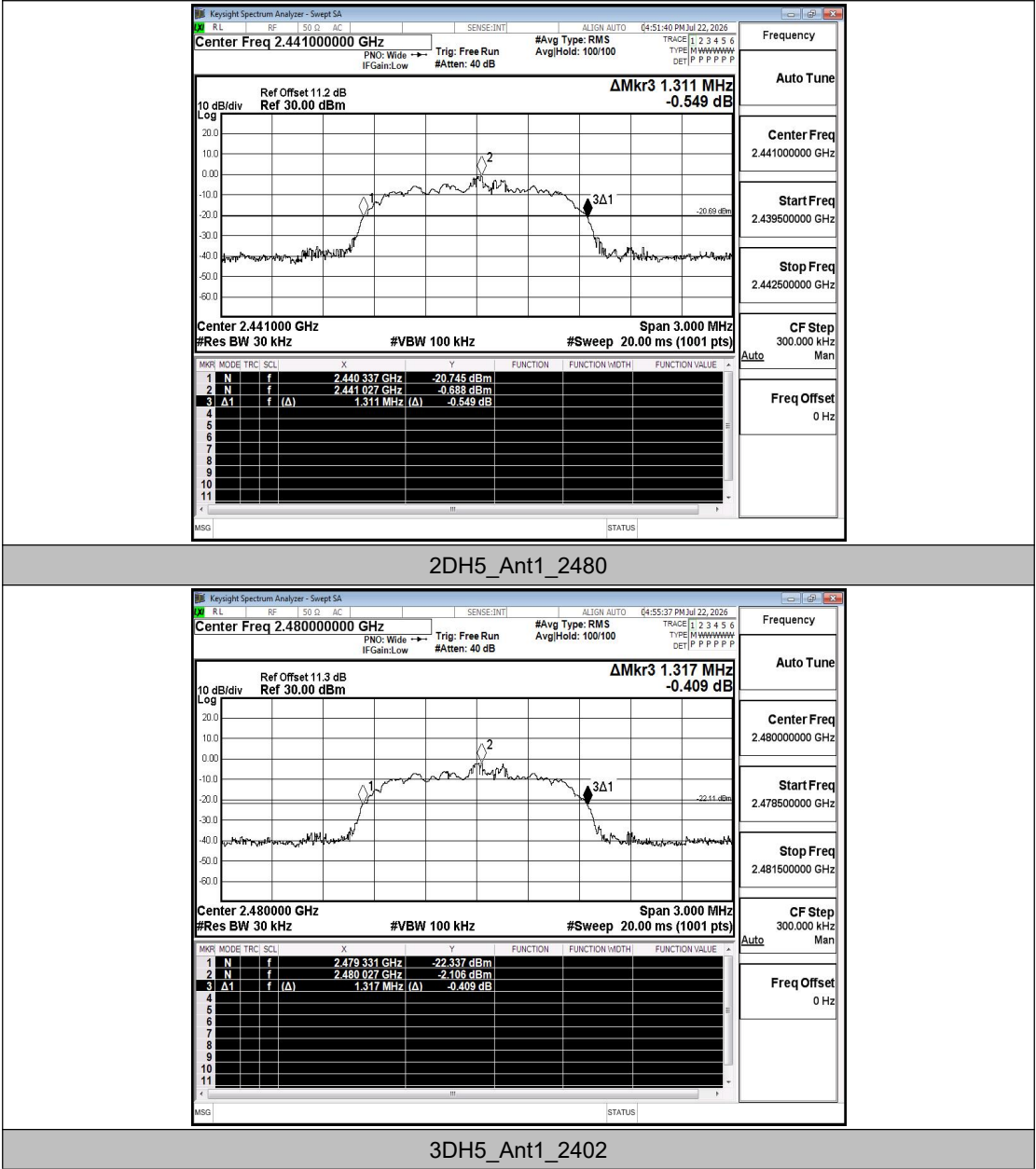
Test Result

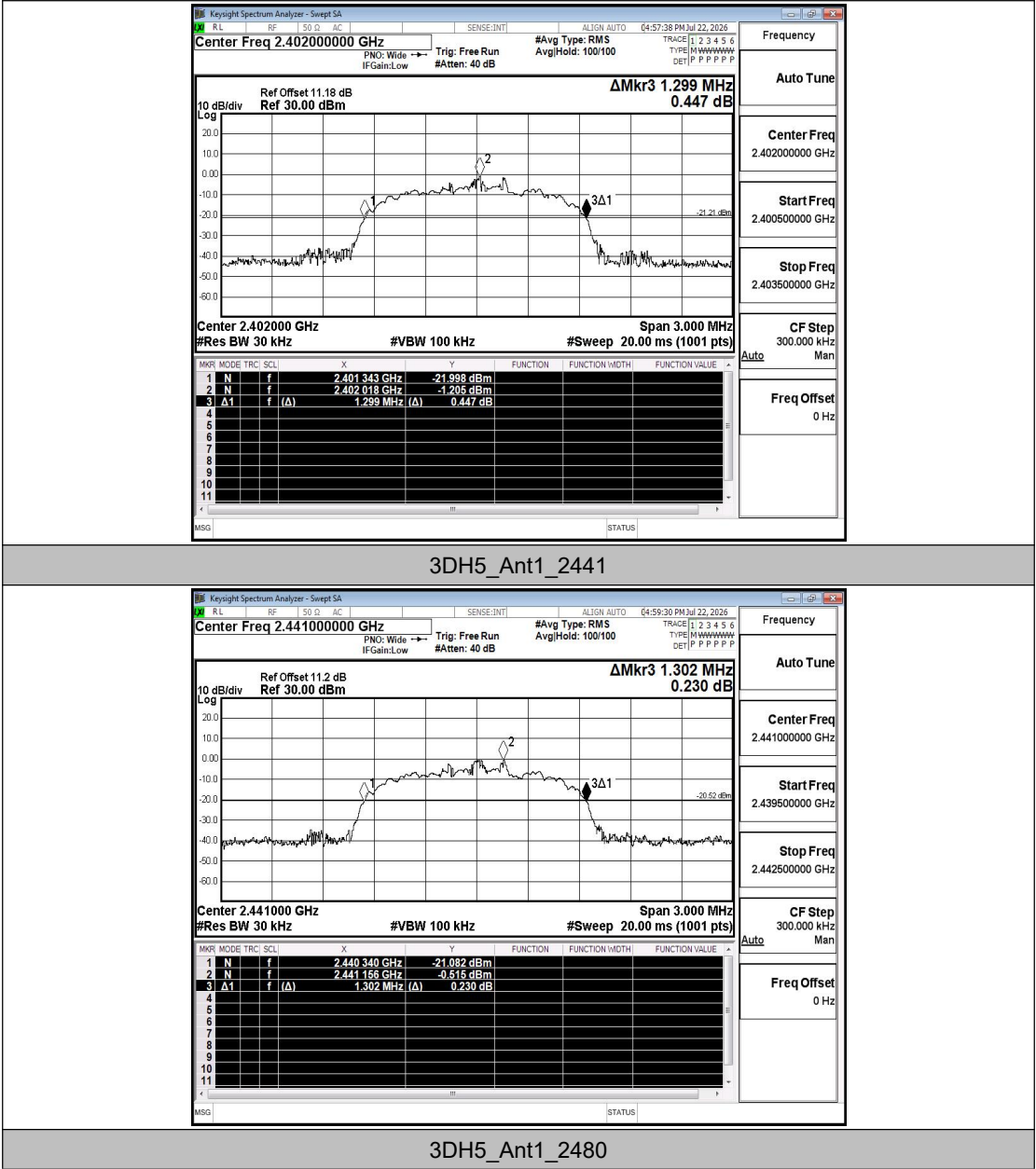
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.966	2401.532	2402.498	---	---
		2441	0.948	2440.529	2441.477	---	---
		2480	0.957	2479.529	2480.486	---	---
2DH5	Ant1	2402	1.317	2401.334	2402.651	---	---
		2441	1.311	2440.337	2441.648	---	---
		2480	1.317	2479.331	2480.648	---	---
3DH5	Ant1	2402	1.299	2401.343	2402.642	---	---
		2441	1.302	2440.340	2441.642	---	---
		2480	1.296	2479.346	2480.642	---	---

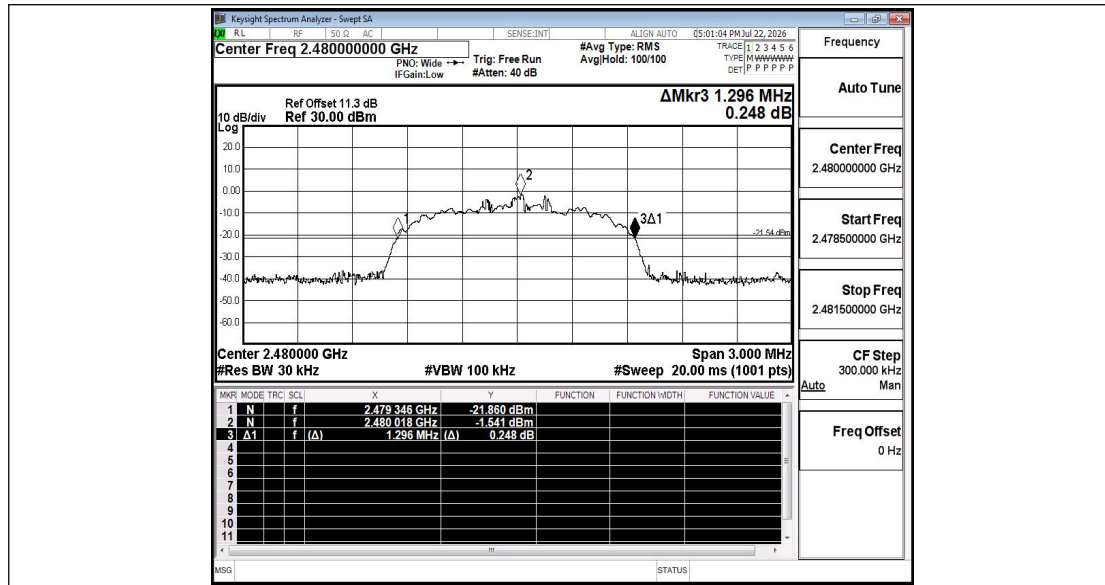
Test Graphs











A.2 Maximum Peak conducted output power

Test Result

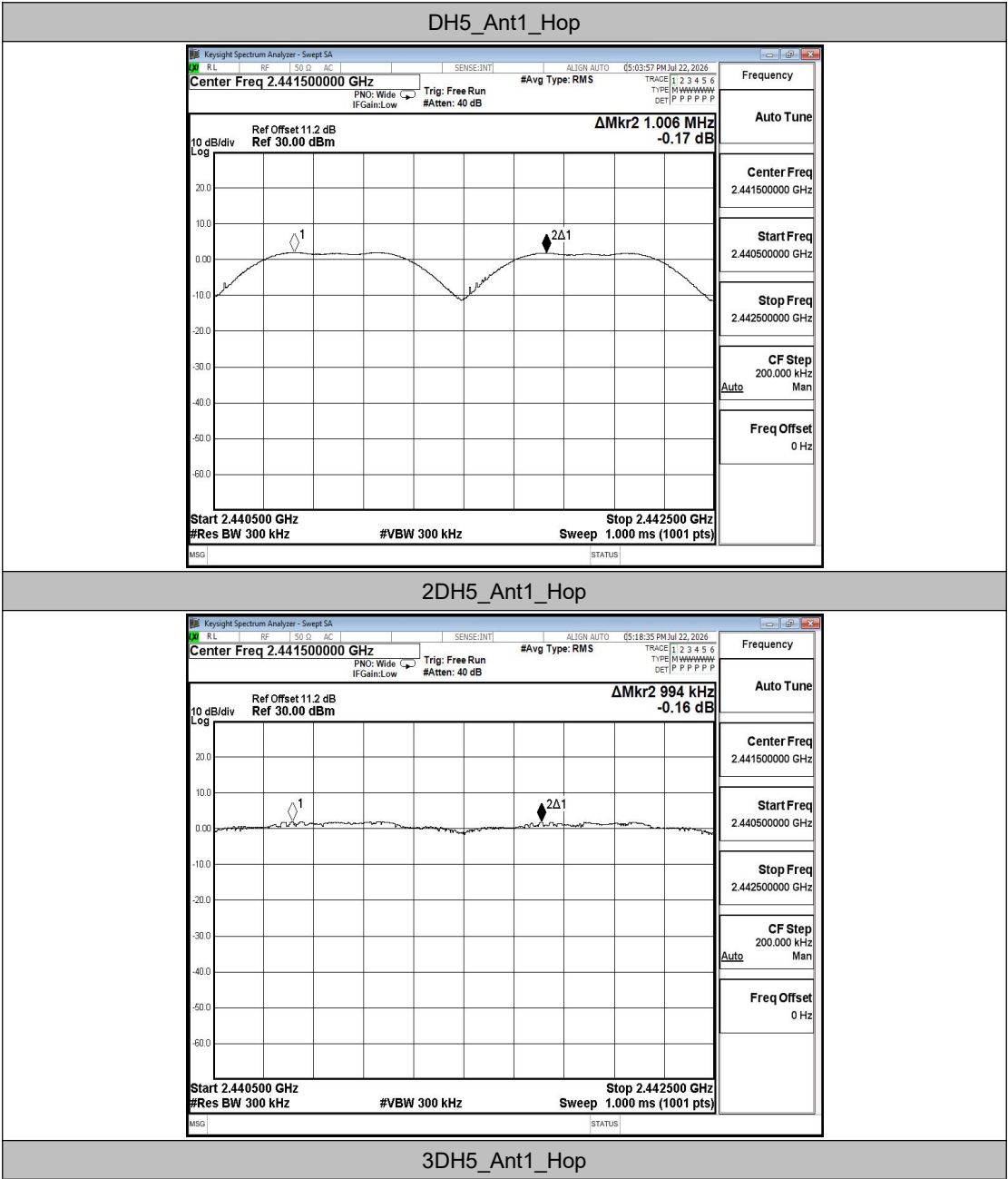
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.54	≤30	PASS
		2441	2.45	≤30	PASS
		2480	3.75	≤30	PASS
2DH5	Ant1	2402	2.65	≤20.97	PASS
		2441	2.74	≤20.97	PASS
		2480	3.59	≤20.97	PASS
3DH5	Ant1	2402	2.66	≤20.97	PASS
		2441	2.92	≤20.97	PASS
		2480	3.96	≤20.97	PASS

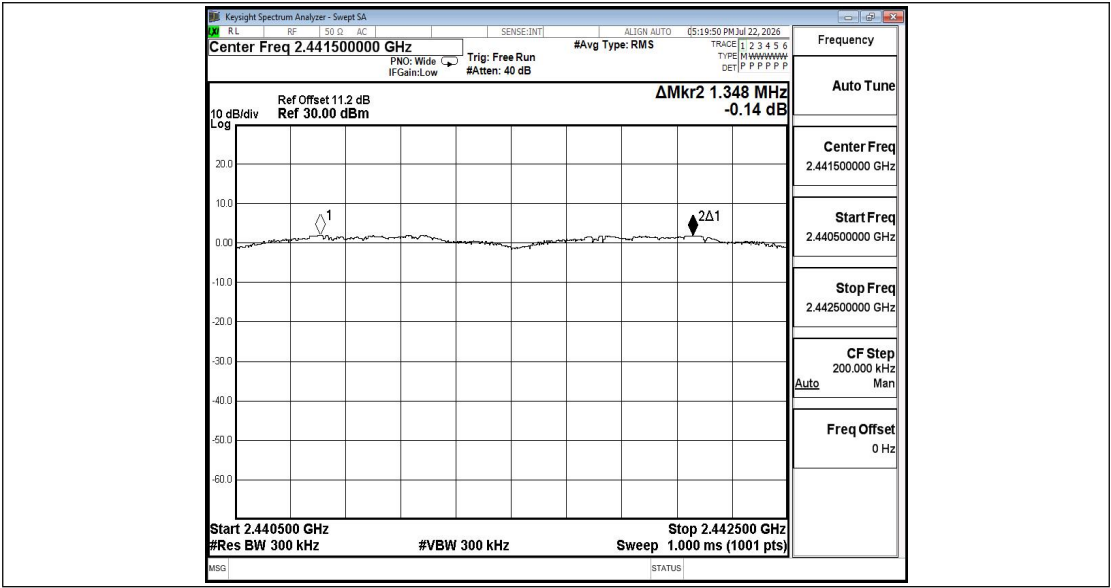
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥0.644	PASS
2DH5	Ant1	Hop	0.994	≥0.878	PASS
3DH5	Ant1	Hop	1.348	≥0.868	PASS

Test Graphs



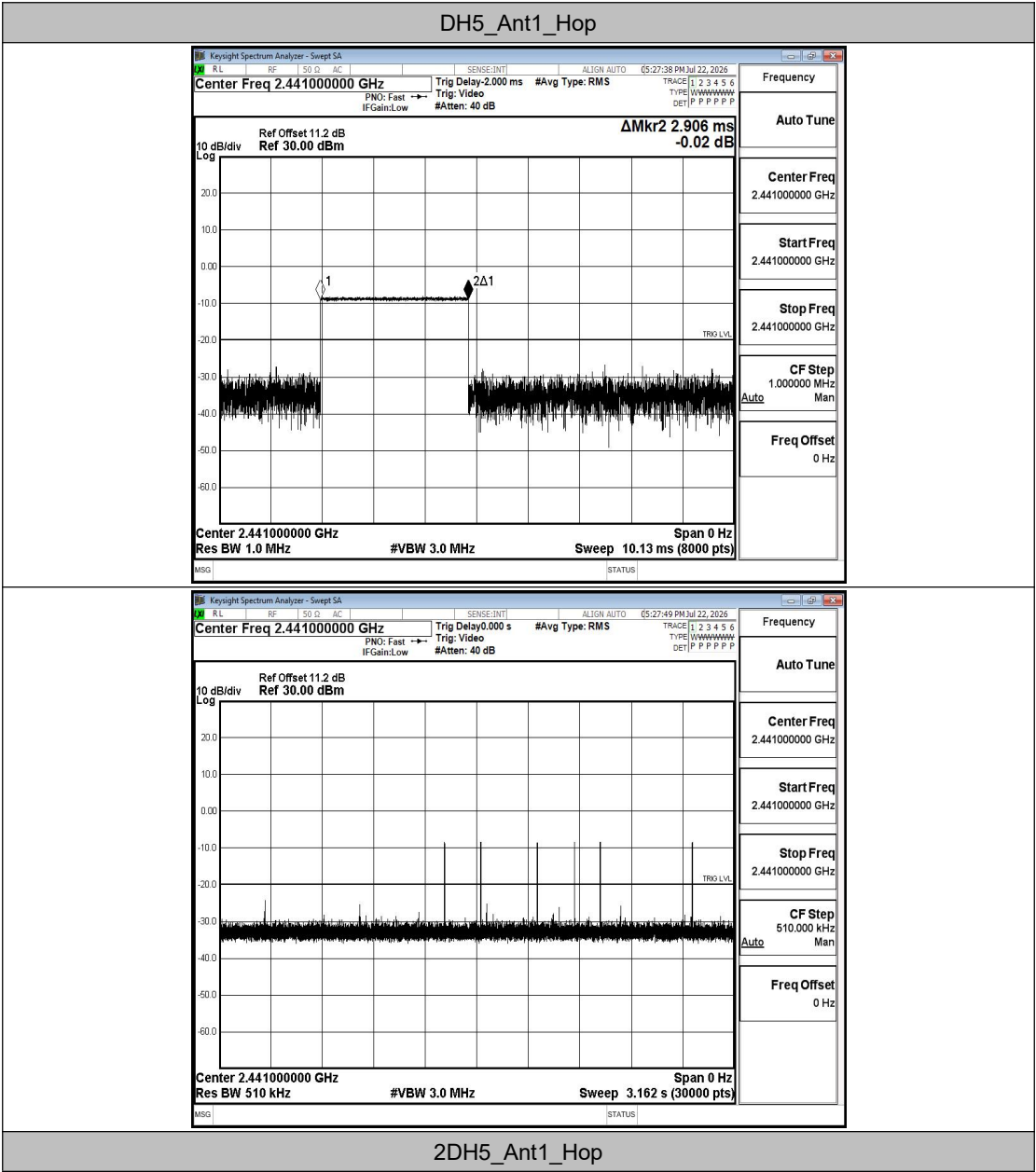


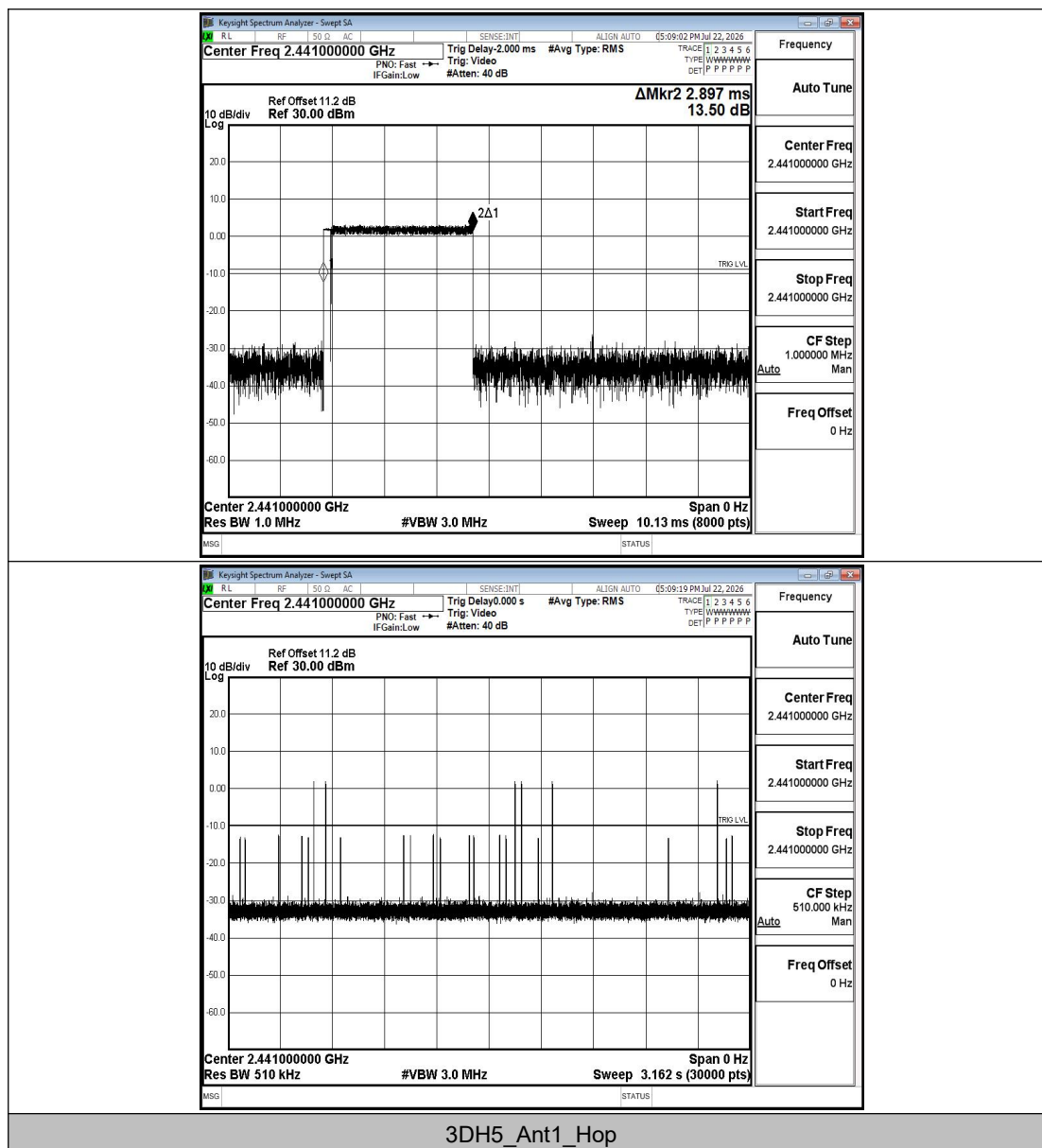
A.4 Time of occupancy

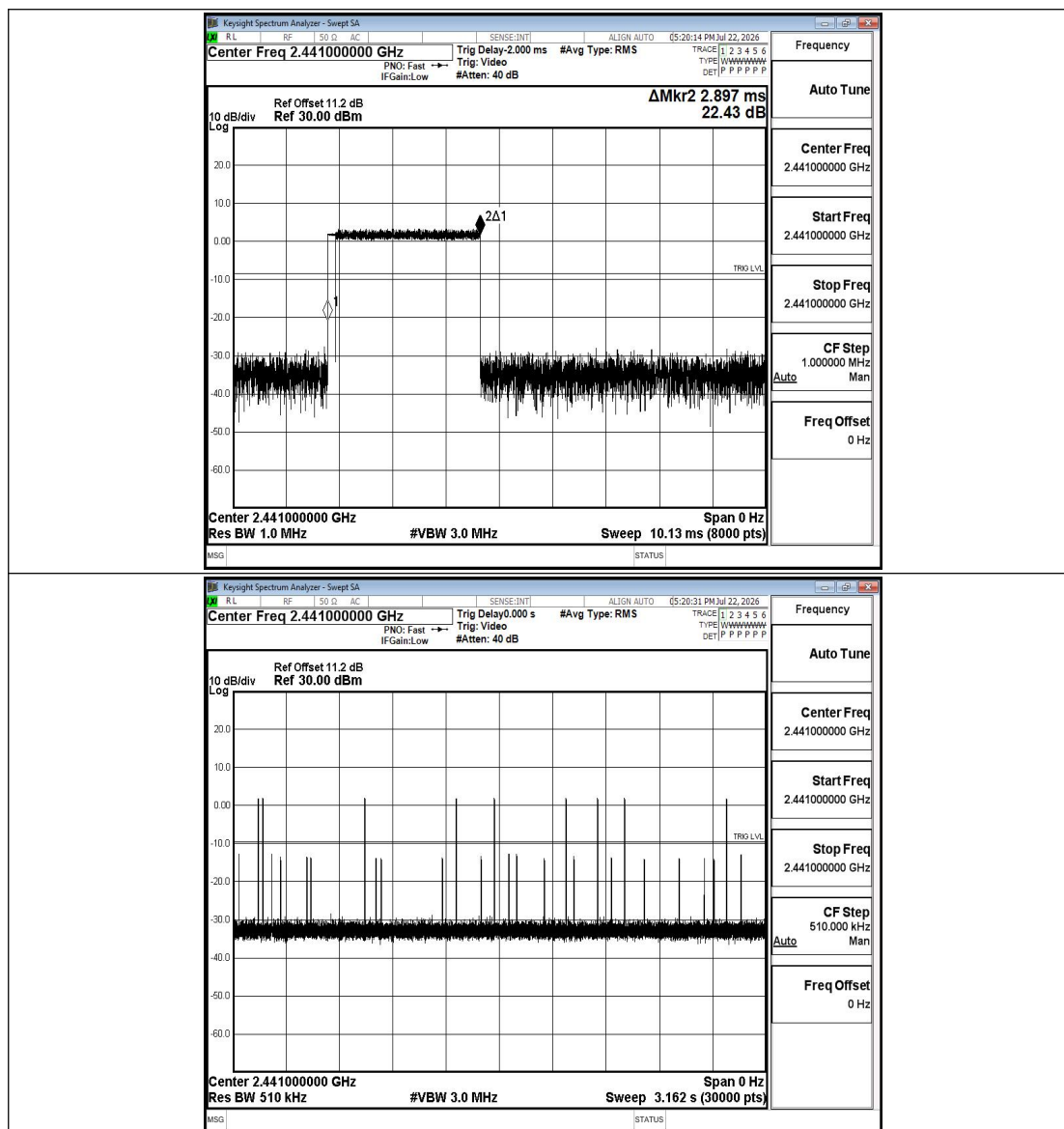
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.906	80	0.232	≤0.4	PASS
2DH5	Ant1	Hop	2.897	70	0.203	≤0.4	PASS
3DH5	Ant1	Hop	2.897	100	0.29	≤0.4	PASS

Test Graphs





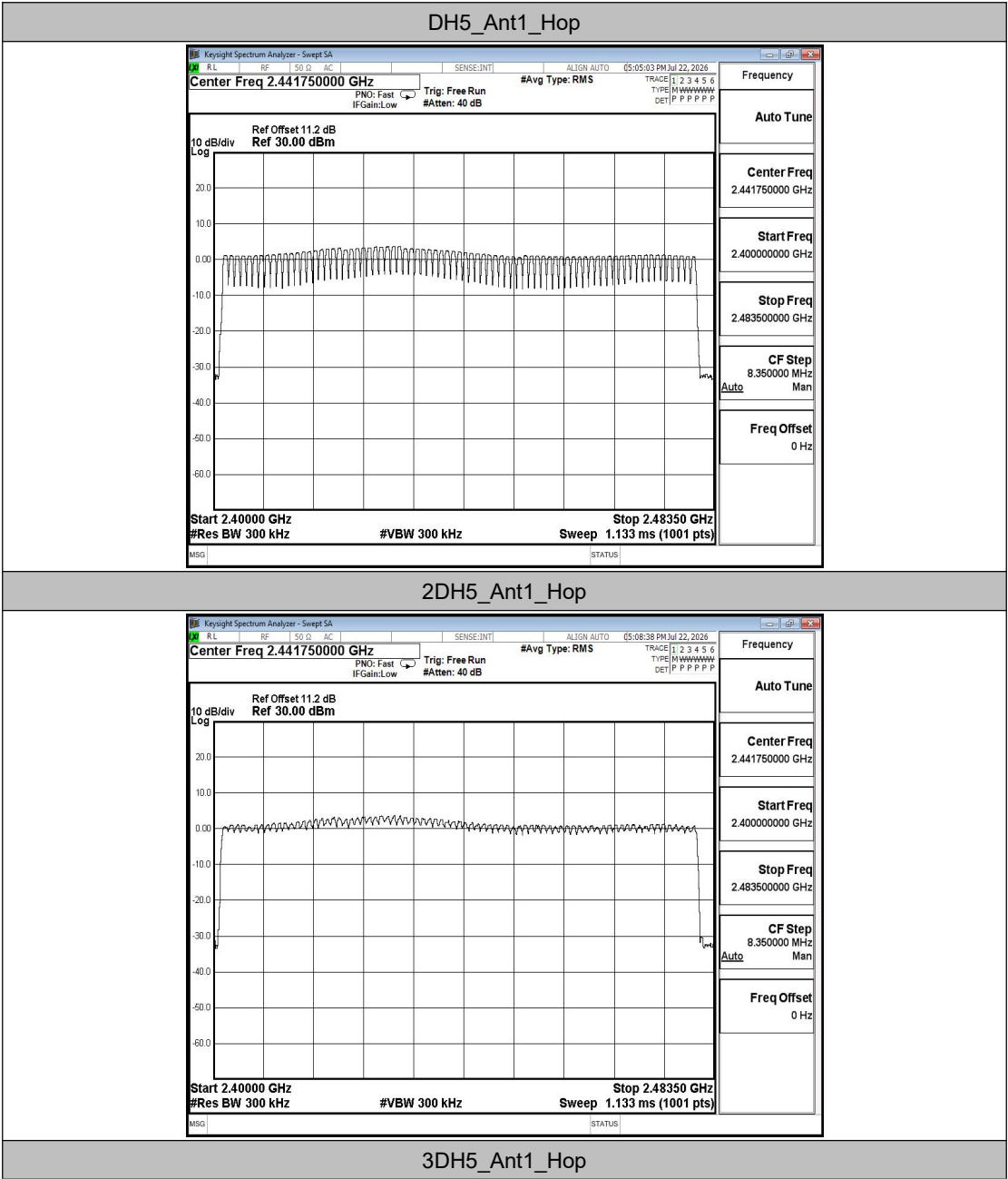


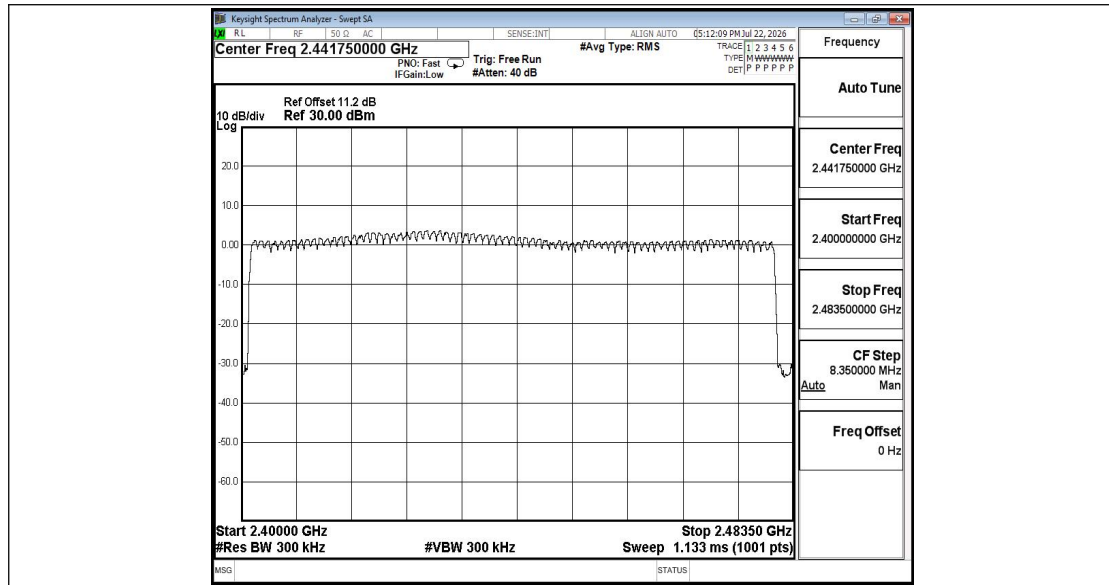
A.5 Number of hopping channels

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



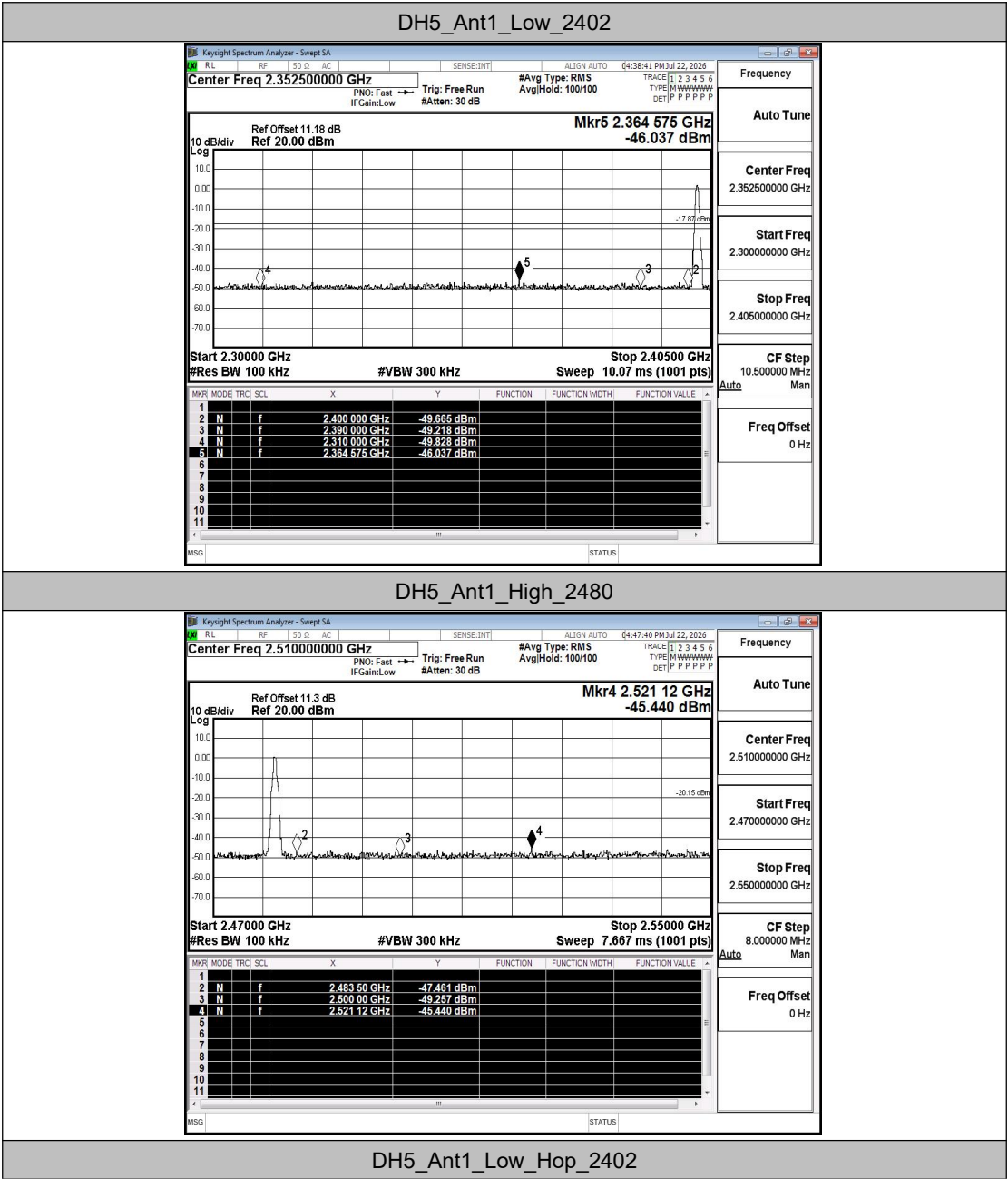


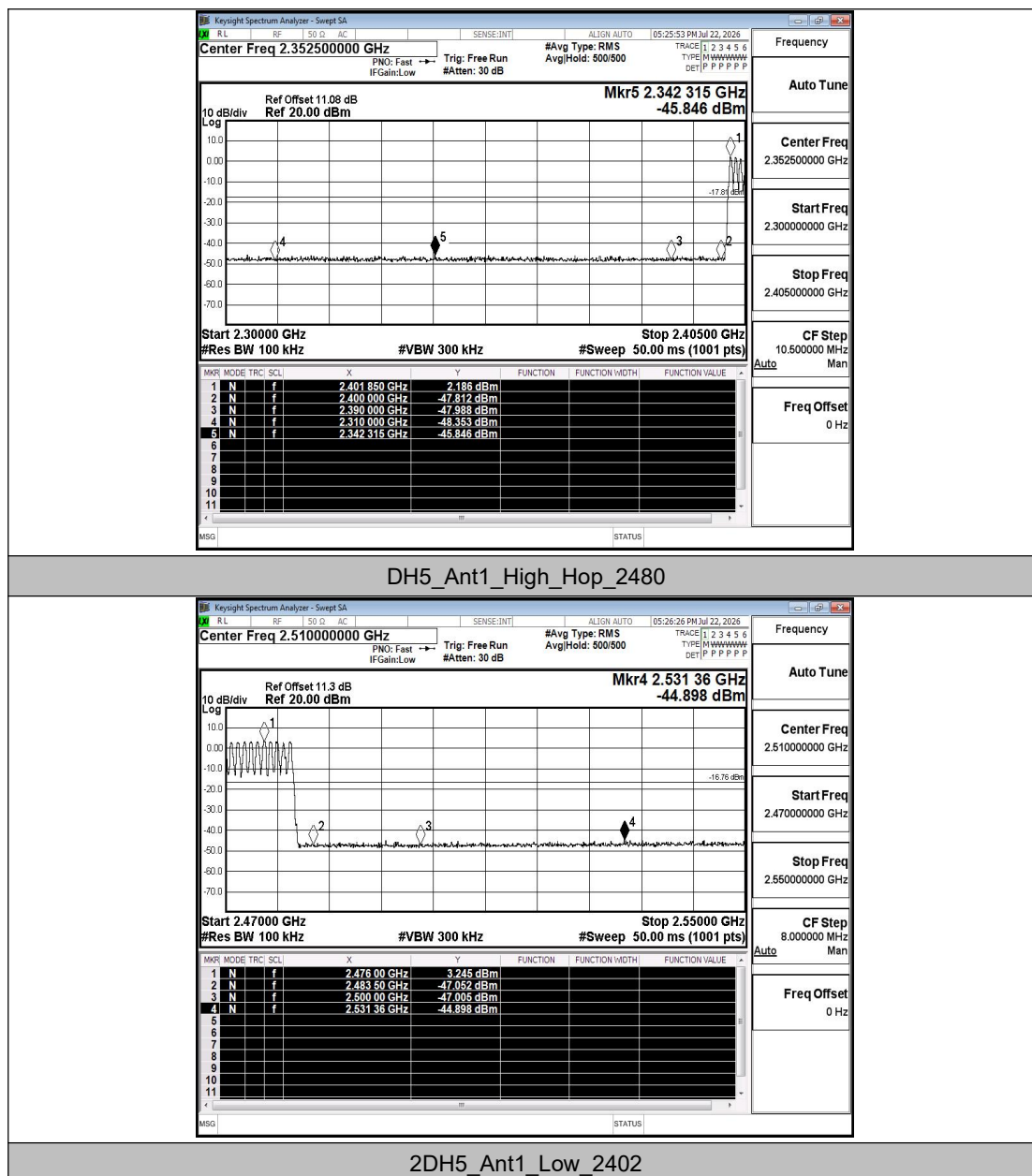
A.6 Band edge measurements

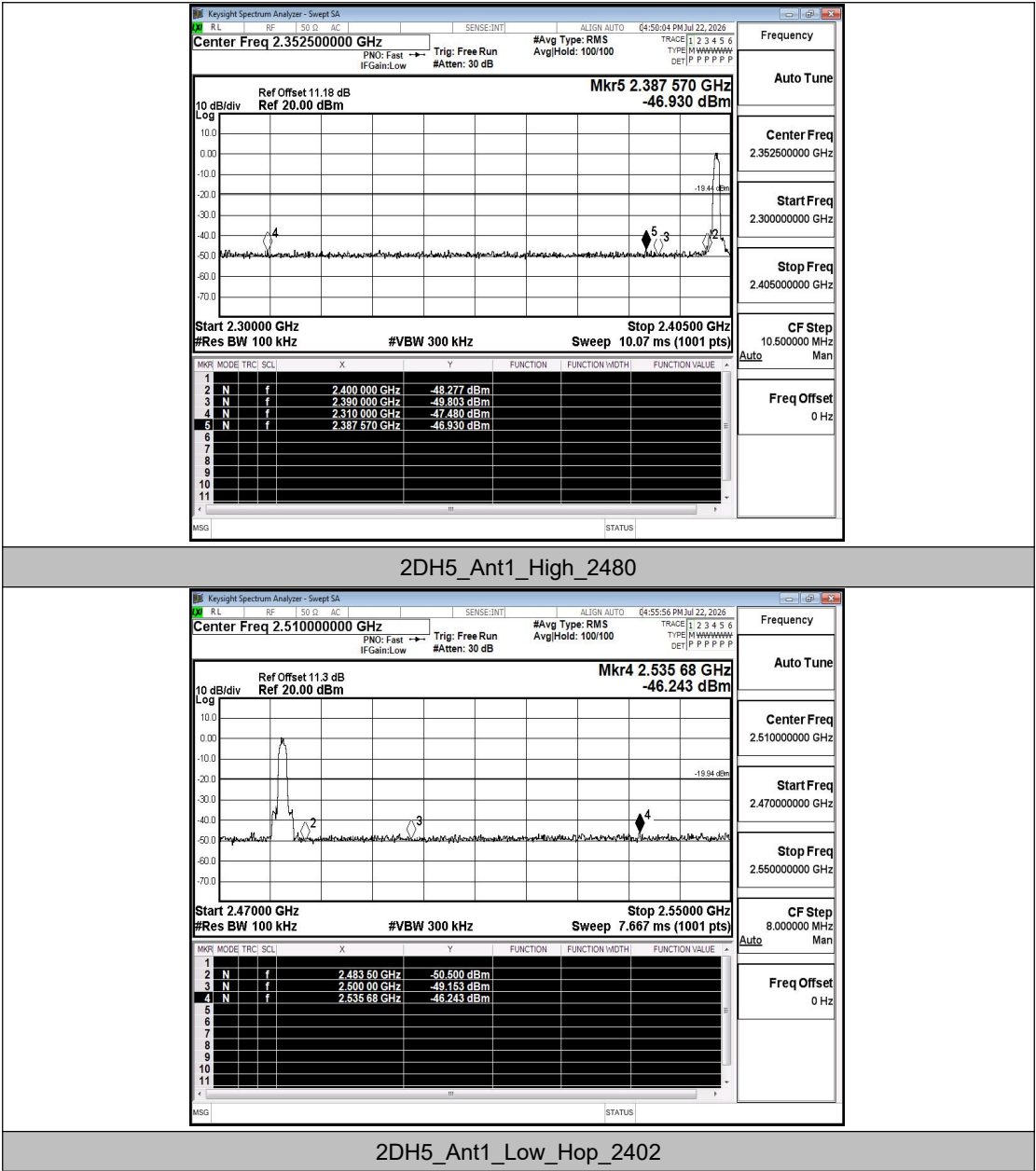
Test Result

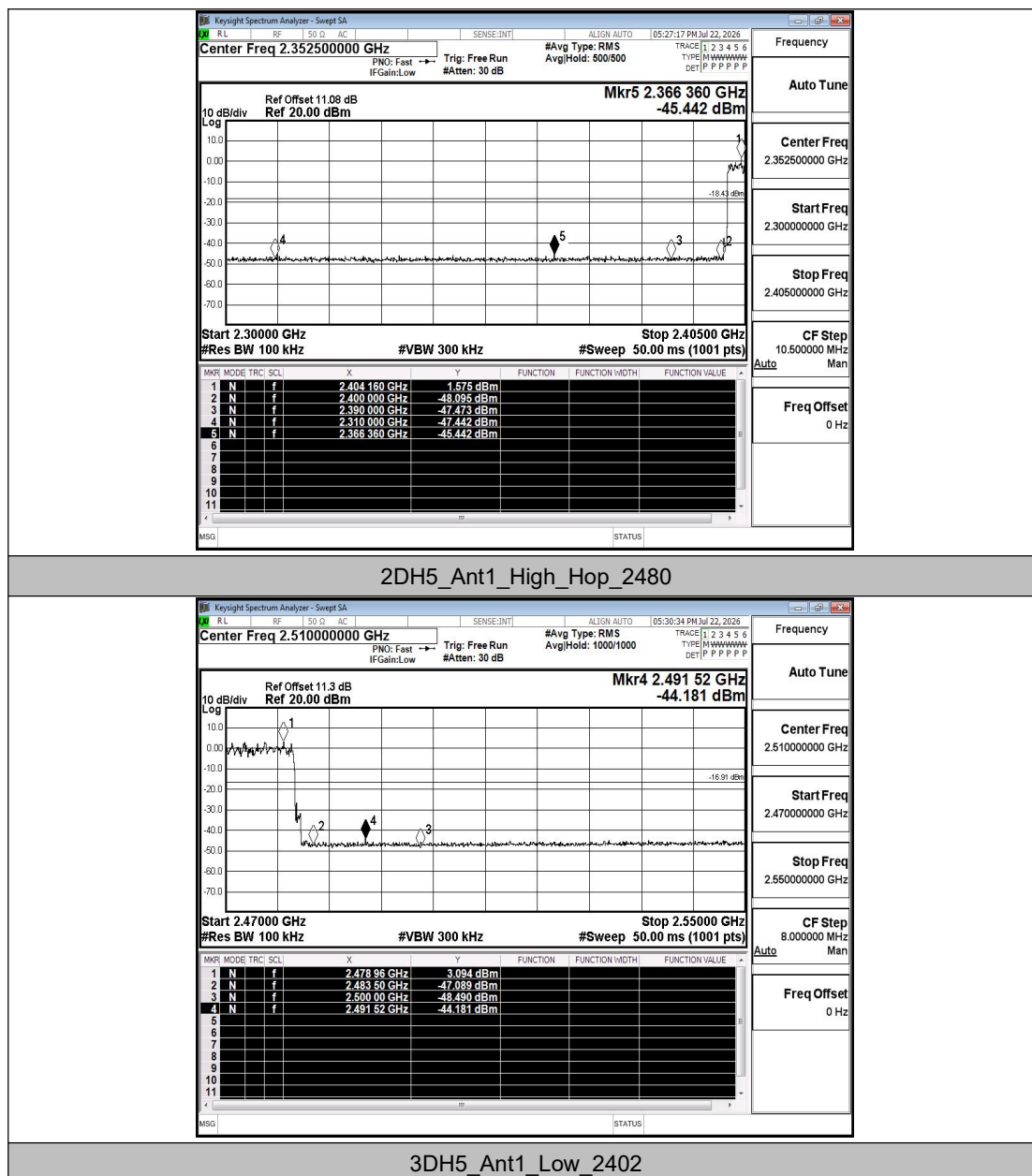
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.13	-46.04	≤-17.87	PASS
		High	2480	-0.15	-45.44	≤-20.15	PASS
		Low	Hop_2402	2.19	-45.85	≤-17.81	PASS
		High	Hop_2480	3.25	-44.9	≤-16.76	PASS
2DH5	Ant1	Low	2402	0.56	-46.93	≤-19.44	PASS
		High	2480	0.06	-46.24	≤-19.94	PASS
		Low	Hop_2402	1.58	-45.44	≤-18.43	PASS
		High	Hop_2480	3.09	-44.18	≤-16.91	PASS
3DH5	Ant1	Low	2402	0.75	-46.41	≤-19.25	PASS
		High	2480	0.41	-45.63	≤-19.59	PASS
		Low	Hop_2402	1.99	-45.17	≤-18.01	PASS
		High	Hop_2480	3.86	-44.53	≤-16.14	PASS

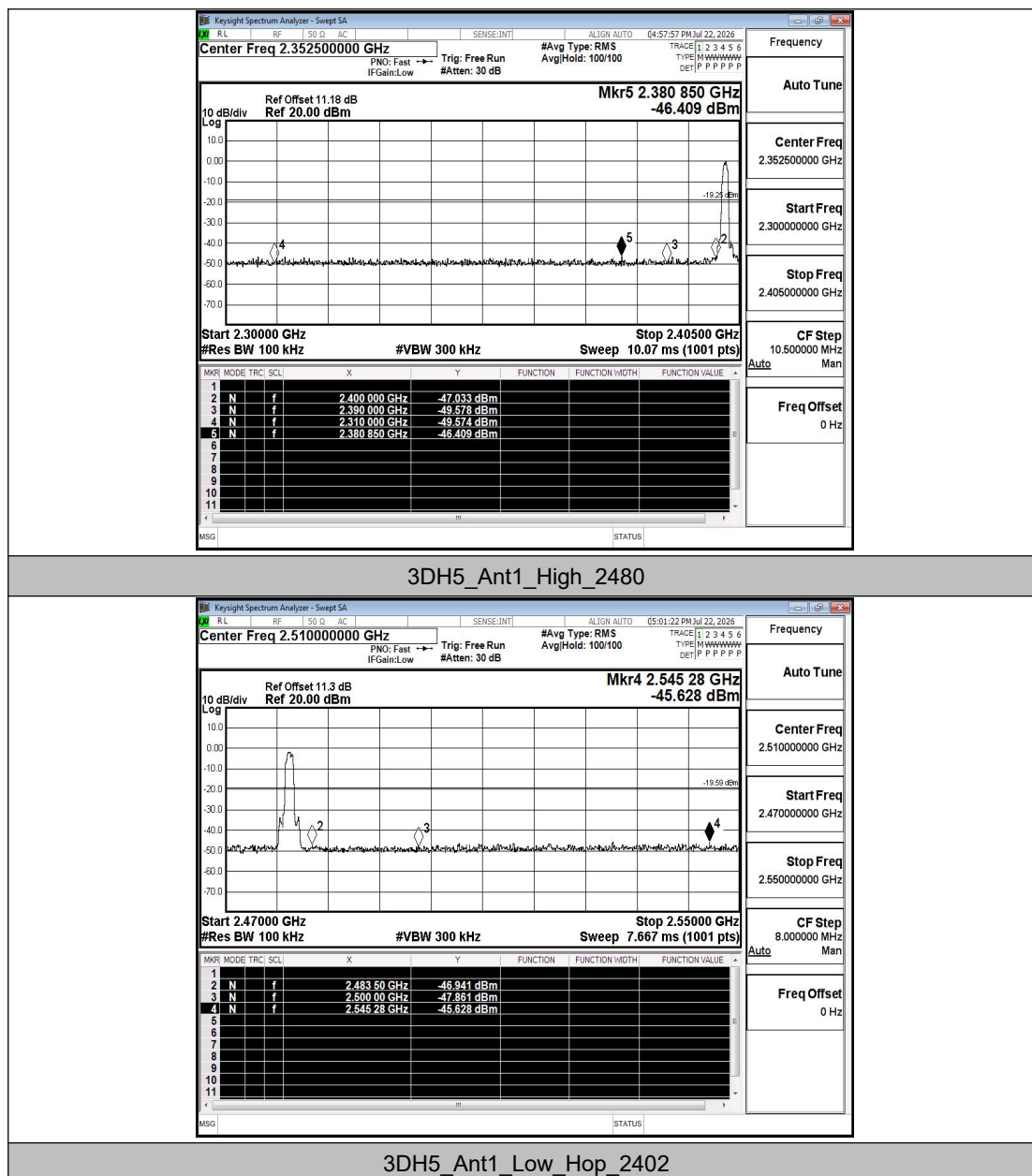
Test Graphs

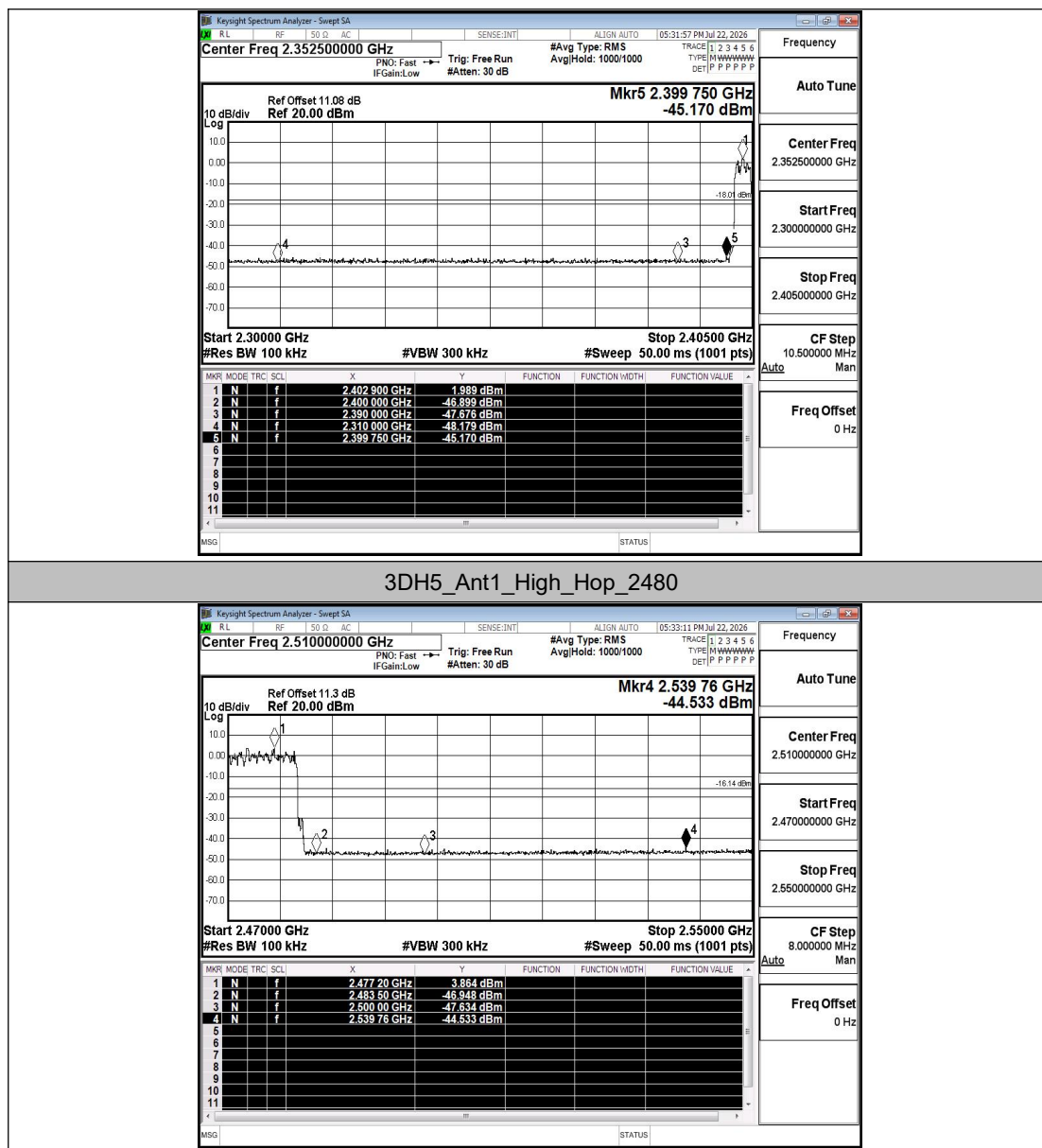












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.11	2.11	---	PASS
			30~1000	2.11	-44.98	≤-17.89	PASS
			1000~26500	2.11	-44.34	≤-17.89	PASS
		2441	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-45.13	≤-17.73	PASS
			1000~26500	2.27	-45.15	≤-17.73	PASS
		2480	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-47.46	≤-19.55	PASS
			1000~26500	0.45	-44.56	≤-19.55	PASS
2DH5	Ant1	2402	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-47.43	≤-19.25	PASS
			1000~26500	0.75	-44.57	≤-19.25	PASS
		2441	Reference	1.68	1.68	---	PASS
			30~1000	1.68	-44.48	≤-18.32	PASS
			1000~26500	1.68	-43.93	≤-18.32	PASS
		2480	Reference	0.45	0.45	---	PASS
			30~1000	0.45	-43.4	≤-19.55	PASS
			1000~26500	0.45	-45.03	≤-19.55	PASS
3DH5	Ant1	2402	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-43.12	≤-19.07	PASS
			1000~26500	0.93	-44.62	≤-19.07	PASS
		2441	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-43.88	≤-18.09	PASS
			1000~26500	1.91	-44.91	≤-18.09	PASS
		2480	Reference	0.61	0.61	---	PASS
			30~1000	0.61	-43.05	≤-19.39	PASS
			1000~26500	0.61	-44.13	≤-19.39	PASS

Test Graphs

