

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth glasses speaker

Test Model: TXBTSUN26

Environmental Conditions

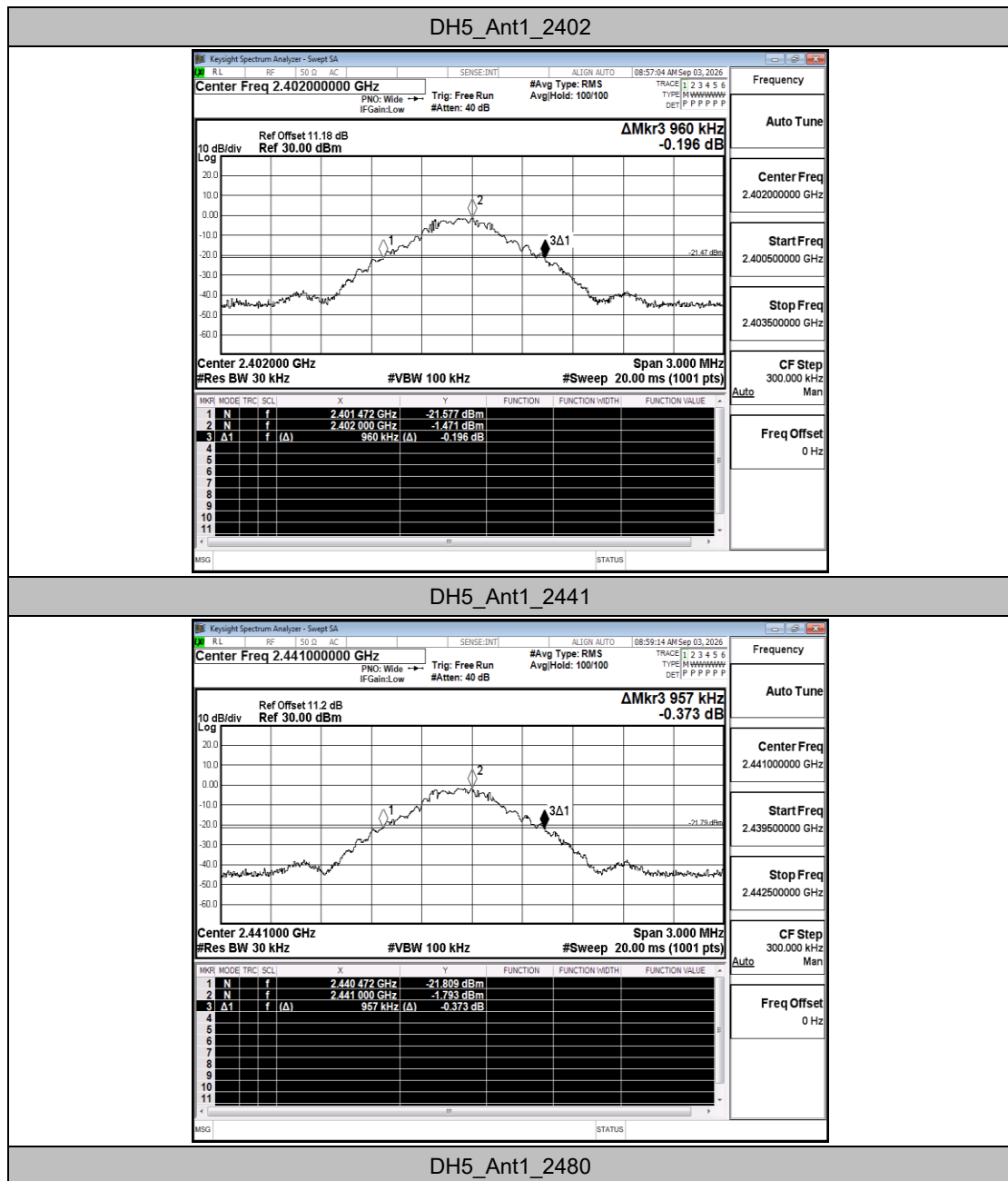
Temperature:	23.5°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

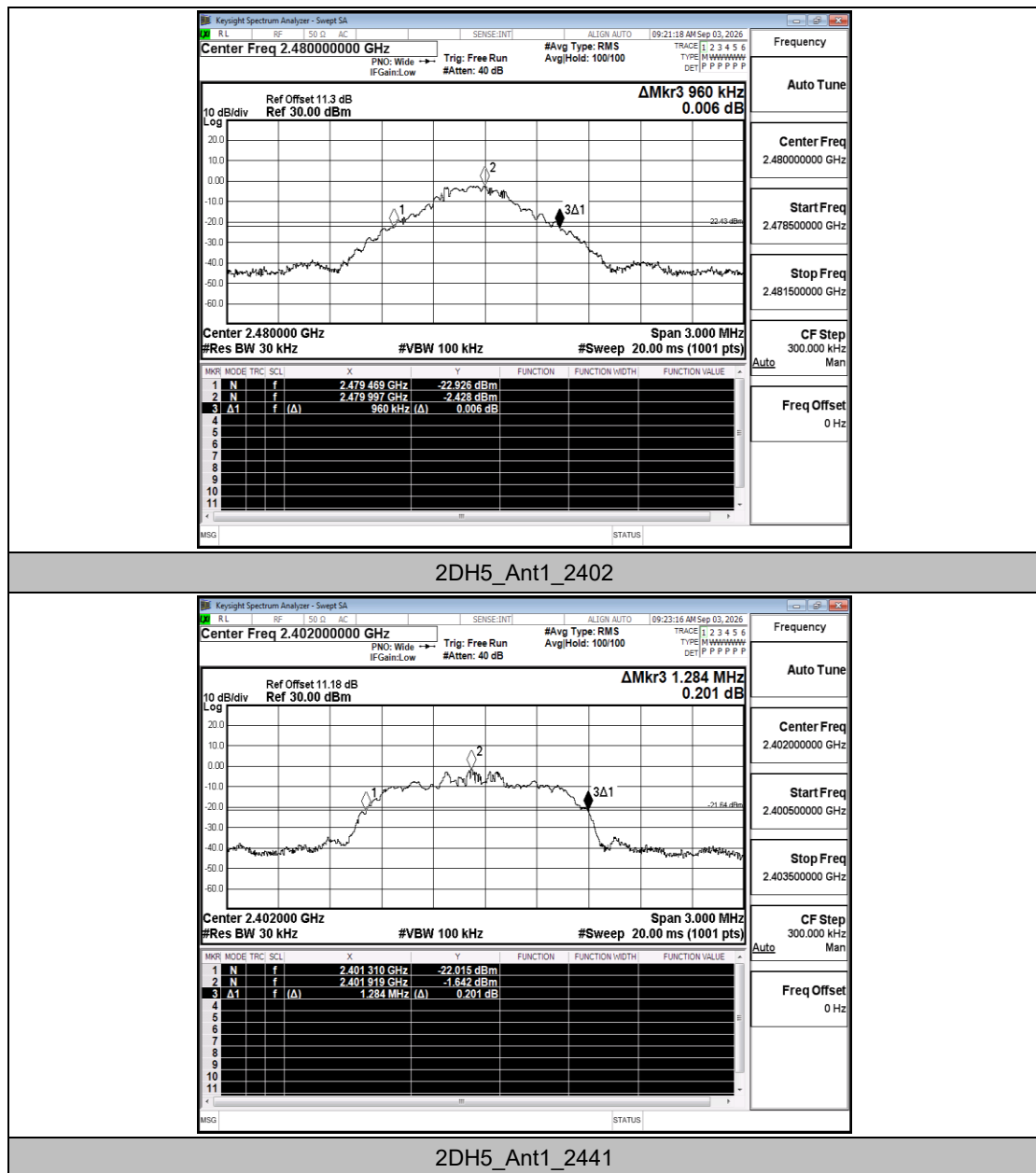
A.1 20dB Emission Bandwidth

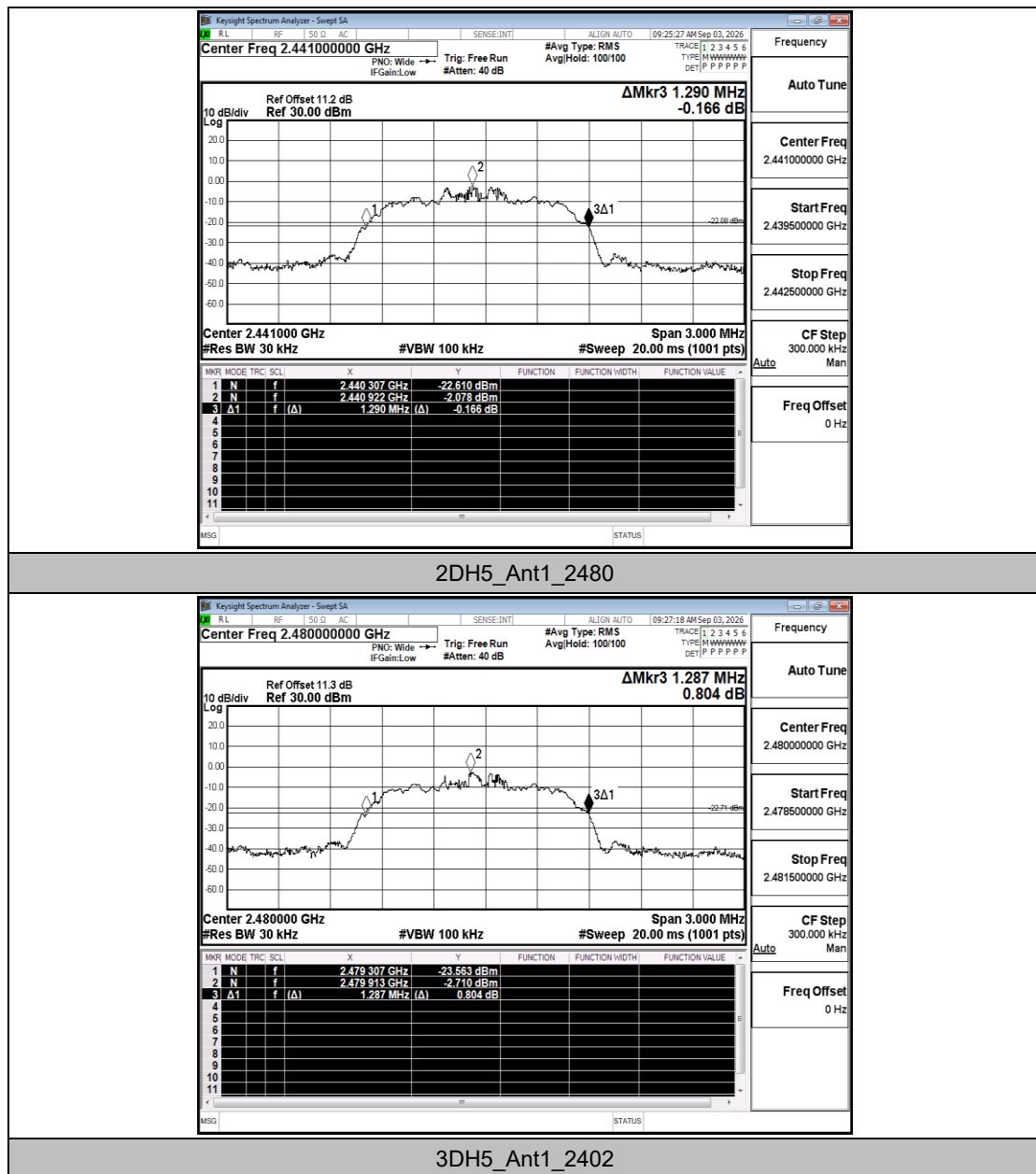
Test Result

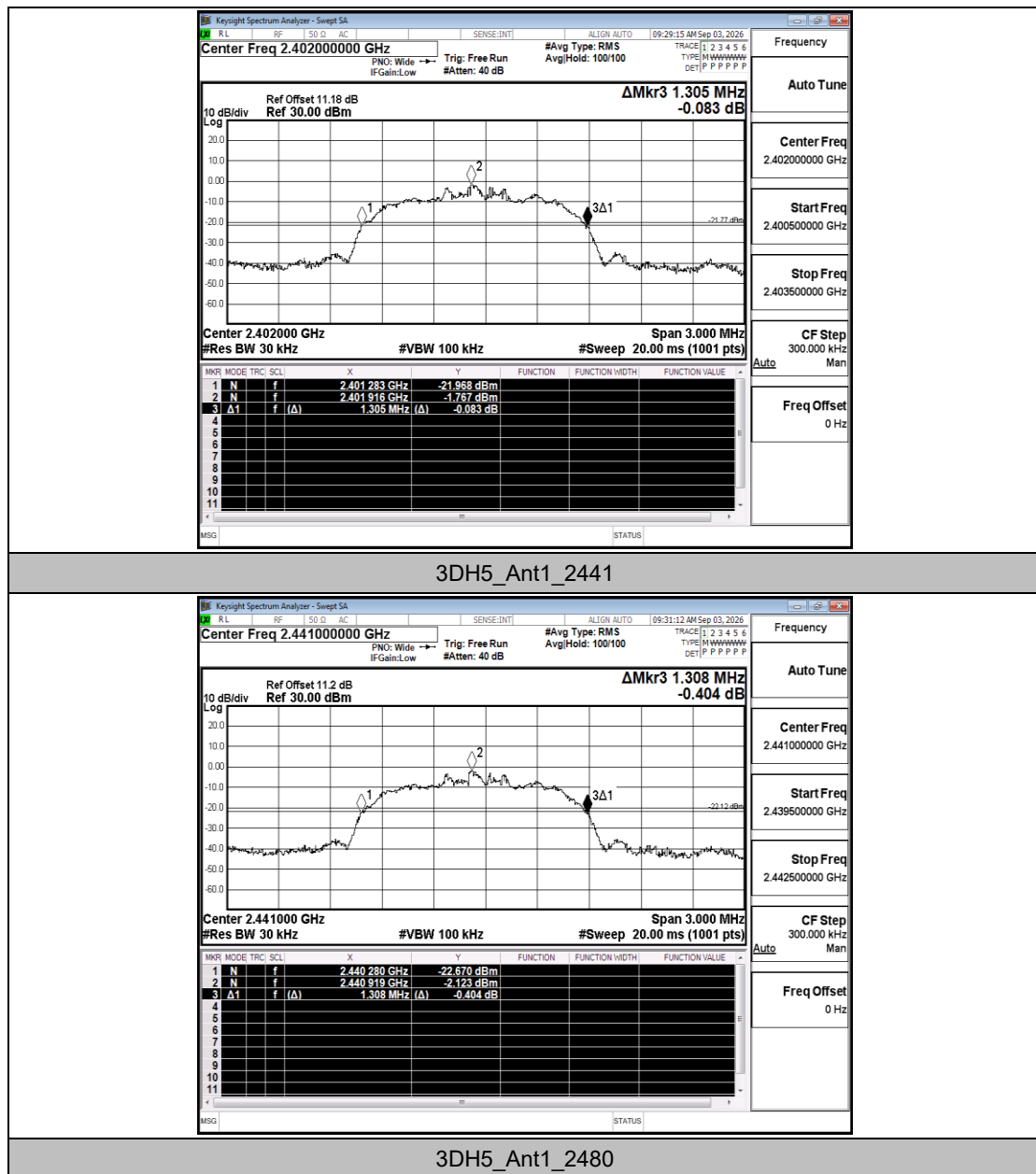
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.960	2401.472	2402.432	---	---
		2441	0.957	2440.472	2441.429	---	---
		2480	0.960	2479.469	2480.429	---	---
2DH5	Ant1	2402	1.284	2401.310	2402.594	---	---
		2441	1.290	2440.307	2441.597	---	---
		2480	1.287	2479.307	2480.594	---	---
3DH5	Ant1	2402	1.305	2401.283	2402.588	---	---
		2441	1.308	2440.280	2441.588	---	---
		2480	1.305	2479.283	2480.588	---	---

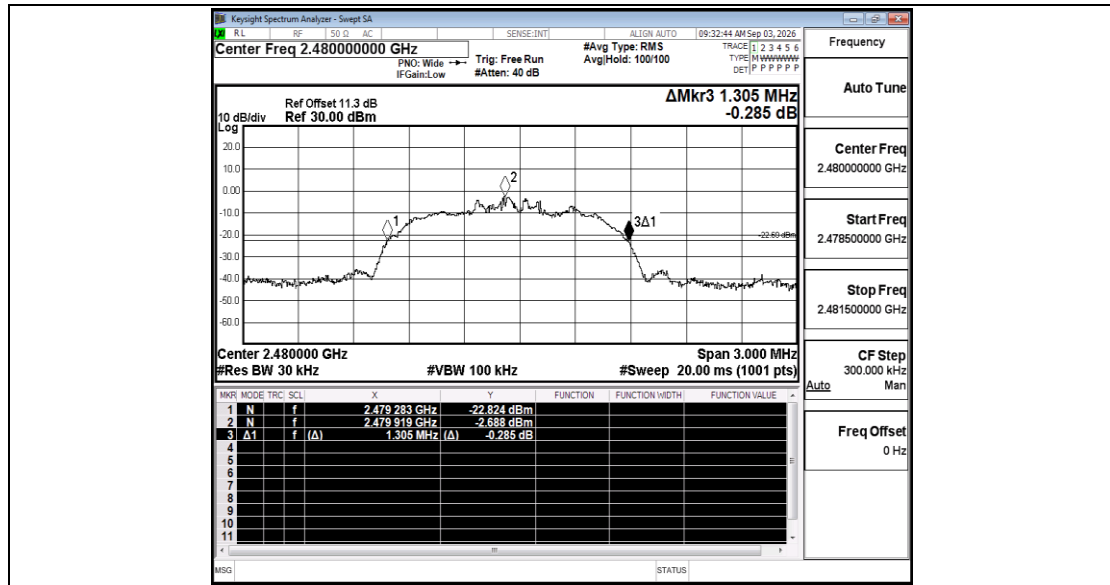
Test Graphs









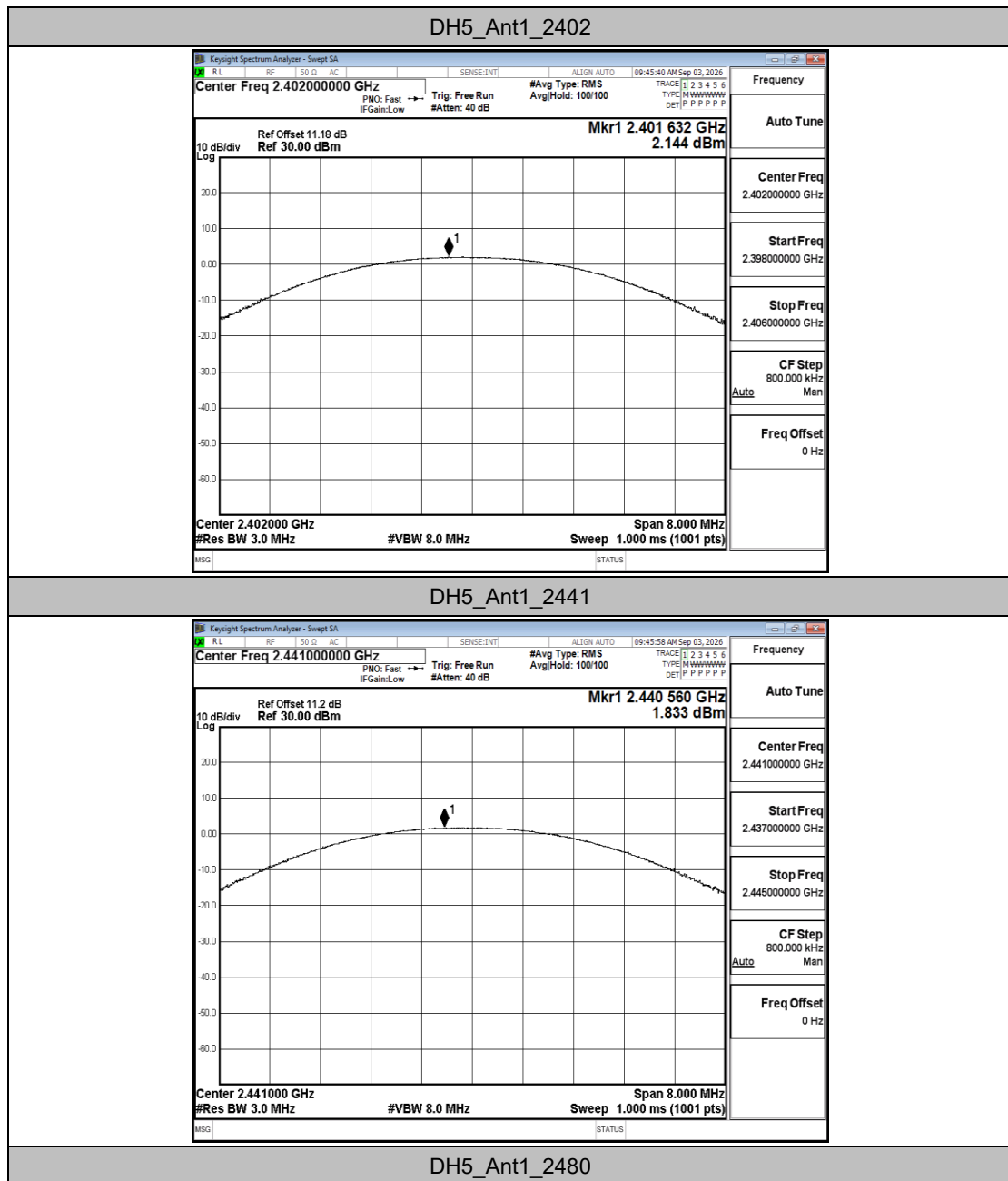


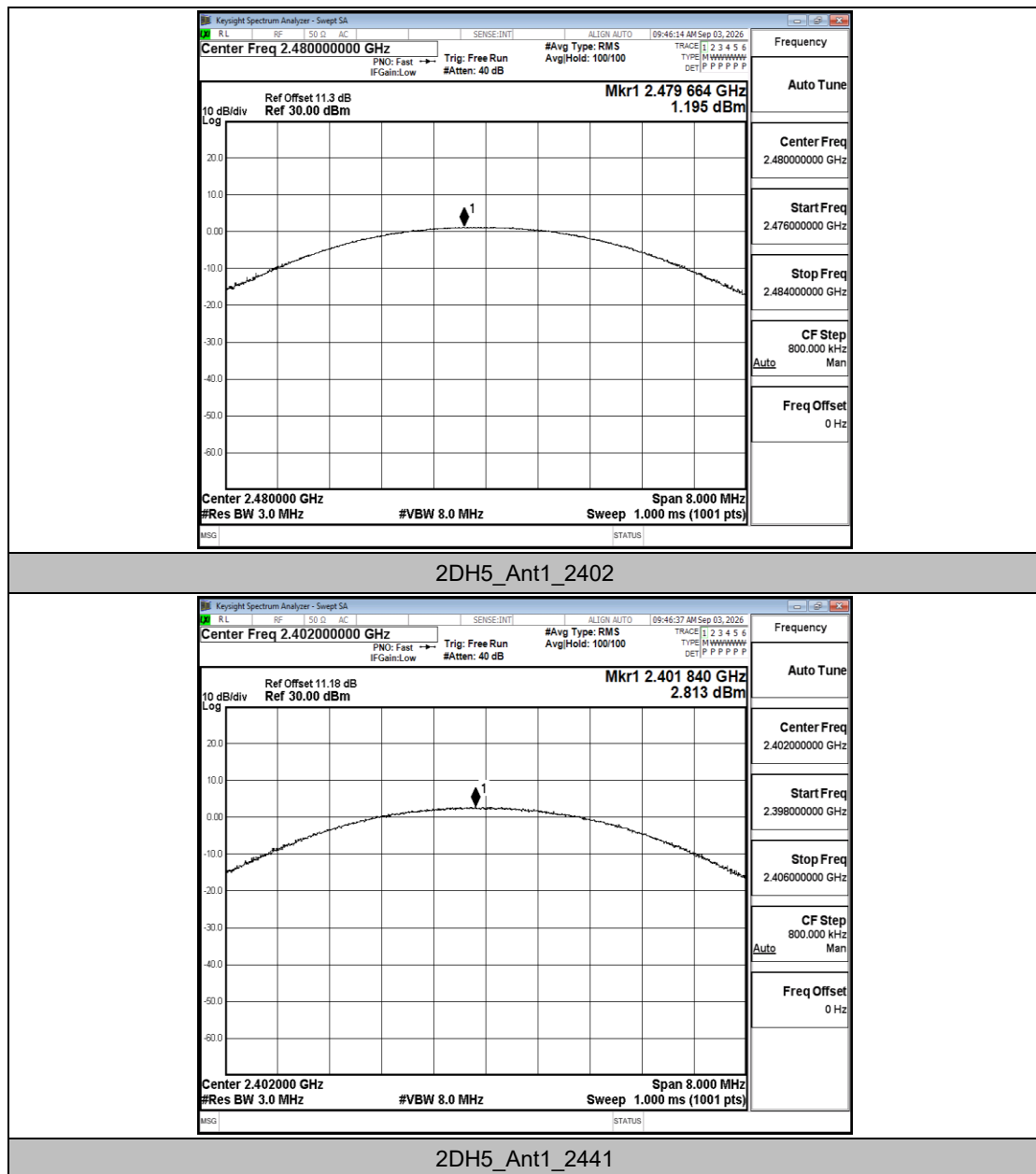
A.2 Maximum Peak conducted output power

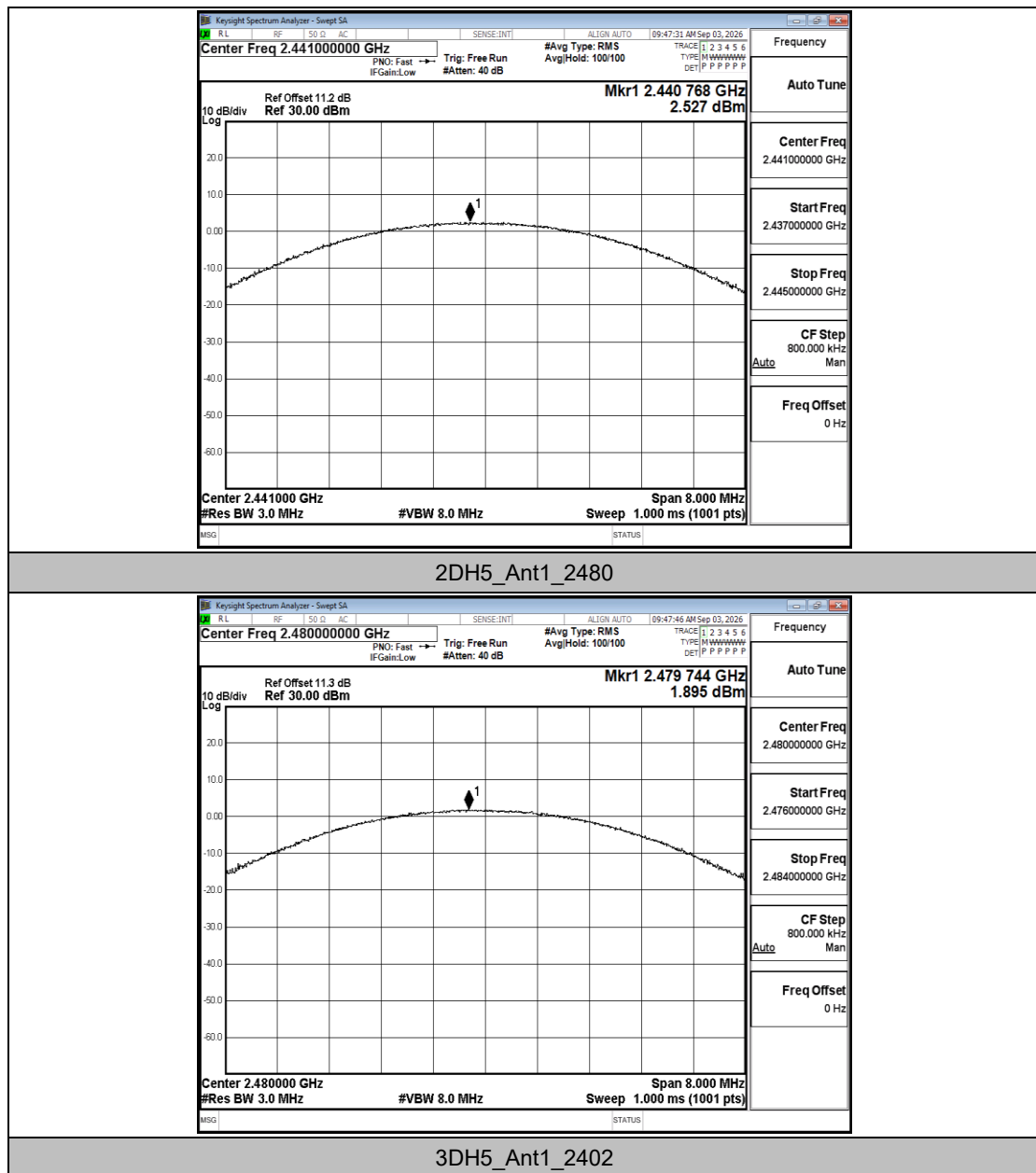
Test Result

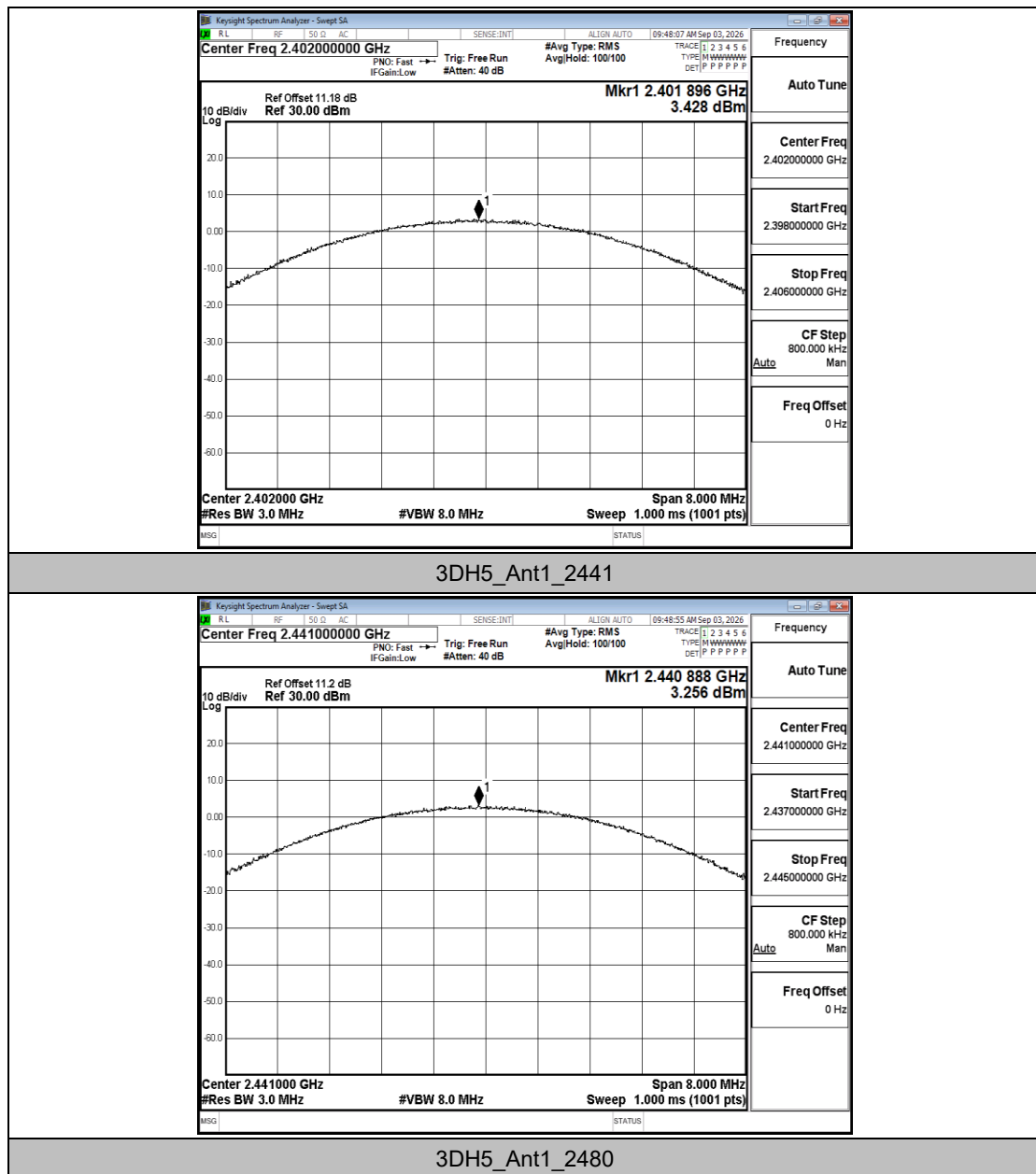
TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.14	≤30	PASS
		2441	1.83	≤30	PASS
		2480	1.20	≤30	PASS
2DH5	Ant1	2402	2.81	≤30	PASS
		2441	2.53	≤30	PASS
		2480	1.90	≤30	PASS
3DH5	Ant1	2402	3.43	≤20.97	PASS
		2441	3.26	≤20.97	PASS
		2480	2.53	≤20.97	PASS

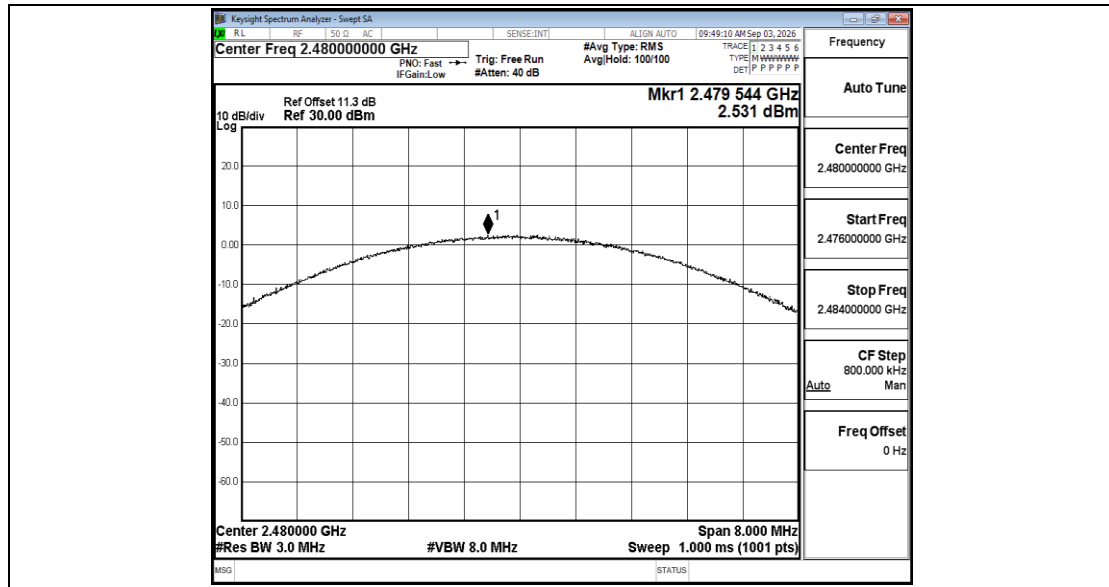
Test Graphs









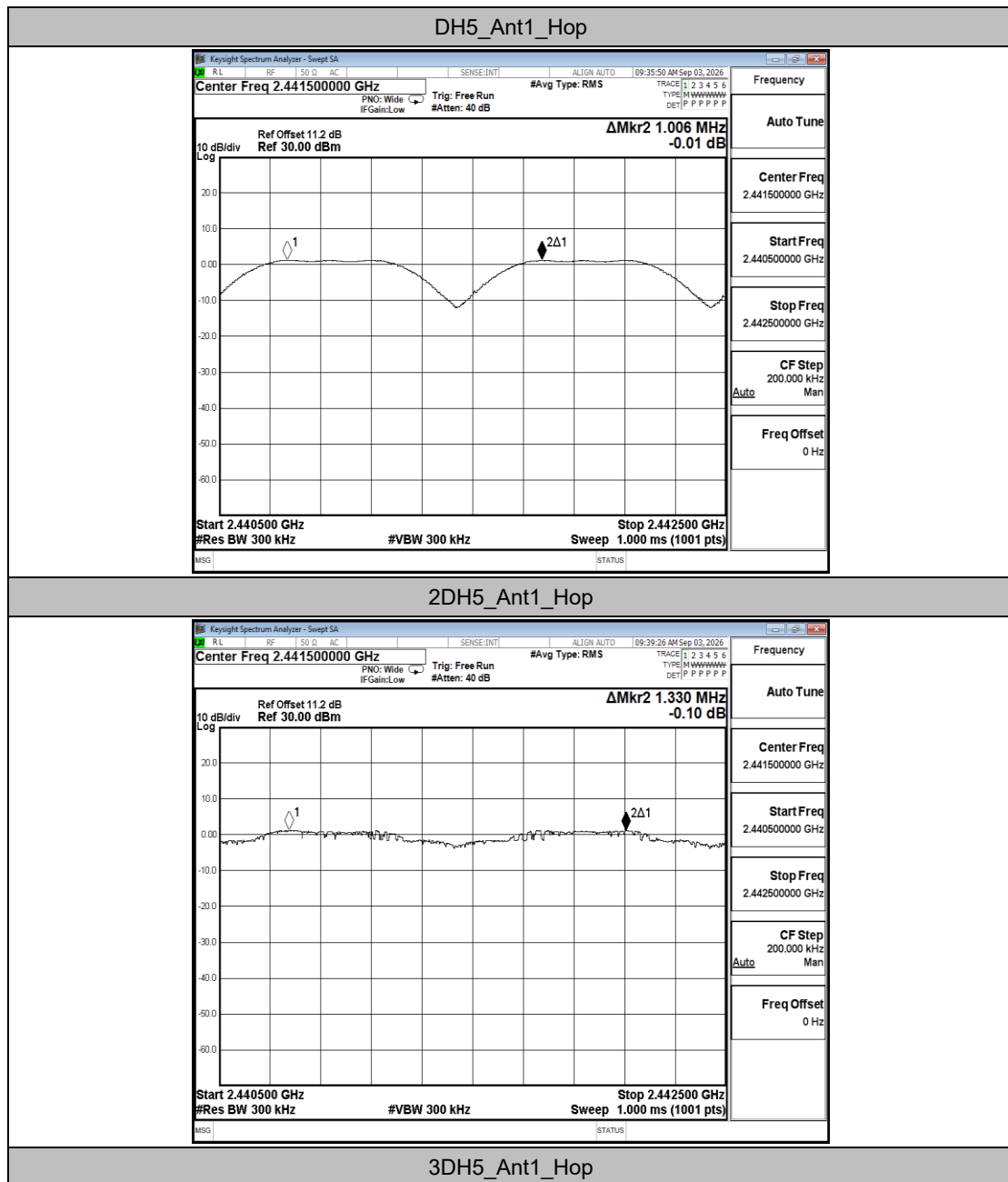


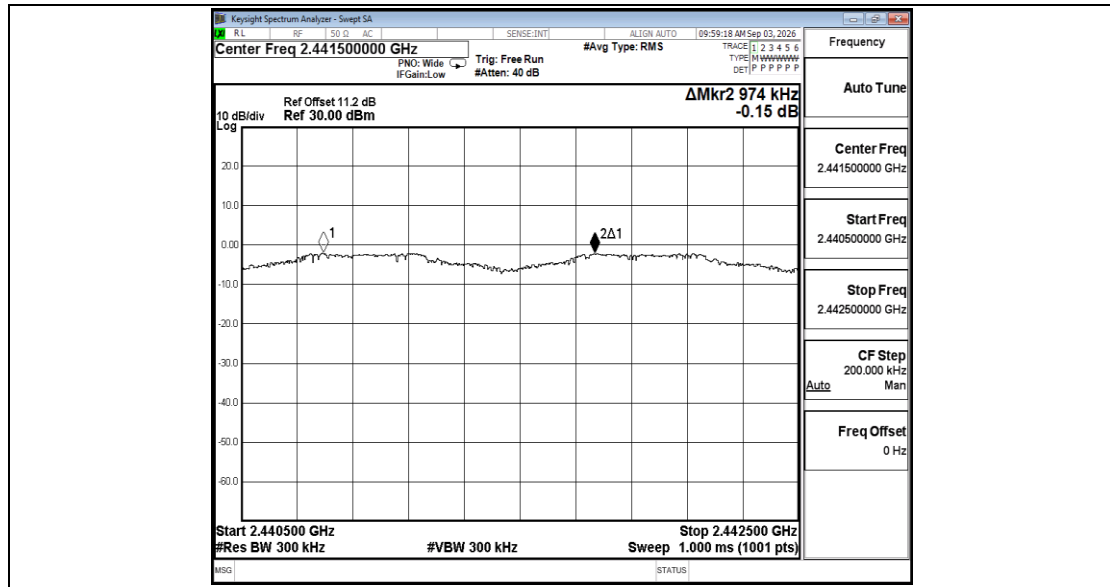
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.960	PASS
2DH5	Ant1	Hop	1.33	≥ 1.290	PASS
3DH5	Ant1	Hop	0.974	≥ 0.872	PASS

Test Graphs



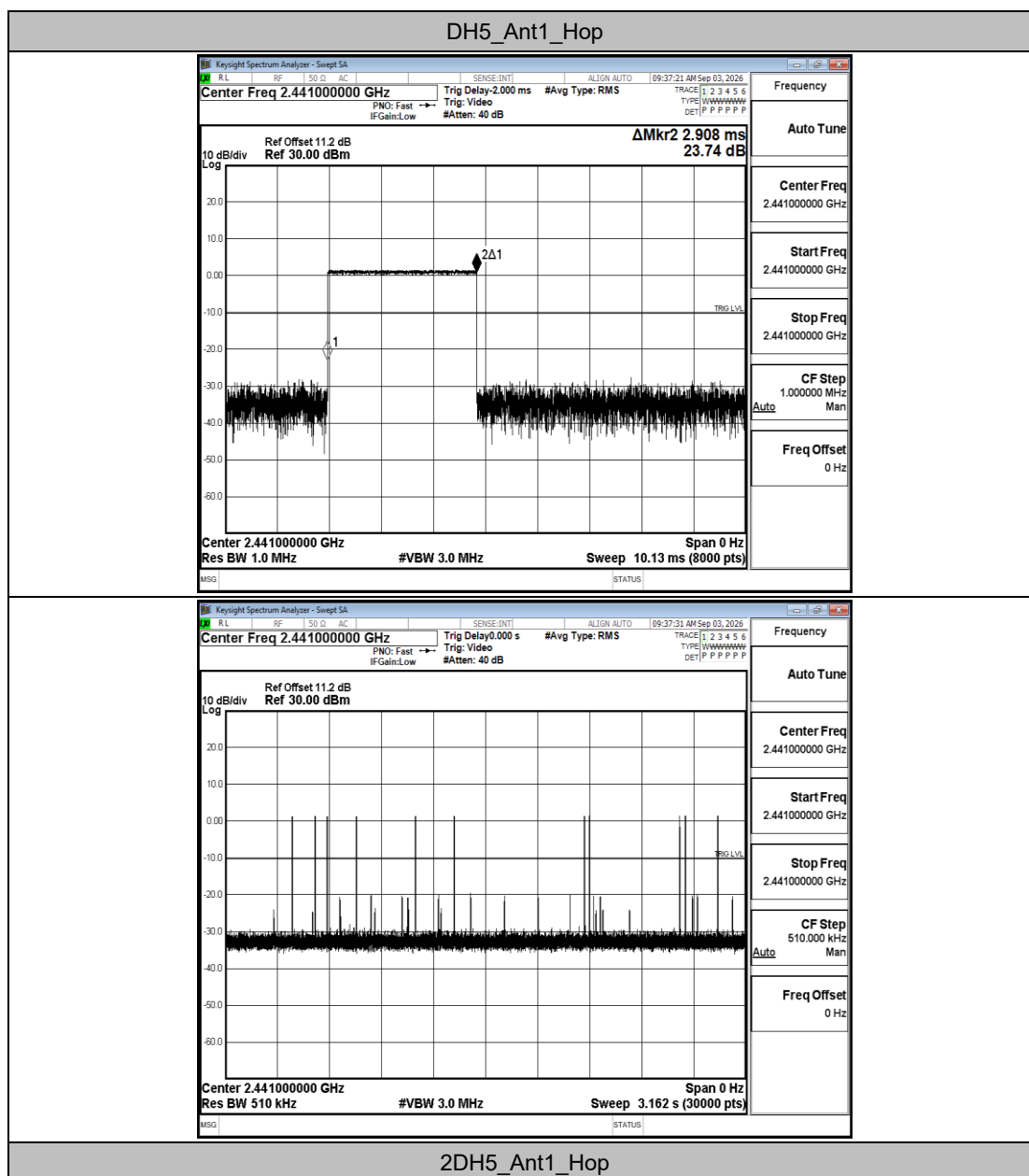


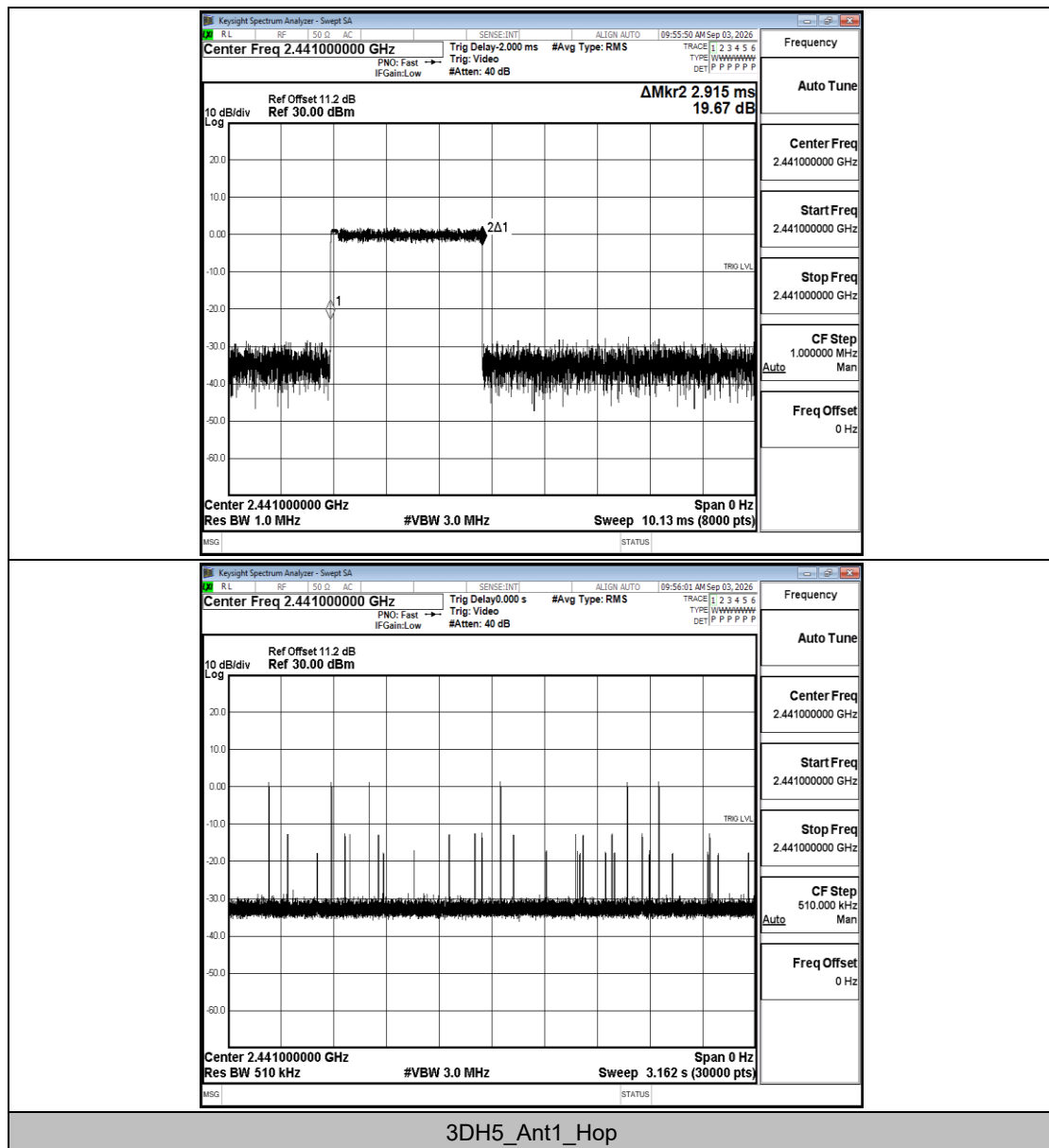
A.4 Time of occupancy

Test Result

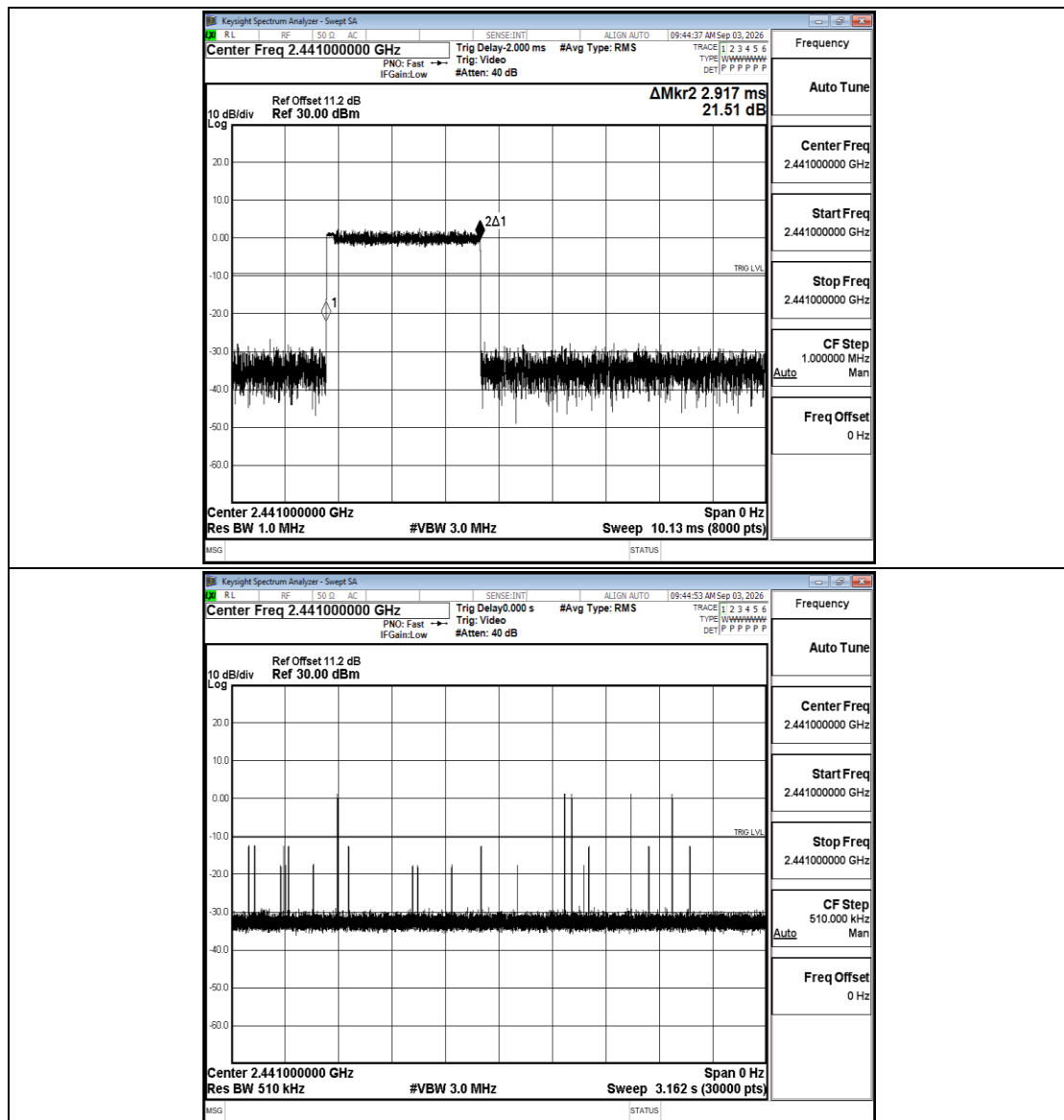
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	120	0.349	≤0.4	PASS
2DH5	Ant1	Hop	2.915	70	0.204	≤0.4	PASS
3DH5	Ant1	Hop	2.917	60	0.175	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

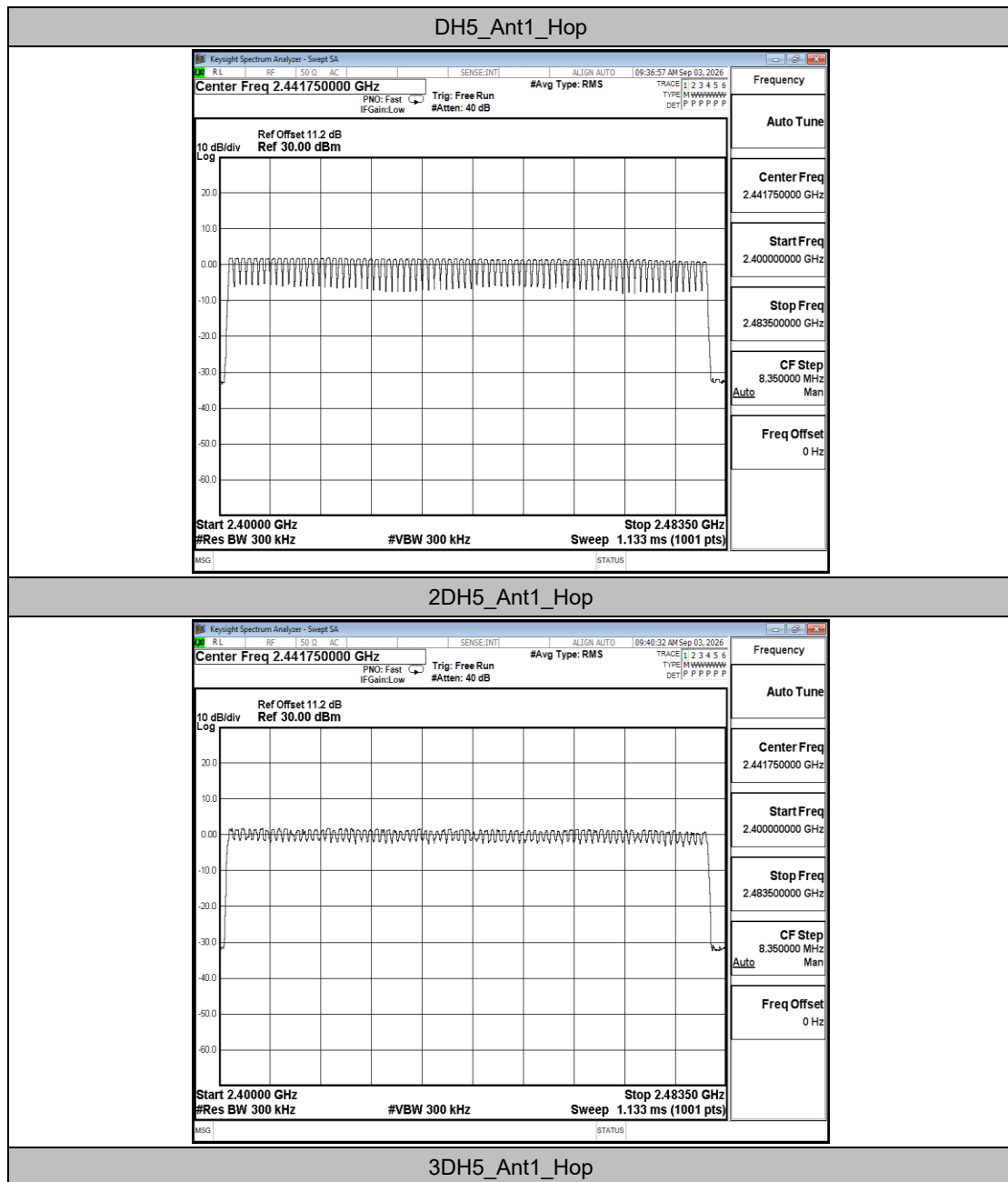


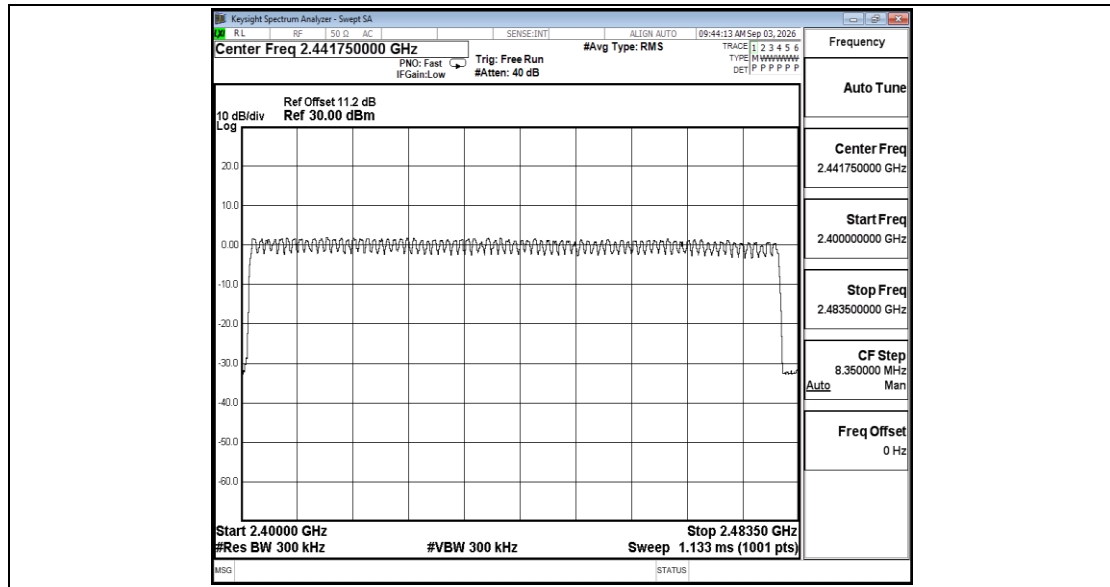
A.5 Number of hopping channels

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



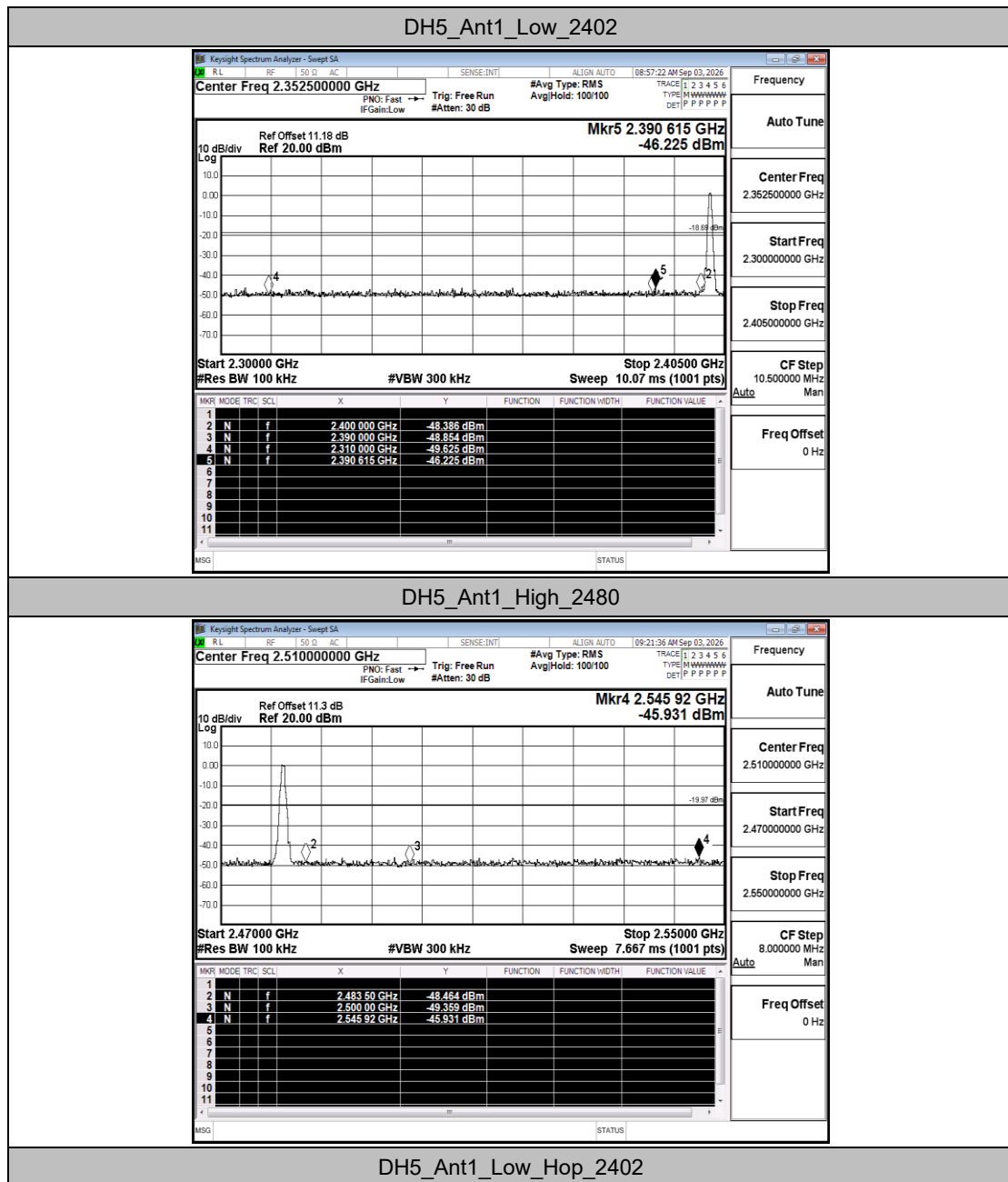


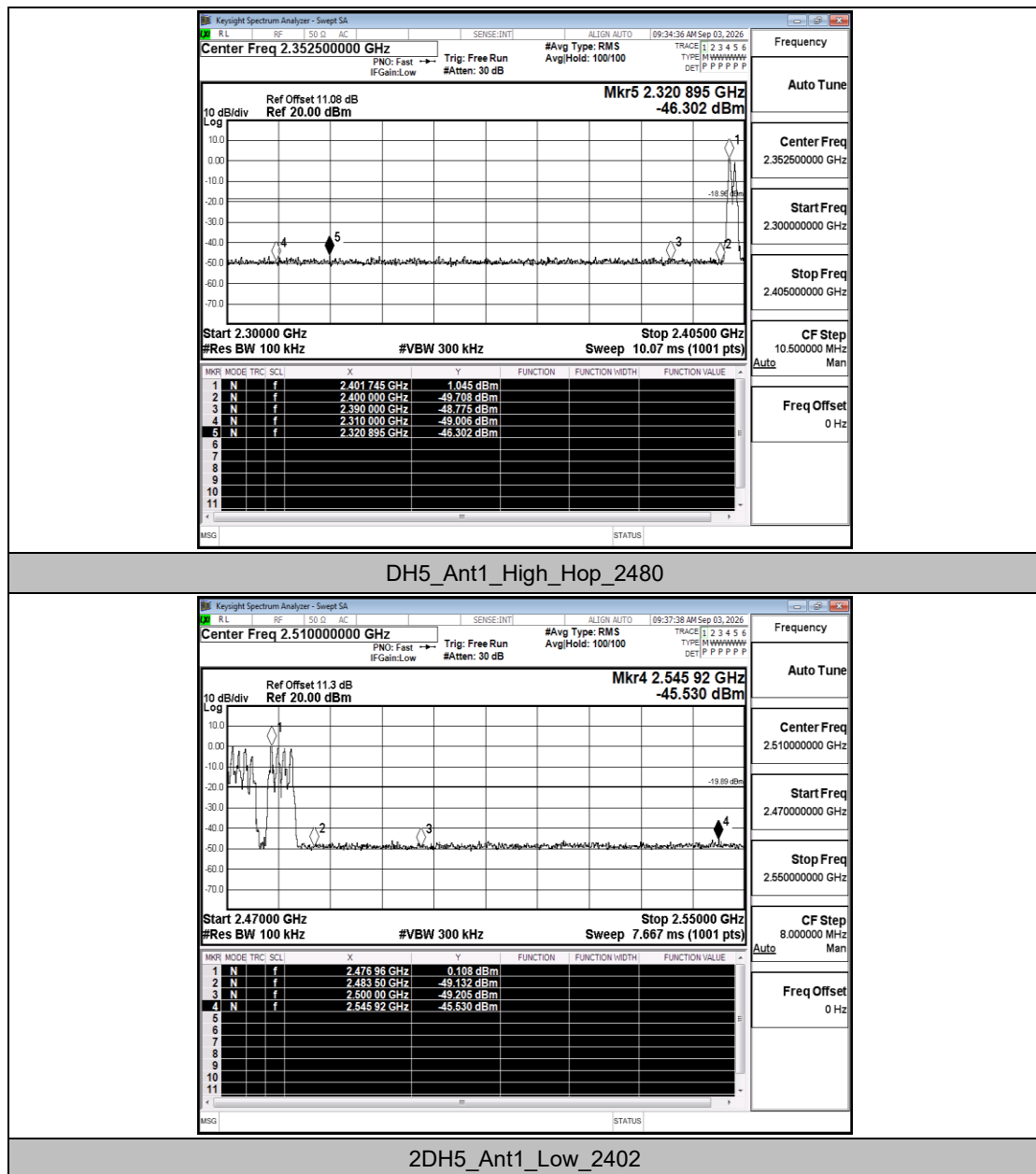
A.6 Band edge measurements

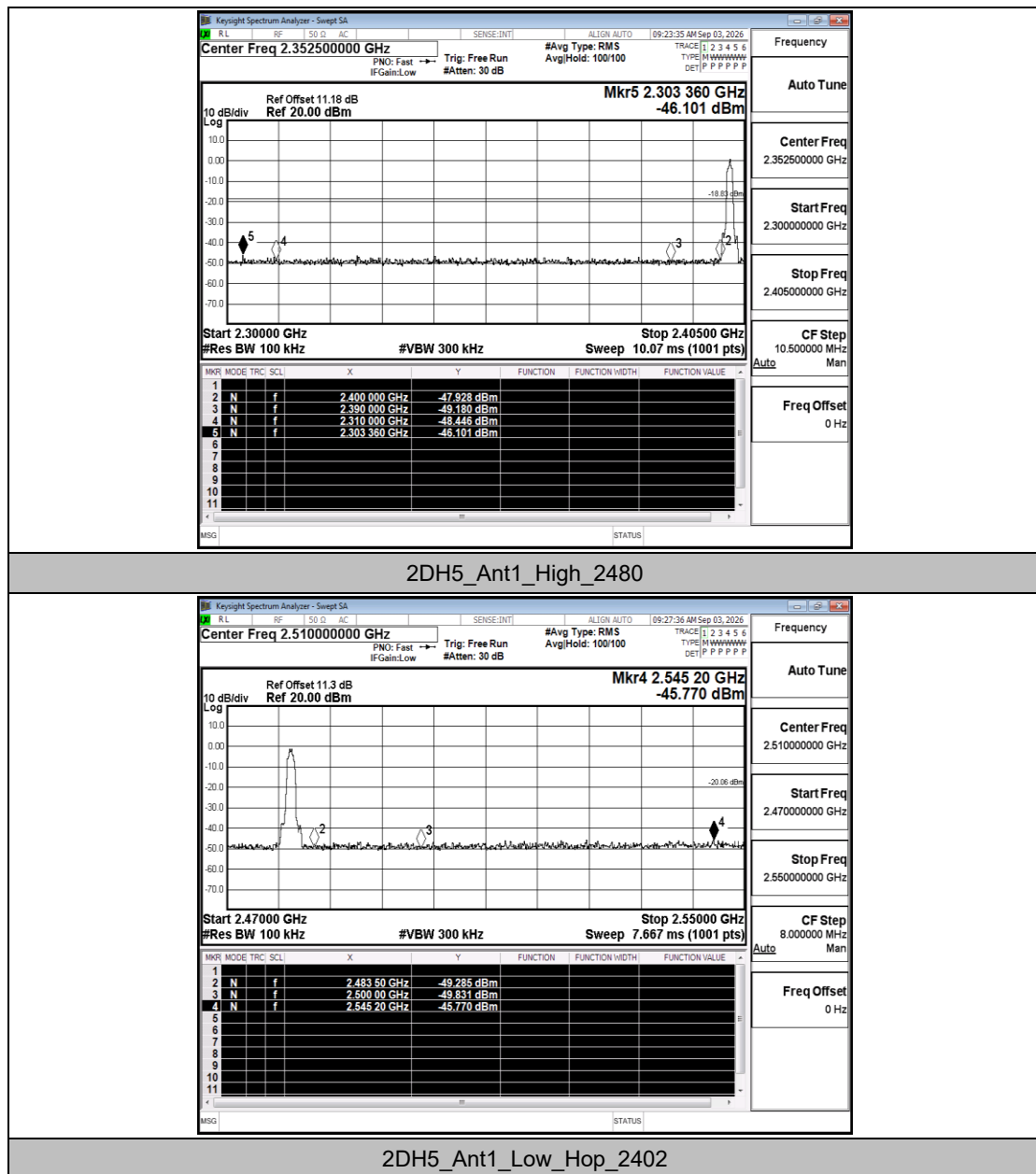
Test Result

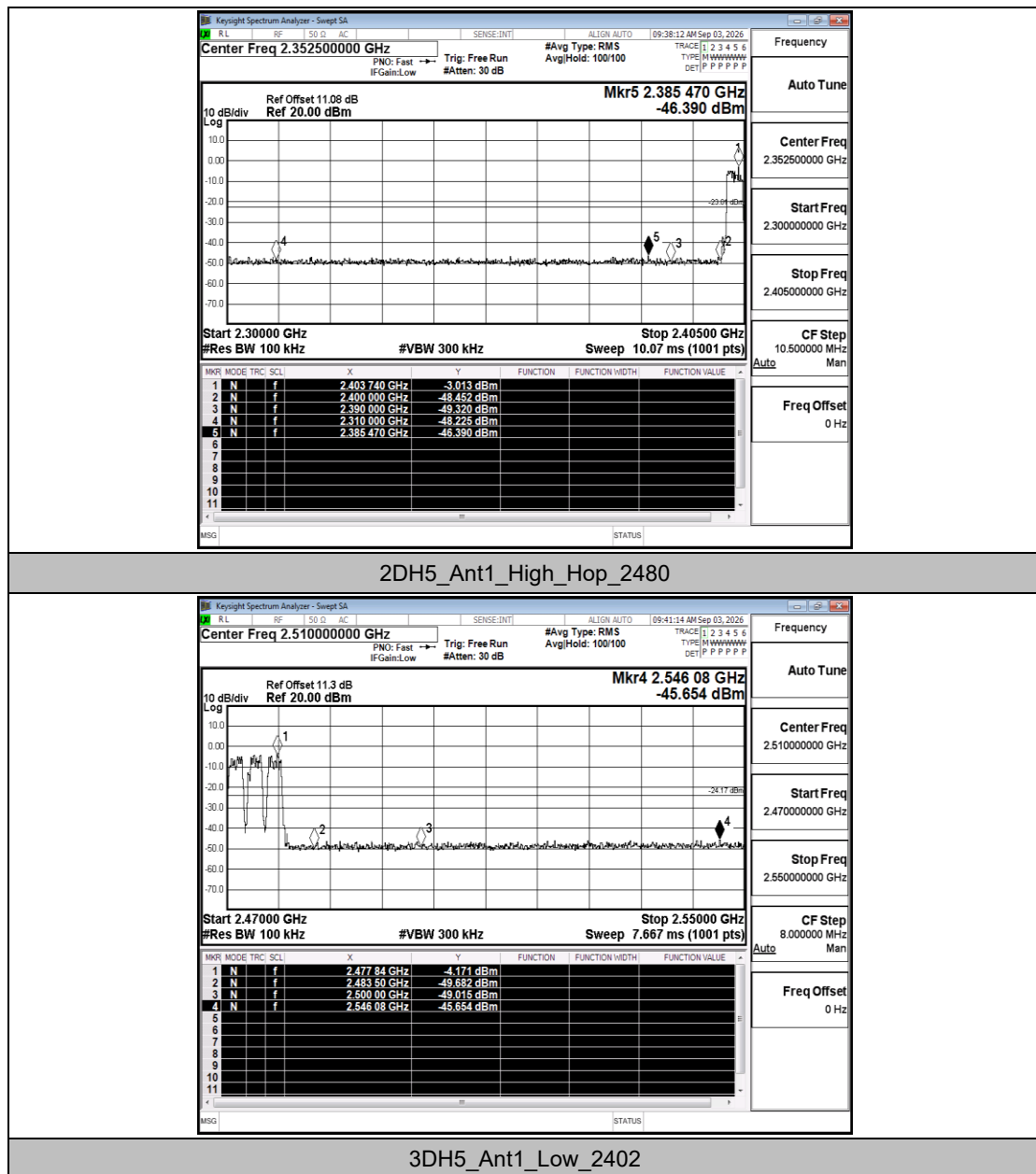
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.31	-46.23	≤-18.69	PASS
		High	2480	0.03	-45.93	≤-19.97	PASS
		Low	Hop_2402	1.05	-46.3	≤-18.96	PASS
		High	Hop_2480	0.11	-45.53	≤-19.89	PASS
2DH5	Ant1	Low	2402	1.17	-46.1	≤-18.83	PASS
		High	2480	-0.06	-45.77	≤-20.06	PASS
		Low	Hop_2402	-3.01	-46.39	≤-23.01	PASS
		High	Hop_2480	-4.17	-45.65	≤-24.17	PASS
3DH5	Ant1	Low	2402	1.08	-46.07	≤-18.92	PASS
		High	2480	-0.31	-45.68	≤-20.31	PASS
		Low	Hop_2402	-4.60	-46.79	≤-24.6	PASS
		High	Hop_2480	0.72	-45.93	≤-19.28	PASS

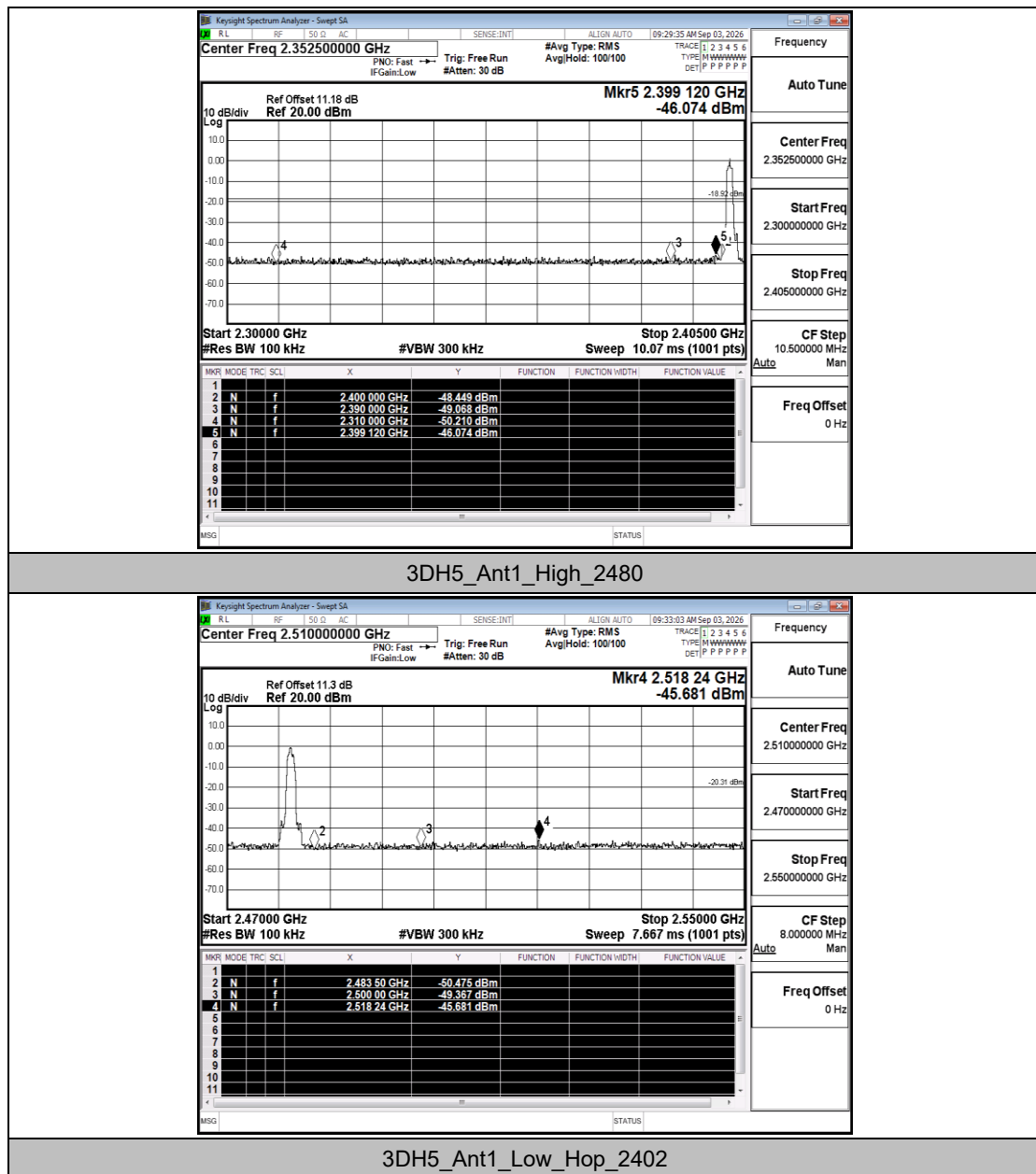
Test Graphs

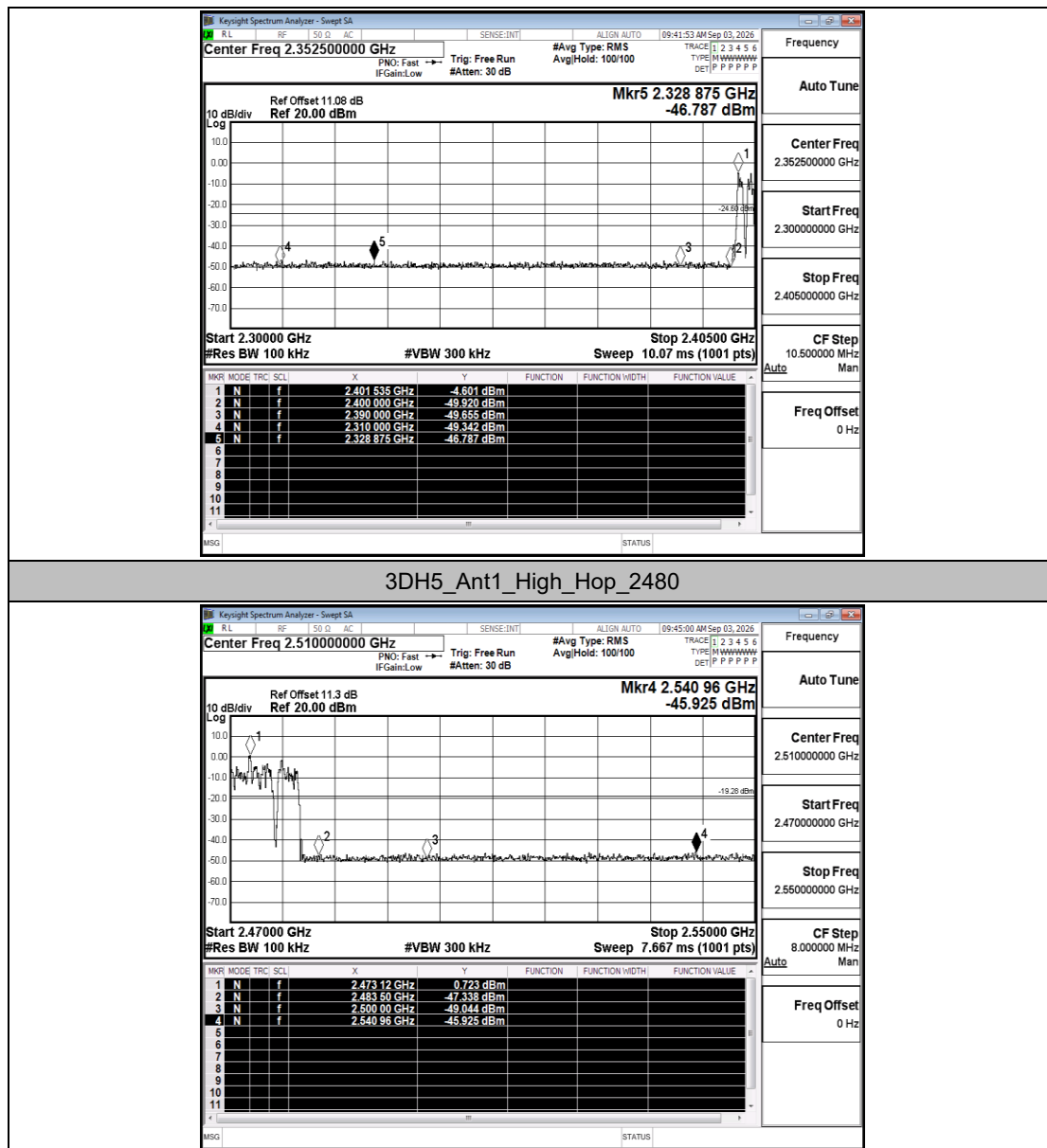












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-5.43	-5.43	---	PASS
			30~1000	-5.43	-70.2	≤-25.43	PASS
			1000~26500	-5.43	-28.37	≤-25.43	PASS
		2441	Reference	-11.63	-11.63	---	PASS
			30~1000	-11.63	-70.69	≤-31.63	PASS
			1000~26500	-11.63	-39.39	≤-31.63	PASS
		2480	Reference	-6.29	-6.29	---	PASS
			30~1000	-6.29	-69.78	≤-26.29	PASS
			1000~26500	-6.29	-26.82	≤-26.29	PASS
2DH5	Ant1	2402	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-70.45	≤-18.83	PASS
			1000~26500	1.17	-19.21	≤-18.83	PASS
		2441	Reference	-5.91	-5.91	---	PASS
			30~1000	-5.91	-69.51	≤-25.91	PASS
			1000~26500	-5.91	-26.85	≤-25.91	PASS
		2480	Reference	-6.47	-6.47	---	PASS
			30~1000	-6.47	-70.17	≤-26.47	PASS
			1000~26500	-6.47	-32.16	≤-26.47	PASS
3DH5	Ant1	2402	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-70.09	≤-18.82	PASS
			1000~26500	1.18	-19.28	≤-18.82	PASS
		2441	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-70.42	≤-25.87	PASS
			1000~26500	-5.87	-29.8	≤-25.87	PASS
		2480	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-70.02	≤-19.71	PASS
			1000~26500	0.29	-21.16	≤-19.71	PASS

Test Graphs

