

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Projector

Test Model: T7

Environmental Conditions

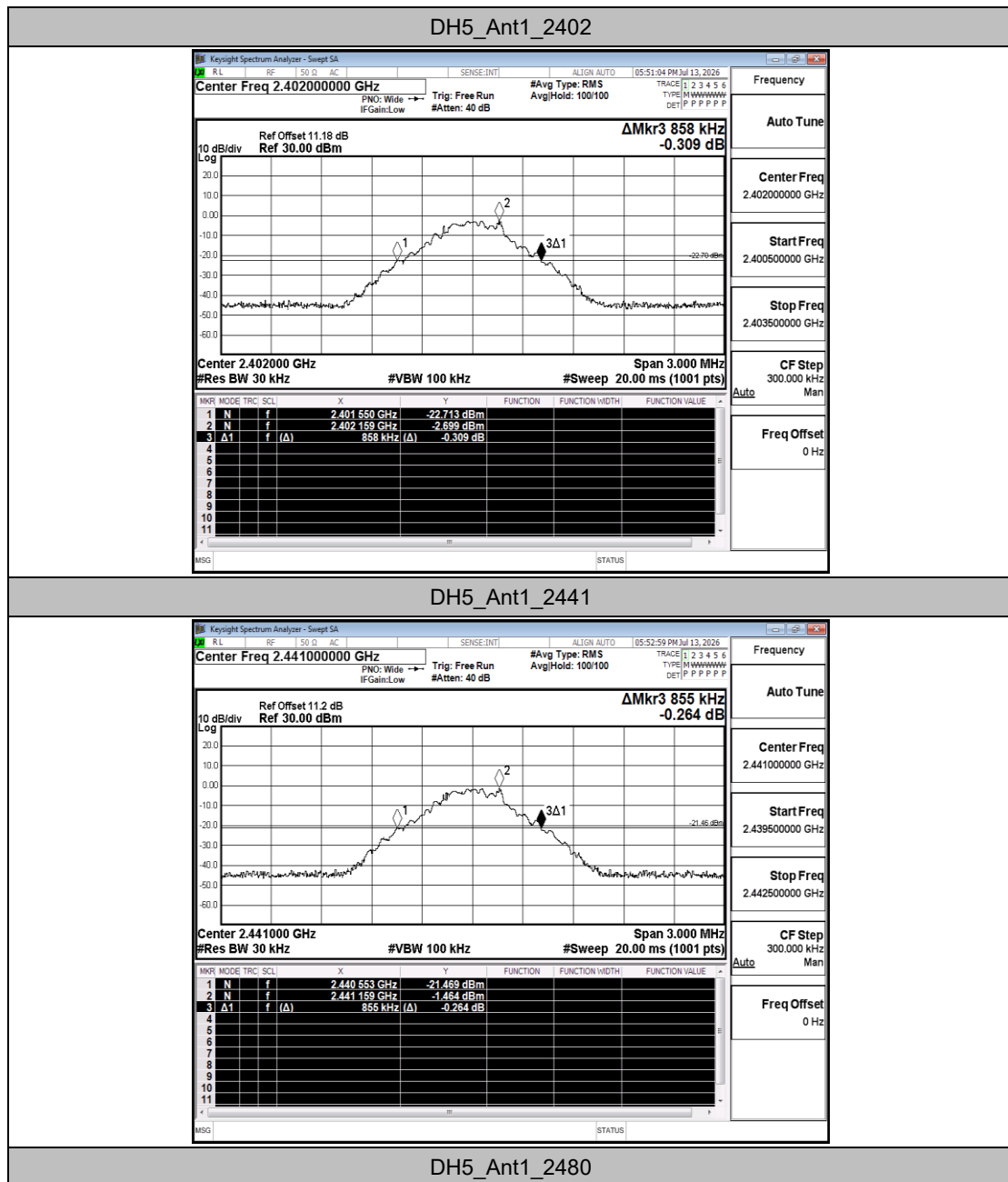
Temperature:	24.3°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

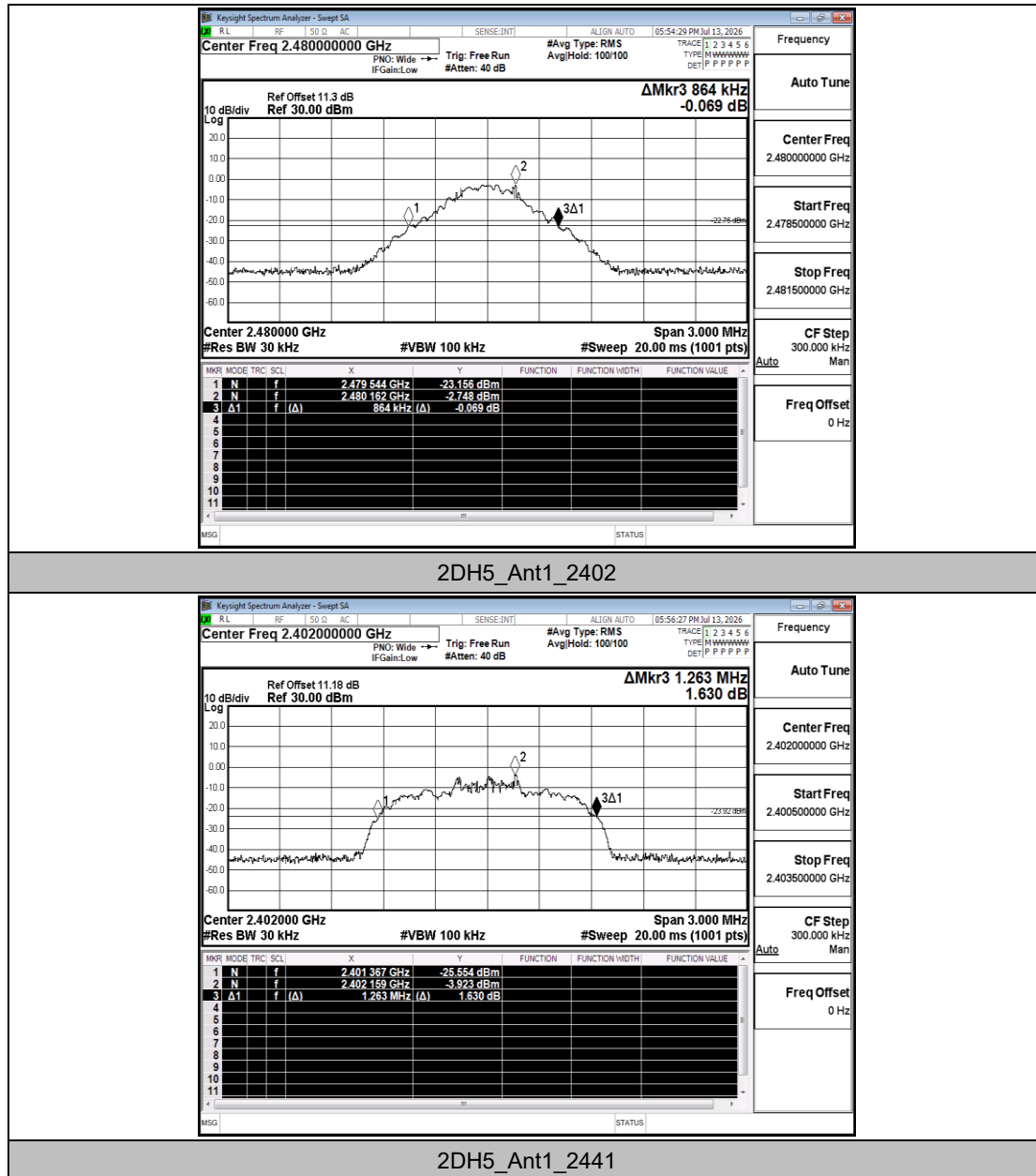
A.1 20dB Emission Bandwidth

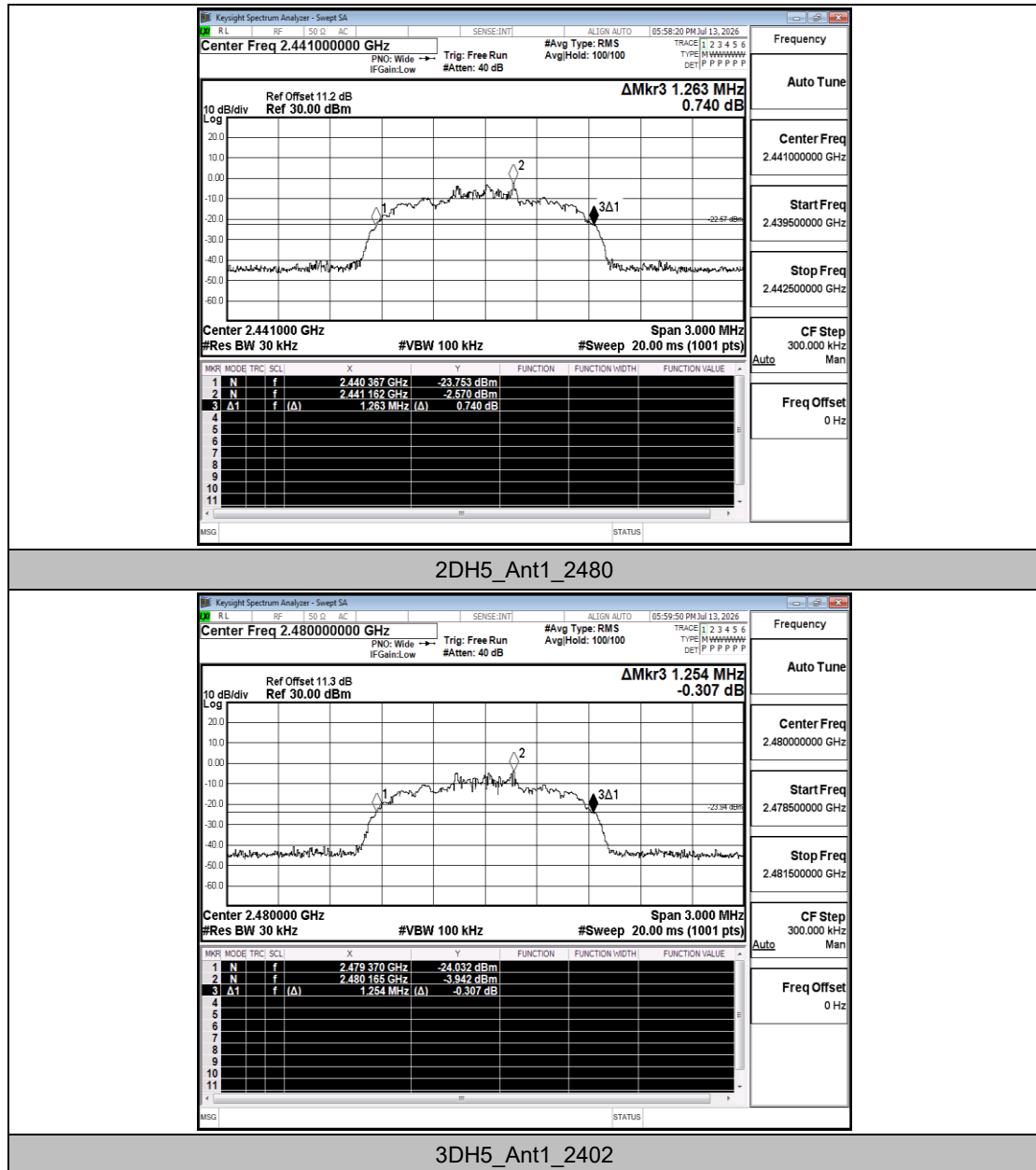
Test Result

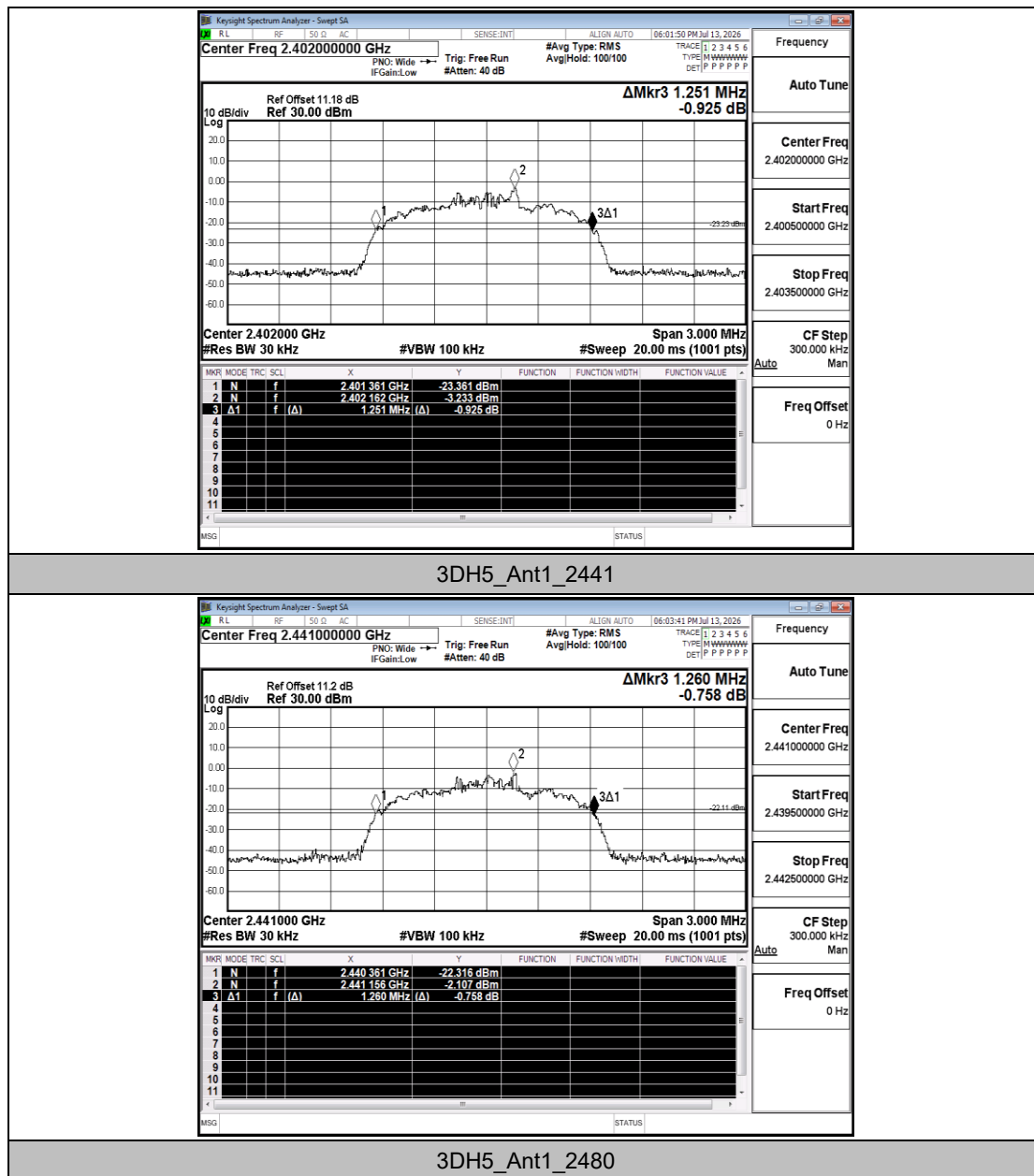
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.858	2401.550	2402.408	---	---
		2441	0.855	2440.553	2441.408	---	---
		2480	0.864	2479.544	2480.408	---	---
2DH5	Ant1	2402	1.263	2401.367	2402.630	---	---
		2441	1.263	2440.367	2441.630	---	---
		2480	1.254	2479.370	2480.624	---	---
3DH5	Ant1	2402	1.251	2401.361	2402.612	---	---
		2441	1.260	2440.361	2441.621	---	---
		2480	1.260	2479.361	2480.621	---	---

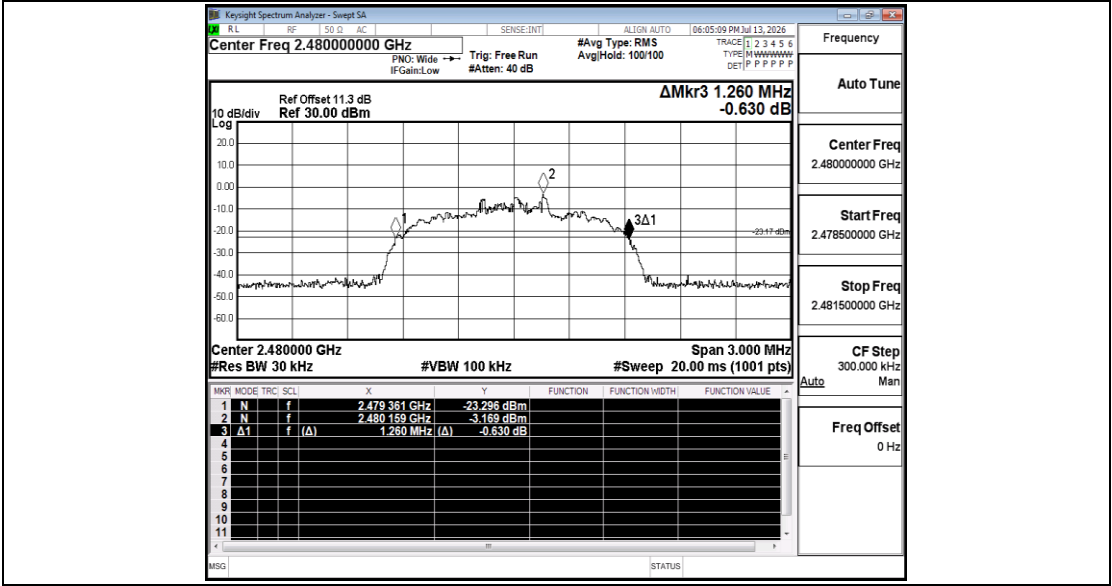
Test Graphs









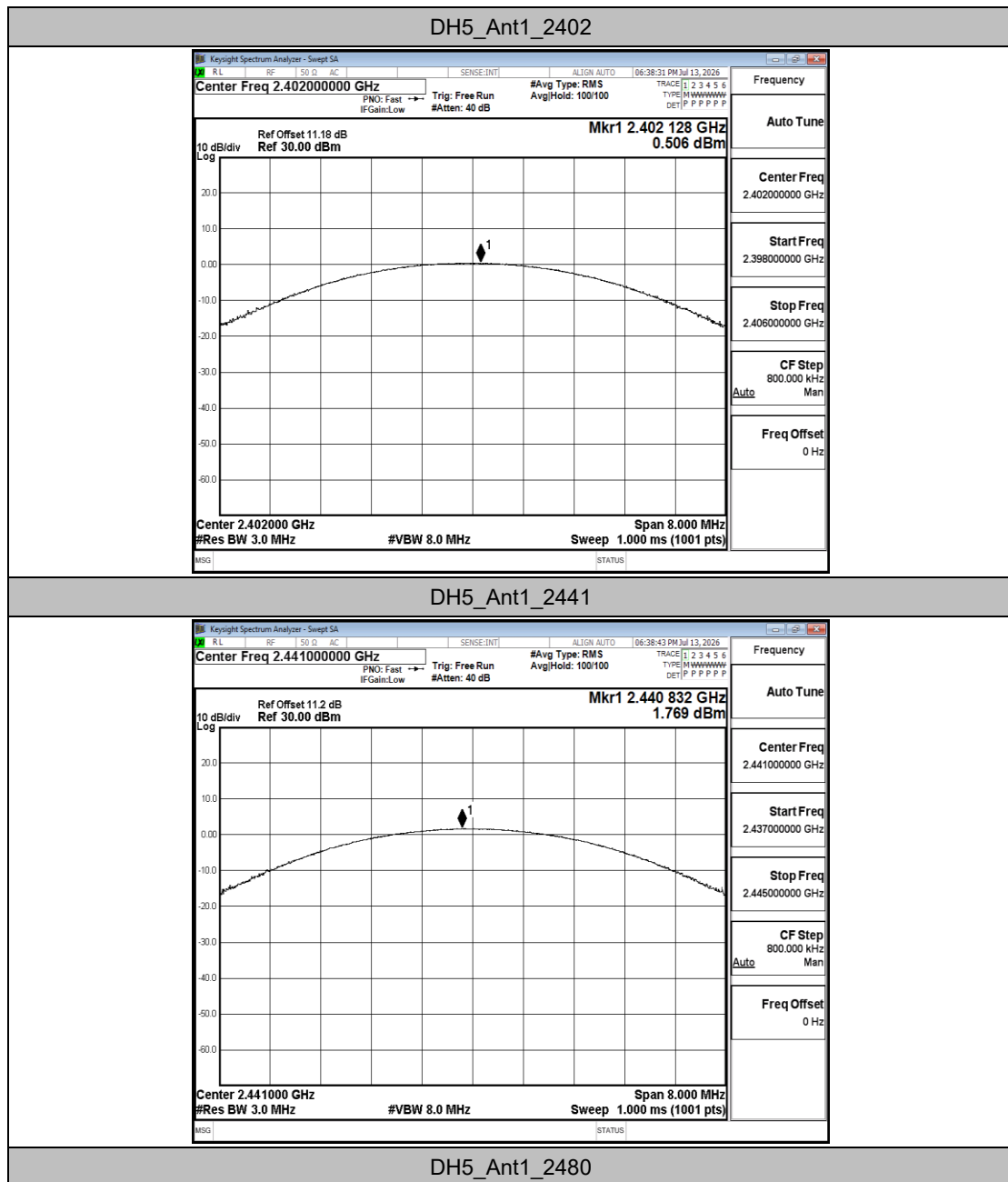


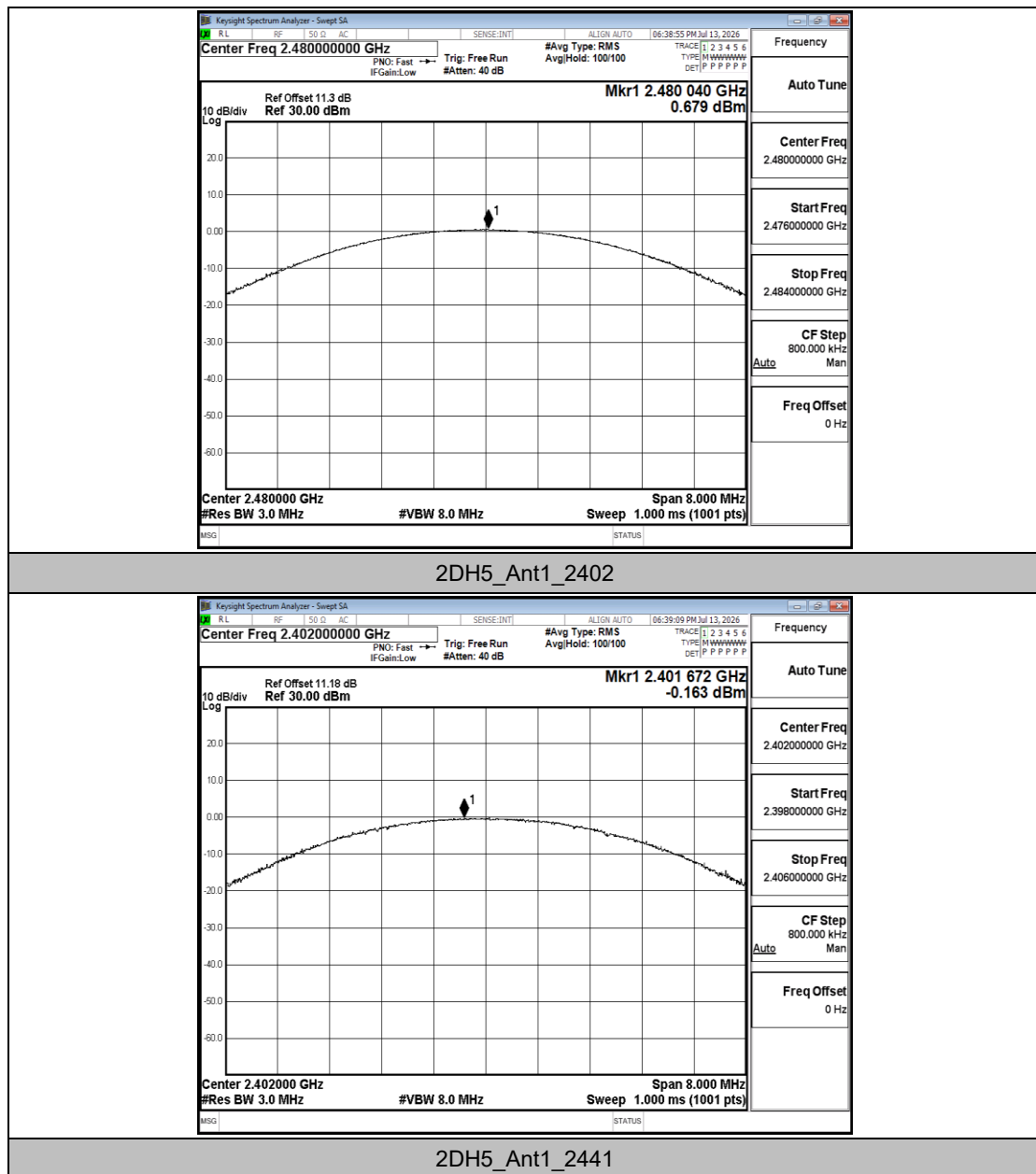
A.2 Maximum Peak conducted output power

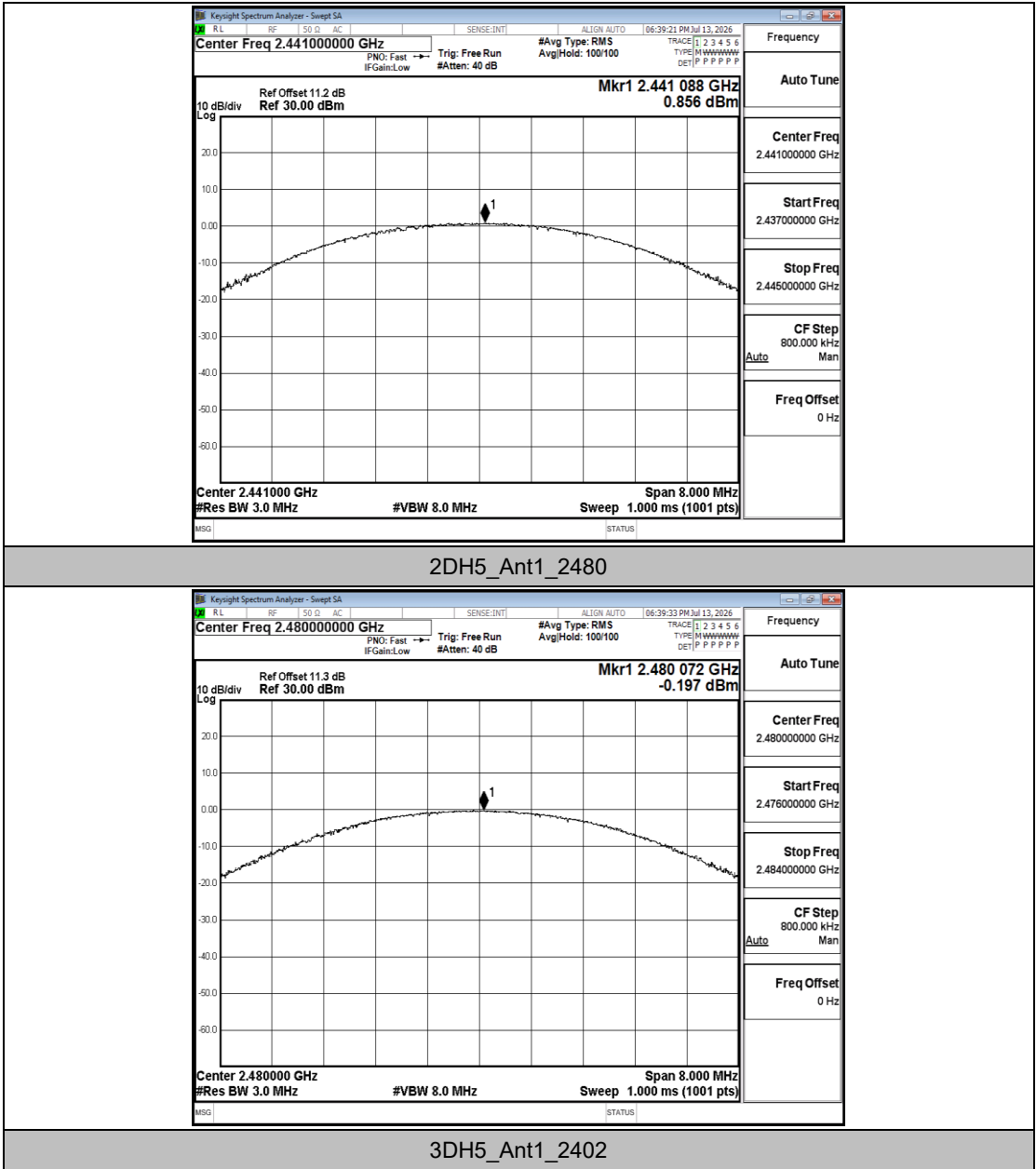
Test Result

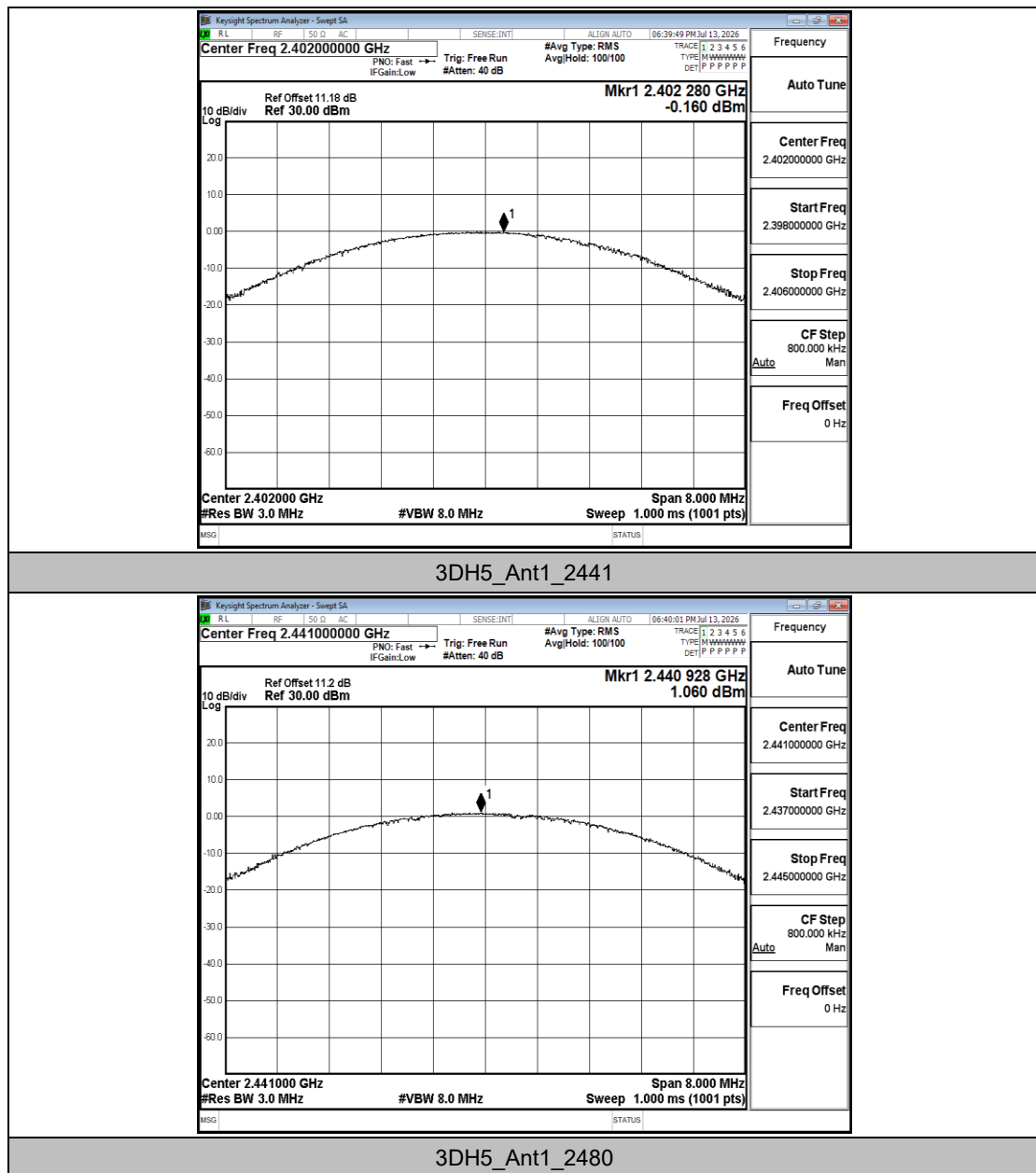
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.51	≤30	PASS
		2441	1.77	≤30	PASS
		2480	0.68	≤30	PASS
2DH5	Ant1	2402	-0.16	≤30	PASS
		2441	0.86	≤30	PASS
		2480	-0.20	≤30	PASS
3DH5	Ant1	2402	-0.16	≤30	PASS
		2441	1.06	≤30	PASS
		2480	-0.19	≤30	PASS

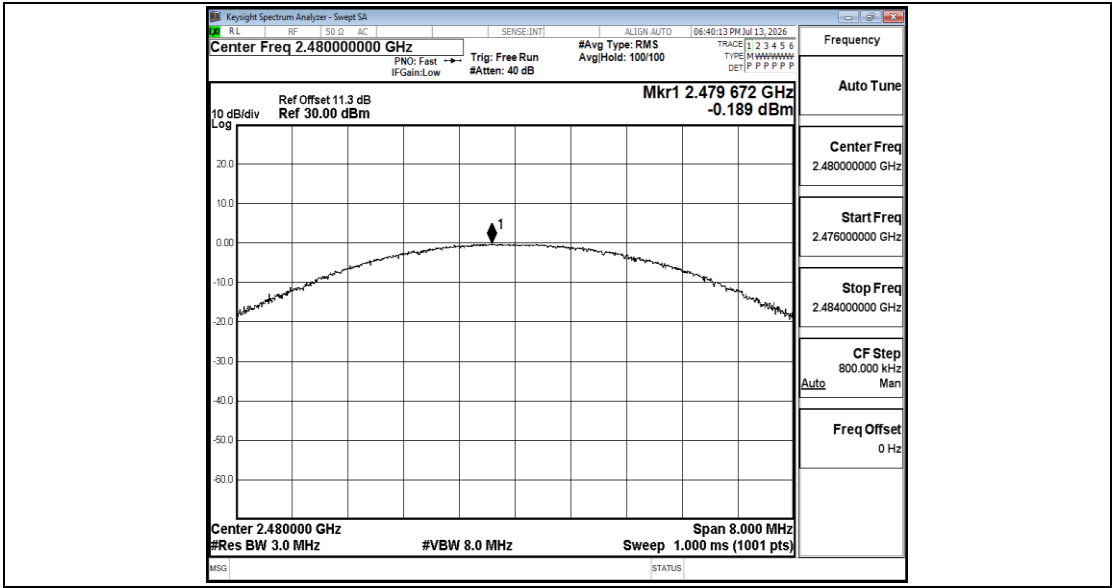
Test Graphs









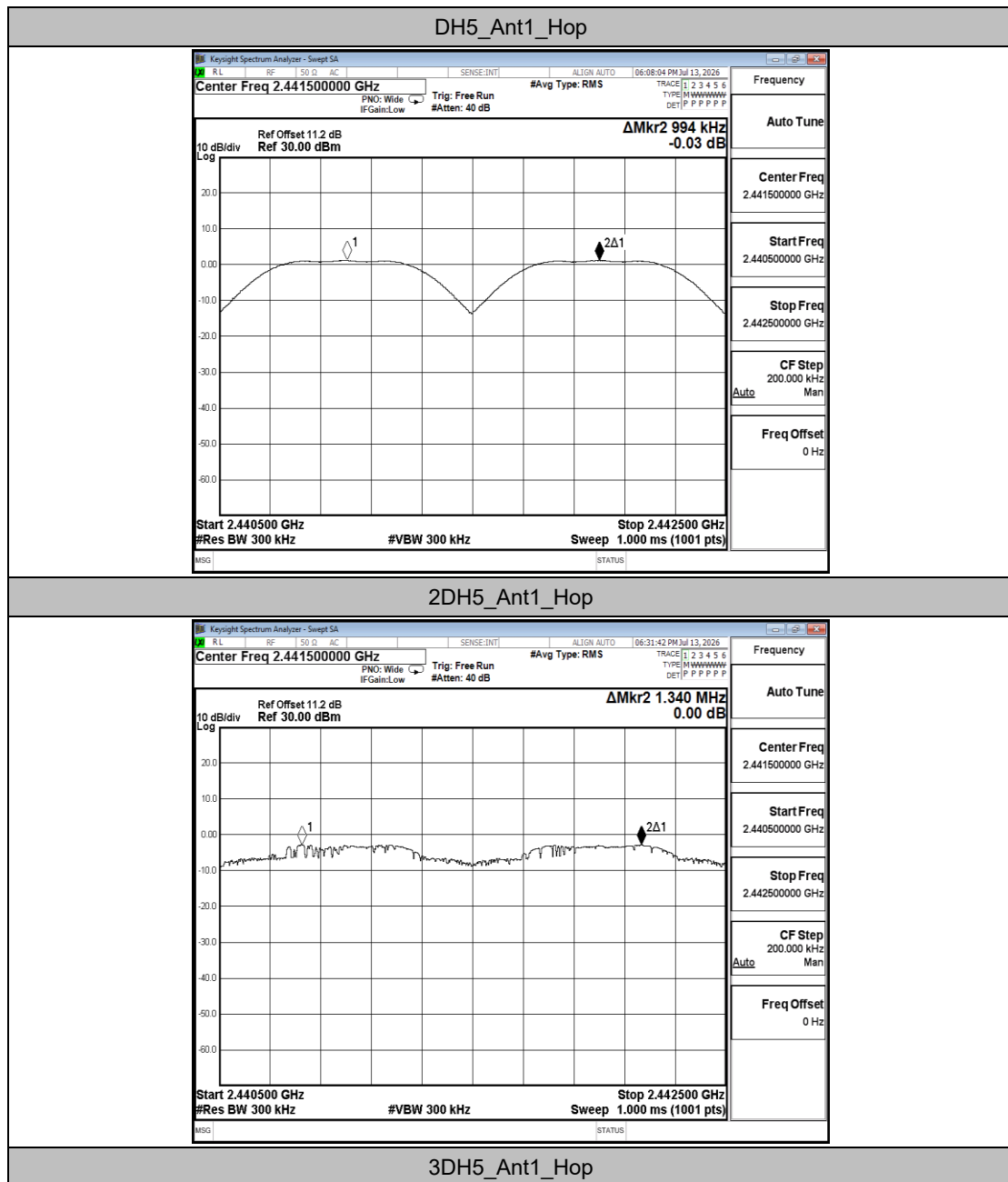


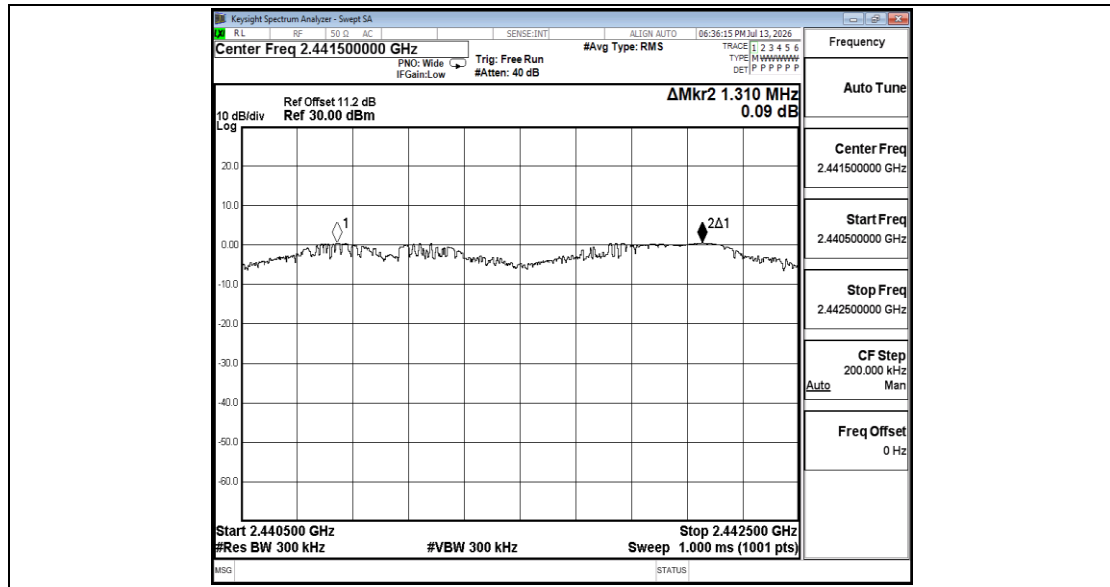
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.576	PASS
2DH5	Ant1	Hop	1.34	≥ 0.842	PASS
3DH5	Ant1	Hop	1.31	≥ 0.840	PASS

Test Graphs



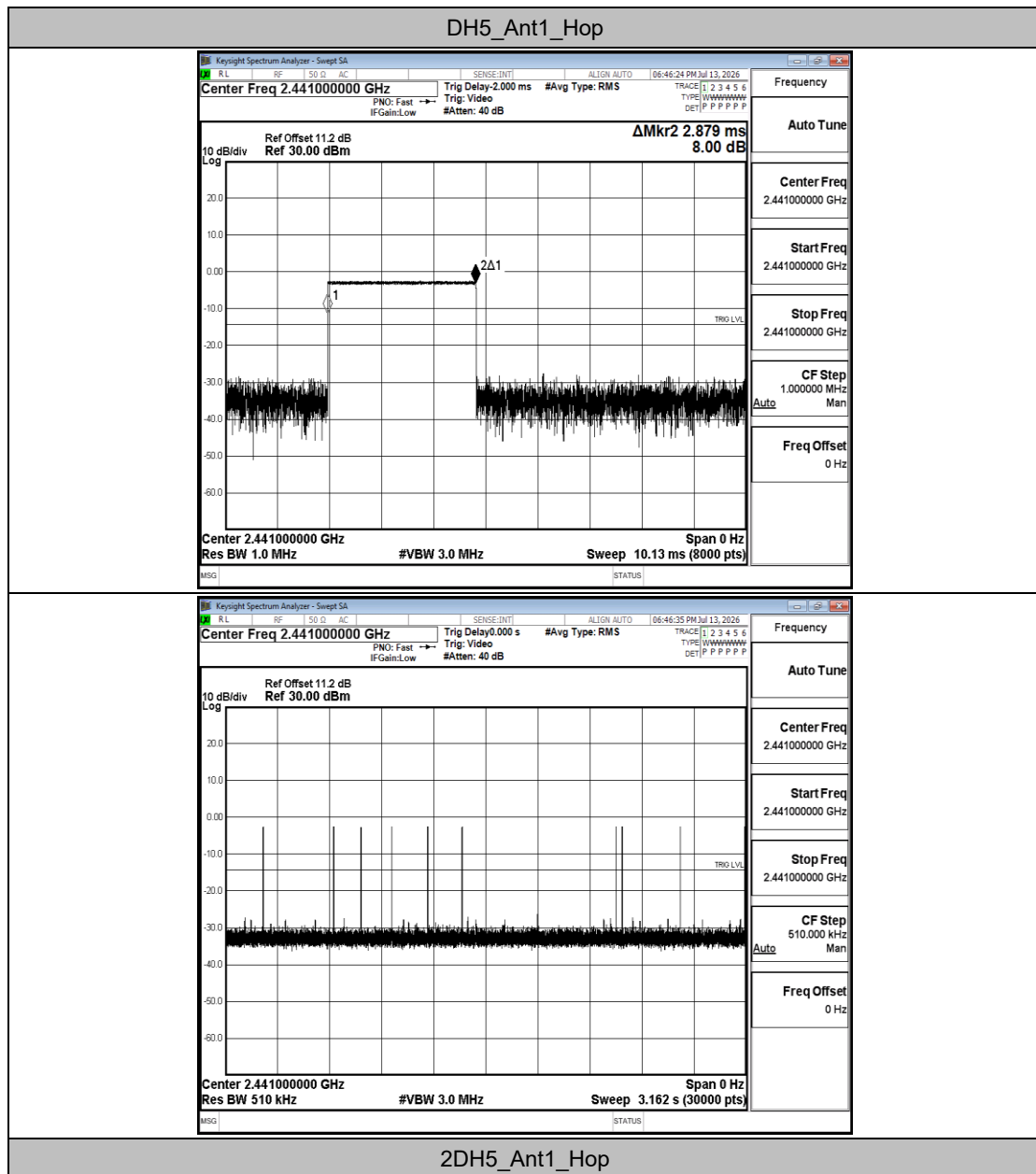


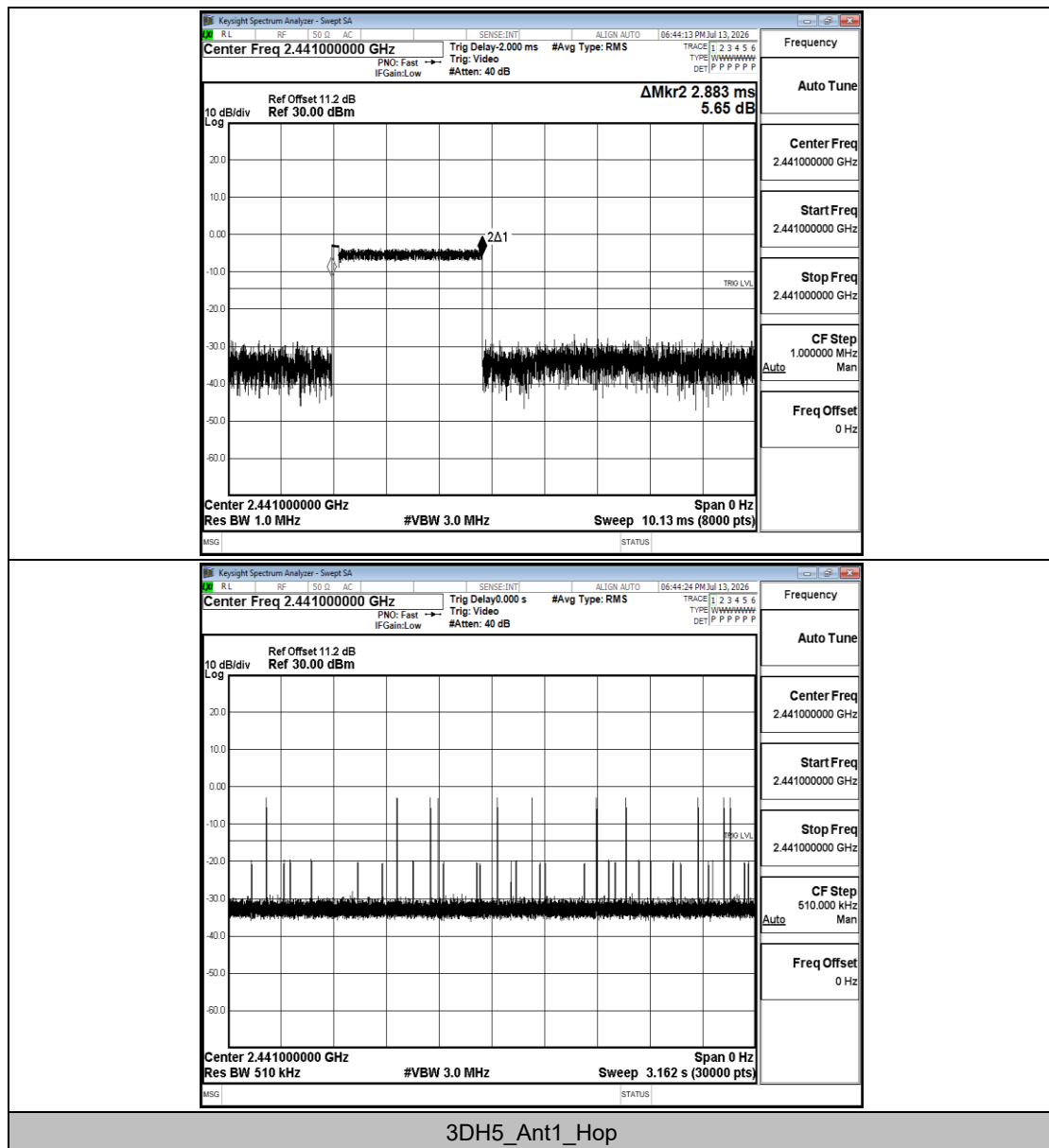
A.4 Time of occupancy

Test Result

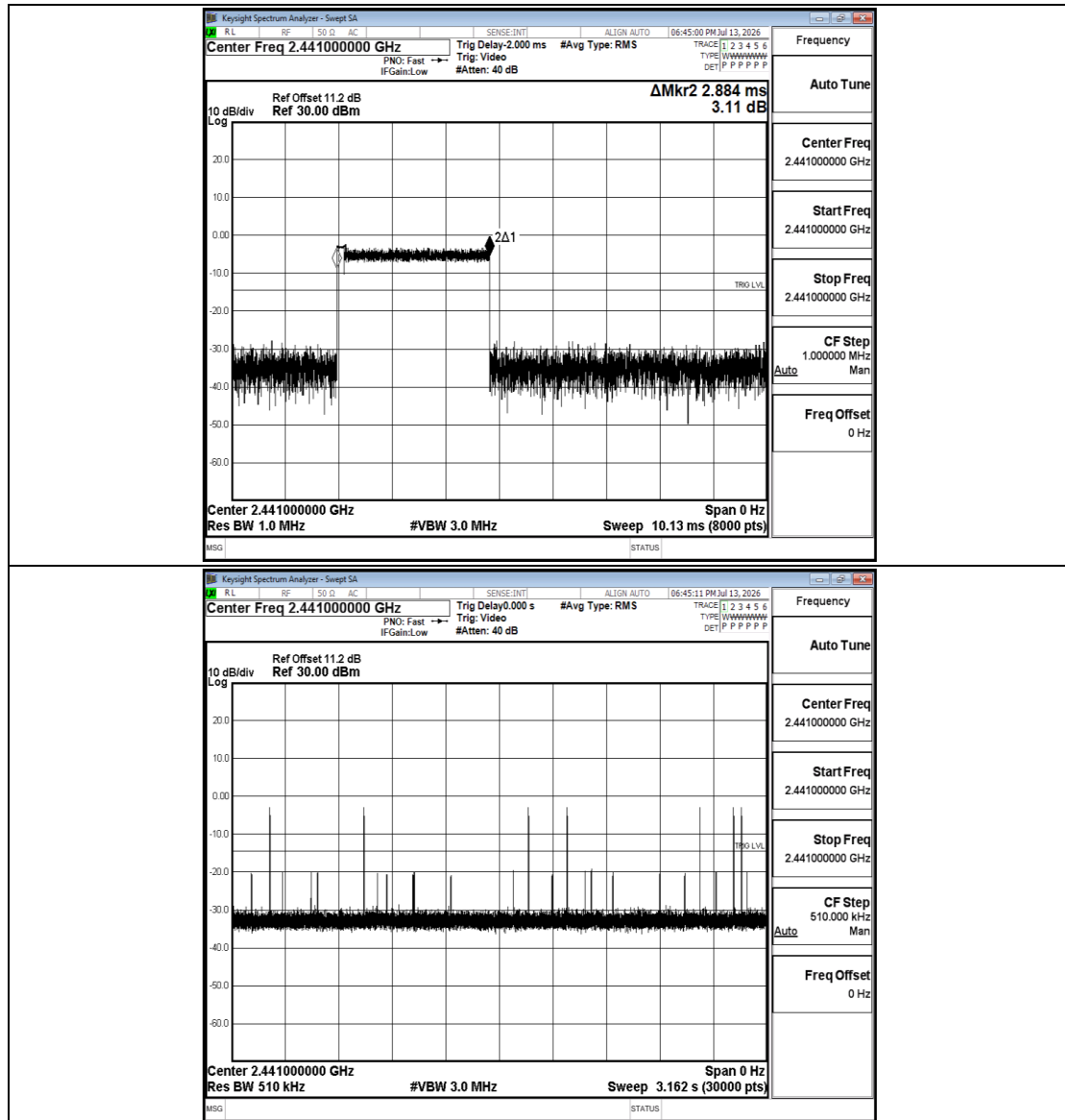
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.883	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.884	80	0.231	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

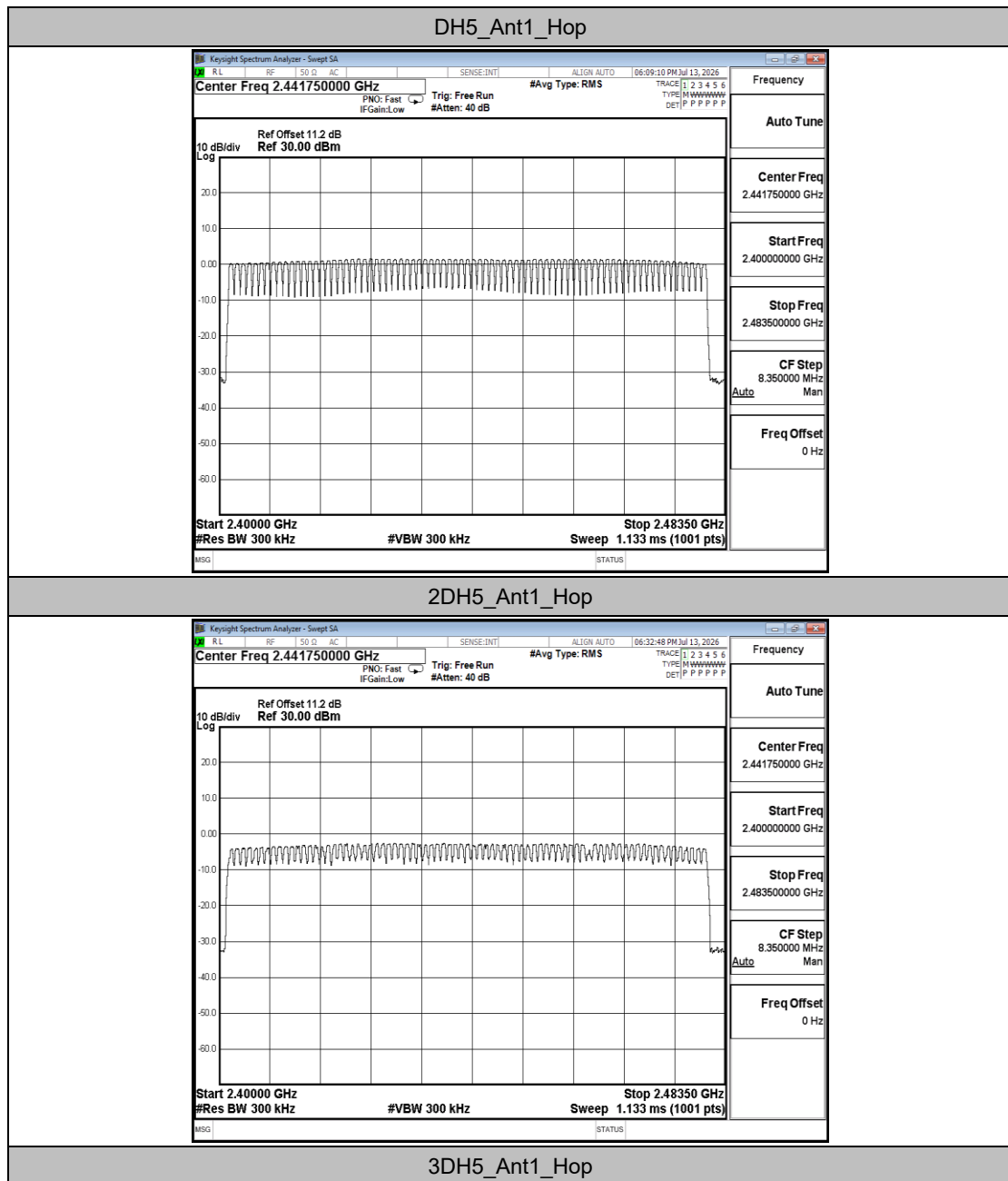


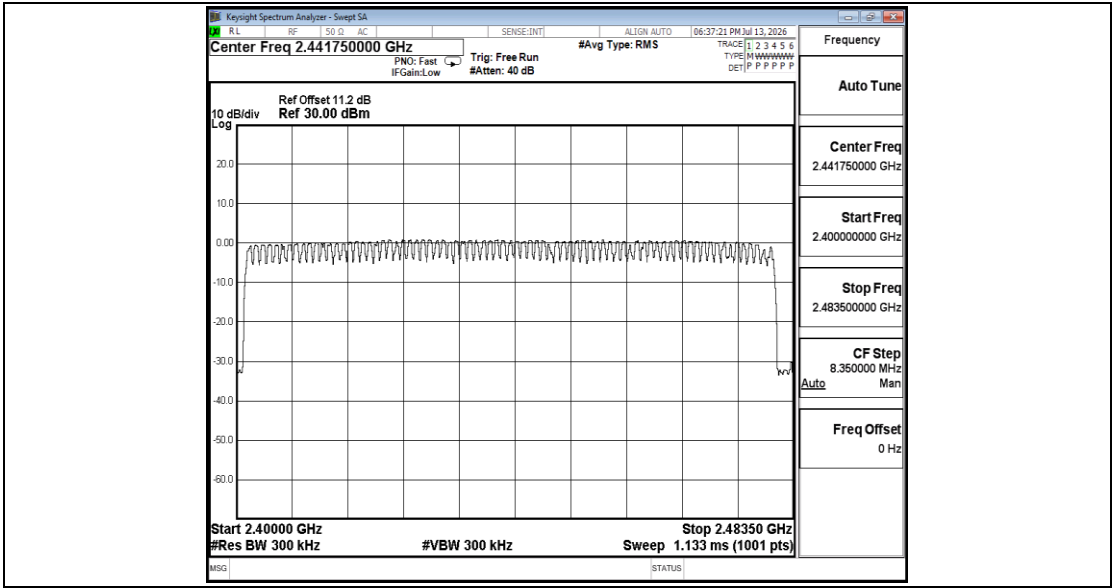
A.5 Number of hopping channels

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



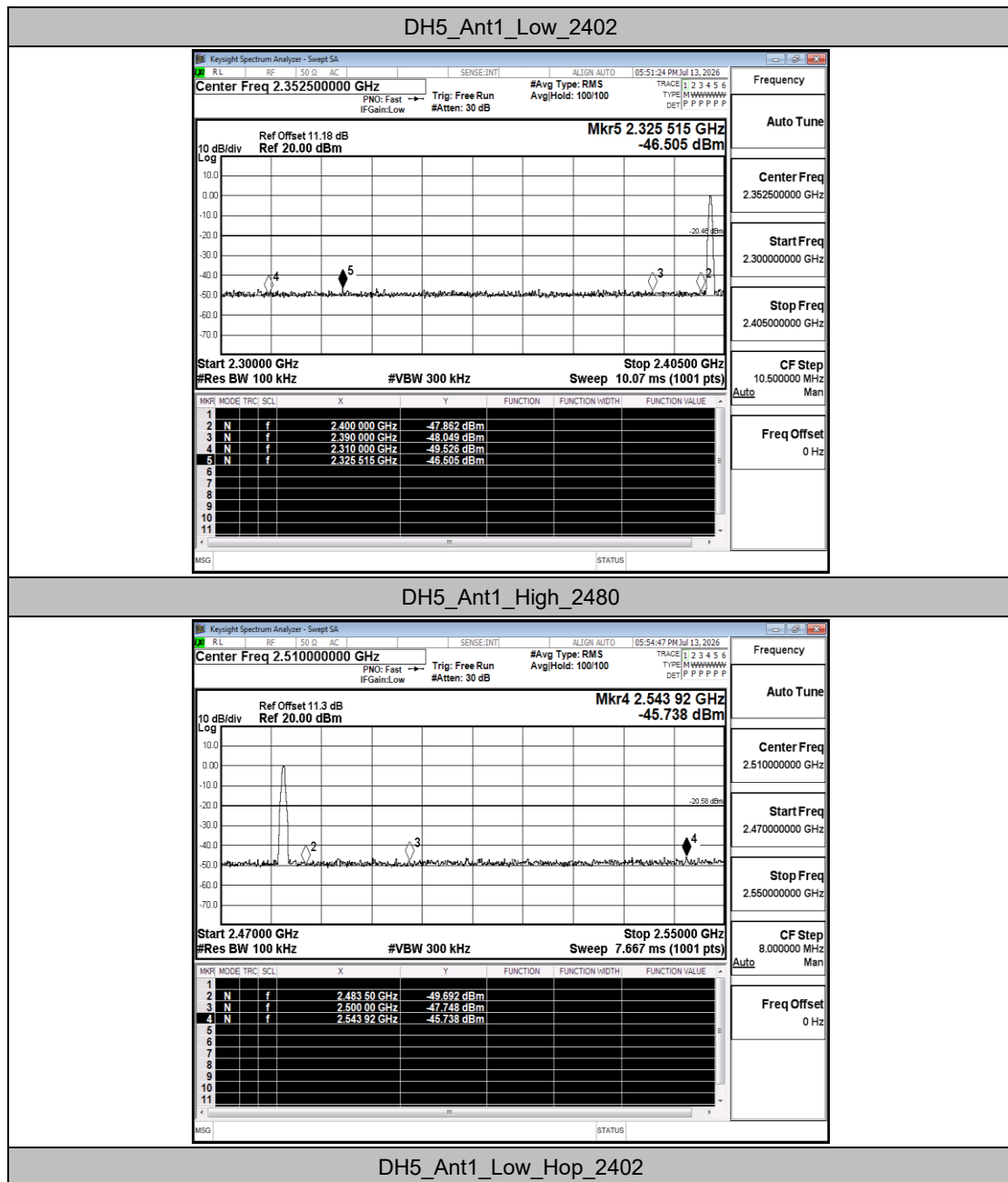


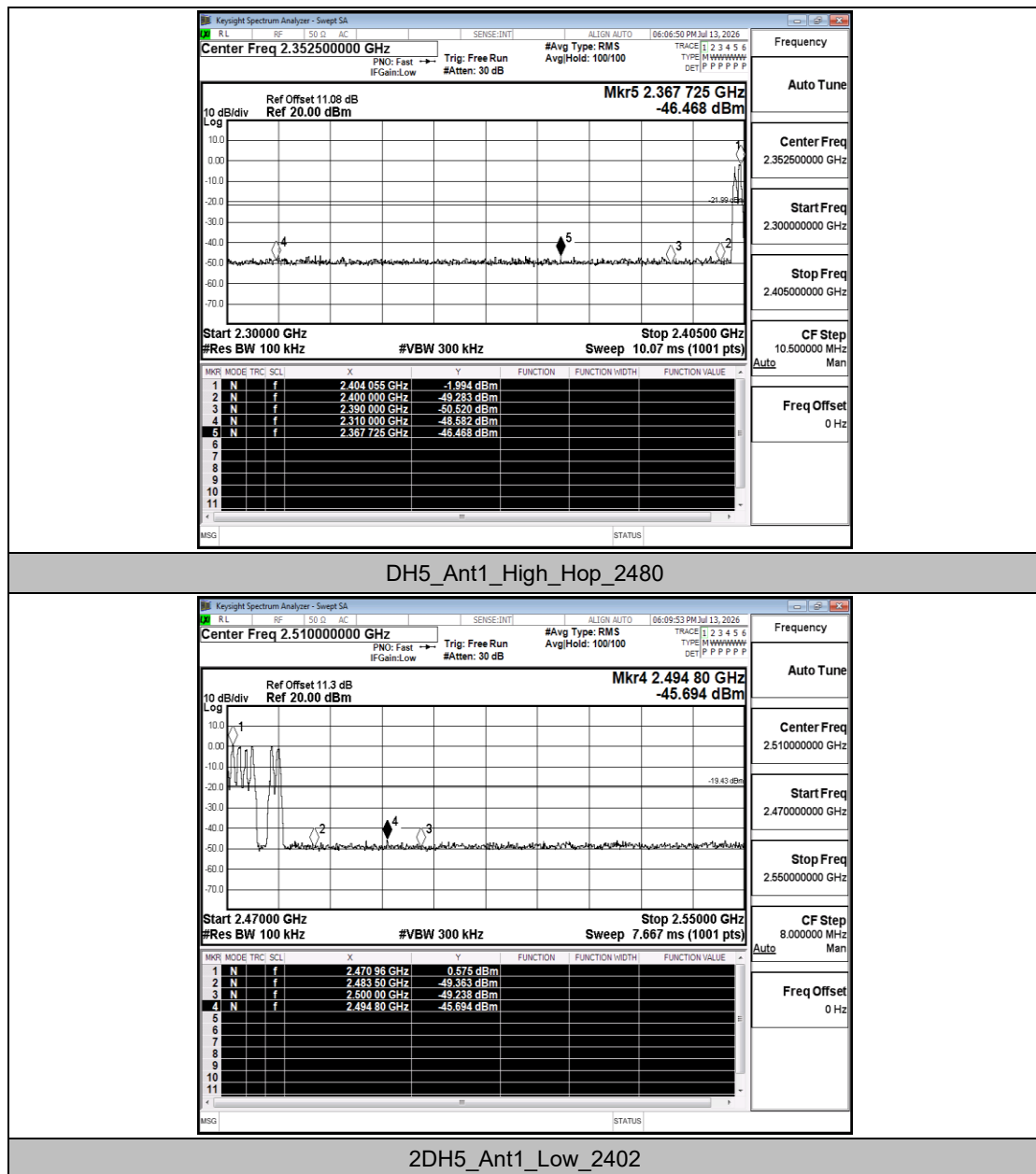
A.6 Band edge measurements

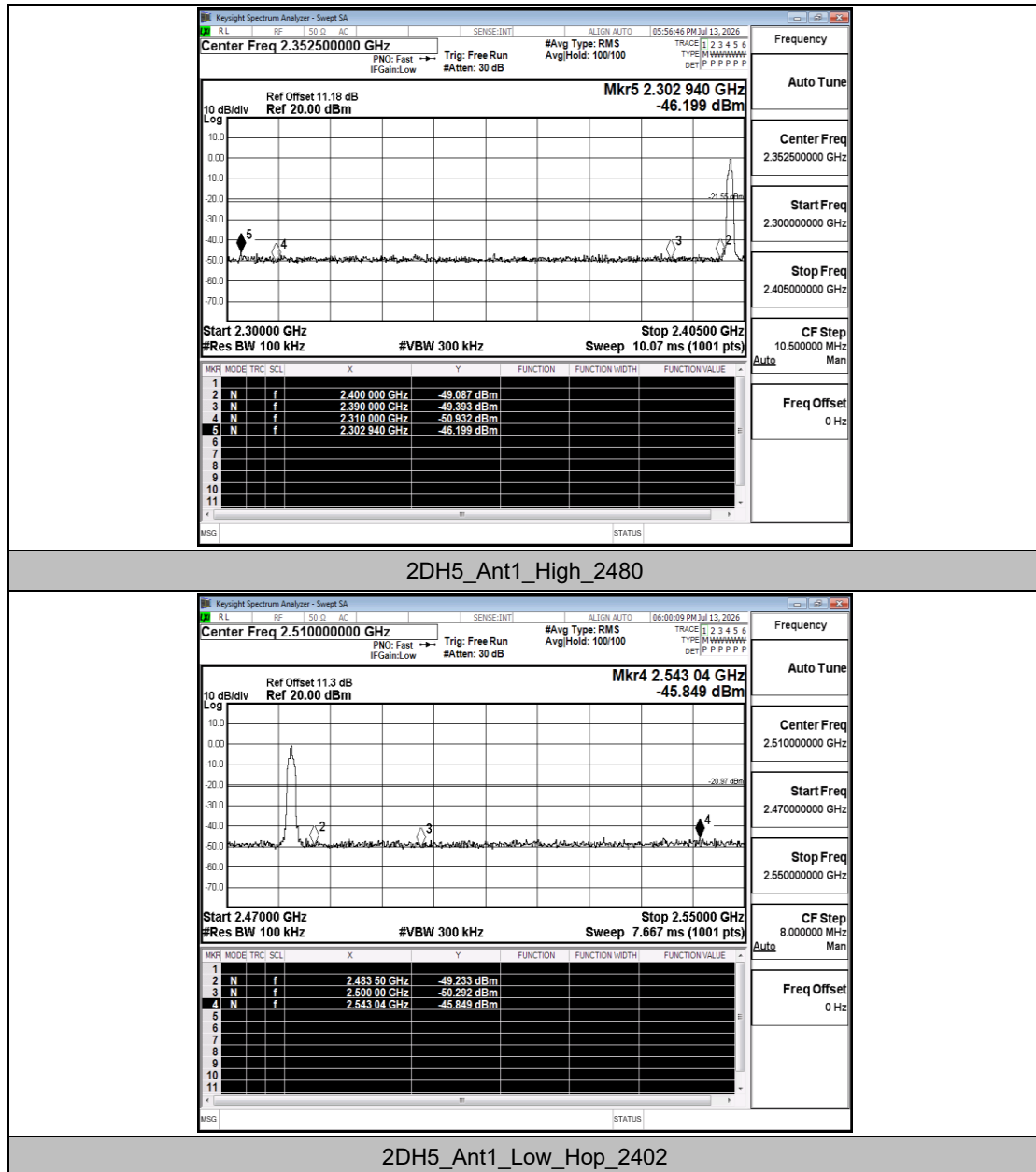
Test Result

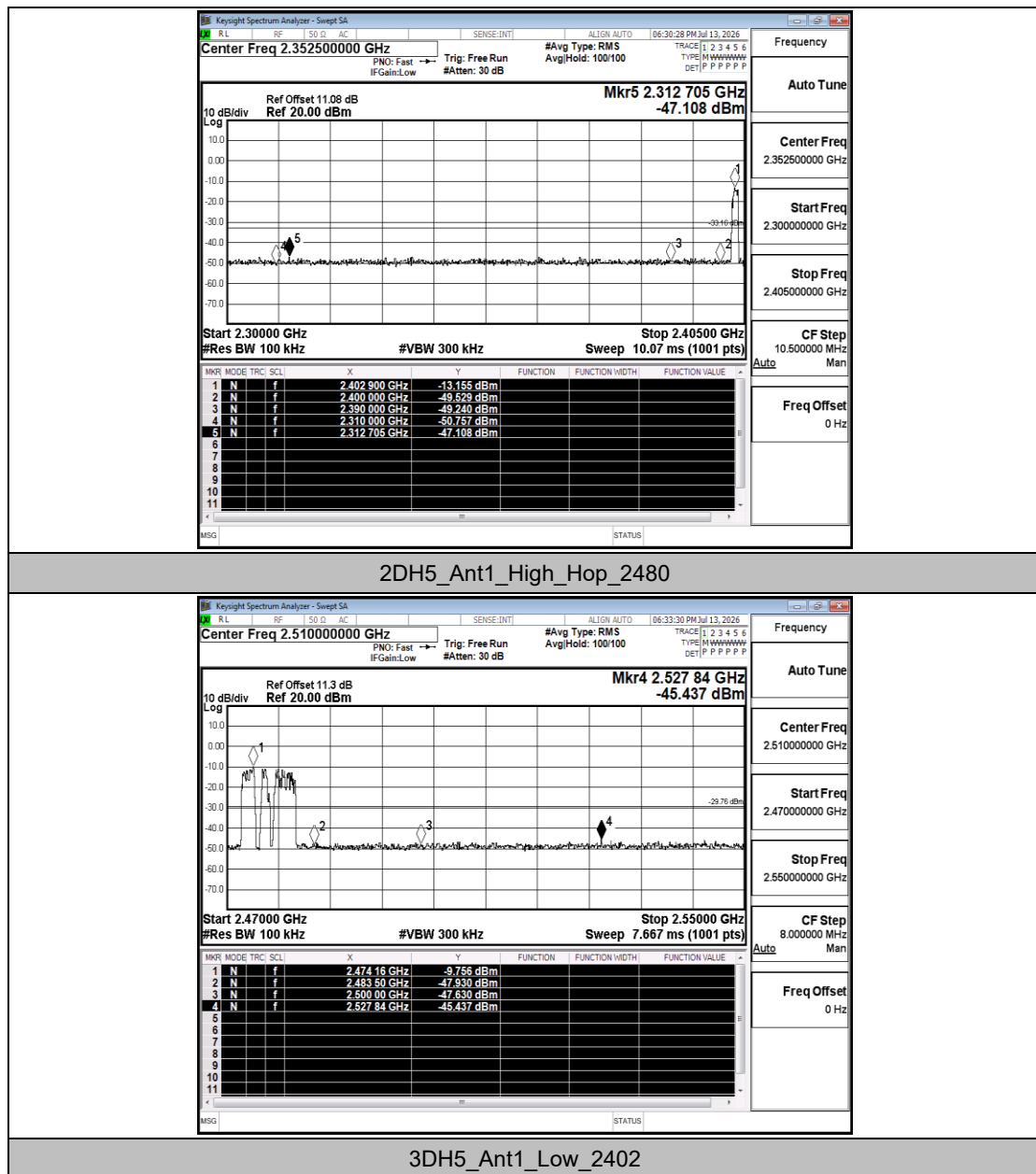
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.46	-46.51	≤ -20.46	PASS
		High	2480	-0.58	-45.74	≤ -20.58	PASS
		Low	Hop_2402	-1.99	-46.47	≤ -21.99	PASS
		High	Hop_2480	0.58	-45.69	≤ -19.43	PASS
2DH5	Ant1	Low	2402	-1.55	-46.2	≤ -21.55	PASS
		High	2480	-0.97	-45.85	≤ -20.97	PASS
		Low	Hop_2402	-13.16	-47.11	≤ -33.16	PASS
		High	Hop_2480	-9.76	-45.44	≤ -29.76	PASS
3DH5	Ant1	Low	2402	-1.74	-46.51	≤ -21.74	PASS
		High	2480	-1.11	-45.77	≤ -21.11	PASS
		Low	Hop_2402	-7.50	-46.49	≤ -27.5	PASS
		High	Hop_2480	-5.83	-45.57	≤ -25.83	PASS

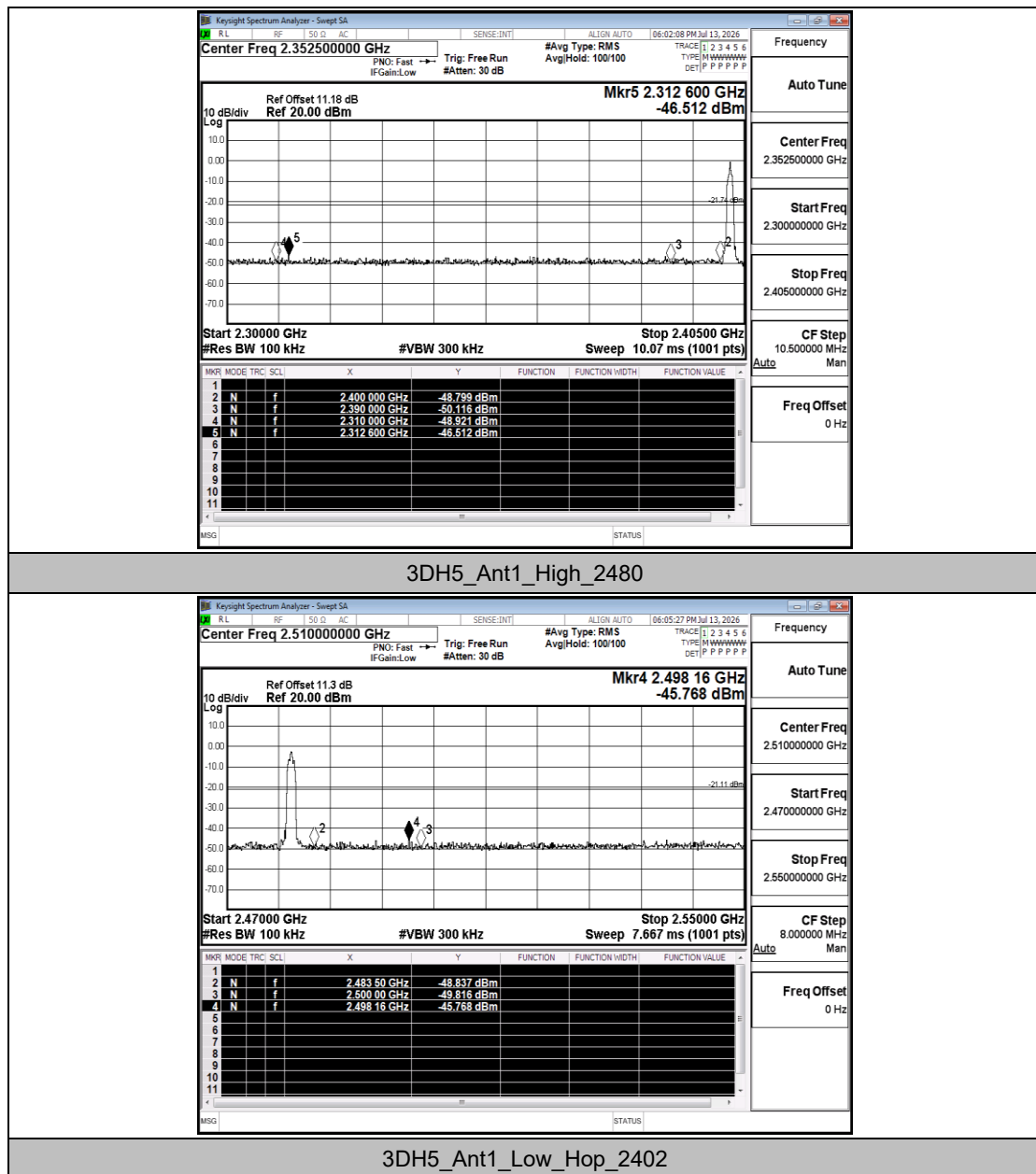
Test Graphs

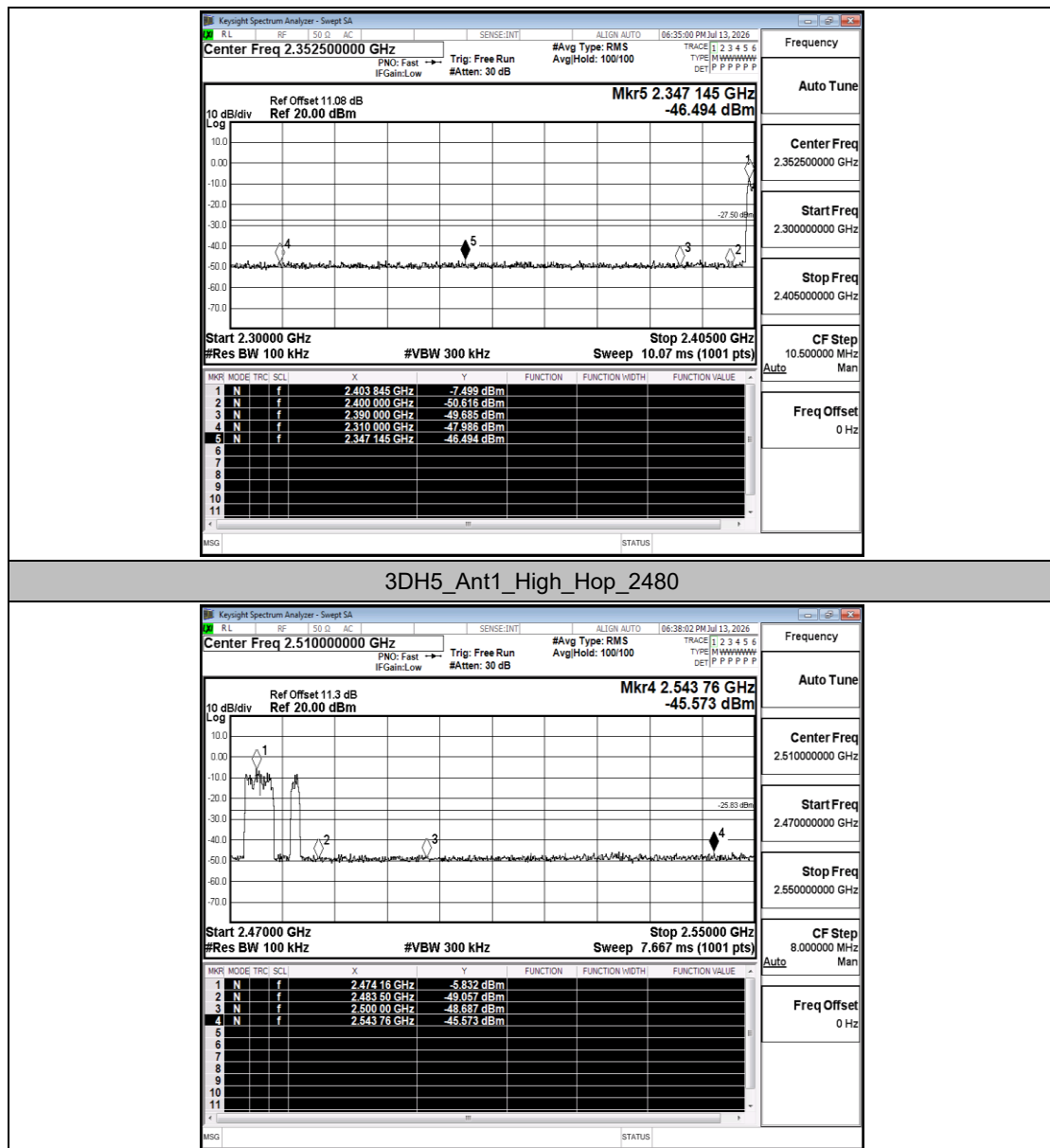












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-69.62	≤-20.37	PASS
			1000~26500	-0.37	-44.67	≤-20.37	PASS
		2441	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-69.63	≤-19.22	PASS
			1000~26500	0.78	-44.04	≤-19.22	PASS
		2480	Reference	-0.31	-0.31	---	PASS
			30~1000	-0.31	-69.63	≤-20.31	PASS
			1000~26500	-0.31	-44.11	≤-20.31	PASS
2DH5	Ant1	2402	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-68.82	≤-20.93	PASS
			1000~26500	-0.93	-44.91	≤-20.93	PASS
		2441	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-70.27	≤-19.66	PASS
			1000~26500	0.34	-44.67	≤-19.66	PASS
		2480	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-70.23	≤-20.79	PASS
			1000~26500	-0.79	-43.83	≤-20.79	PASS
3DH5	Ant1	2402	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-70.41	≤-20.82	PASS
			1000~26500	-0.82	-44.3	≤-20.82	PASS
		2441	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-69.9	≤-19.66	PASS
			1000~26500	0.34	-44.47	≤-19.66	PASS
		2480	Reference	-0.81	-0.81	---	PASS
			30~1000	-0.81	-69.87	≤-20.81	PASS
			1000~26500	-0.81	-44.38	≤-20.81	PASS

Test Graphs

