

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: ROCK SPEAKER

Test Model: TS-OA2RS-SND

Environmental Conditions

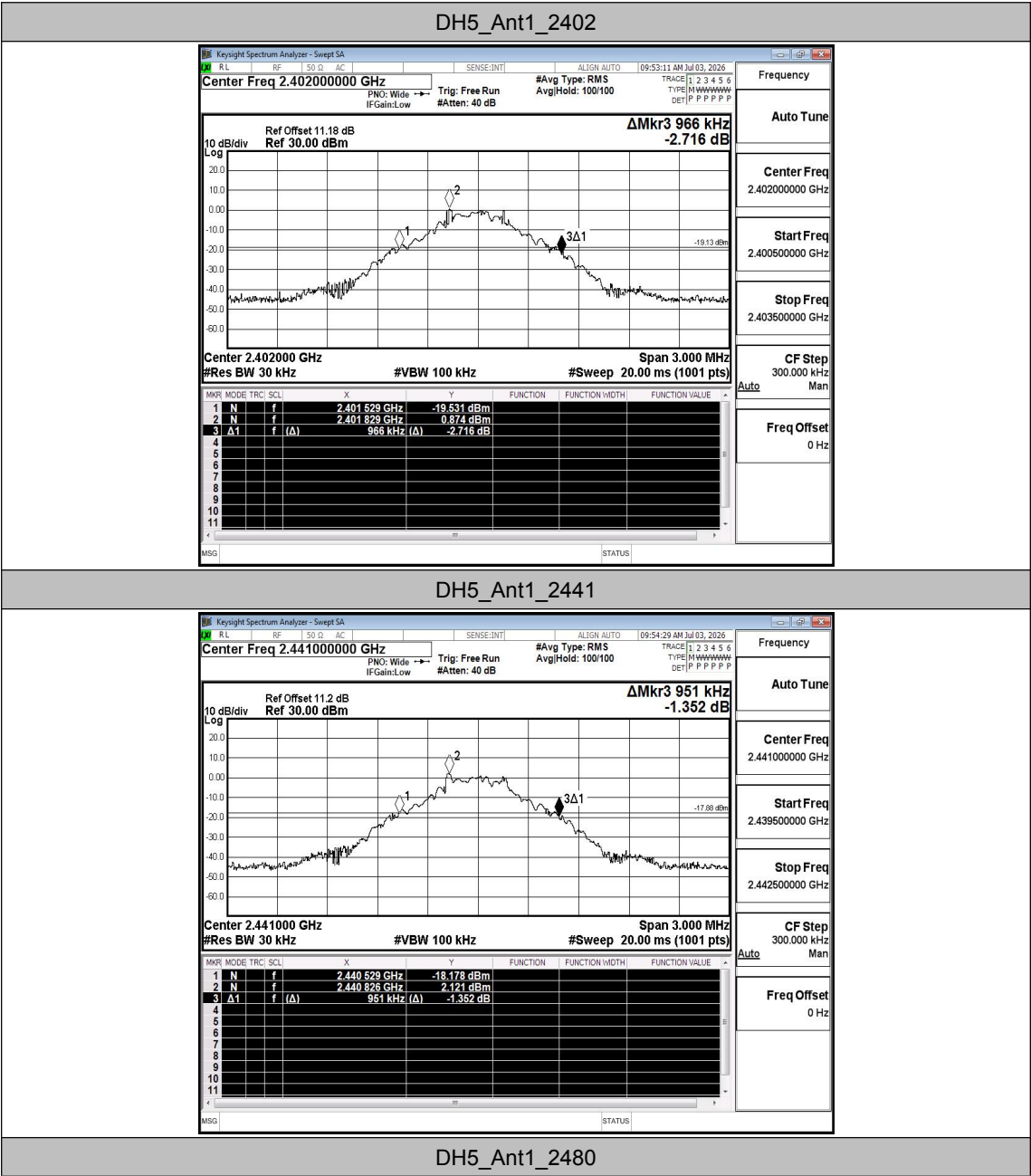
Temperature:	24.2°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

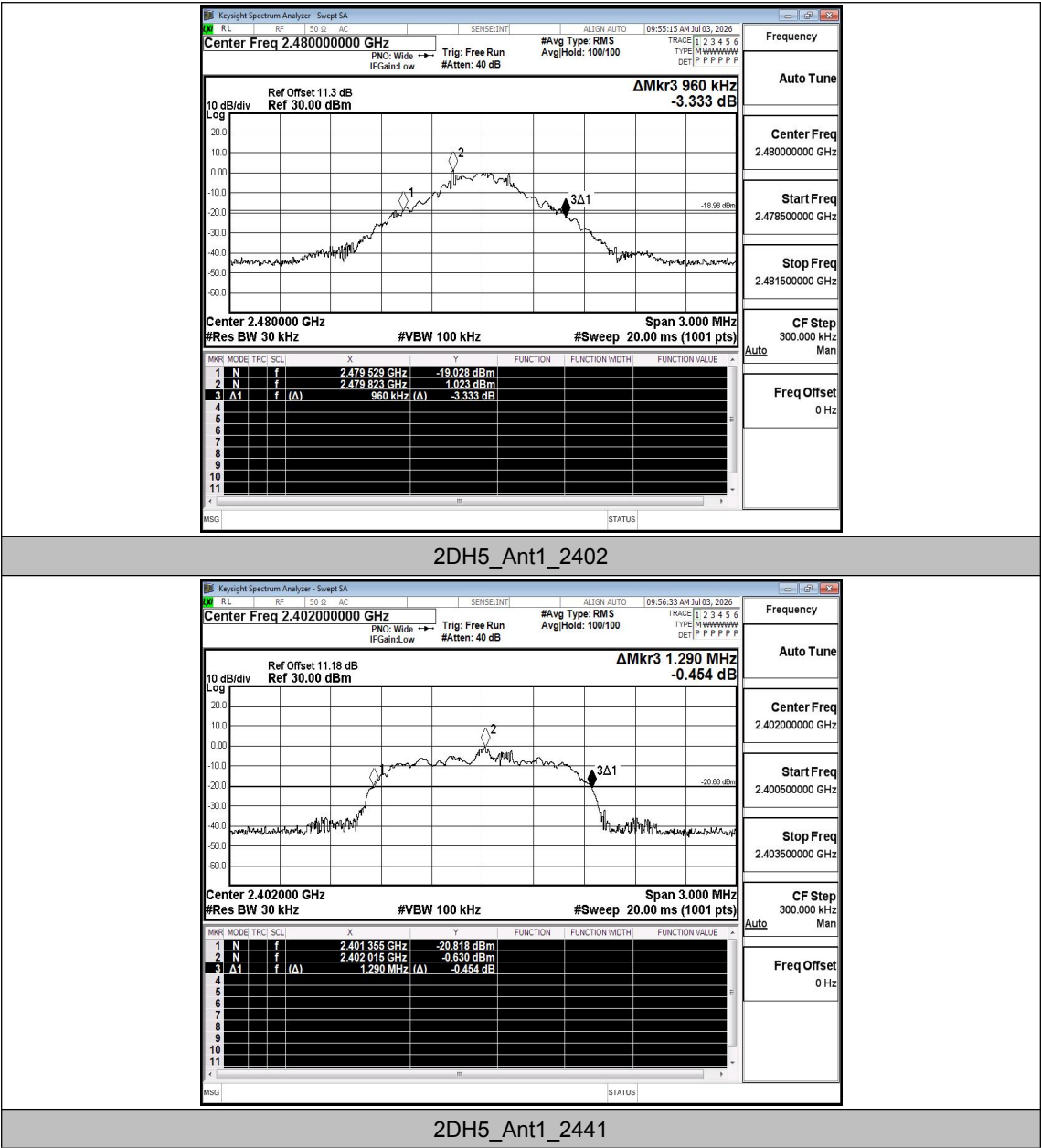
A.1 20dB Emission Bandwidth

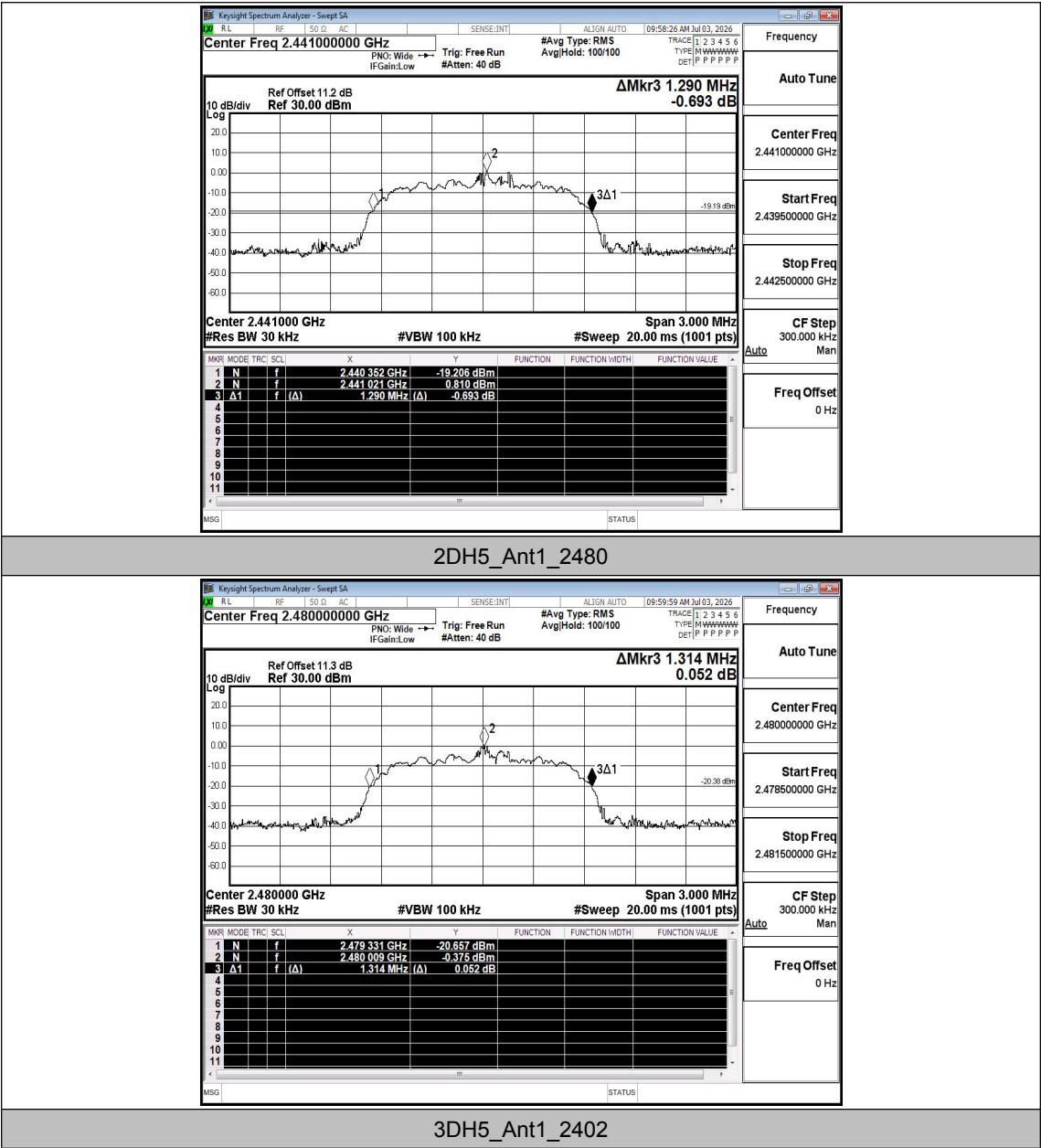
Test Result

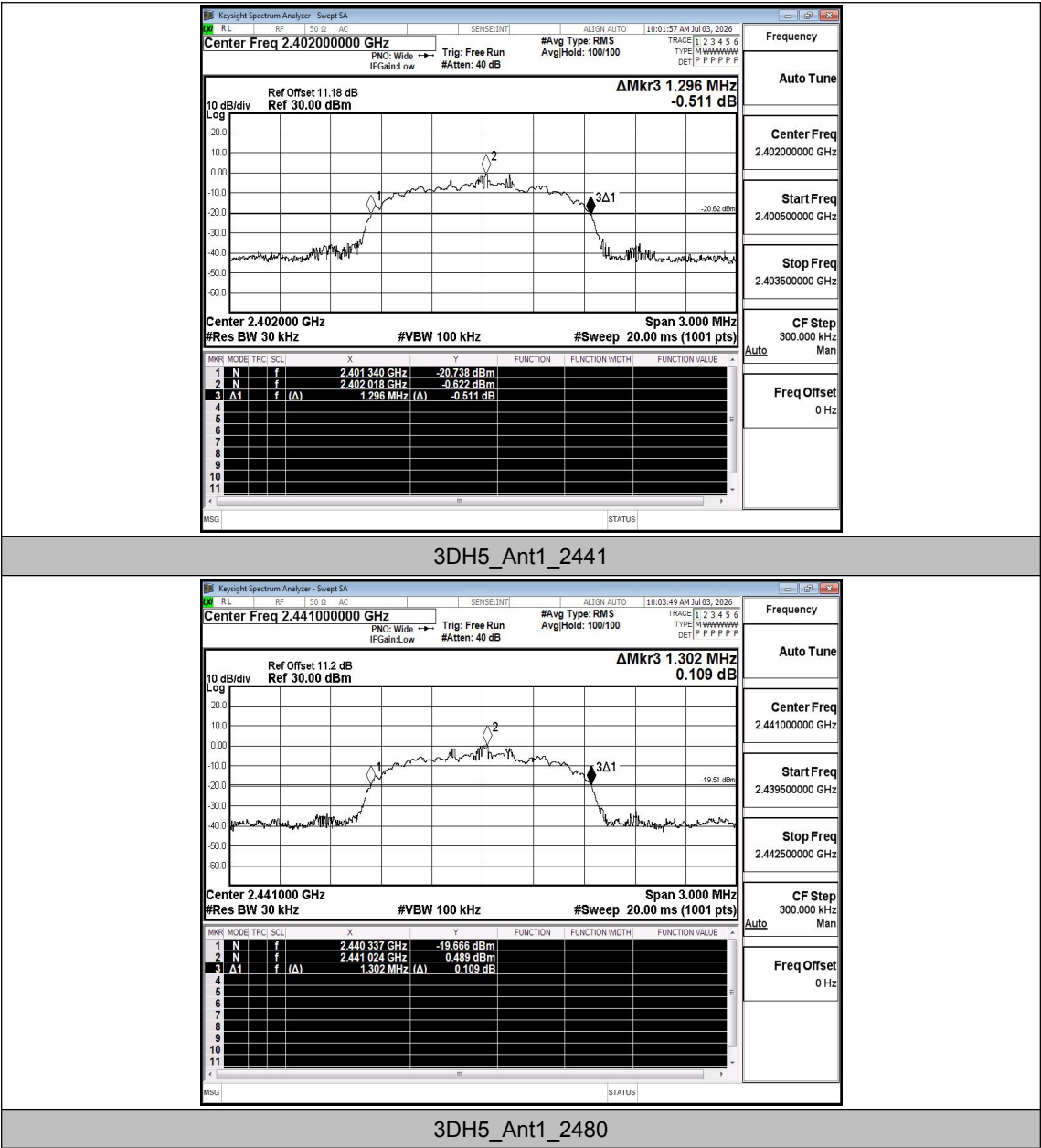
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.966	2401.529	2402.495	---	---
		2441	0.951	2440.529	2441.480	---	---
		2480	0.960	2479.529	2480.489	---	---
2DH5	Ant1	2402	1.290	2401.355	2402.645	---	---
		2441	1.290	2440.352	2441.642	---	---
		2480	1.314	2479.331	2480.645	---	---
3DH5	Ant1	2402	1.296	2401.340	2402.636	---	---
		2441	1.302	2440.337	2441.639	---	---
		2480	1.299	2479.337	2480.636	---	---

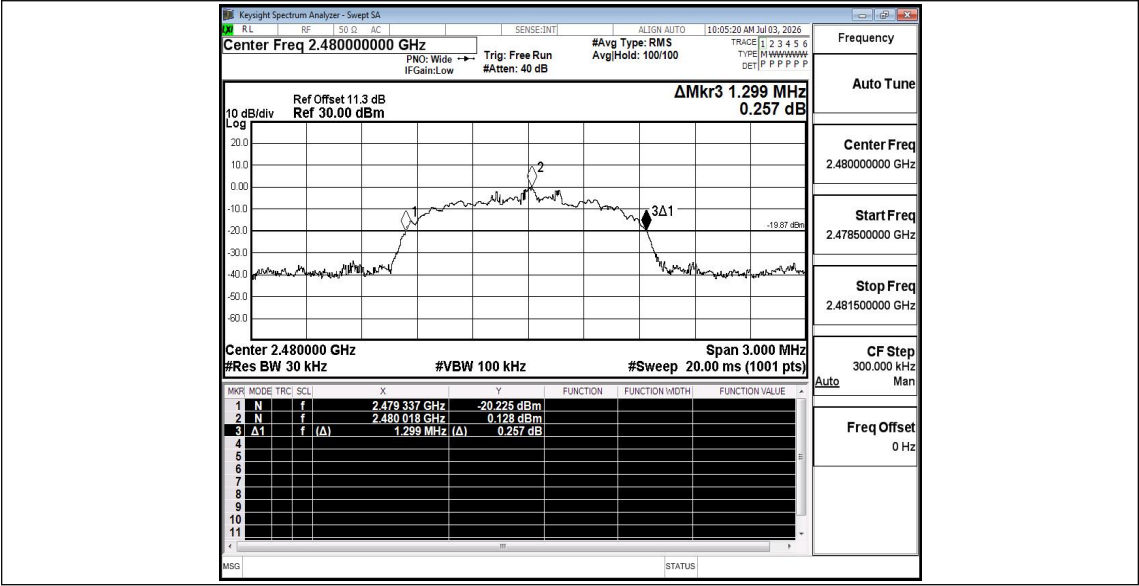
Test Graphs









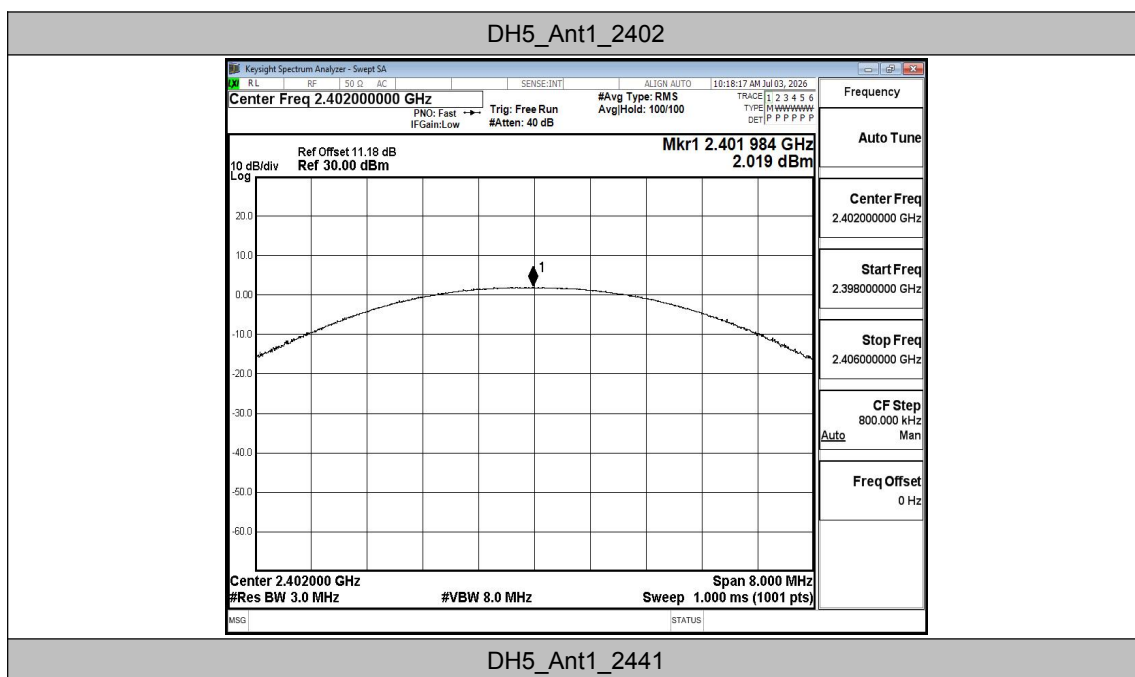


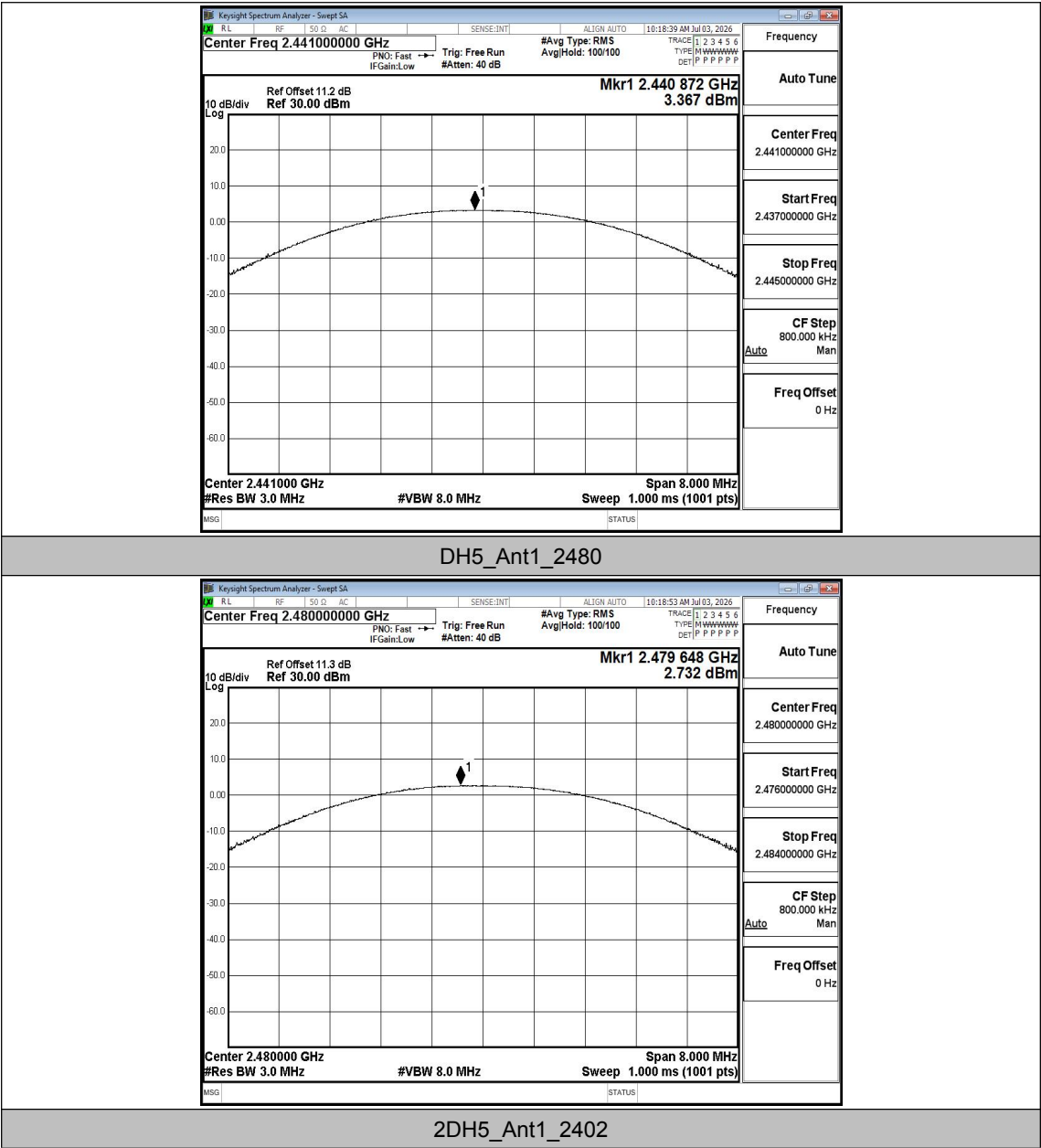
A.2 Maximum Peak conducted output power

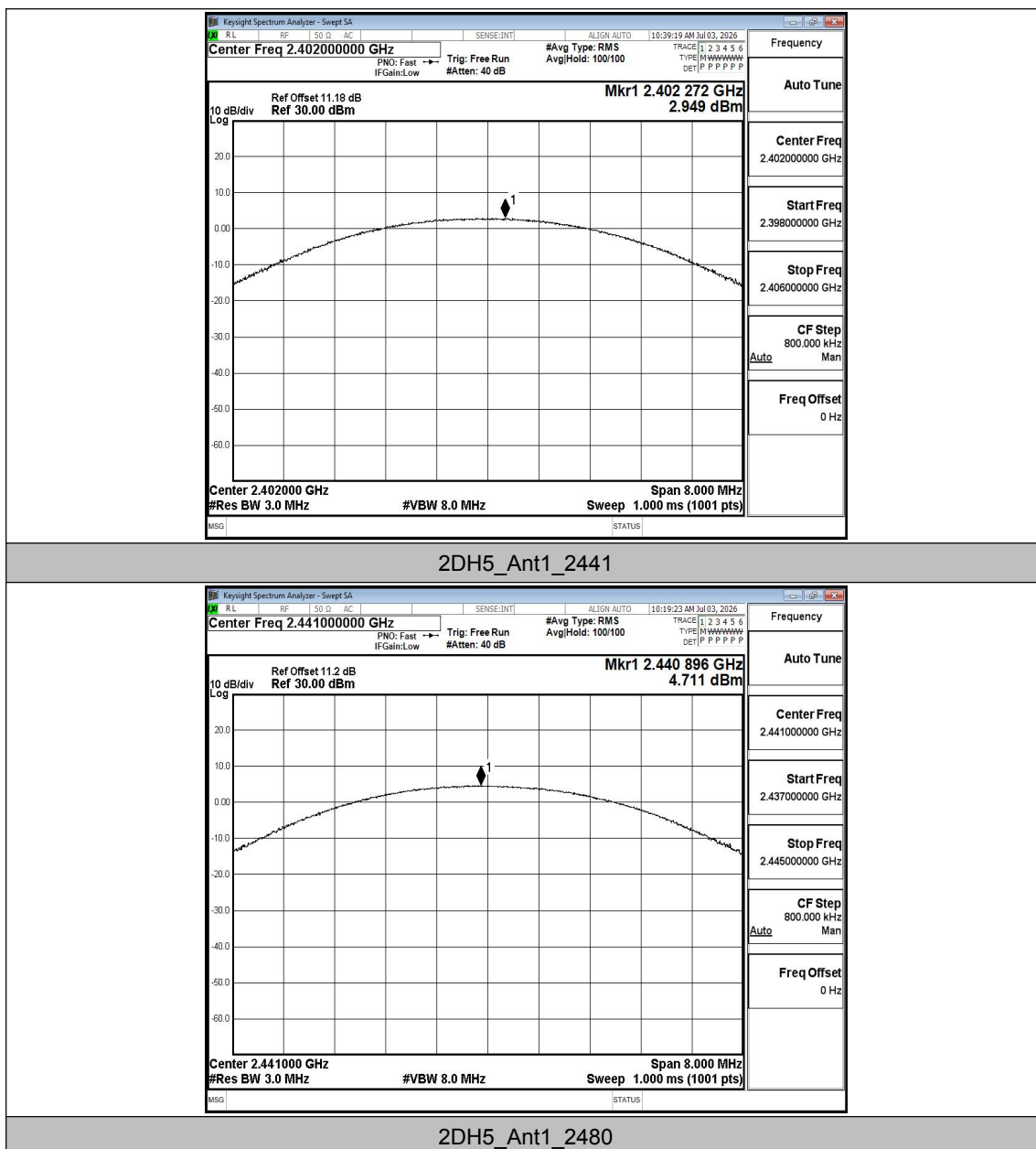
Test Result Peak

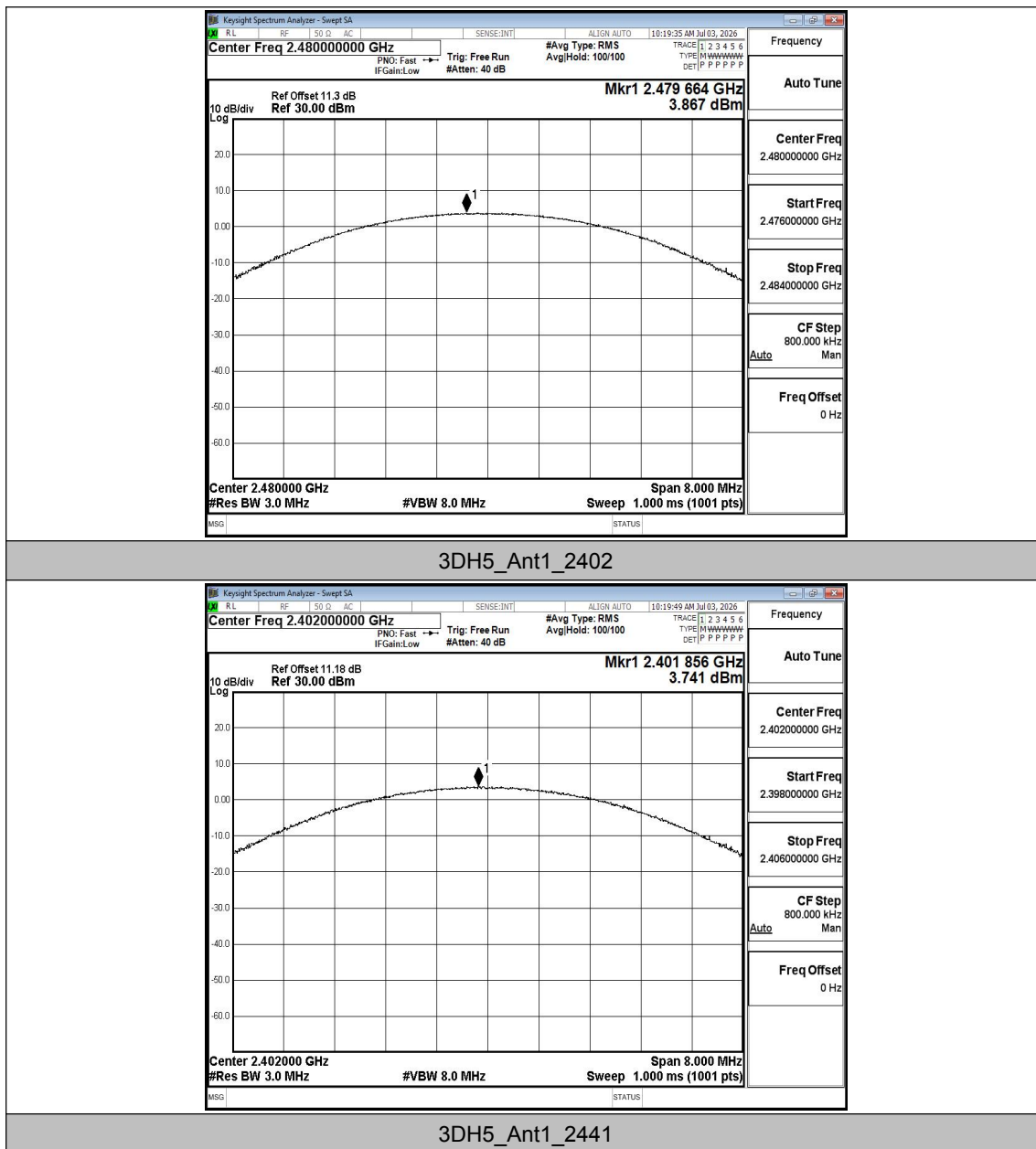
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.02	≤30	PASS
		2441	3.37	≤30	PASS
		2480	2.73	≤30	PASS
2DH5	Ant1	2402	2.95	≤30	PASS
		2441	4.71	≤30	PASS
		2480	3.87	≤30	PASS
3DH5	Ant1	2402	3.74	≤30	PASS
		2441	0.02	≤30	PASS
		2480	-1.13	≤30	PASS

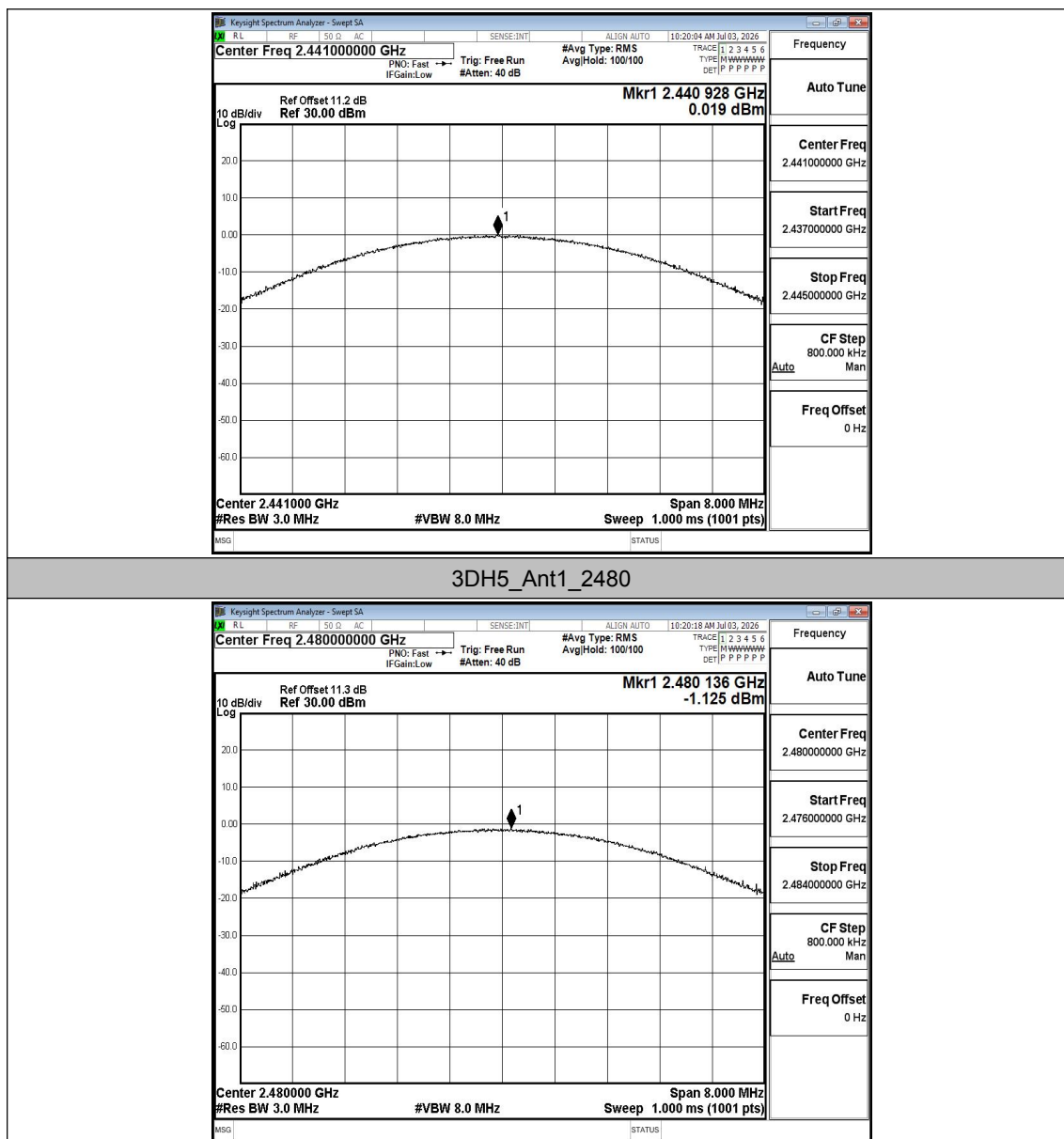
Test Graphs









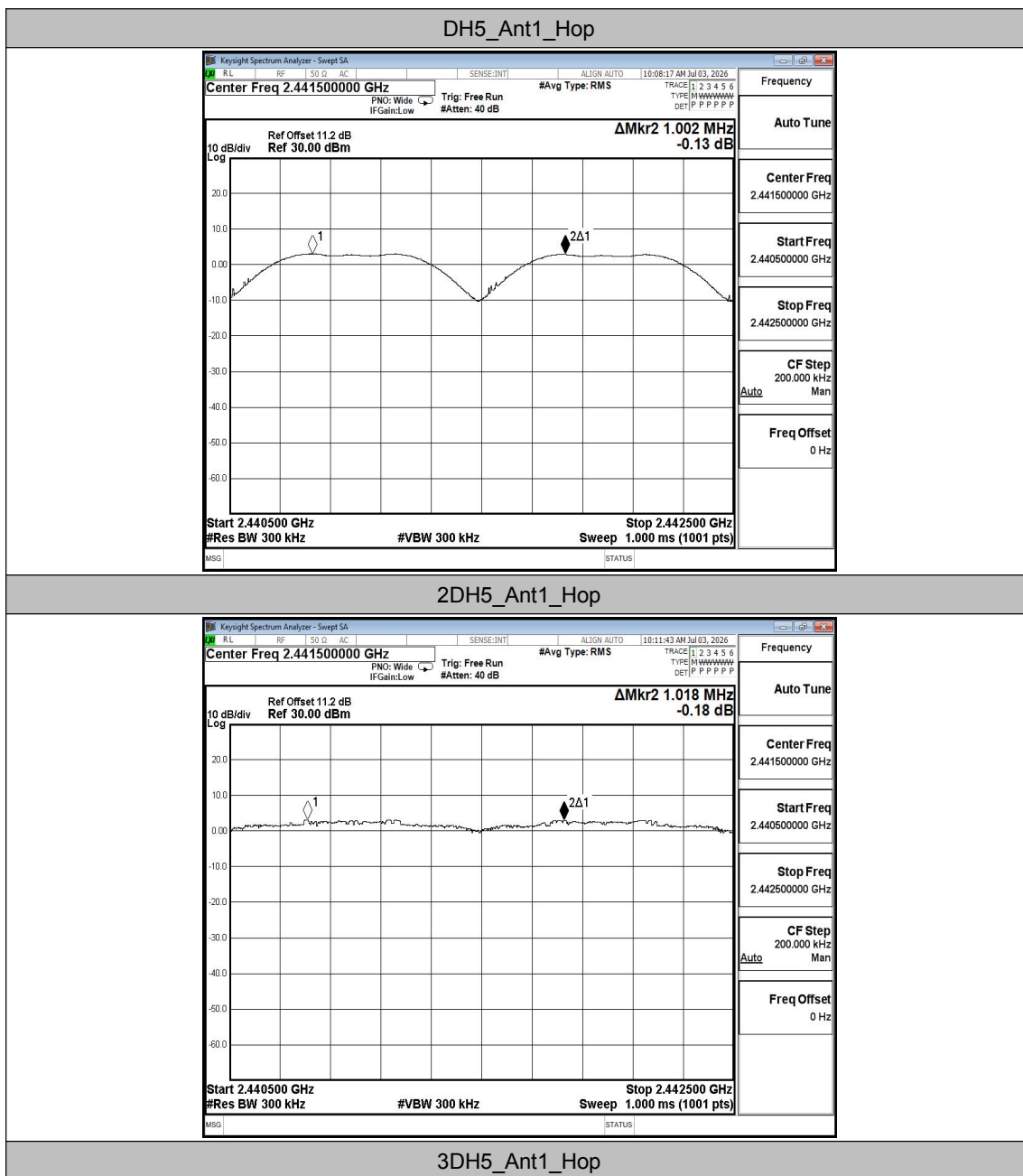


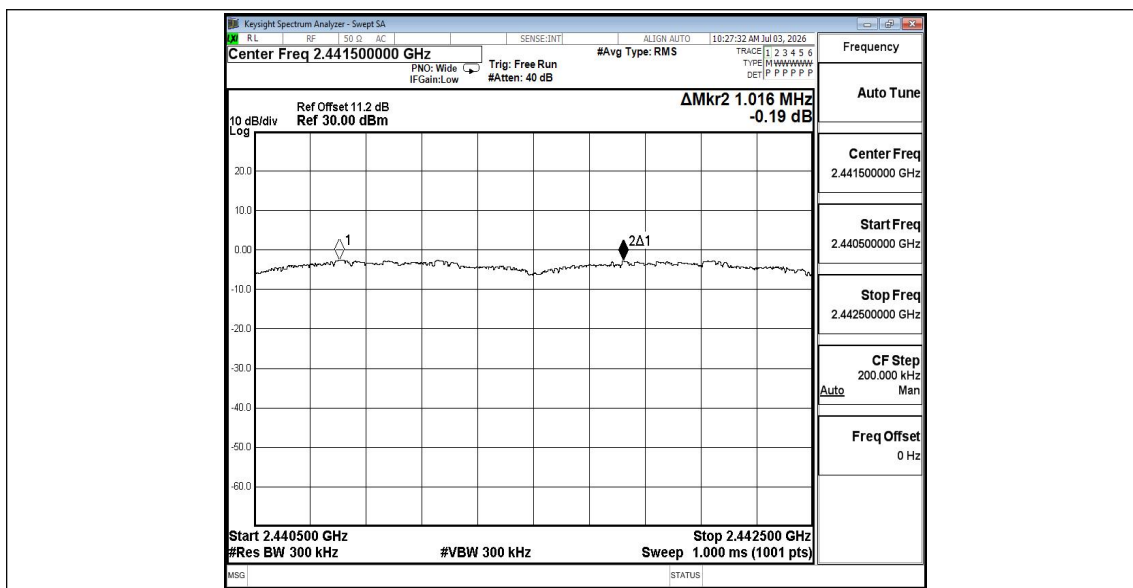
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.966	PASS
2DH5	Ant1	Hop	1.018	≥ 0.876	PASS
3DH5	Ant1	Hop	1.016	≥ 0.868	PASS

Test Graphs



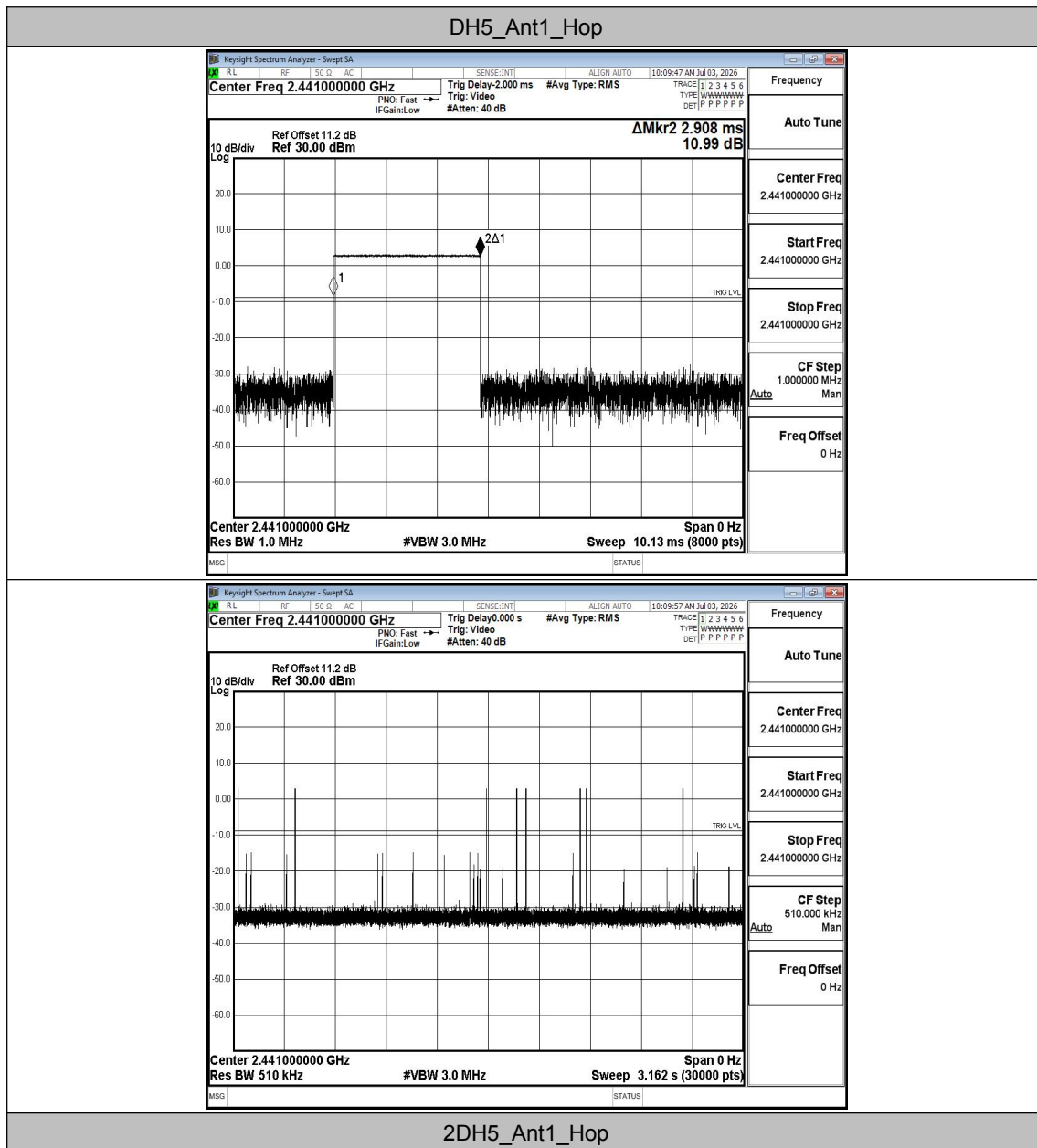


A.4 Time of occupancy

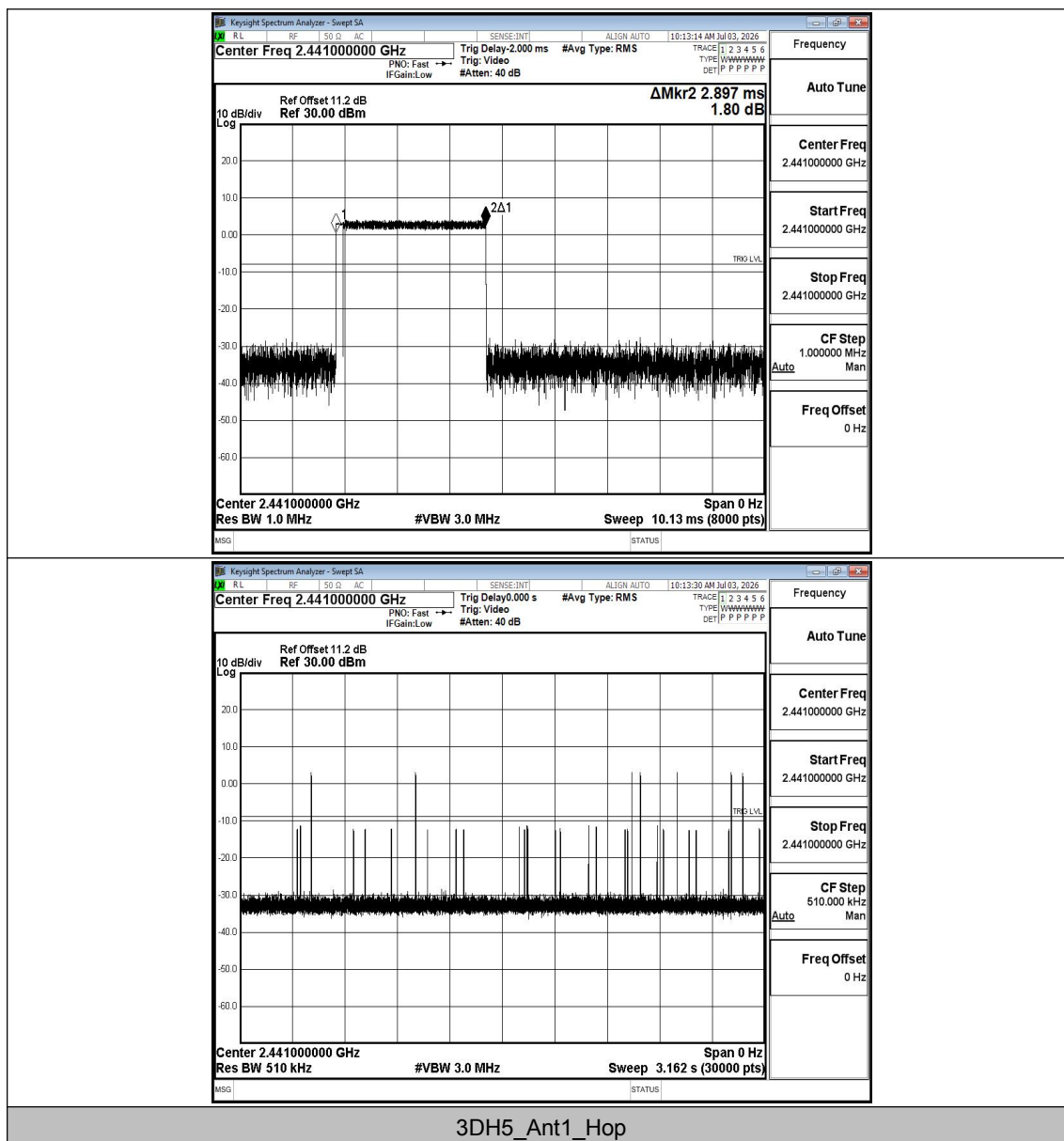
Test Result

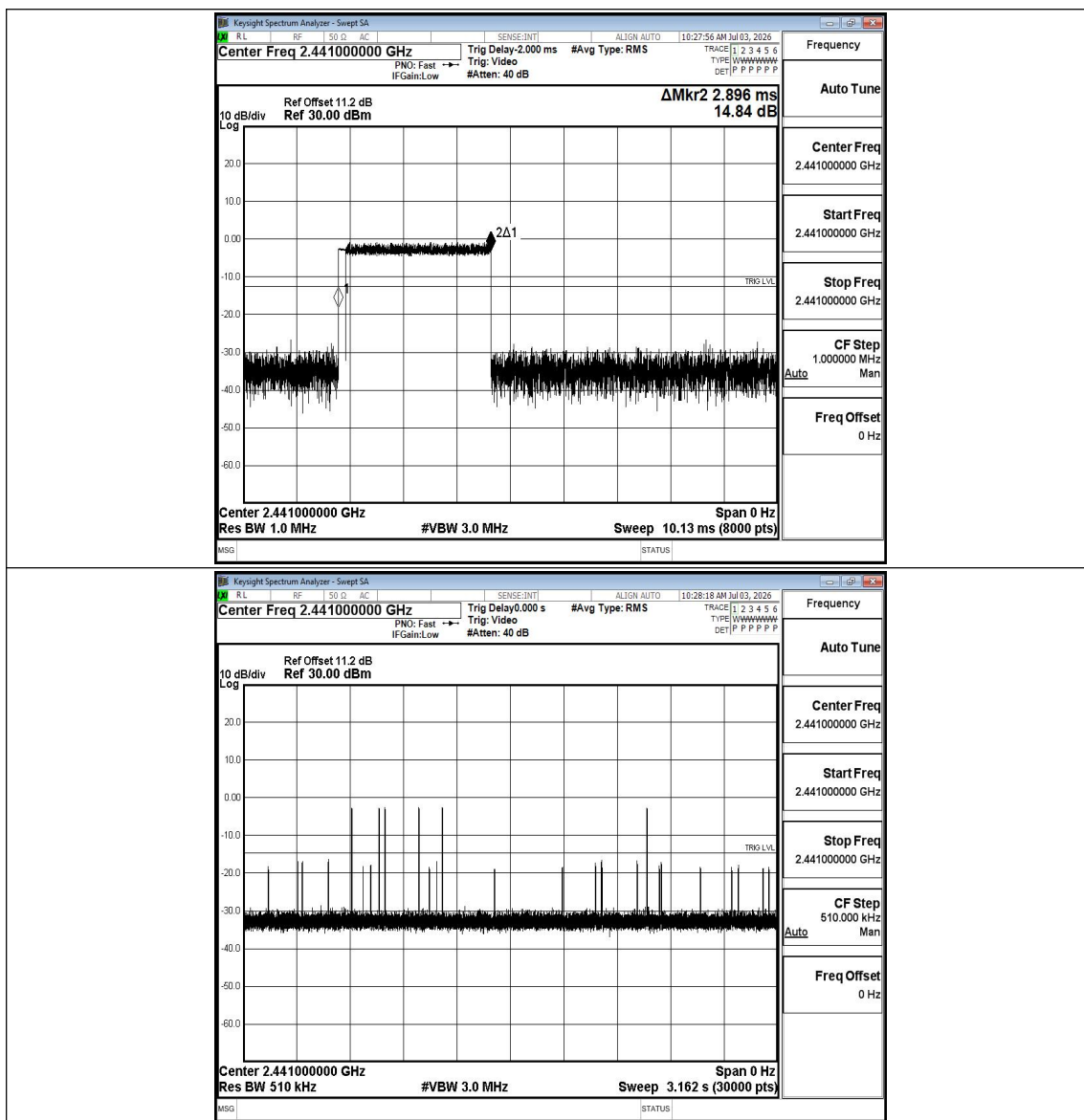
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	90	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.897	80	0.232	≤0.4	PASS
3DH5	Ant1	Hop	2.896	70	0.203	≤0.4	PASS

Test Graphs



2DH5_Ant1_Hop



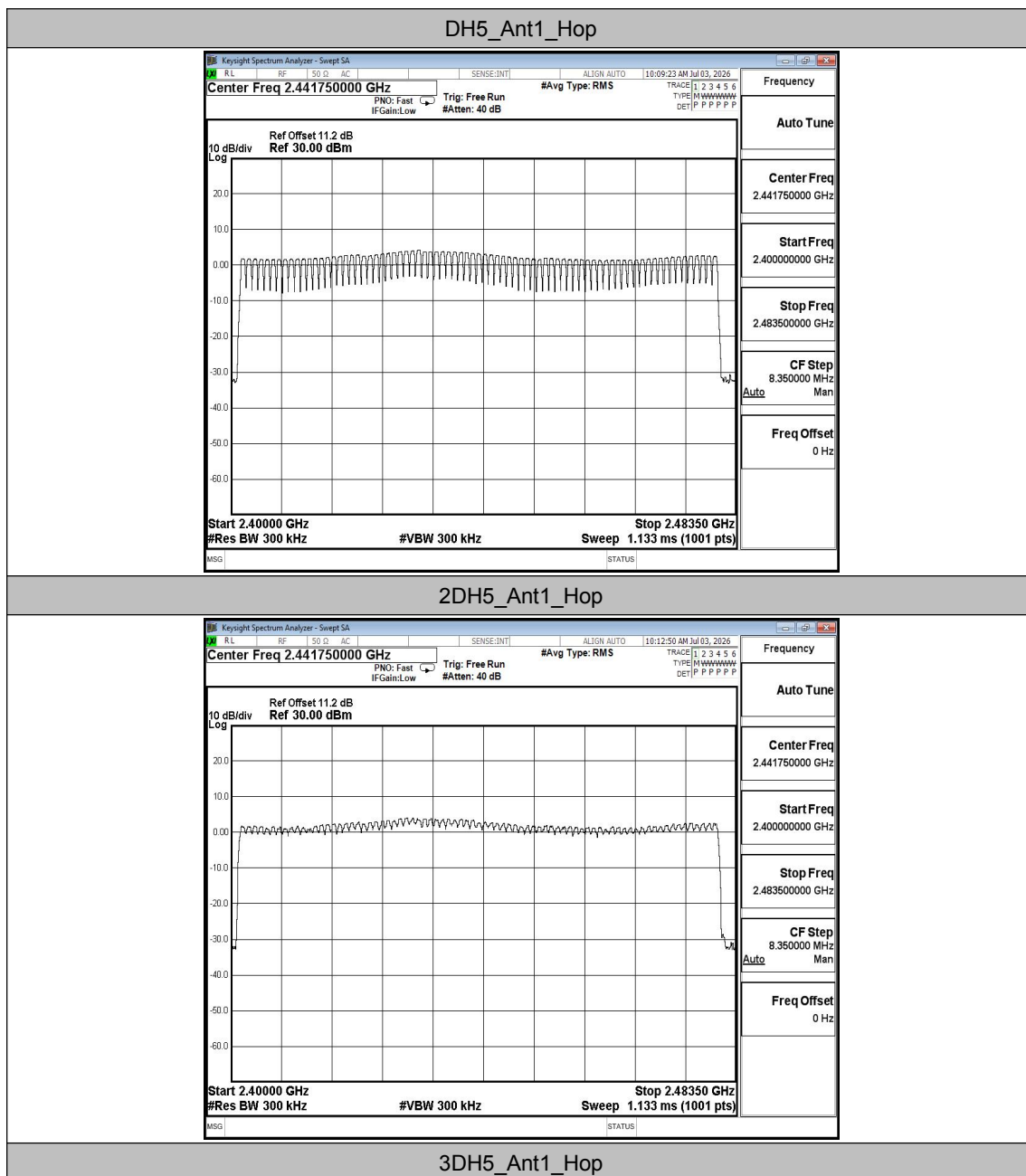


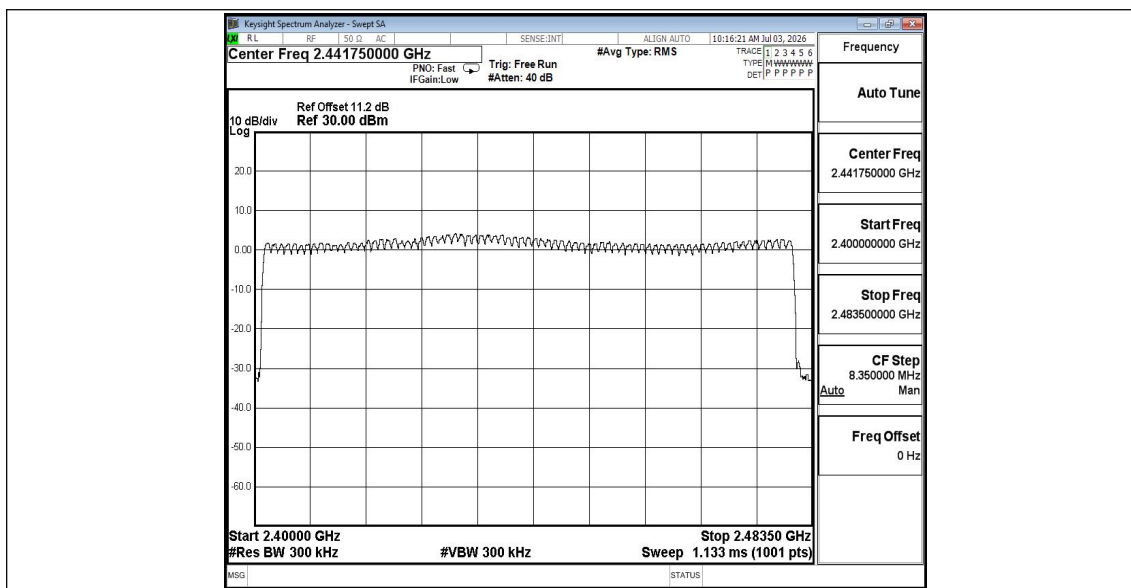
A.5 Number of hopping channels

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



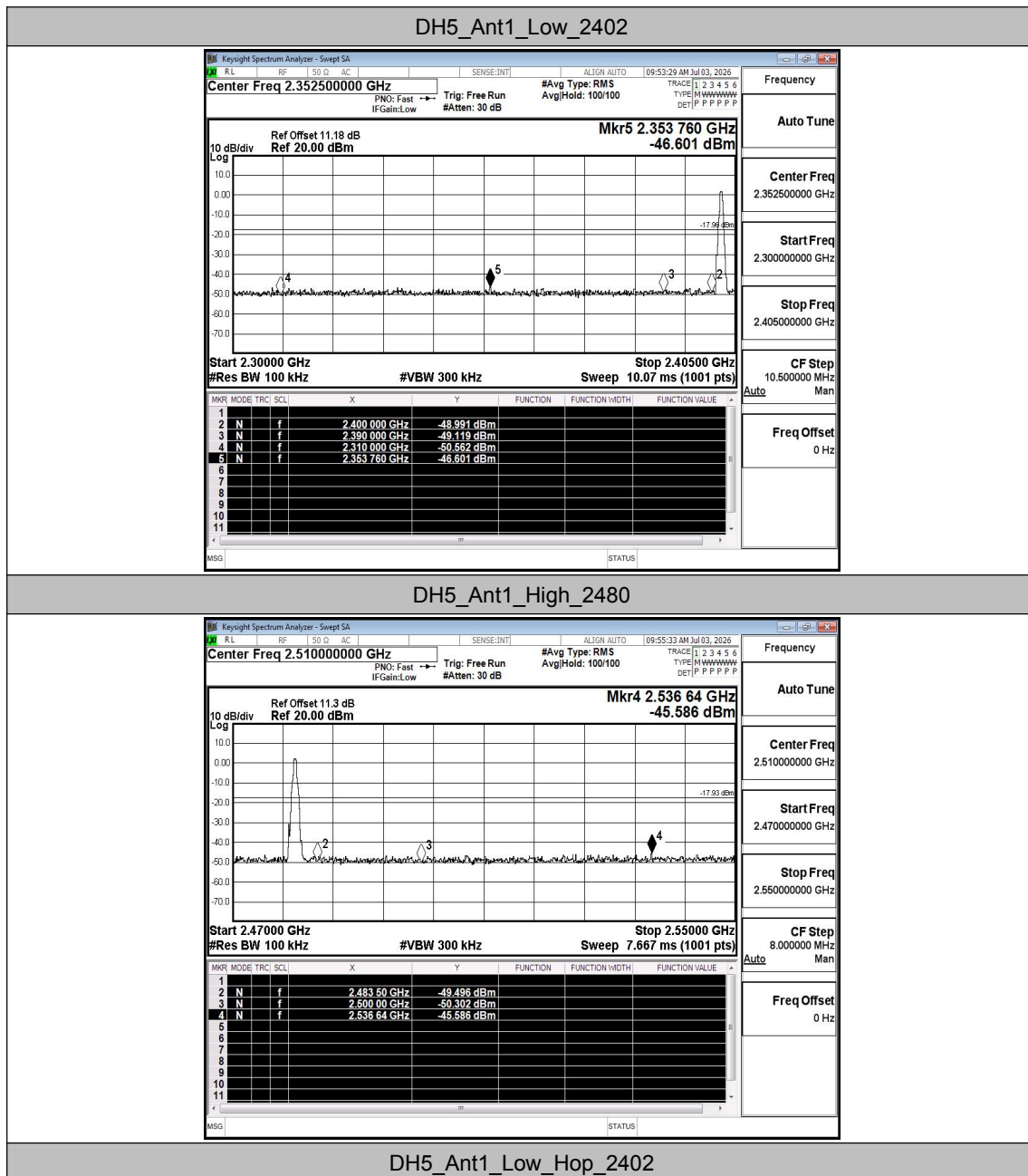


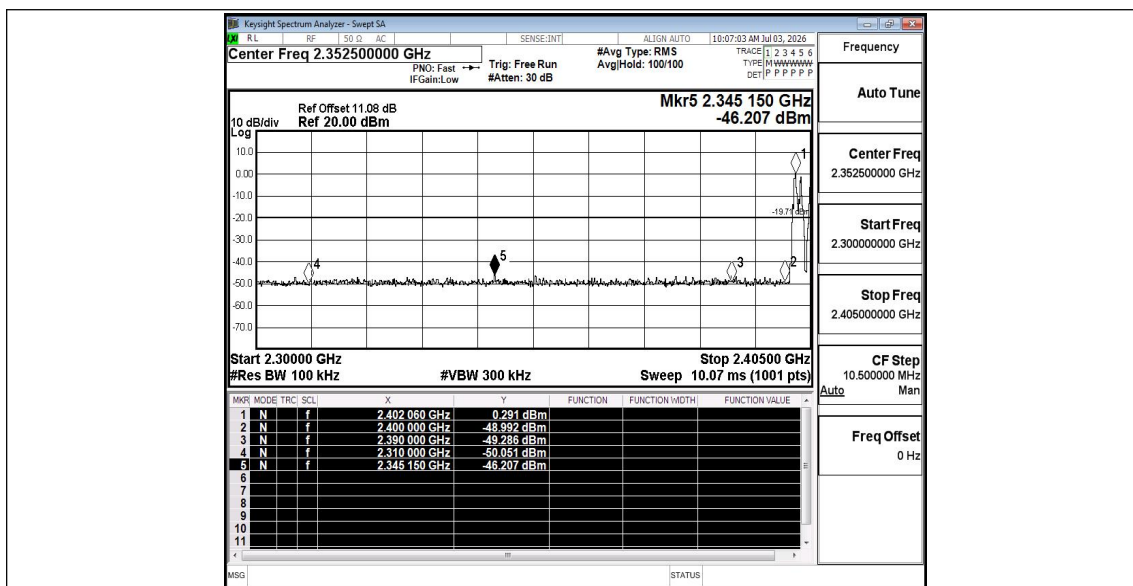
A.6 Band edge measurements

Test Result

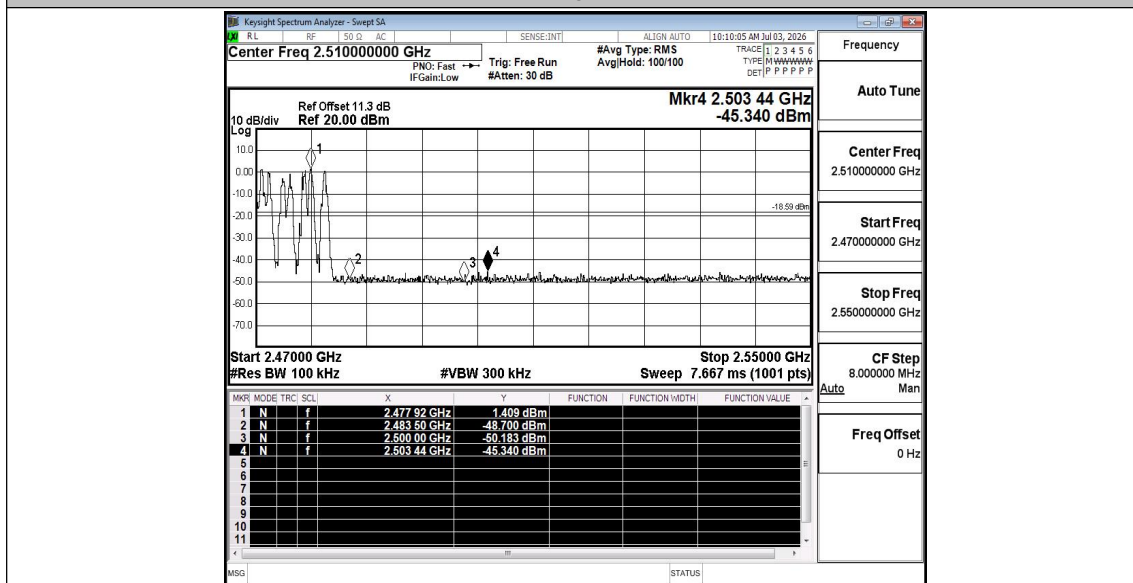
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.04	-46.6	≤ -17.96	PASS
		High	2480	2.07	-45.59	≤ -17.93	PASS
		Low	Hop_2402	0.29	-46.21	≤ -19.71	PASS
		High	Hop_2480	1.41	-45.34	≤ -18.59	PASS
2DH5	Ant1	Low	2402	1.26	-46.53	≤ -18.74	PASS
		High	2480	2.03	-45.69	≤ -17.97	PASS
		Low	Hop_2402	-2.03	-46.85	≤ -22.03	PASS
		High	Hop_2480	0.71	-45.53	≤ -19.29	PASS
3DH5	Ant1	Low	2402	1.58	-46.13	≤ -18.42	PASS
		High	2480	2.25	-46.03	≤ -17.75	PASS
		Low	Hop_2402	-2.45	-46.38	≤ -22.45	PASS
		High	Hop_2480	-0.43	-45.72	≤ -20.43	PASS

Test Graphs





DH5 Ant1 High Hop 2480



2DH5 Ant1 Low 2402

