

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Conference Speakerphone

Test Model: CF08C

Environmental Conditions

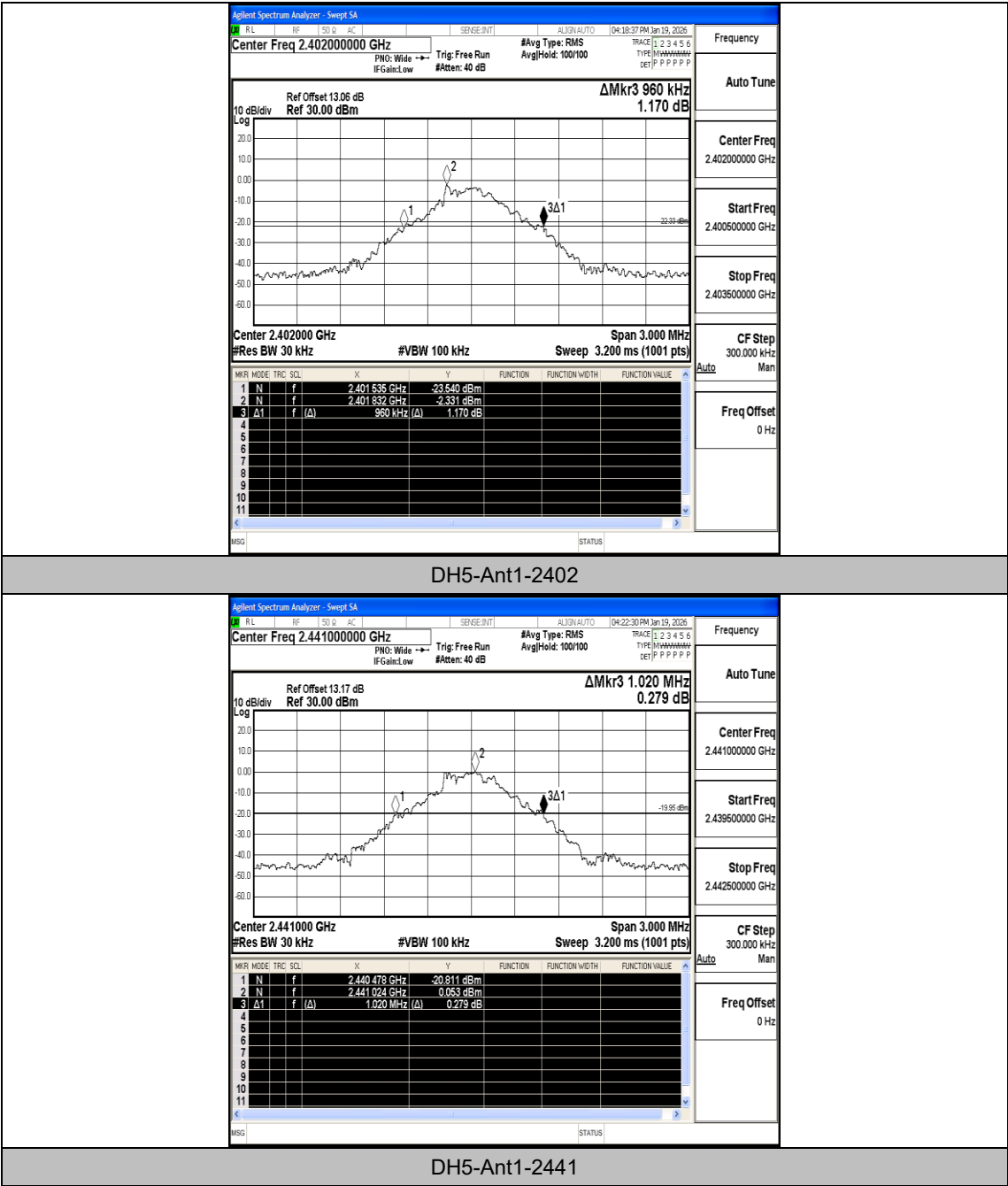
Temperature:	24.1°C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Yan Chen
Supervised by:	Fengliu Tang

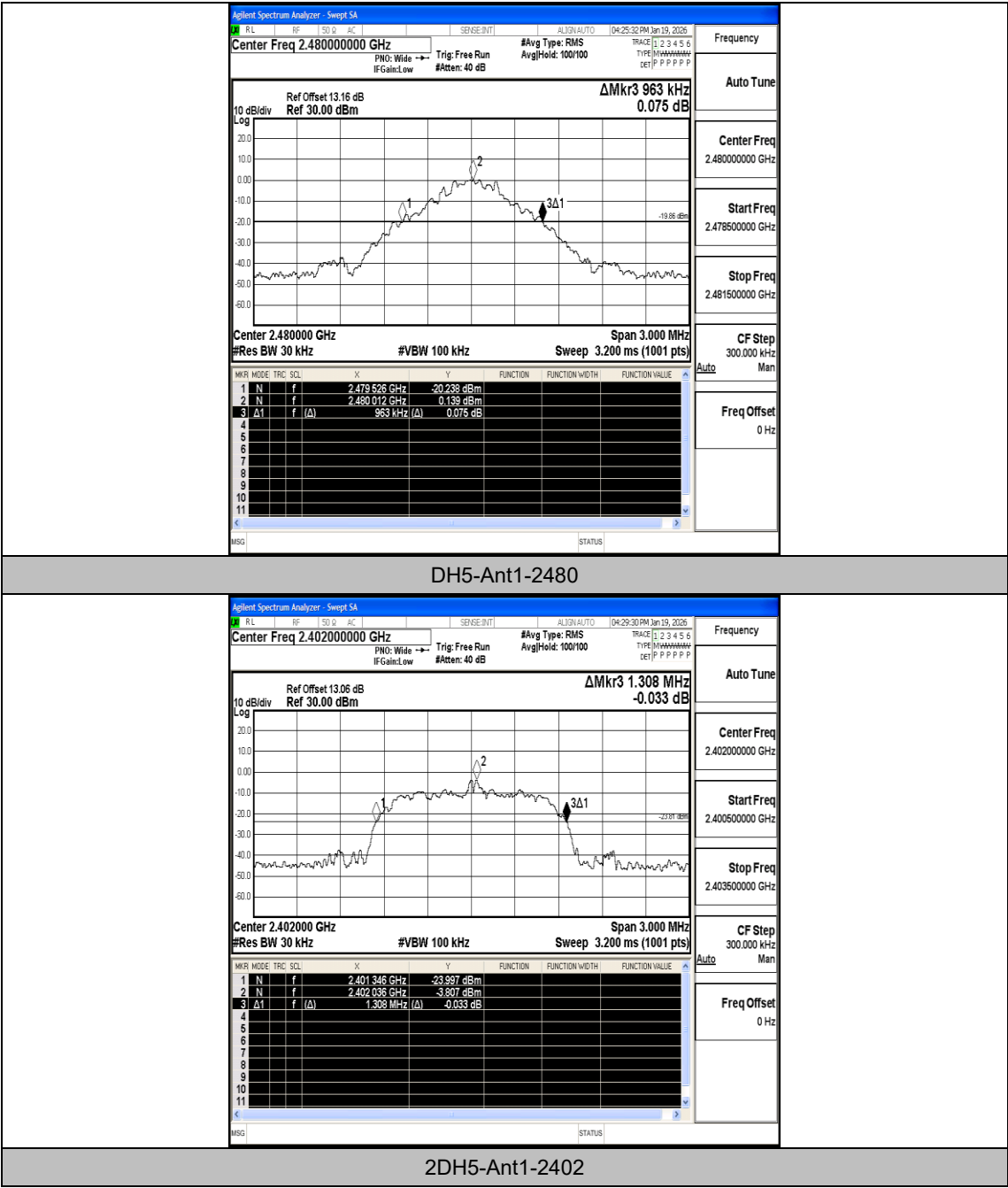
A.1 20dB Emission Bandwidth

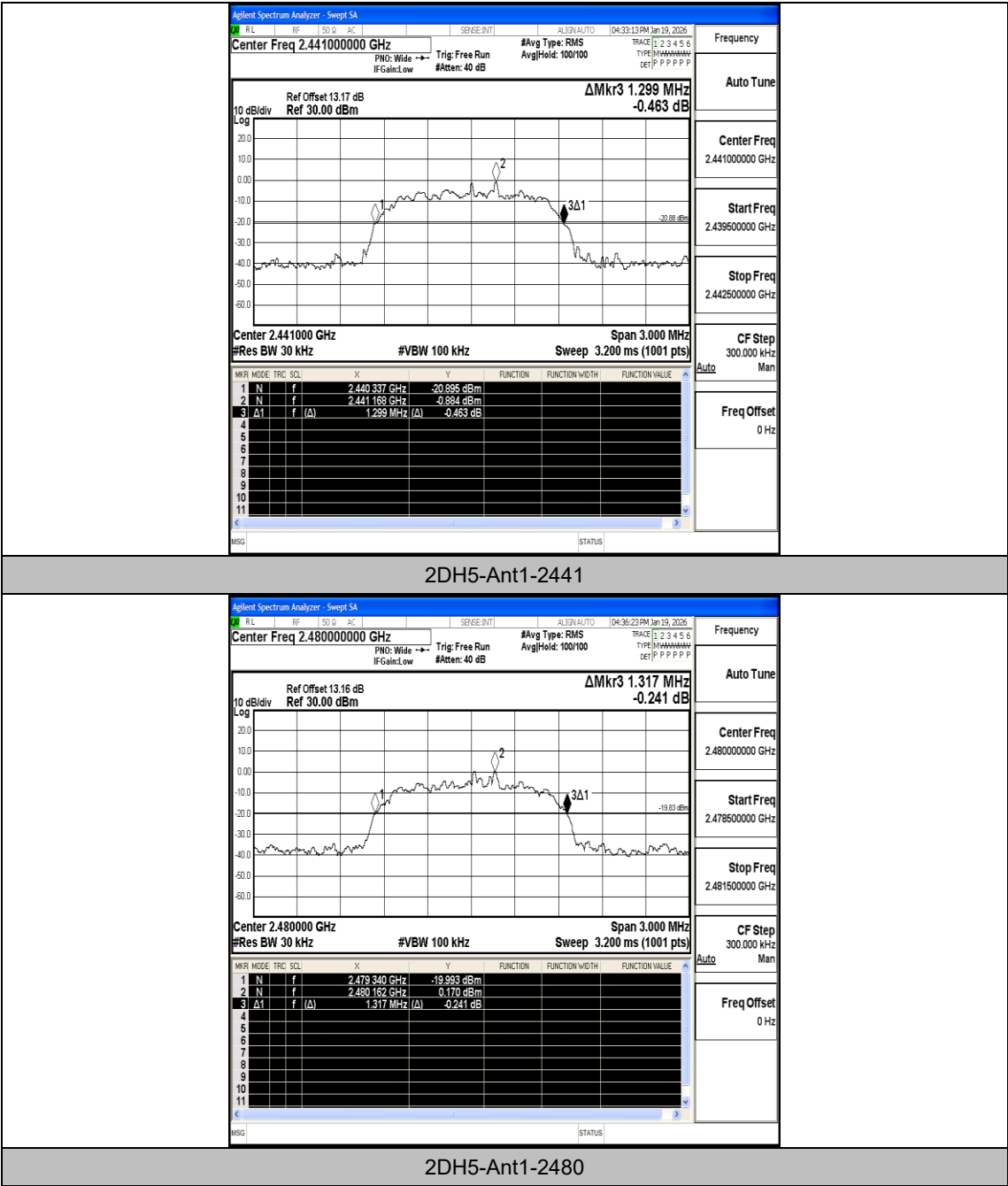
Test Result

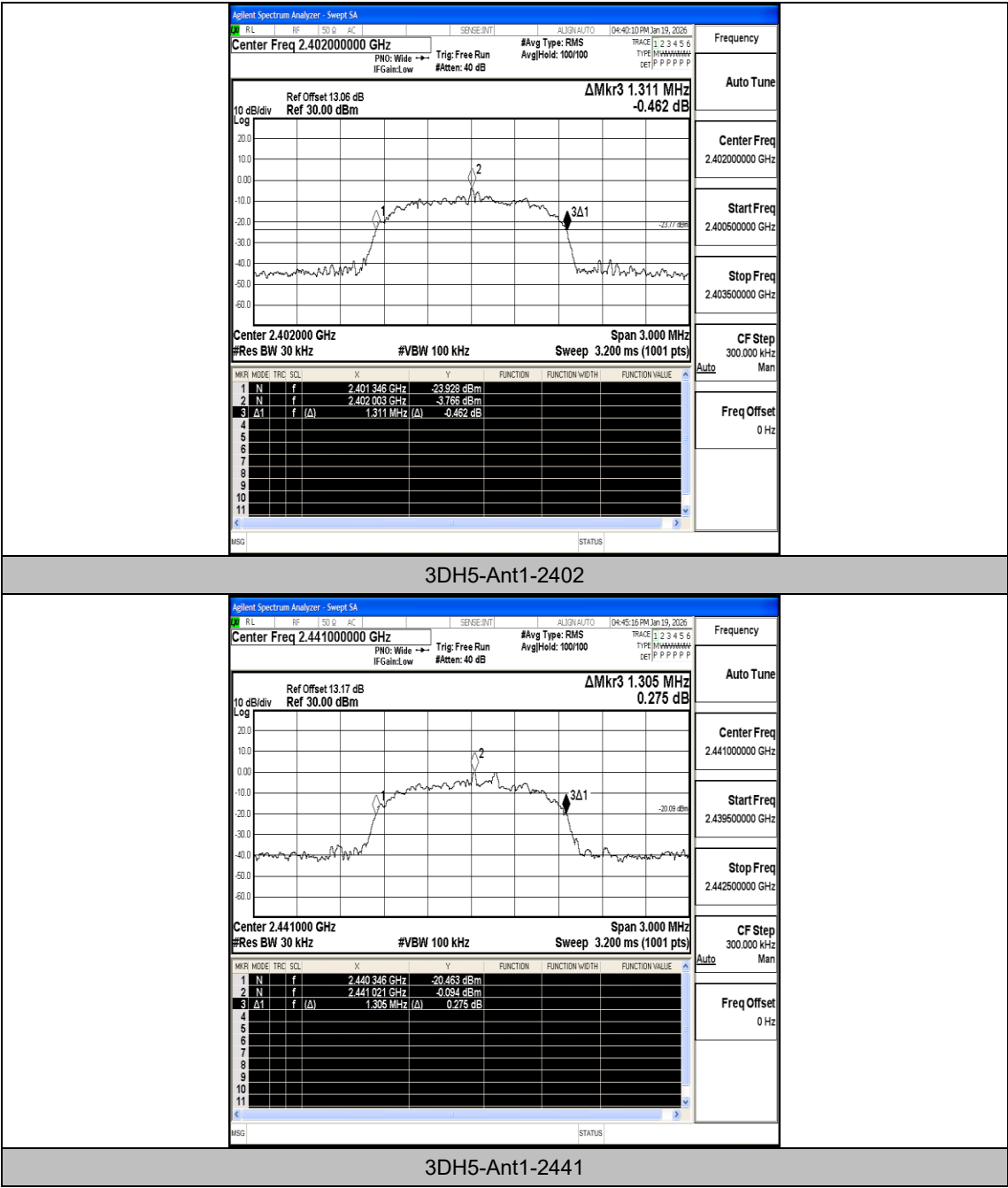
TestMode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.960	2401.535	2402.495	---	---
DH5	Ant1	2441	1.020	2440.478	2441.498	---	---
DH5	Ant1	2480	0.963	2479.526	2480.489	---	---
2DH5	Ant1	2402	1.308	2401.346	2402.654	---	---
2DH5	Ant1	2441	1.299	2440.337	2441.636	---	---
2DH5	Ant1	2480	1.317	2479.340	2480.657	---	---
3DH5	Ant1	2402	1.311	2401.346	2402.657	---	---
3DH5	Ant1	2441	1.305	2440.346	2441.651	---	---
3DH5	Ant1	2480	1.305	2479.346	2480.651	---	---

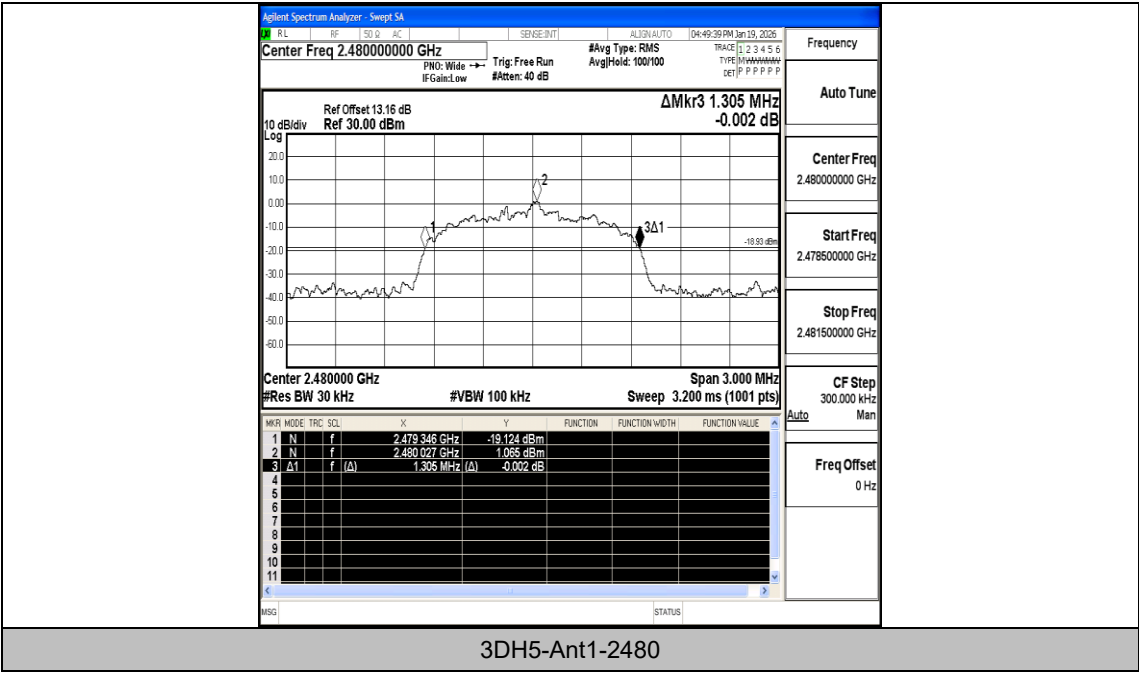
Test Graphs









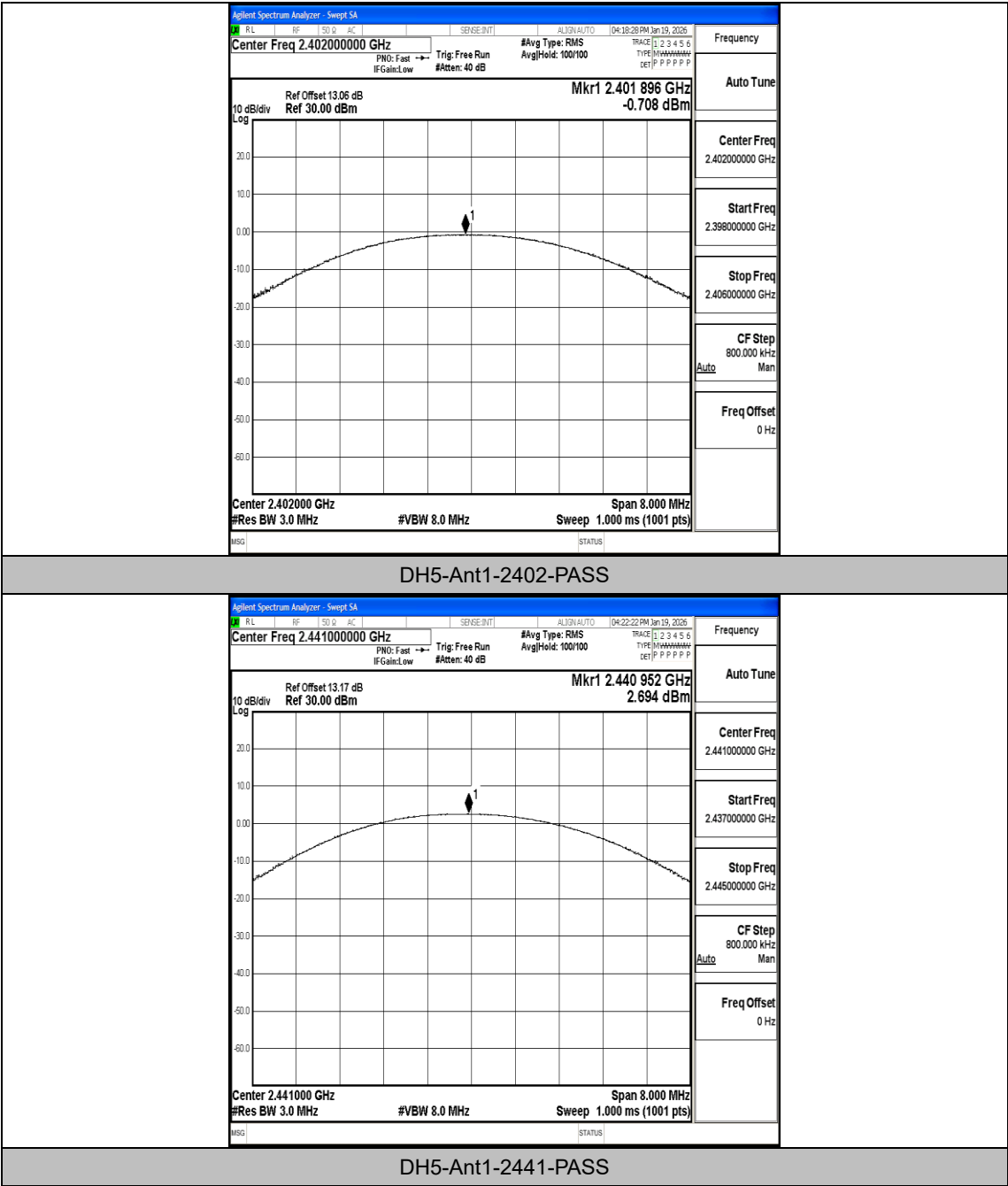


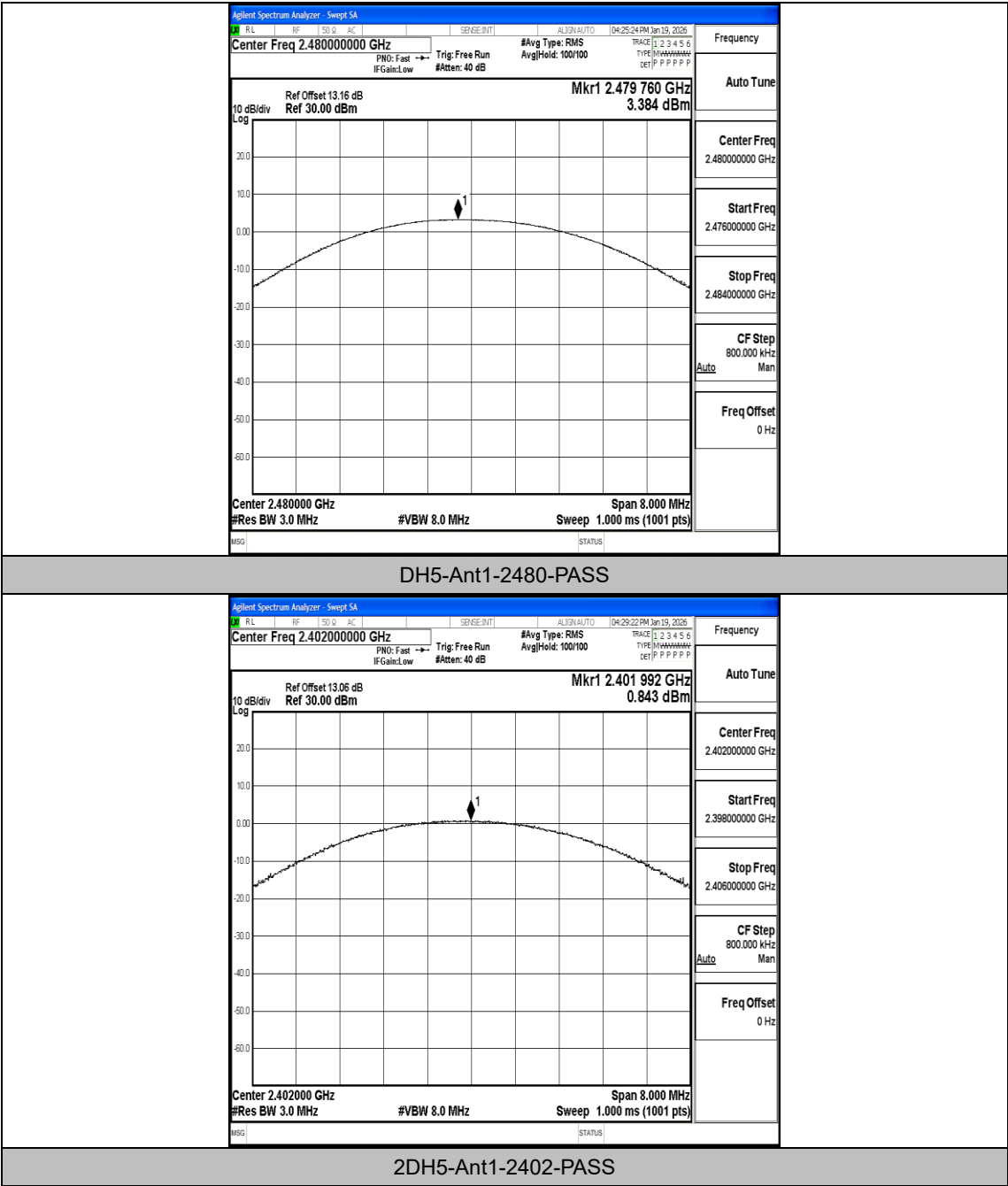
A.2 Maximum Peak conducted output power

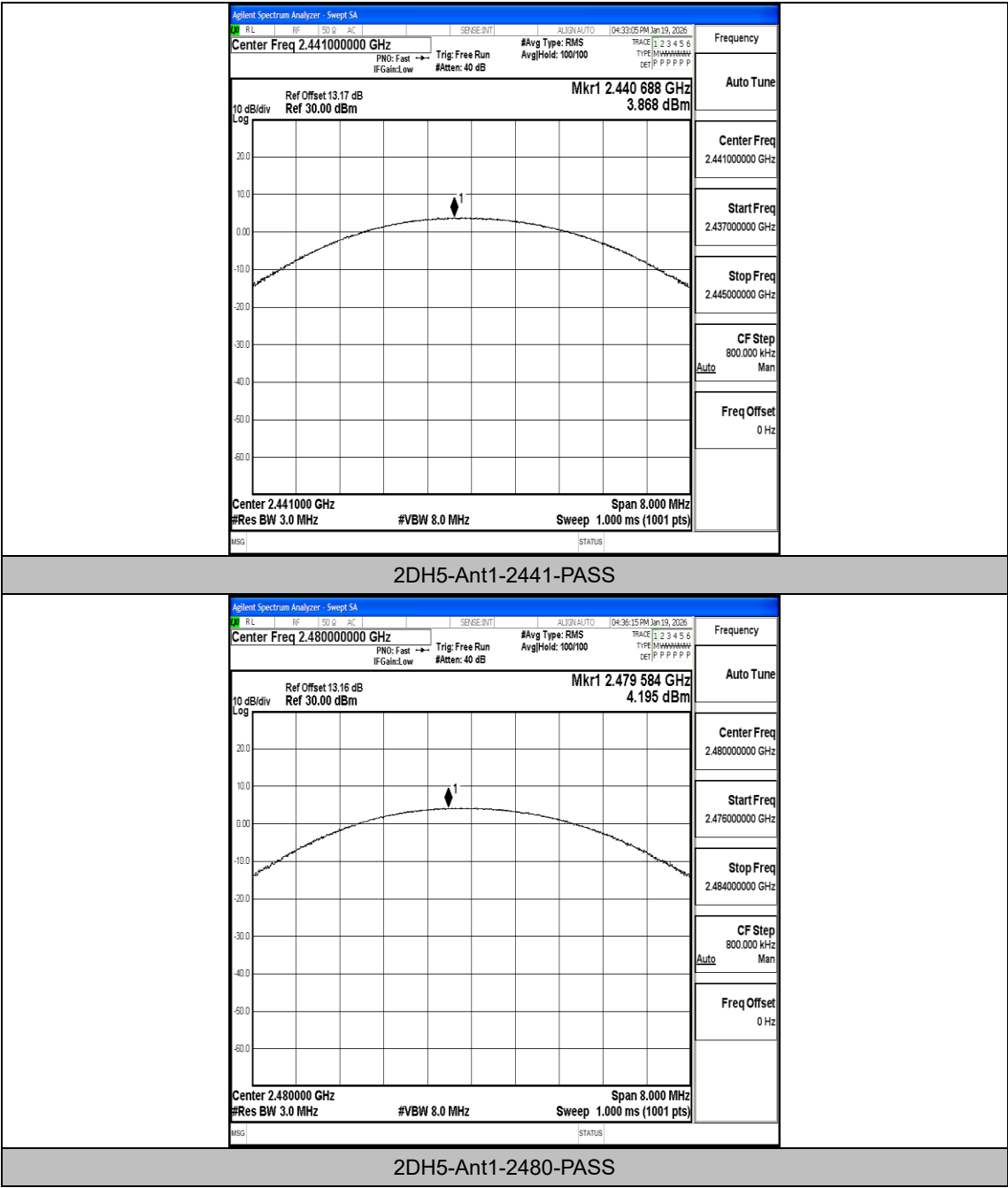
Test Result Peak

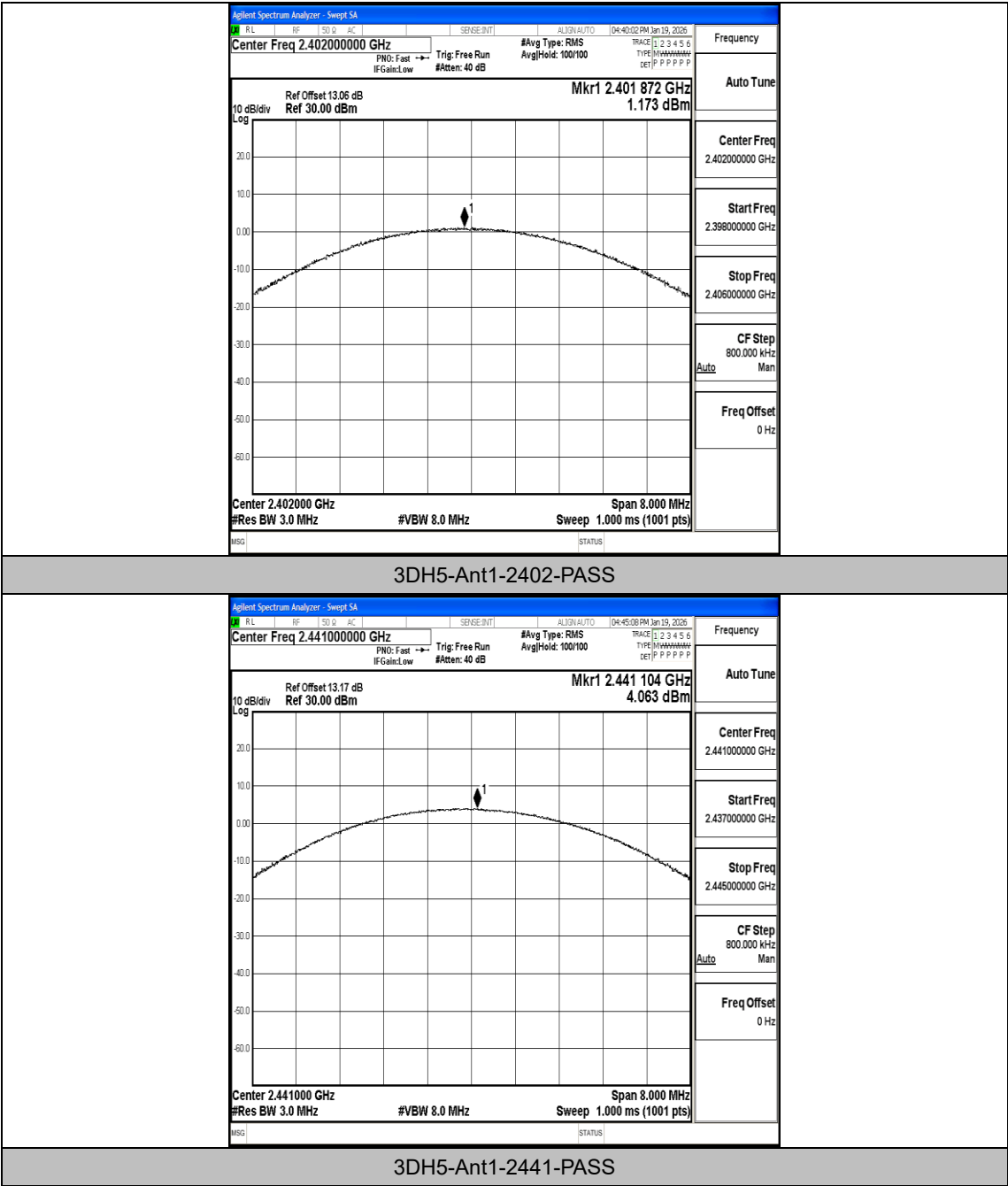
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.71	≤30	PASS
DH5	Ant1	2441	2.69	≤30	PASS
DH5	Ant1	2480	3.38	≤30	PASS
2DH5	Ant1	2402	0.84	≤30	PASS
2DH5	Ant1	2441	3.87	≤30	PASS
2DH5	Ant1	2480	4.20	≤30	PASS
3DH5	Ant1	2402	1.17	≤30	PASS
3DH5	Ant1	2441	4.06	≤30	PASS
3DH5	Ant1	2480	4.44	≤30	PASS

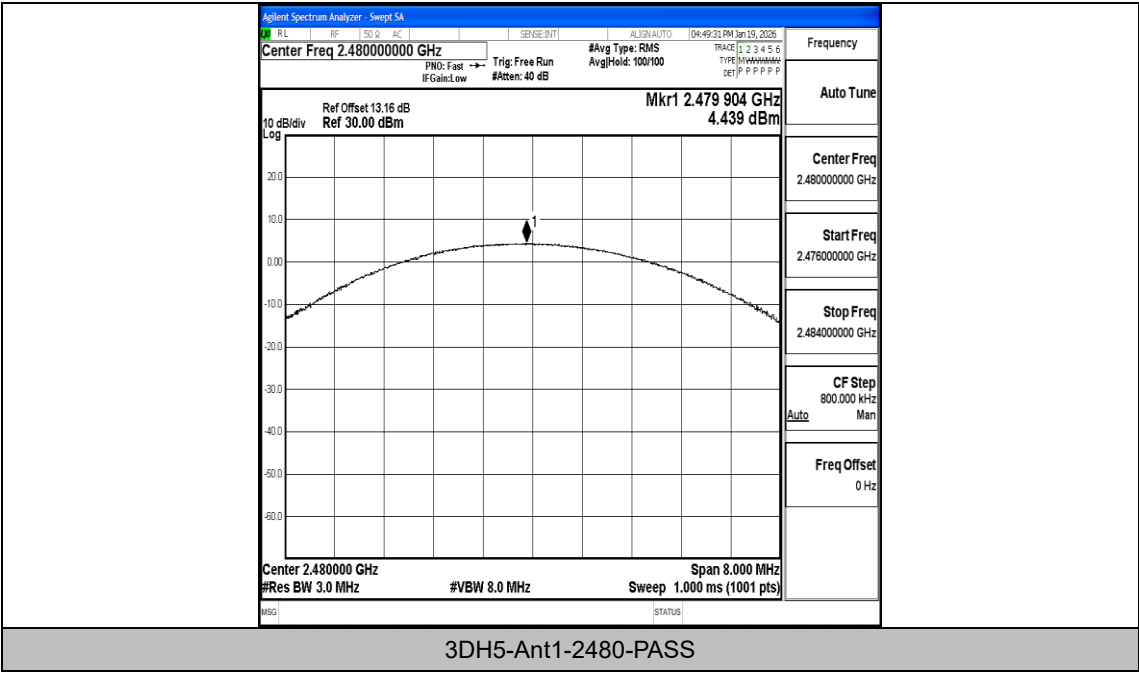
Test Graphs









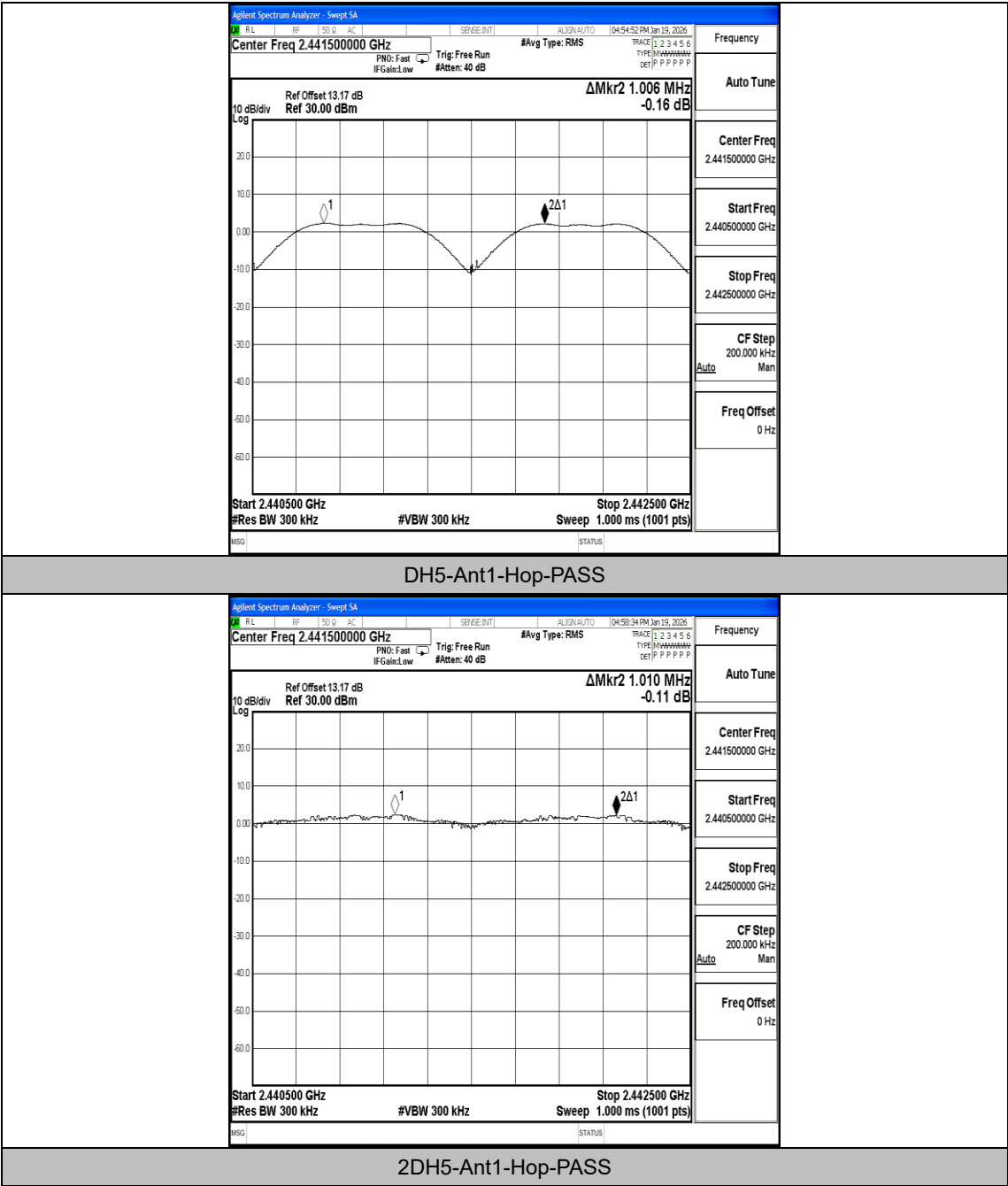


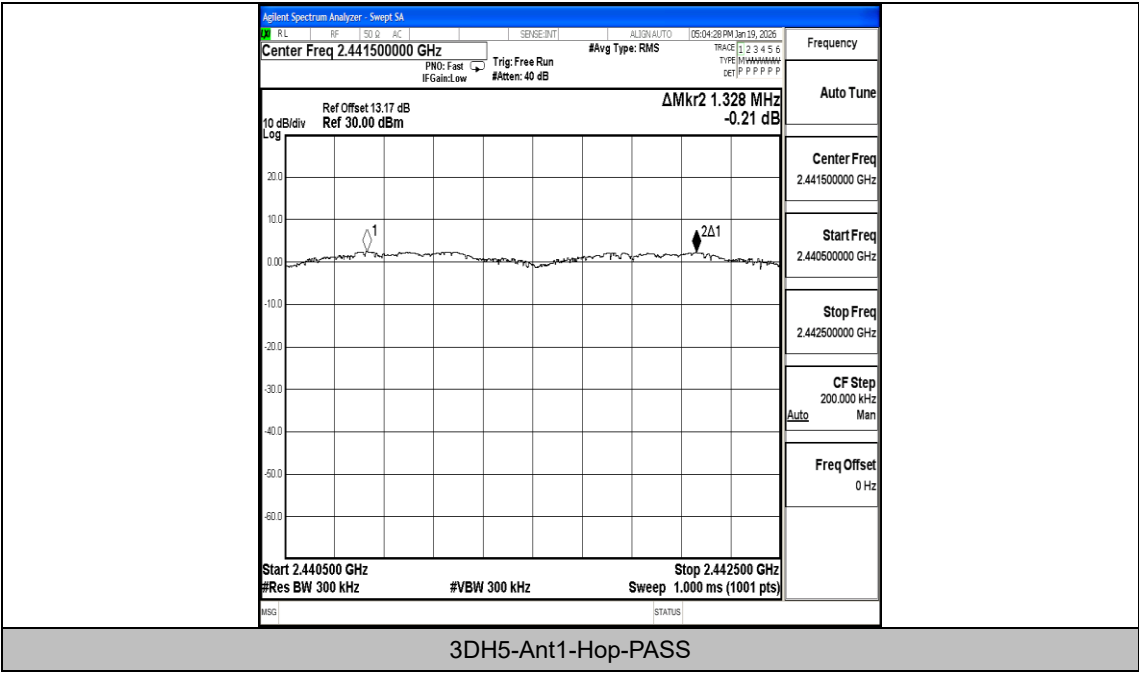
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.680	PASS
2DH5	Ant1	Hop	1.01	≥ 0.878	PASS
3DH5	Ant1	Hop	1.328	≥ 1.311	PASS

Test Graphs



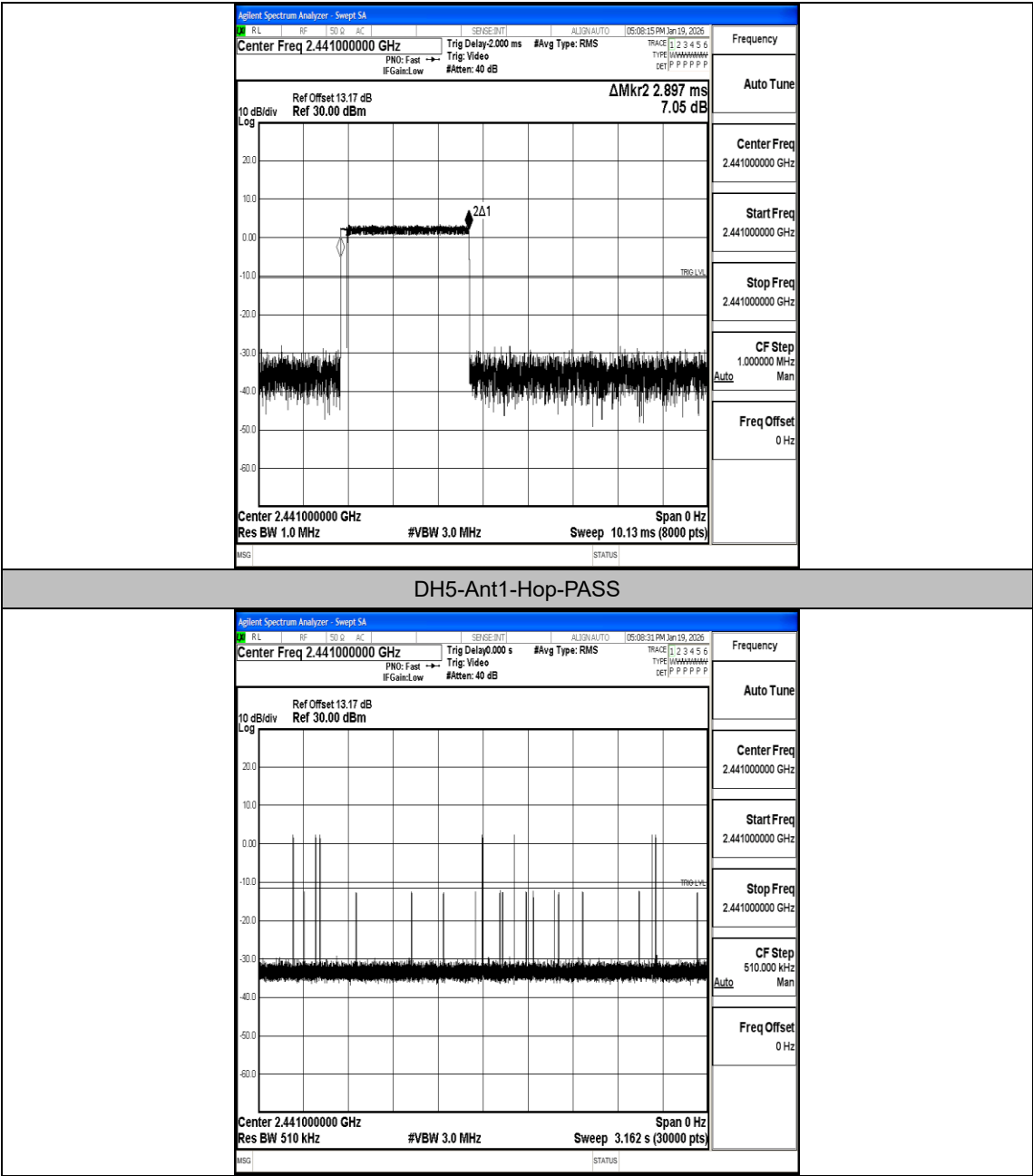


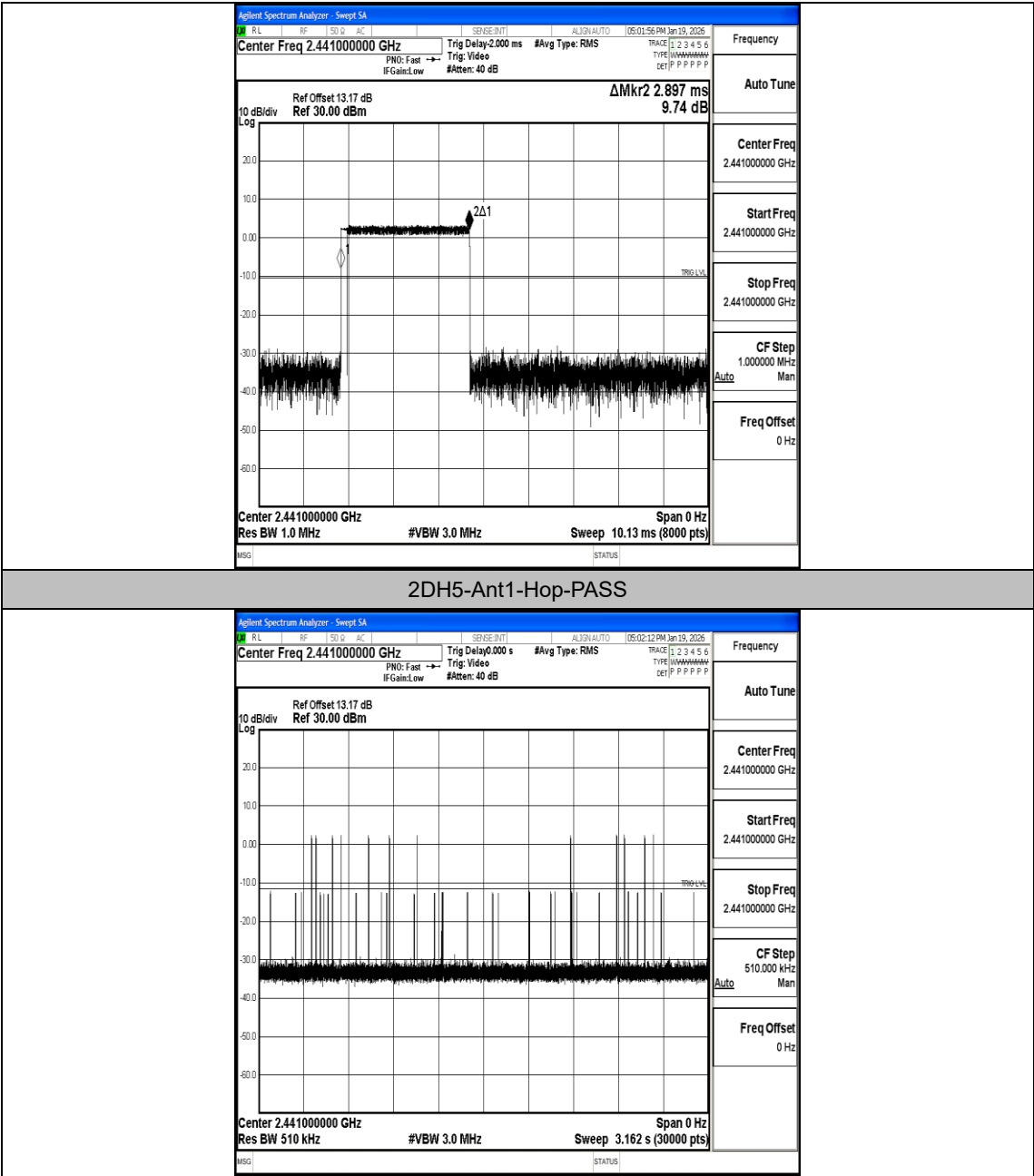
A.4 Time of occupancy

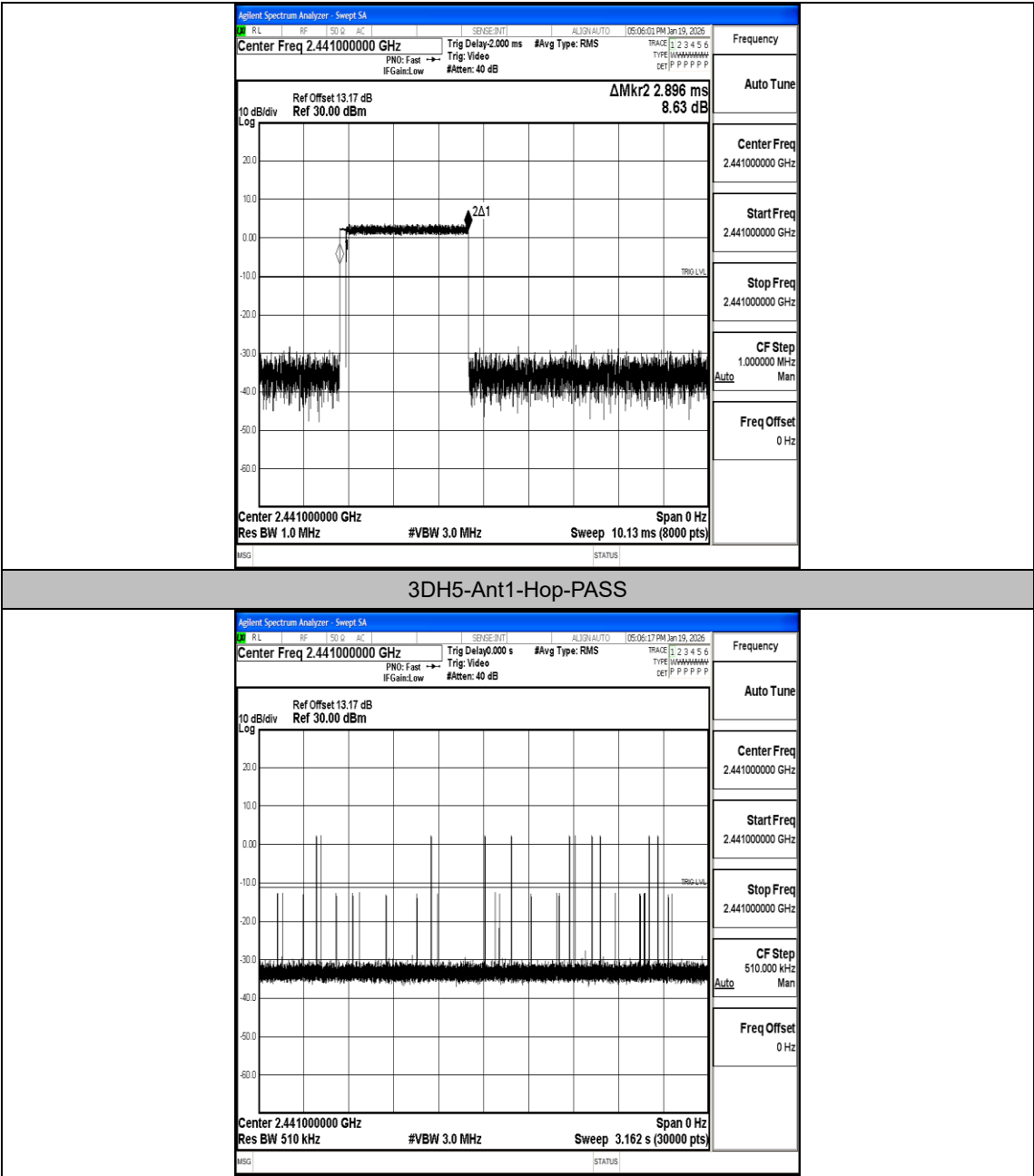
Test Result

TestMode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.897	80	0.232	≤0.4	PASS
2DH5	Ant1	Hop	2.897	130	0.377	≤0.4	PASS
3DH5	Ant1	Hop	2.896	120	0.348	≤0.4	PASS

Test Graphs





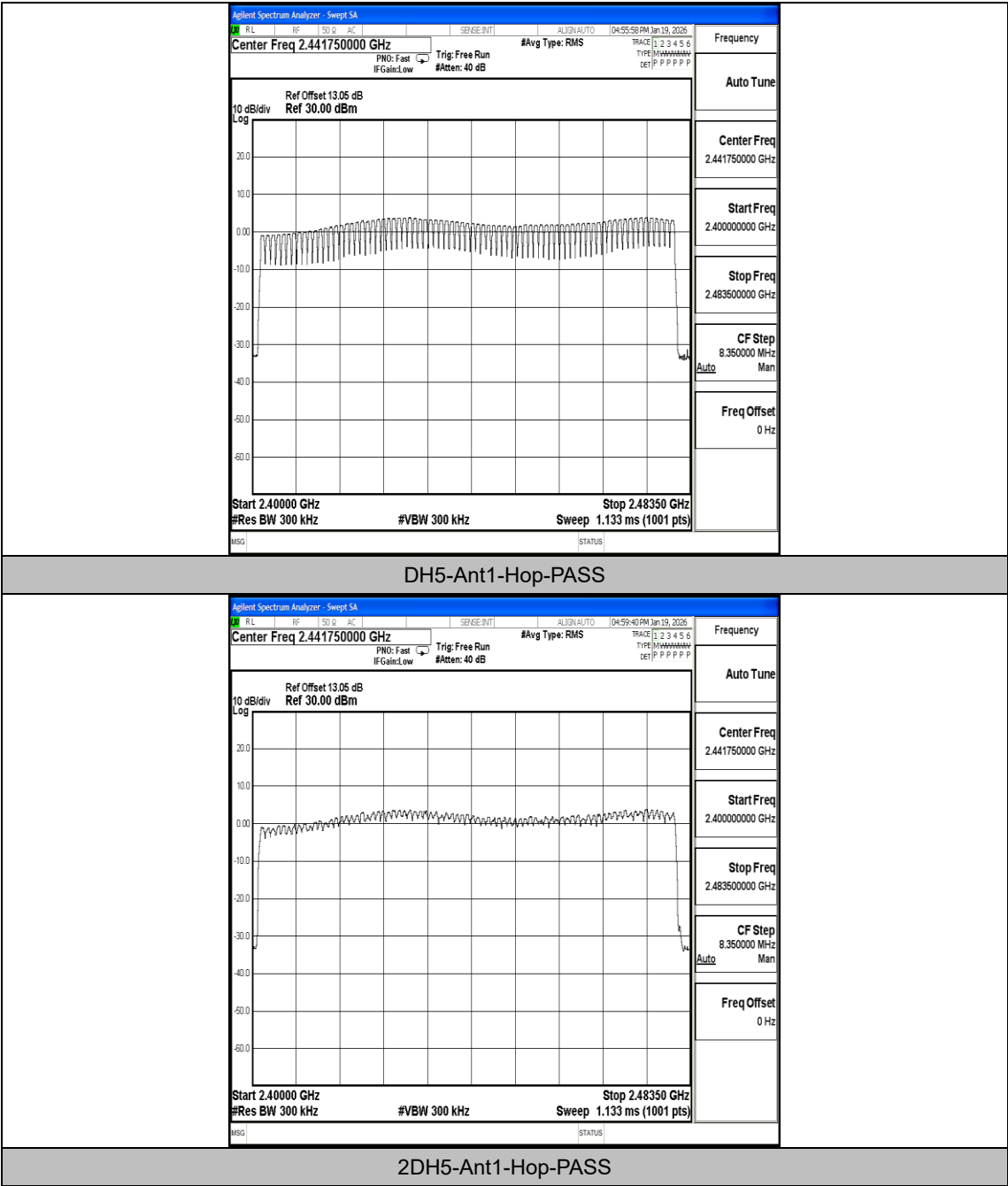


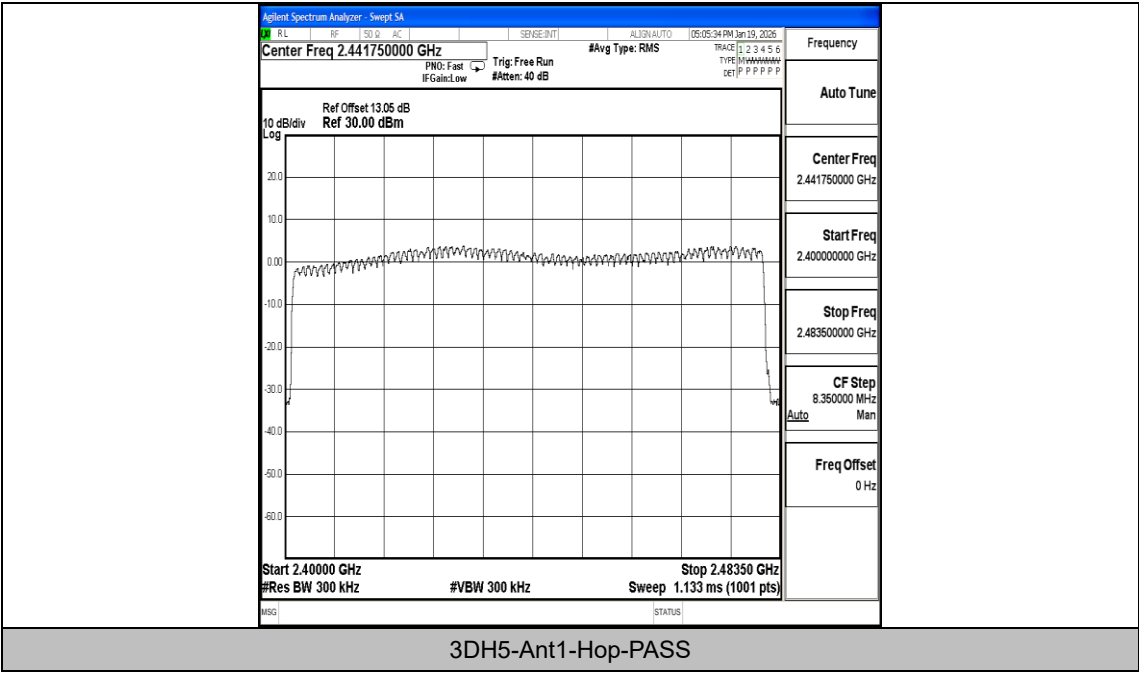
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Frequency [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



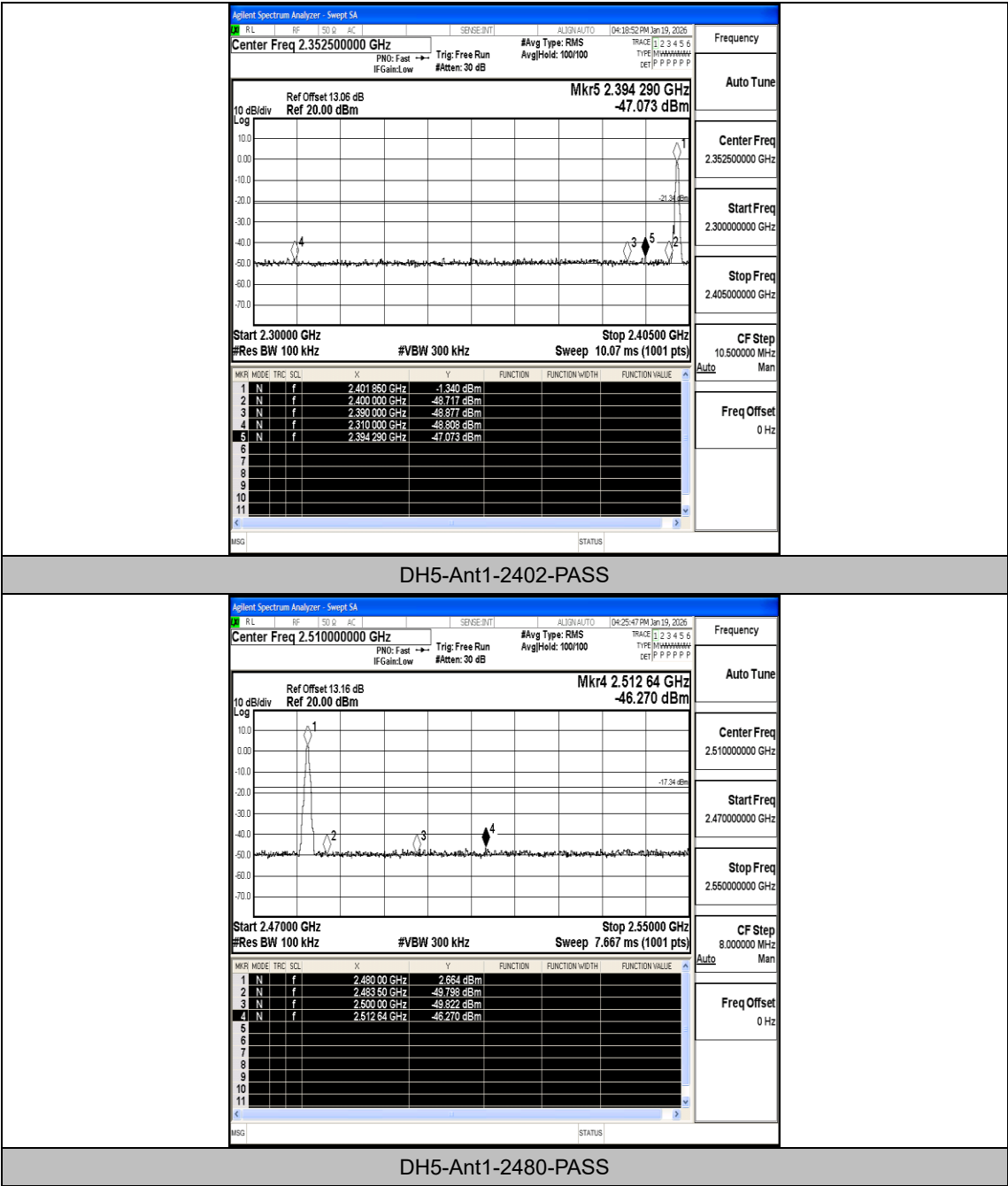


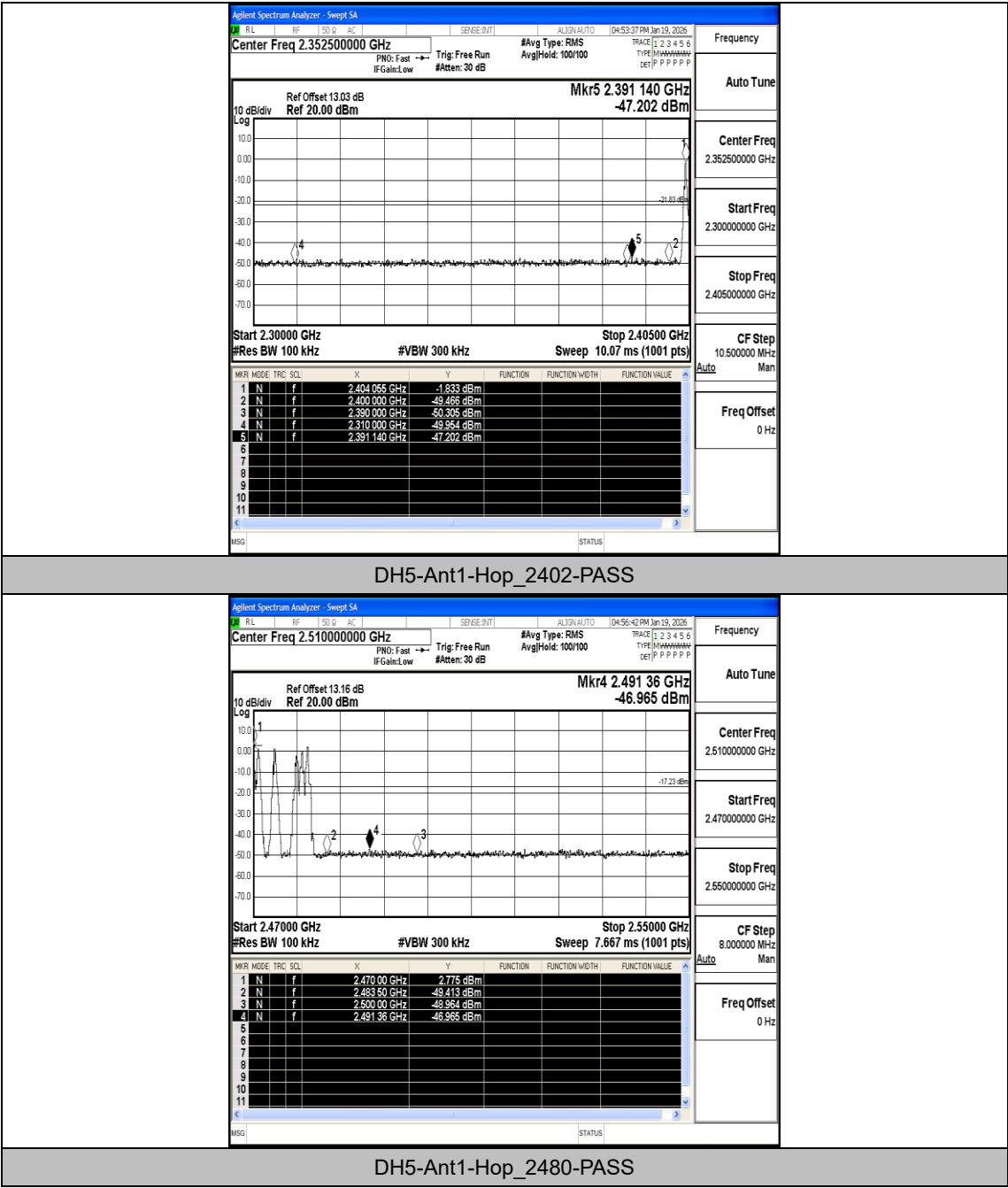
A.6 Band edge measurements

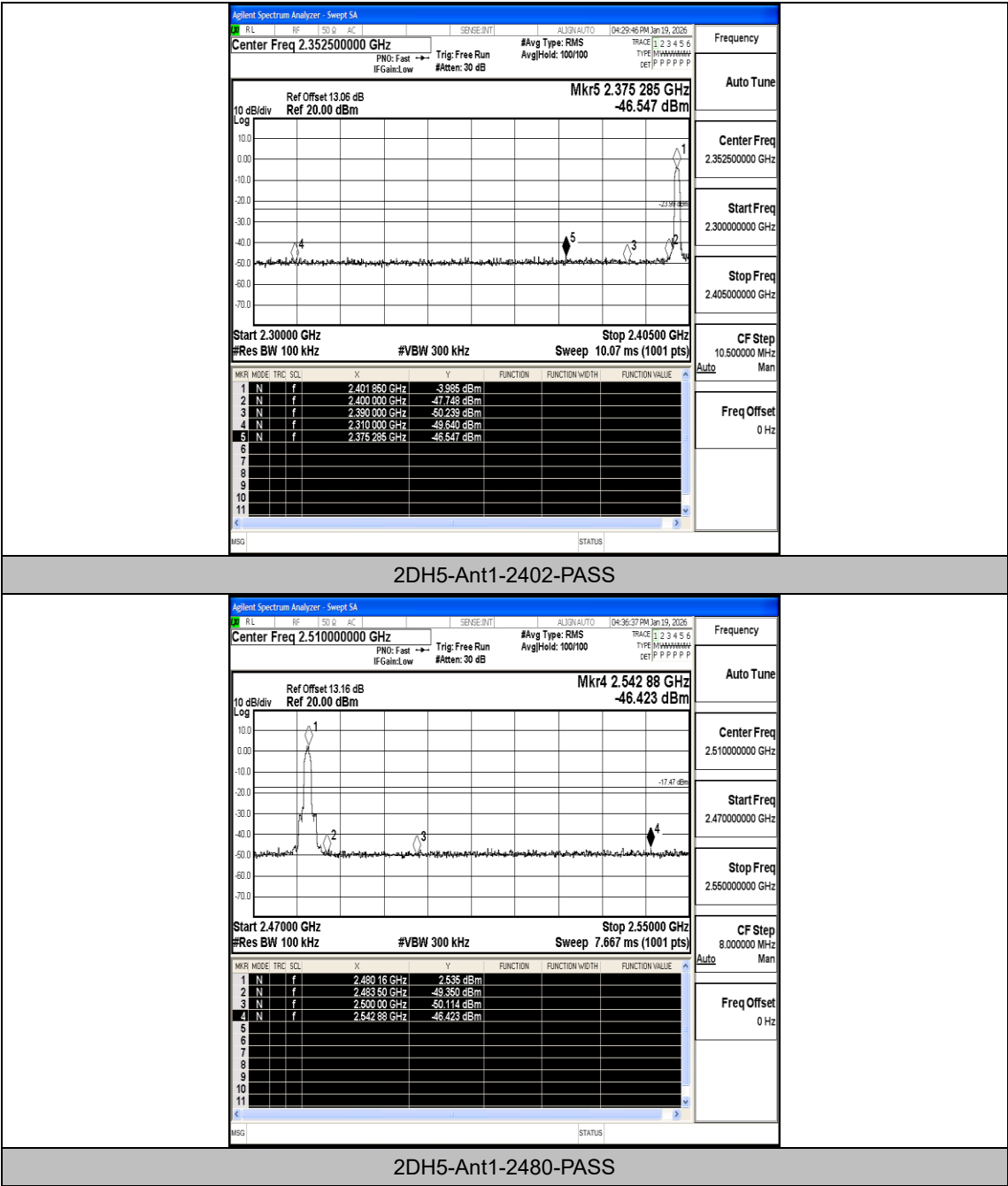
Test Result

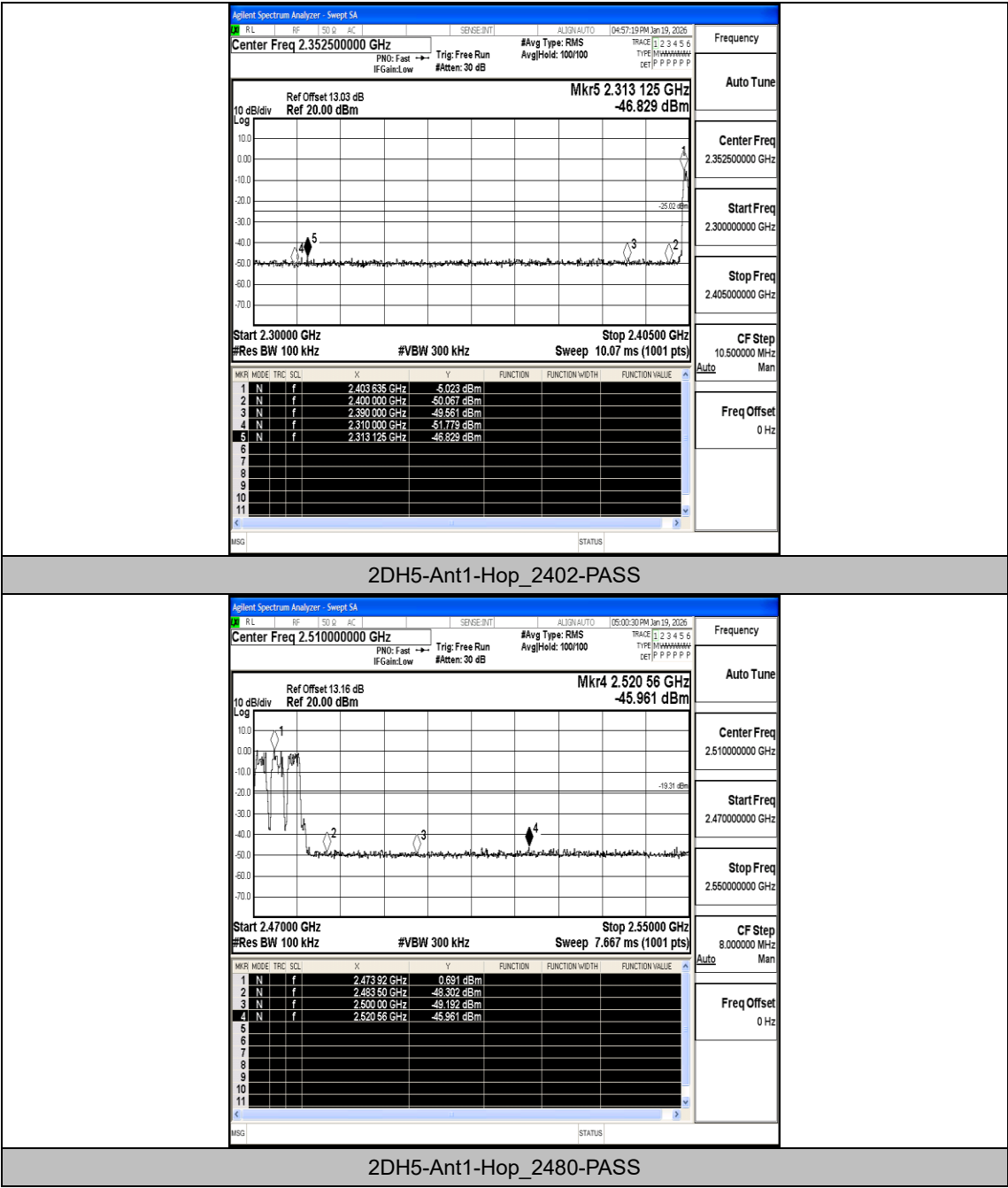
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.34	-47.07	≤ -21.34	PASS
DH5	Ant1	High	2480	2.66	-46.27	≤ -17.34	PASS
DH5	Ant1	Low	Hop_2402	-1.83	-47.2	≤ -21.83	PASS
DH5	Ant1	High	Hop_2480	2.78	-46.97	≤ -17.23	PASS
2DH5	Ant1	Low	2402	-3.99	-46.55	≤ -23.99	PASS
2DH5	Ant1	High	2480	2.54	-46.42	≤ -17.47	PASS
2DH5	Ant1	Low	Hop_2402	-5.02	-46.83	≤ -25.02	PASS
2DH5	Ant1	High	Hop_2480	0.69	-45.96	≤ -19.31	PASS
3DH5	Ant1	Low	2402	-2.65	-46.6	≤ -22.65	PASS
3DH5	Ant1	High	2480	2.54	-45.85	≤ -17.46	PASS
3DH5	Ant1	Low	Hop_2402	-4.75	-46.93	≤ -24.75	PASS
3DH5	Ant1	High	Hop_2480	-0.09	-46.11	≤ -20.09	PASS

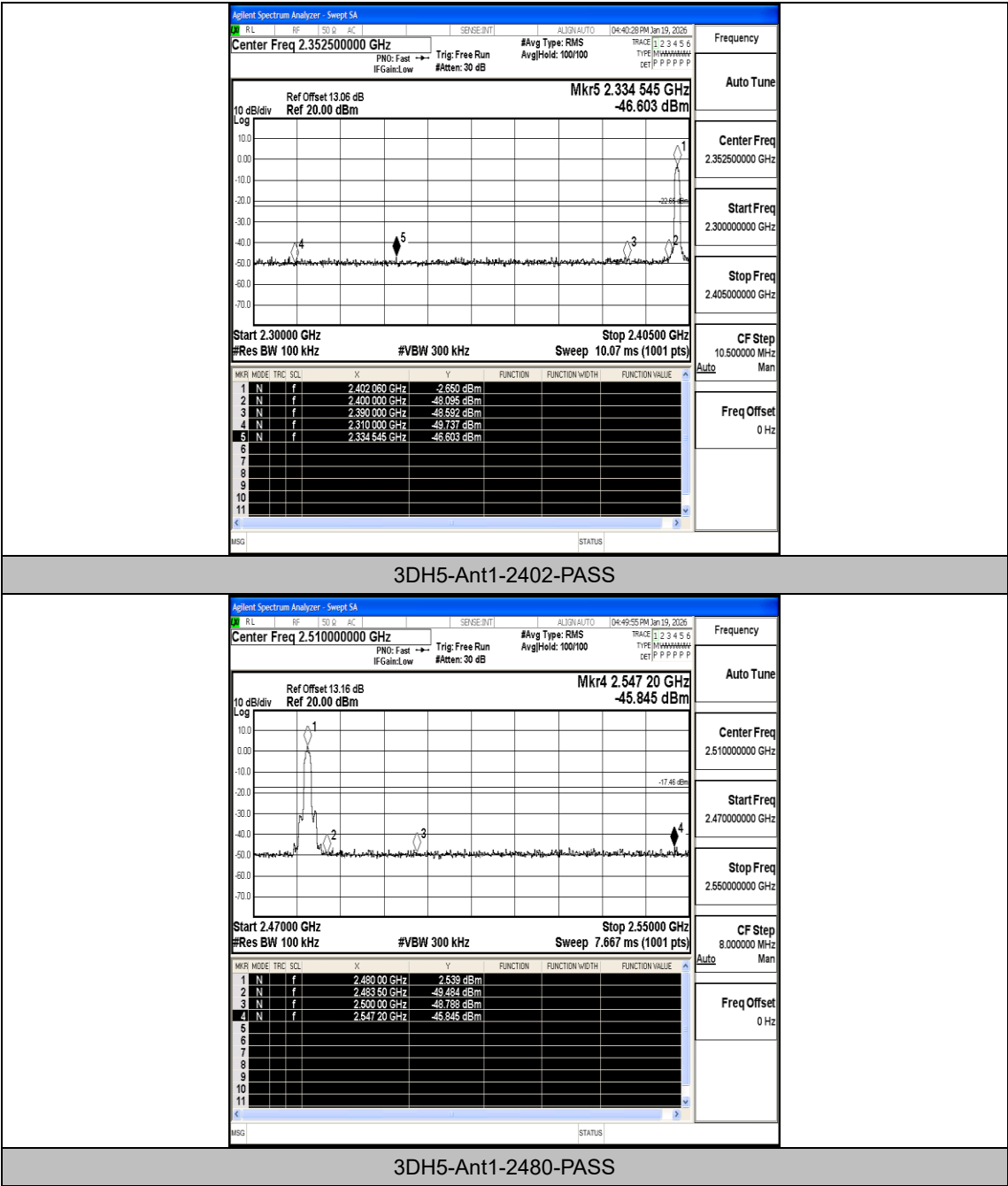
Test Graphs

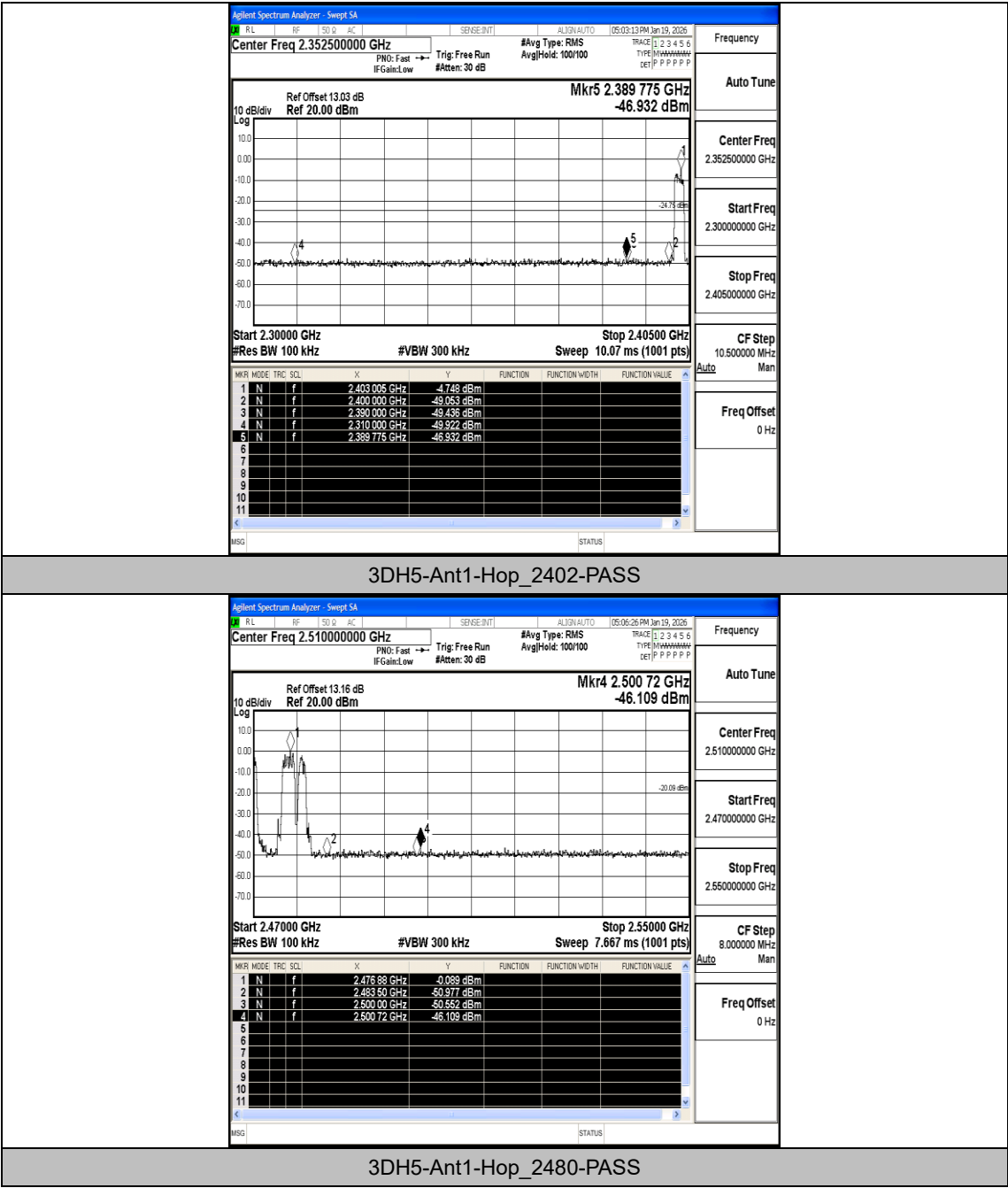












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.85	-1.85	---	PASS
DH5	Ant1	2402	30~1000	-1.85	-56.6	≤-21.85	PASS
DH5	Ant1	2402	1000~26500	-1.85	-44.96	≤-21.85	PASS
DH5	Ant1	2441	0~Reference	1.53	1.53	---	PASS
DH5	Ant1	2441	30~1000	1.53	-55.61	≤-18.47	PASS
DH5	Ant1	2441	1000~26500	1.53	-40.72	≤-18.47	PASS
DH5	Ant1	2480	0~Reference	2.20	2.20	---	PASS
DH5	Ant1	2480	30~1000	2.20	-55.89	≤-17.8	PASS
DH5	Ant1	2480	1000~26500	2.20	-44.68	≤-17.8	PASS
2DH5	Ant1	2402	0~Reference	-3.04	-3.04	---	PASS
2DH5	Ant1	2402	30~1000	-3.04	-56.45	≤-23.04	PASS
2DH5	Ant1	2402	1000~26500	-3.04	-43	≤-23.04	PASS
2DH5	Ant1	2441	0~Reference	0.80	0.80	---	PASS
2DH5	Ant1	2441	30~1000	0.80	-56.26	≤-19.2	PASS
2DH5	Ant1	2441	1000~26500	0.80	-44.59	≤-19.2	PASS
2DH5	Ant1	2480	0~Reference	-0.87	-0.87	---	PASS
2DH5	Ant1	2480	30~1000	-0.87	-56.6	≤-20.87	PASS
2DH5	Ant1	2480	1000~26500	-0.87	-39.75	≤-20.87	PASS
3DH5	Ant1	2402	0~Reference	-4.09	-4.09	---	PASS
3DH5	Ant1	2402	30~1000	-4.09	-56.37	≤-24.09	PASS
3DH5	Ant1	2402	1000~26500	-4.09	-44.75	≤-24.09	PASS
3DH5	Ant1	2441	0~Reference	-0.33	-0.33	---	PASS
3DH5	Ant1	2441	30~1000	-0.33	-55.31	≤-20.33	PASS
3DH5	Ant1	2441	1000~26500	-0.33	-44.52	≤-20.33	PASS
3DH5	Ant1	2480	0~Reference	2.77	2.77	---	PASS
3DH5	Ant1	2480	30~1000	2.77	-56.69	≤-17.23	PASS
3DH5	Ant1	2480	1000~26500	2.77	-44	≤-17.23	PASS

Test Graphs

