

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: OWS Bluetooth headset

Trade Mark: /

Test Model: OWS-S39

FCC ID: 2A96C-OWS-S39

Environmental Conditions

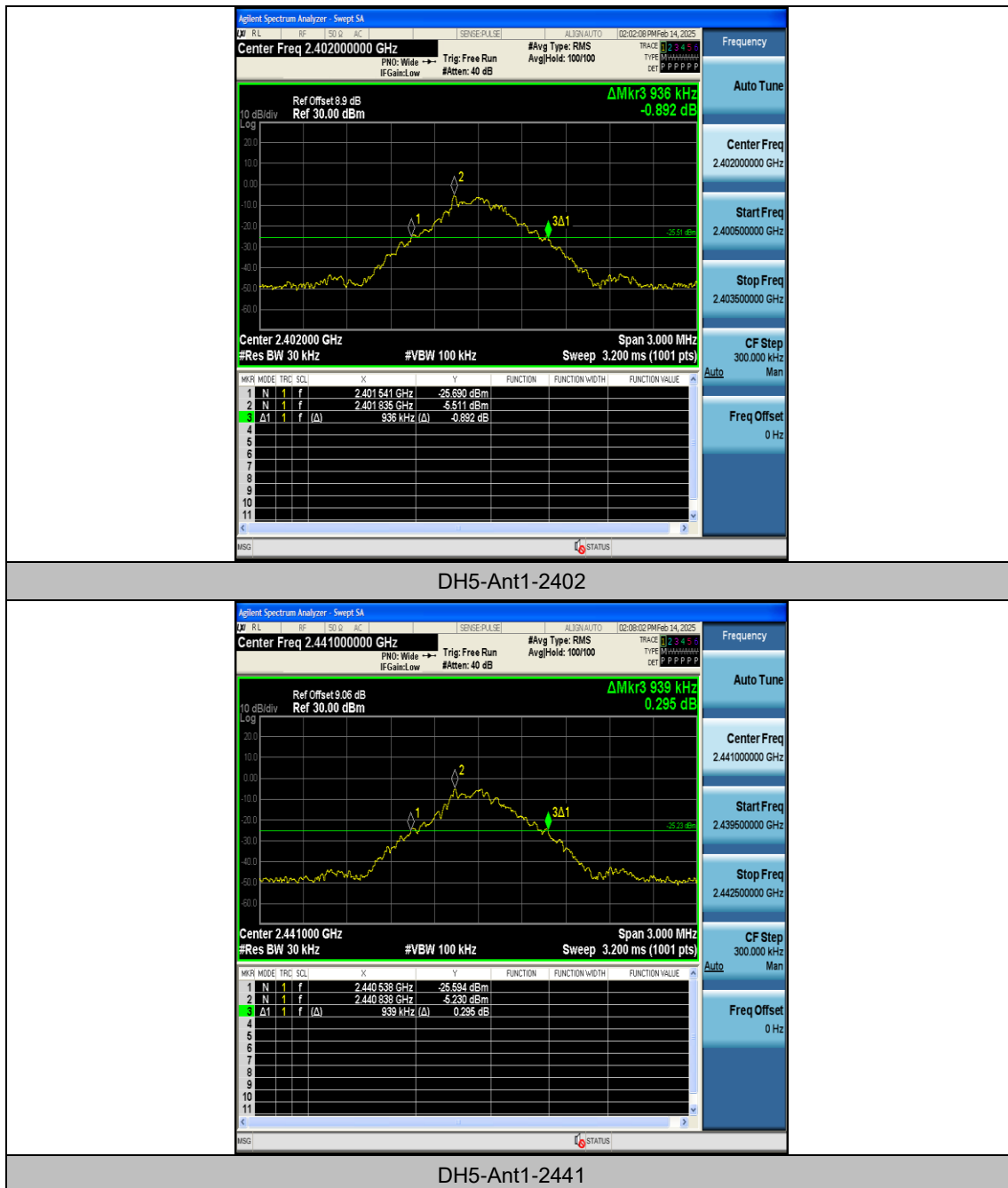
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.936	2401.541	2402.477	---	---
DH5	Ant1	2441	0.939	2440.538	2441.477	---	---
DH5	Ant1	2480	0.873	2479.544	2480.417	---	---
2DH5	Ant1	2402	1.335	2401.331	2402.666	---	---
2DH5	Ant1	2441	1.203	2440.397	2441.600	---	---
2DH5	Ant1	2480	1.317	2479.340	2480.657	---	---
3DH5	Ant1	2402	1.257	2401.367	2402.624	---	---
3DH5	Ant1	2441	1.308	2440.355	2441.663	---	---
3DH5	Ant1	2480	1.263	2479.367	2480.630	---	---

Test Graphs

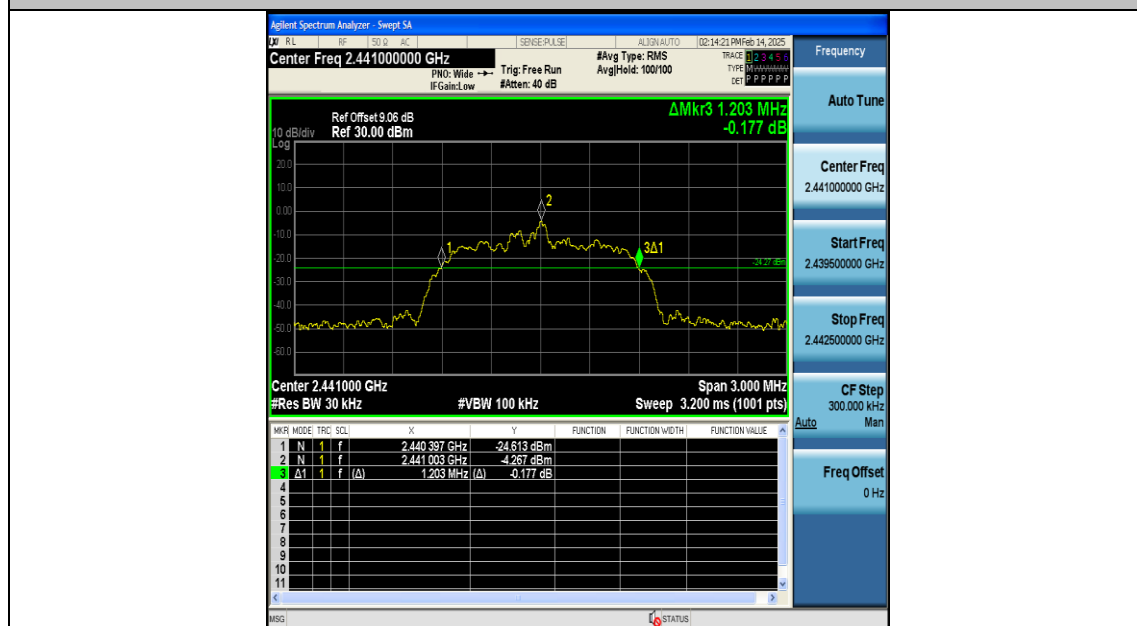




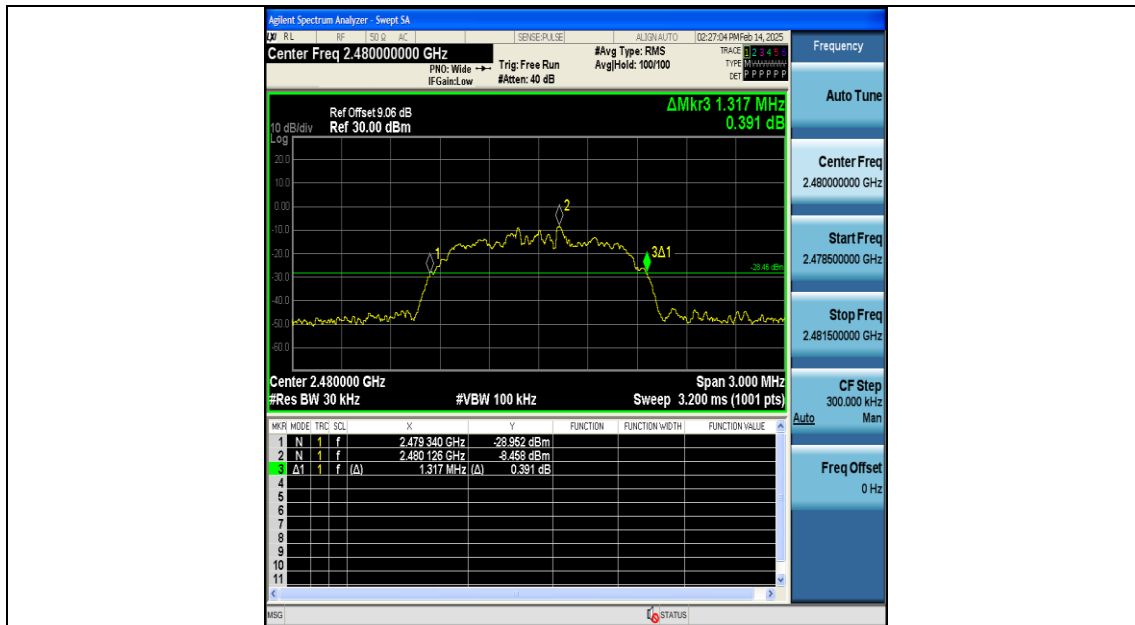
DH5-Ant1-2480



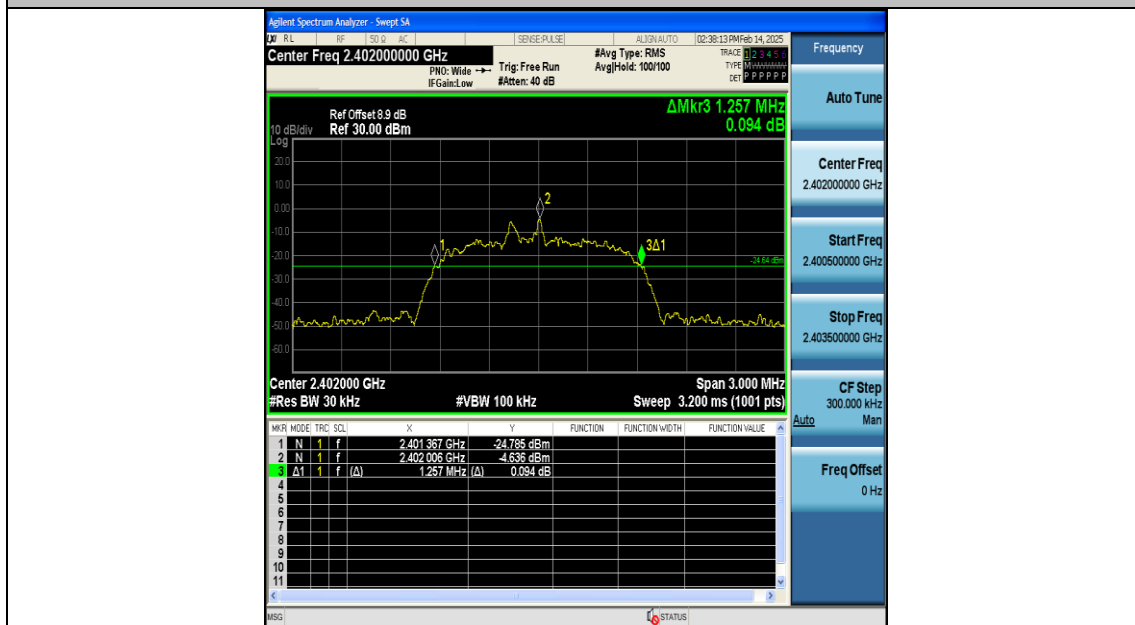
2DH5-Ant1-2402



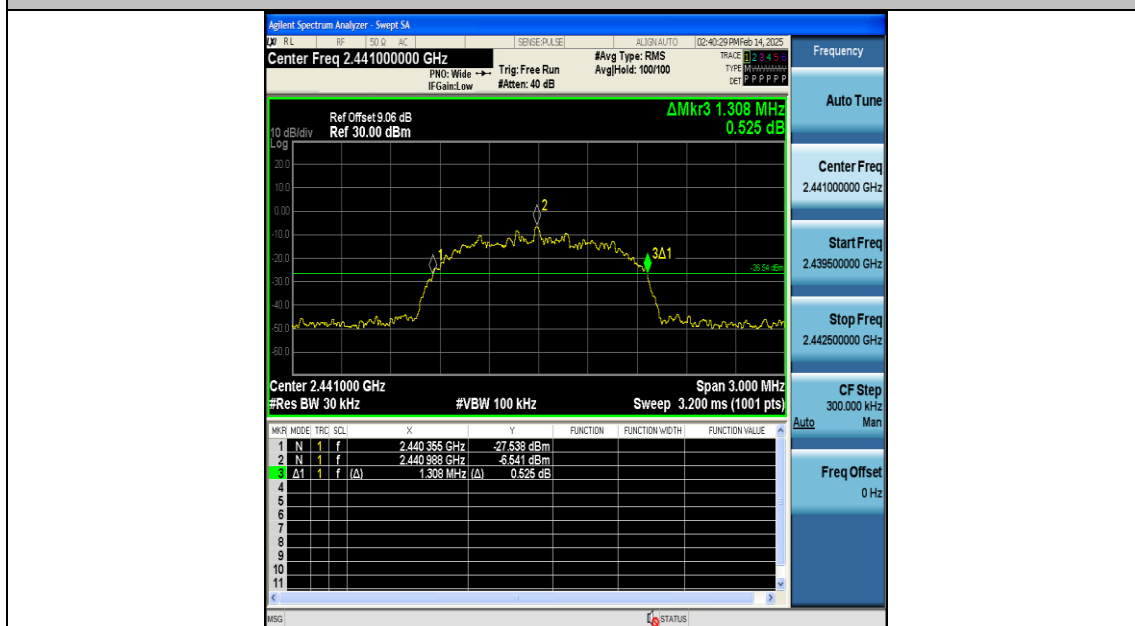
2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

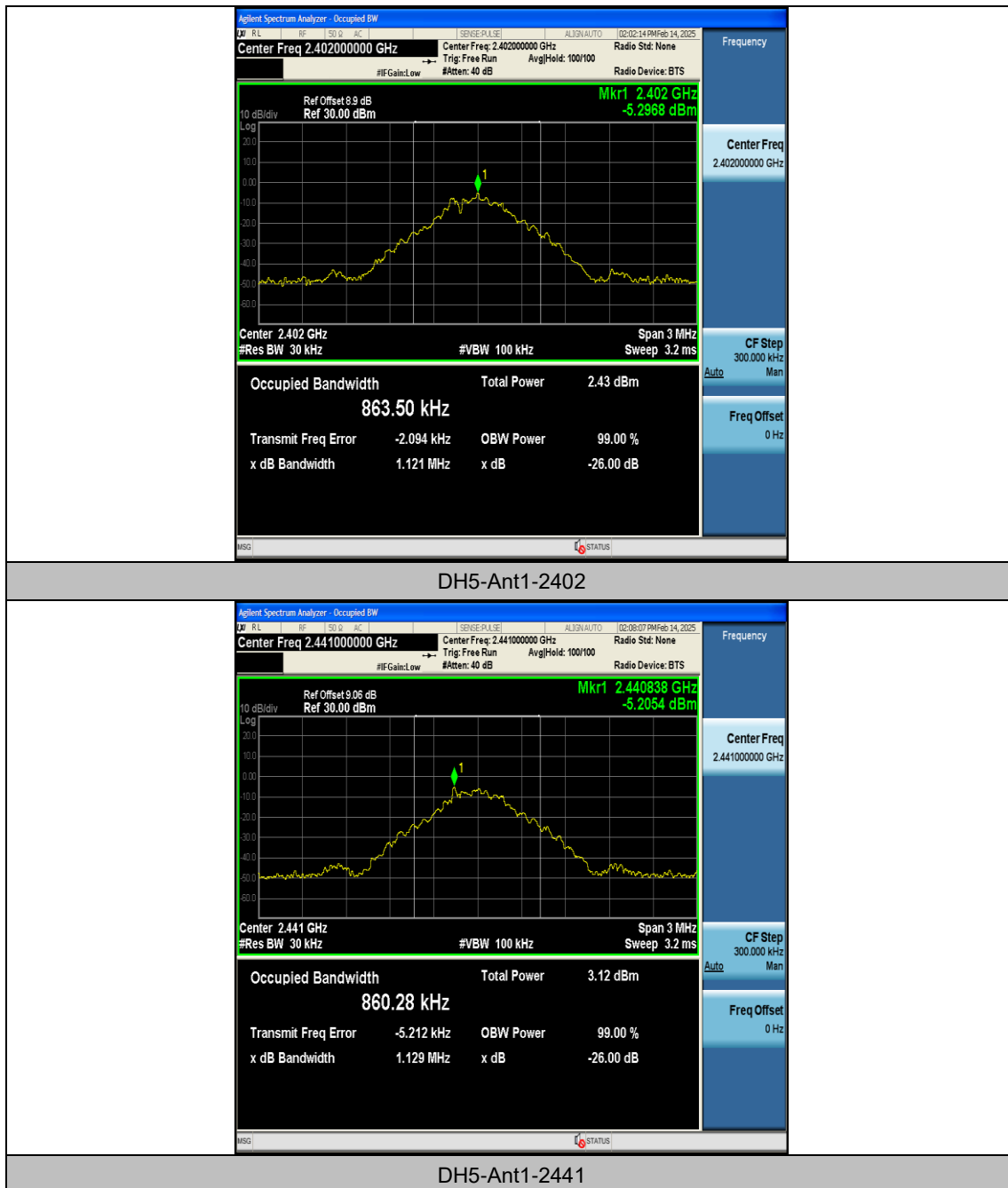


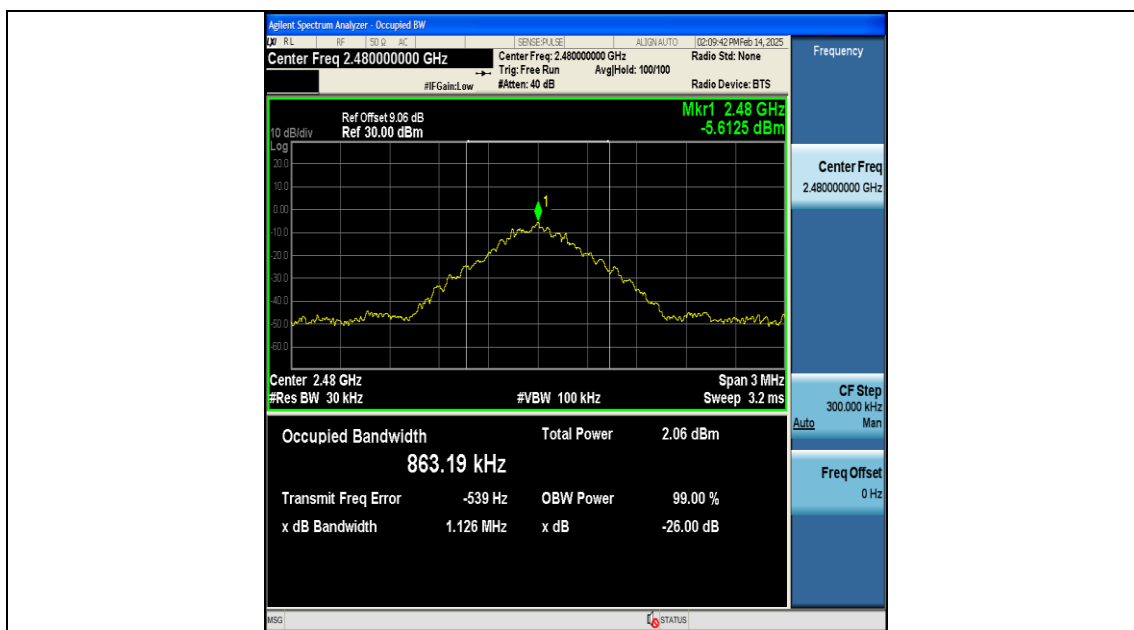
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86350	2401.5662	2402.4297	---	---
DH5	Ant1	2441	0.86028	2440.5647	2441.4249	---	---
DH5	Ant1	2480	0.86319	2479.5679	2480.4311	---	---
2DH5	Ant1	2402	1.1848	2401.4061	2402.5909	---	---
2DH5	Ant1	2441	1.1849	2440.4066	2441.5915	---	---
2DH5	Ant1	2480	1.1818	2479.4071	2480.5889	---	---
3DH5	Ant1	2402	1.1926	2401.4036	2402.5962	---	---
3DH5	Ant1	2441	1.1620	2440.4195	2441.5815	---	---
3DH5	Ant1	2480	1.1703	2479.4176	2480.5879	---	---

Test Graphs





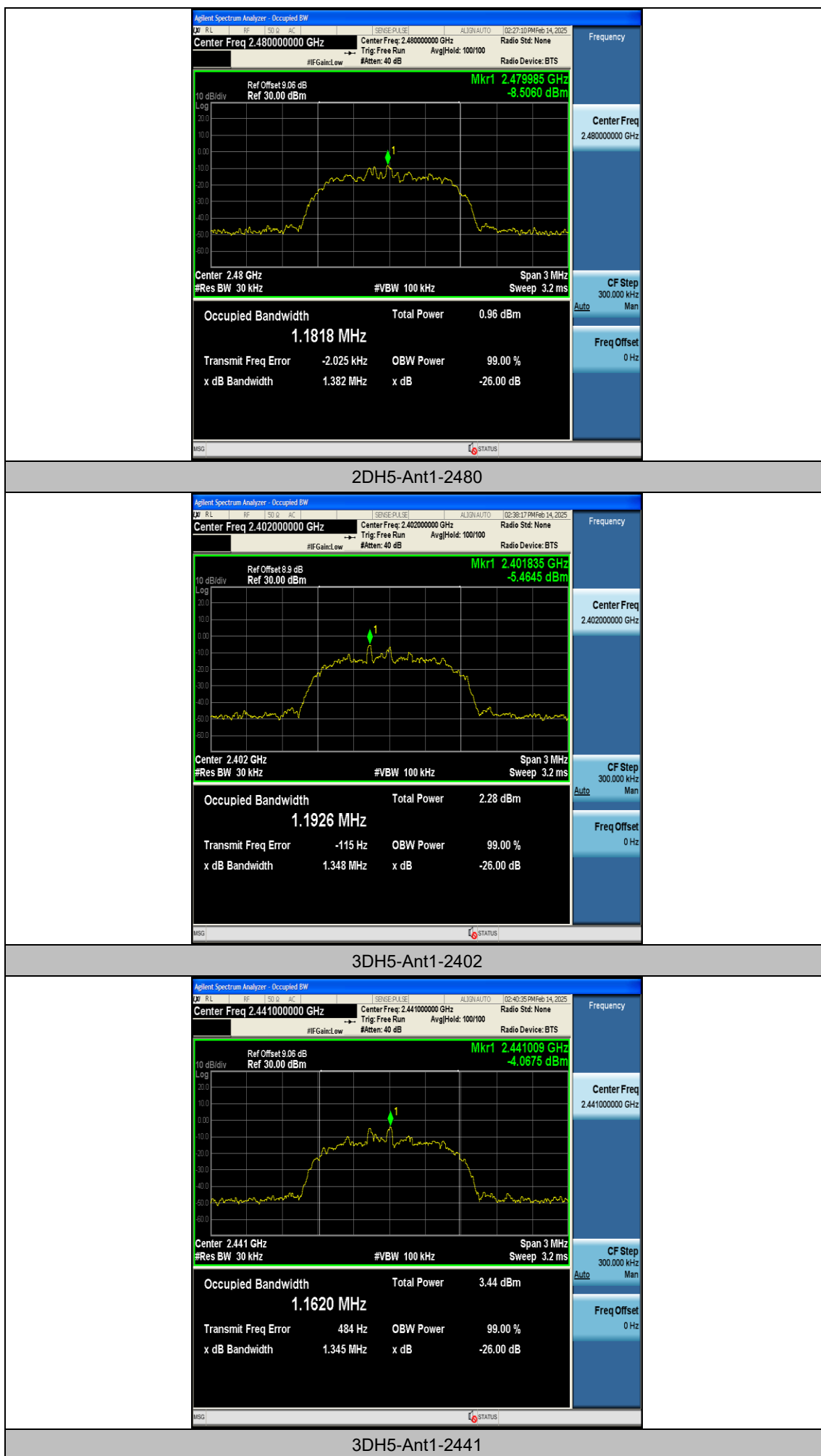
DH5-Ant1-2480

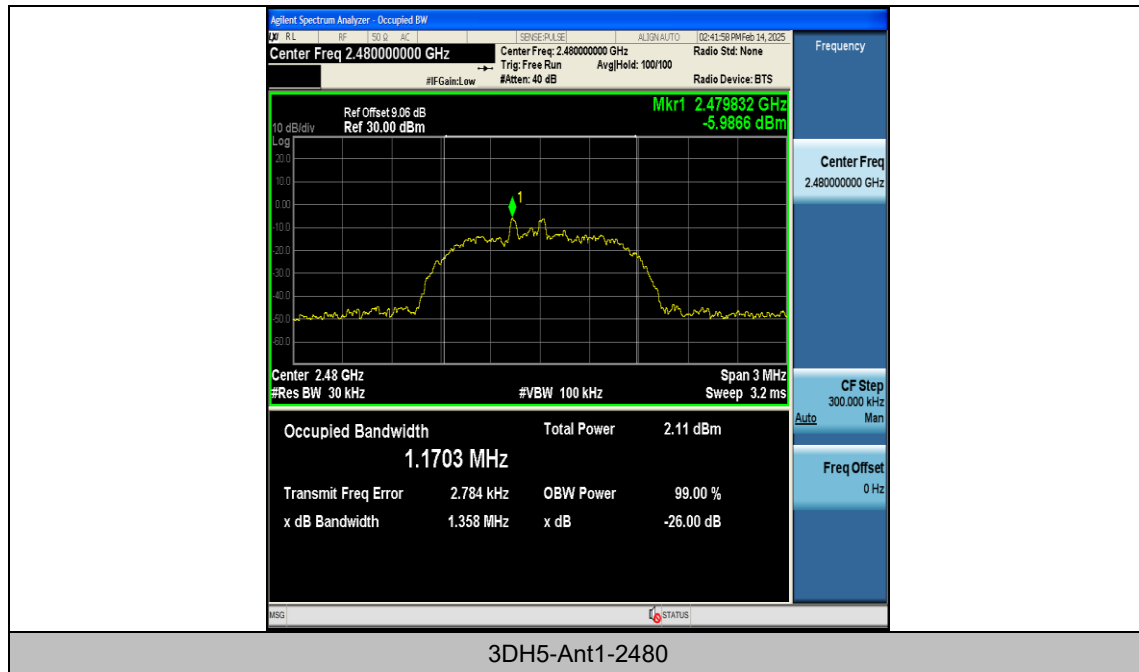


2DH5-Ant1-2402



2DH5-Ant1-2441





Appendix C: Maximum peak conducted output power

Test Result

Left Headset:

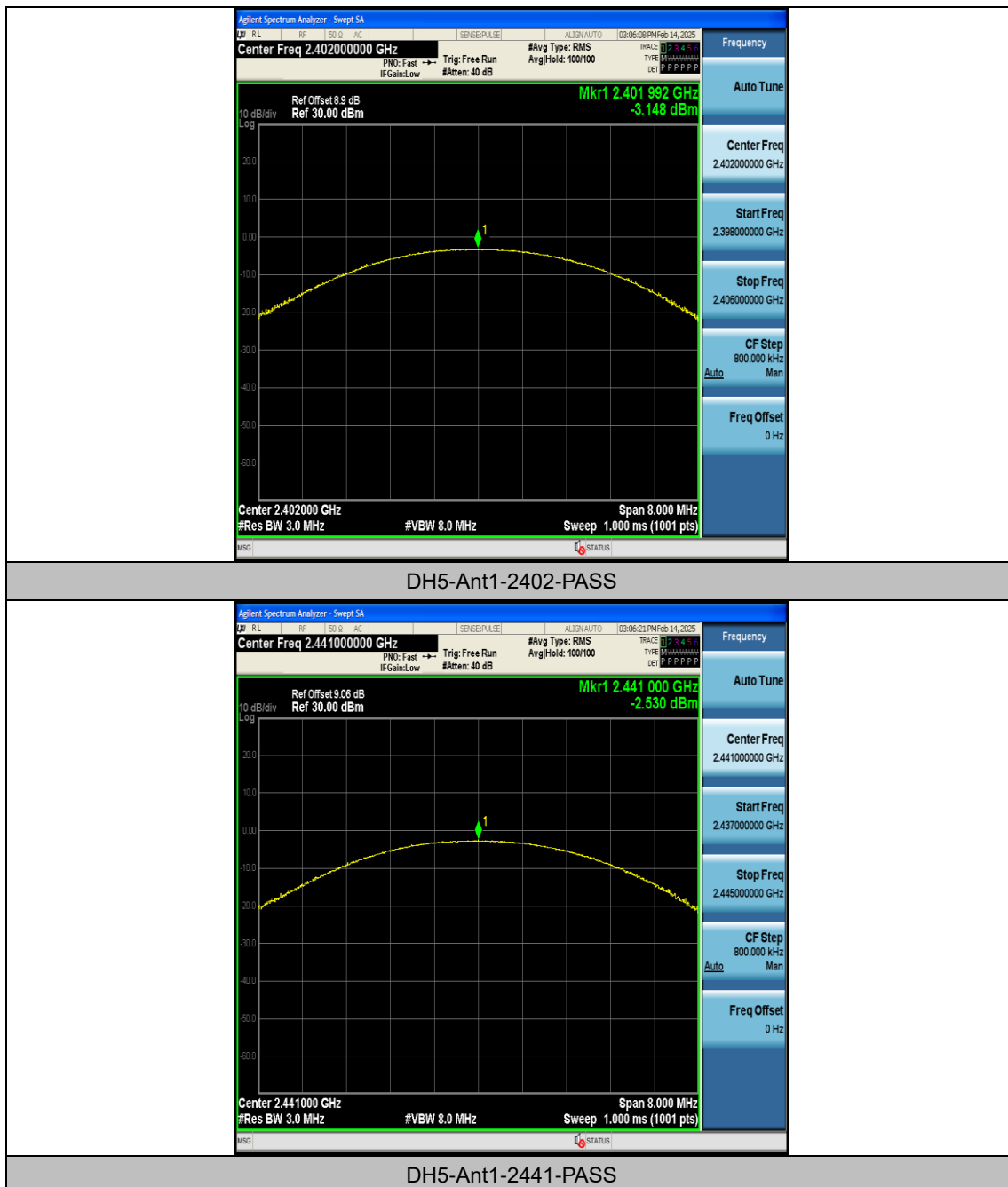
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-3.15	≤30	PASS
DH5	Ant1	2441	-2.53	≤30	PASS
DH5	Ant1	2480	-3.55	≤30	PASS
2DH5	Ant1	2402	-2.67	≤20.97	PASS
2DH5	Ant1	2441	-2.12	≤20.97	PASS
2DH5	Ant1	2480	-3.02	≤20.97	PASS
3DH5	Ant1	2402	-2.41	≤20.97	PASS
3DH5	Ant1	2441	-1.85	≤20.97	PASS
3DH5	Ant1	2480	-2.79	≤20.97	PASS

Right Headset:

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-4.82	≤30	PASS
DH5	Ant1	2441	-5.08	≤30	PASS
DH5	Ant1	2480	-5.37	≤30	PASS
2DH5	Ant1	2402	-4.48	≤20.97	PASS
2DH5	Ant1	2441	-4.56	≤20.97	PASS
2DH5	Ant1	2480	-4.86	≤20.97	PASS
3DH5	Ant1	2402	-3.93	≤20.97	PASS
3DH5	Ant1	2441	-4.48	≤20.97	PASS
3DH5	Ant1	2480	-4.70	≤20.97	PASS

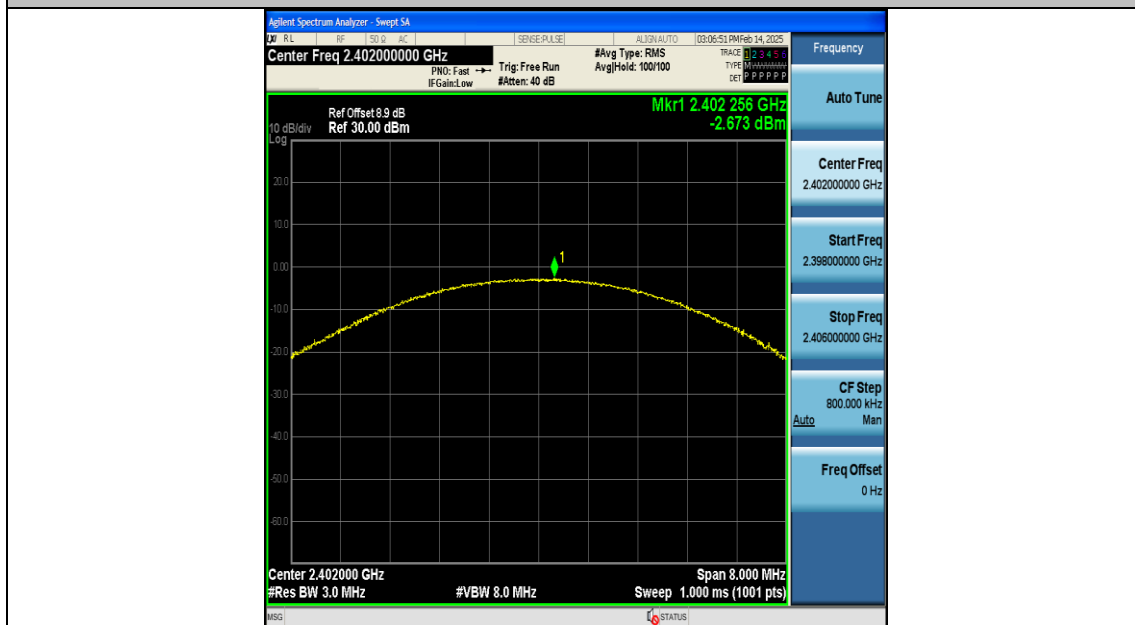
Test Graphs

Left Headset:

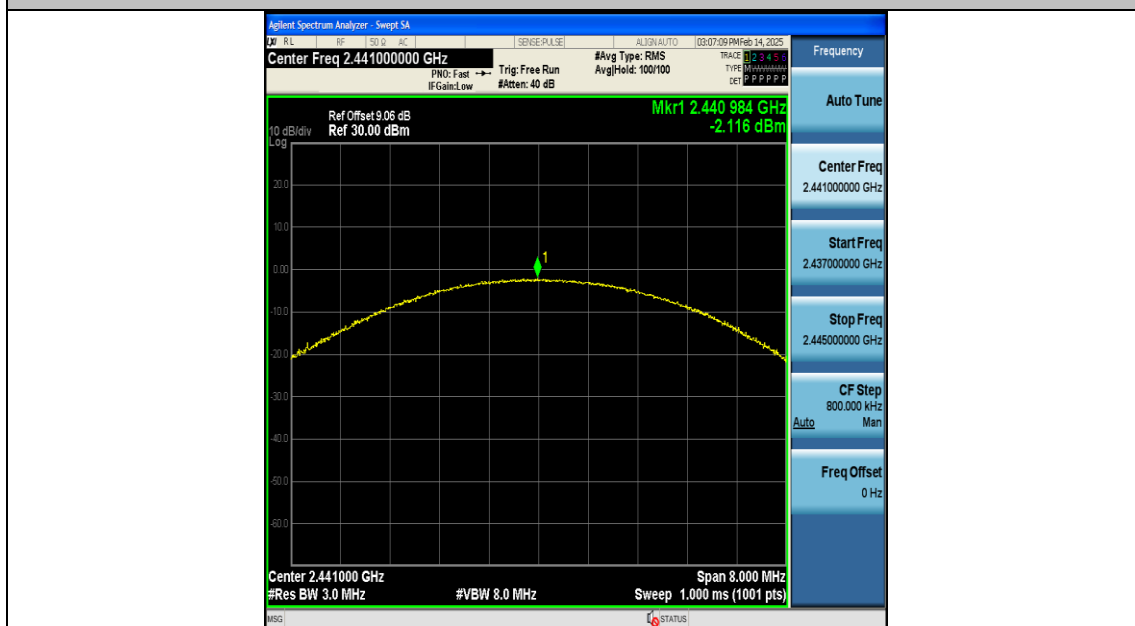




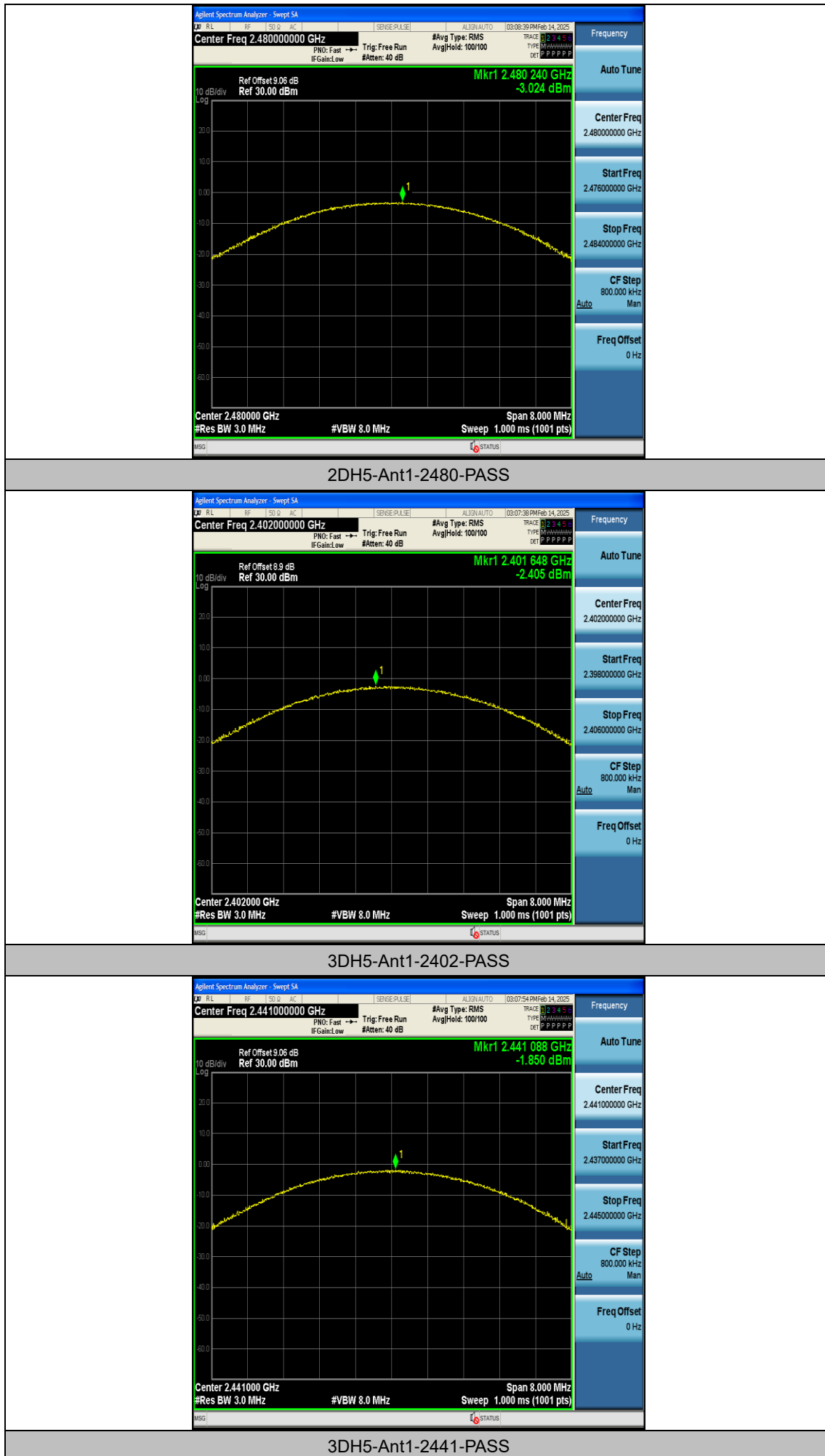
DH5-Ant1-2480-PASS

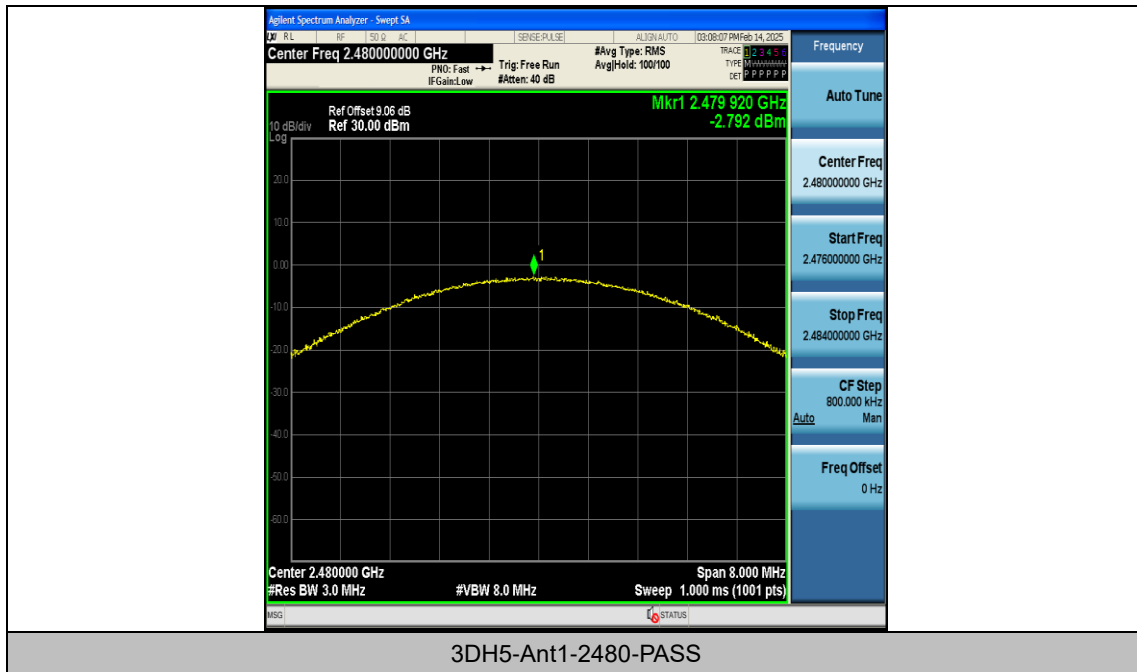


2DH5-Ant1-2402-PASS

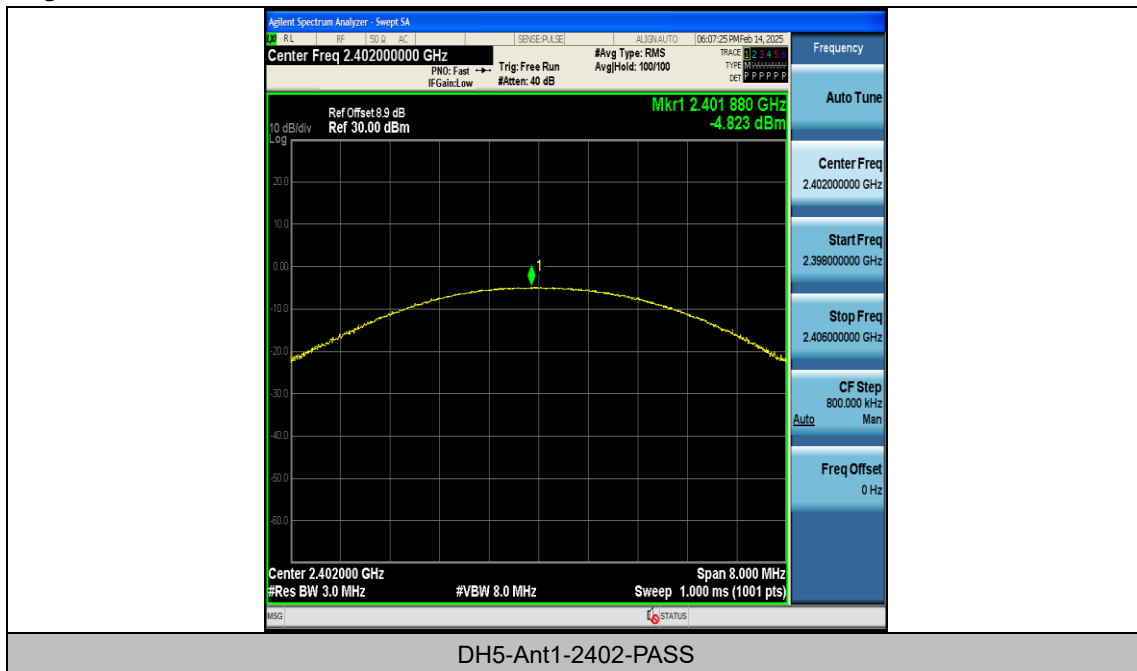


2DH5-Ant1-2441-PASS



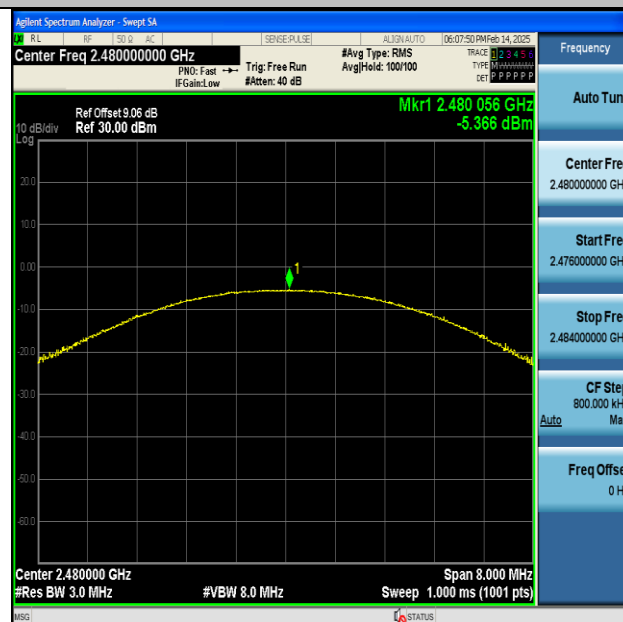


Right Headset:

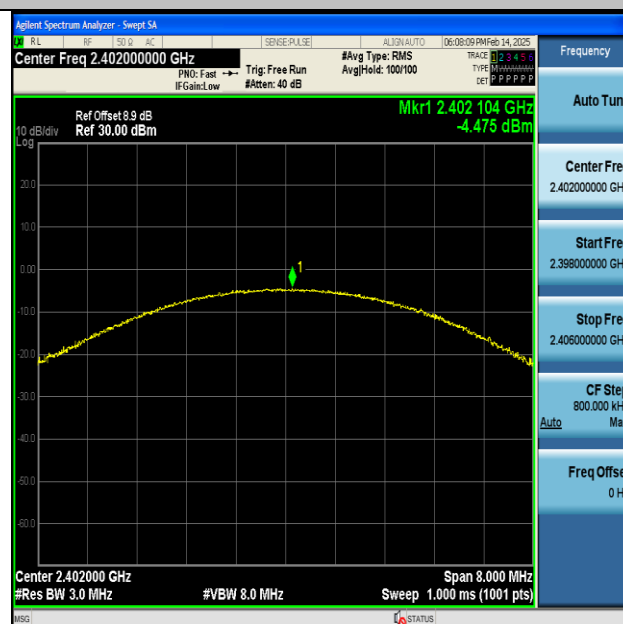




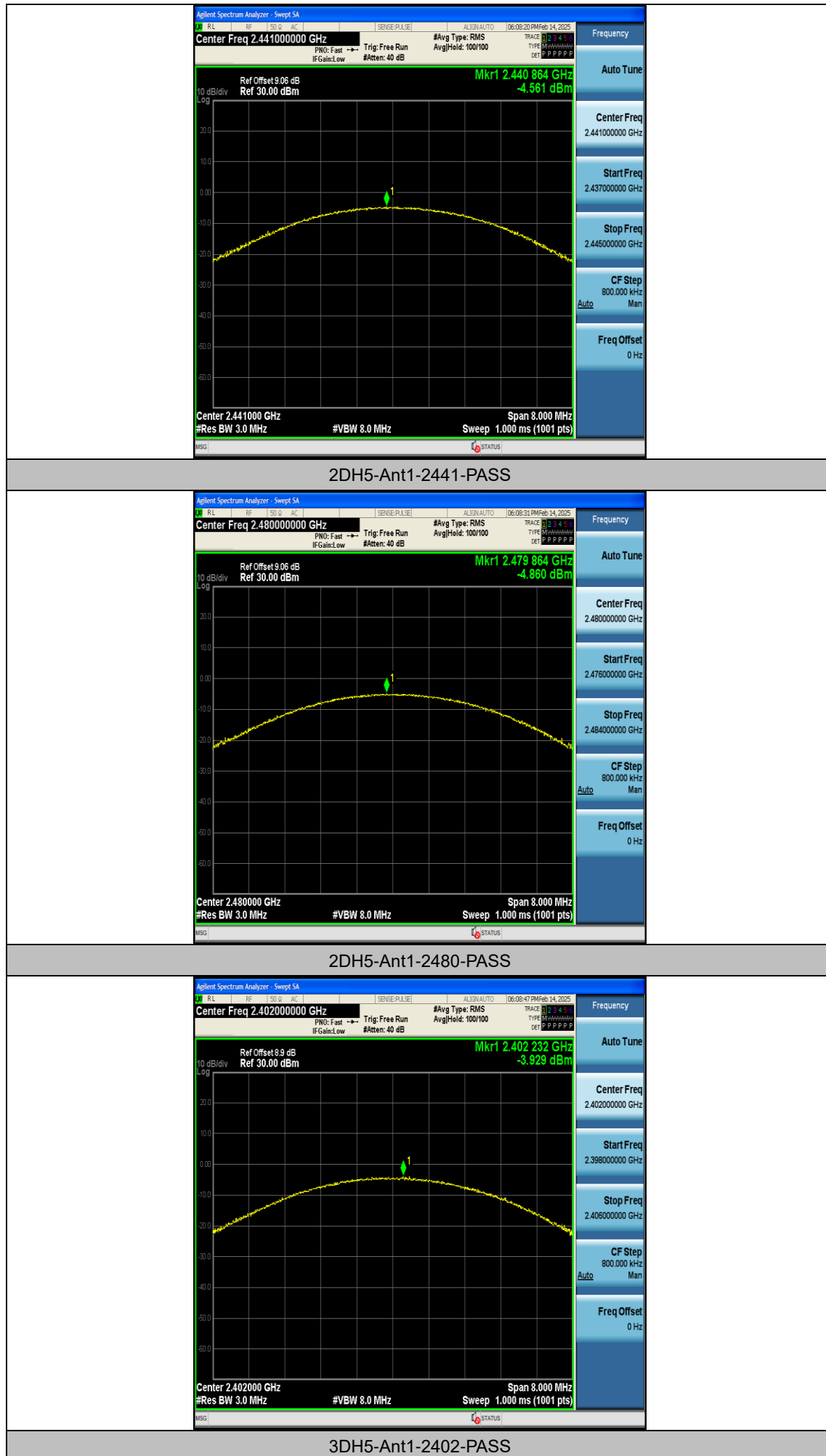
DH5-Ant1-2441-PASS

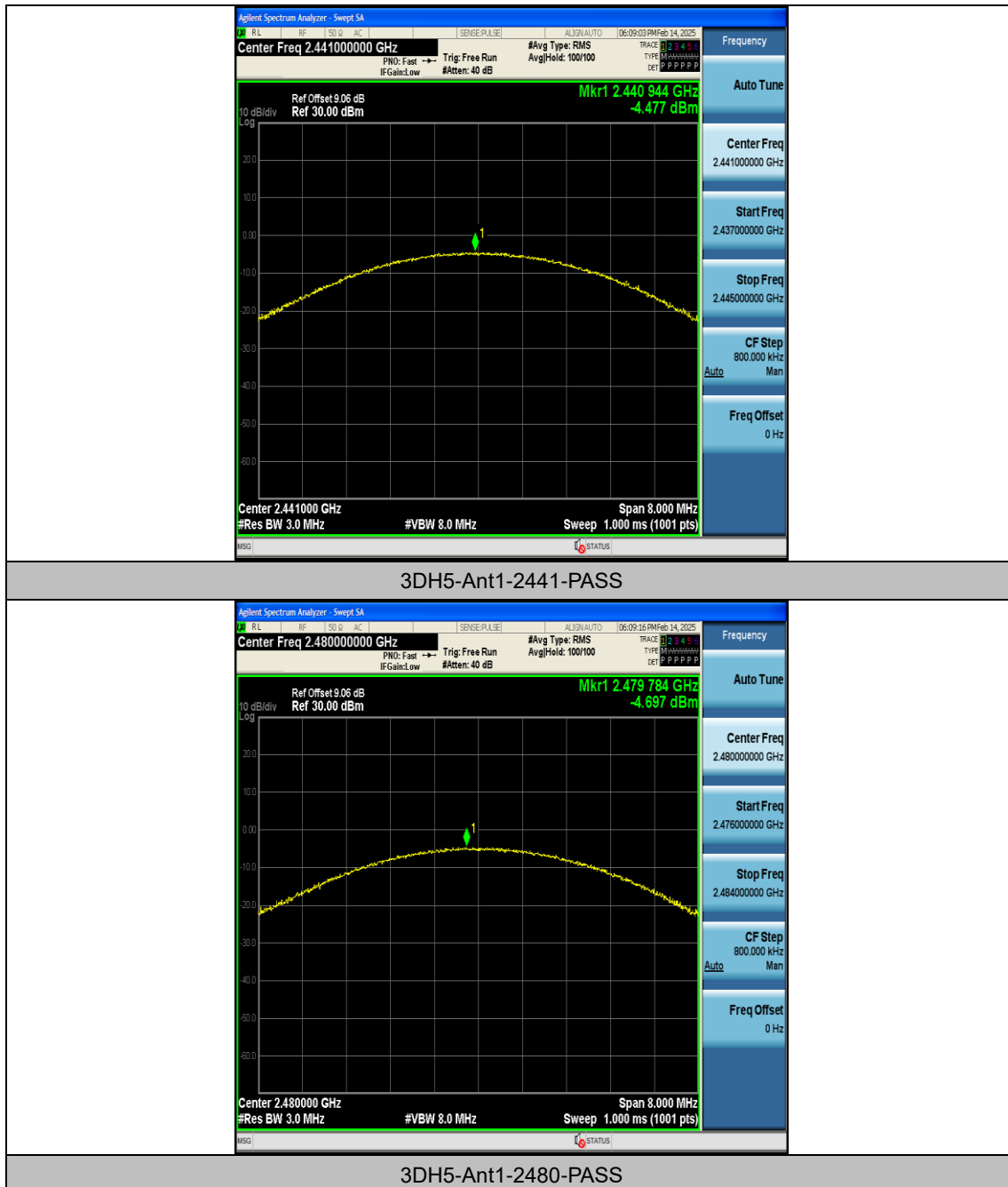


DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



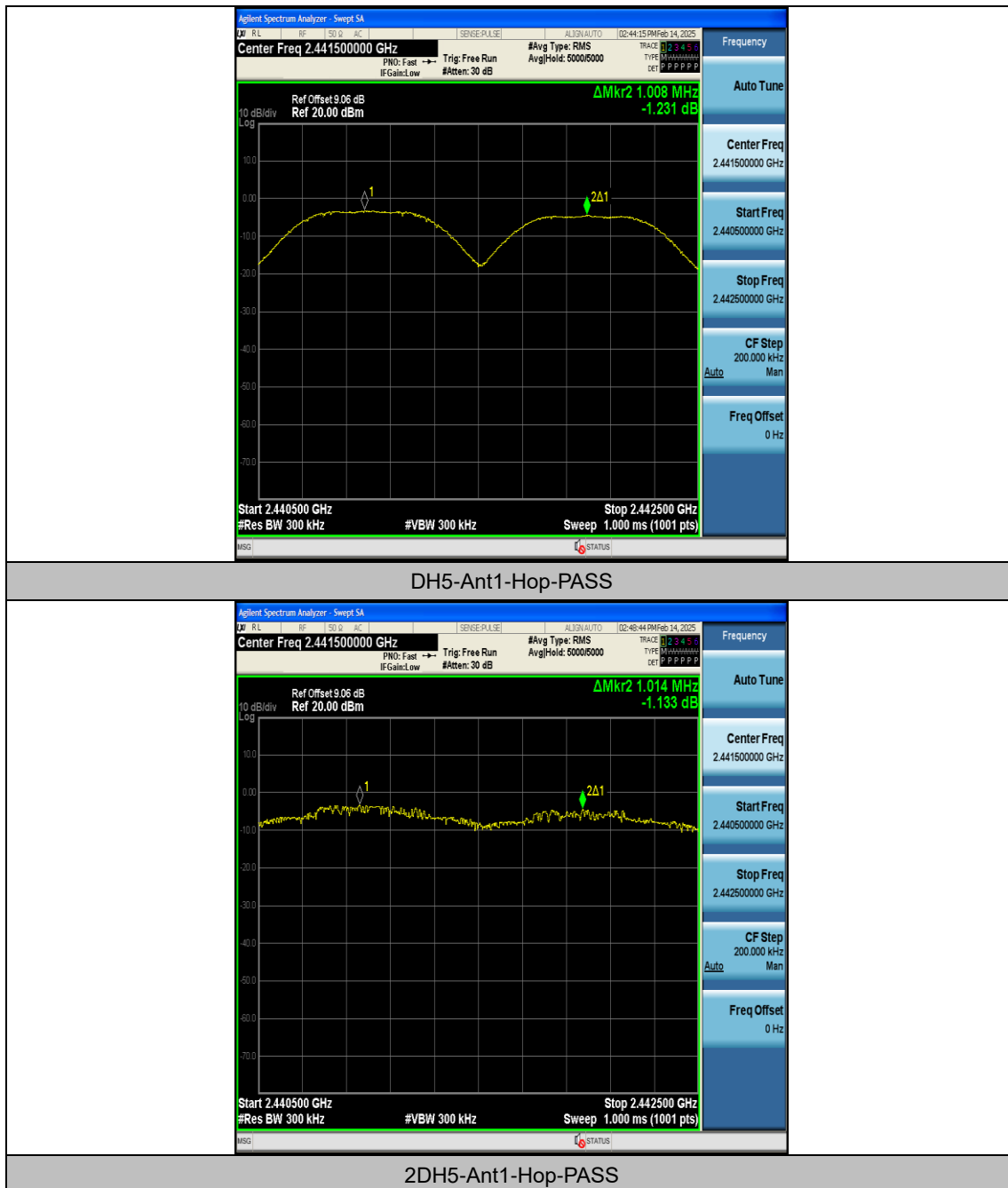


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.939	PASS
2DH5	Ant1	Hop	1.014	≥ 0.890	PASS
3DH5	Ant1	Hop	0.998	≥ 0.872	PASS

Test Graphs



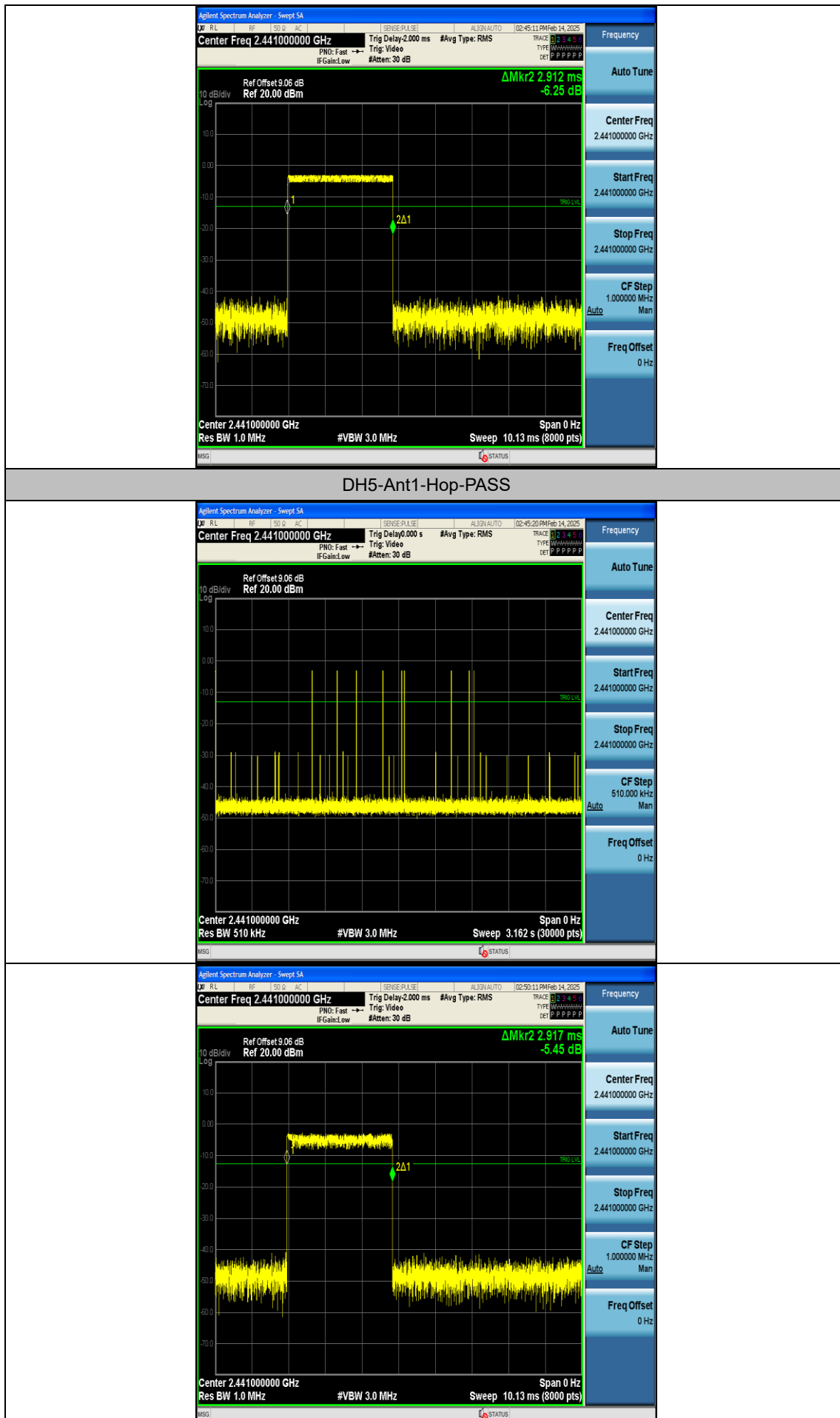


Appendix E: Time of occupancy

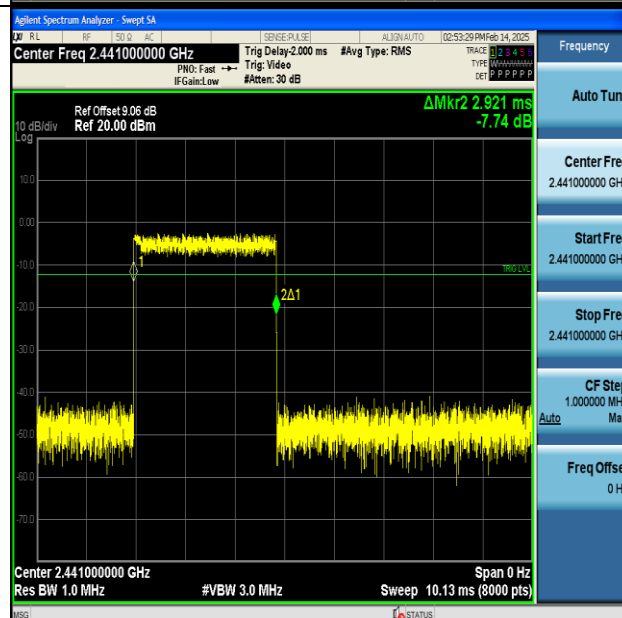
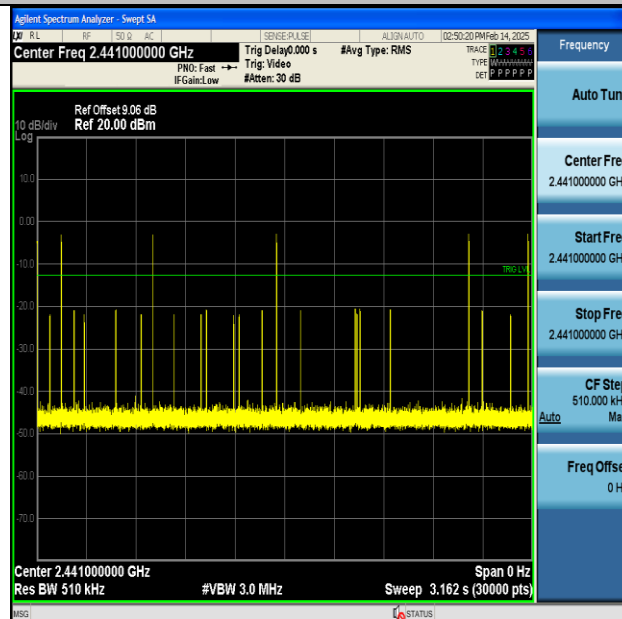
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.912	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.917	60	0.175	≤0.4	PASS
3DH5	Ant1	Hop	2.921	90	0.263	≤0.4	PASS

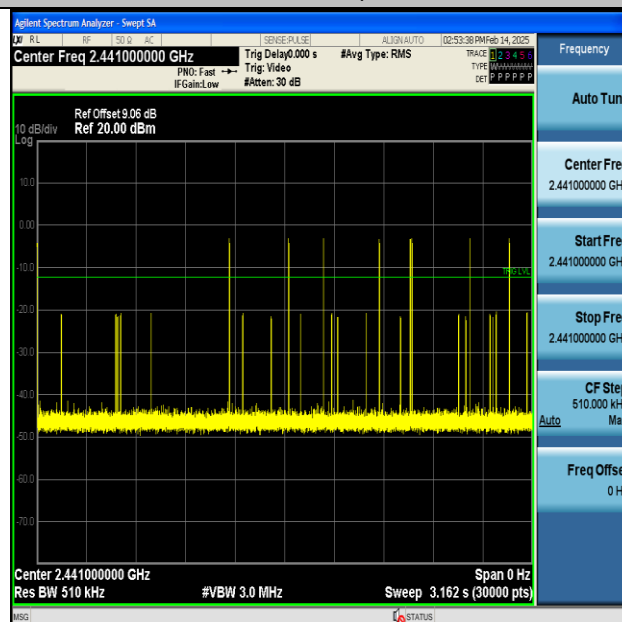
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

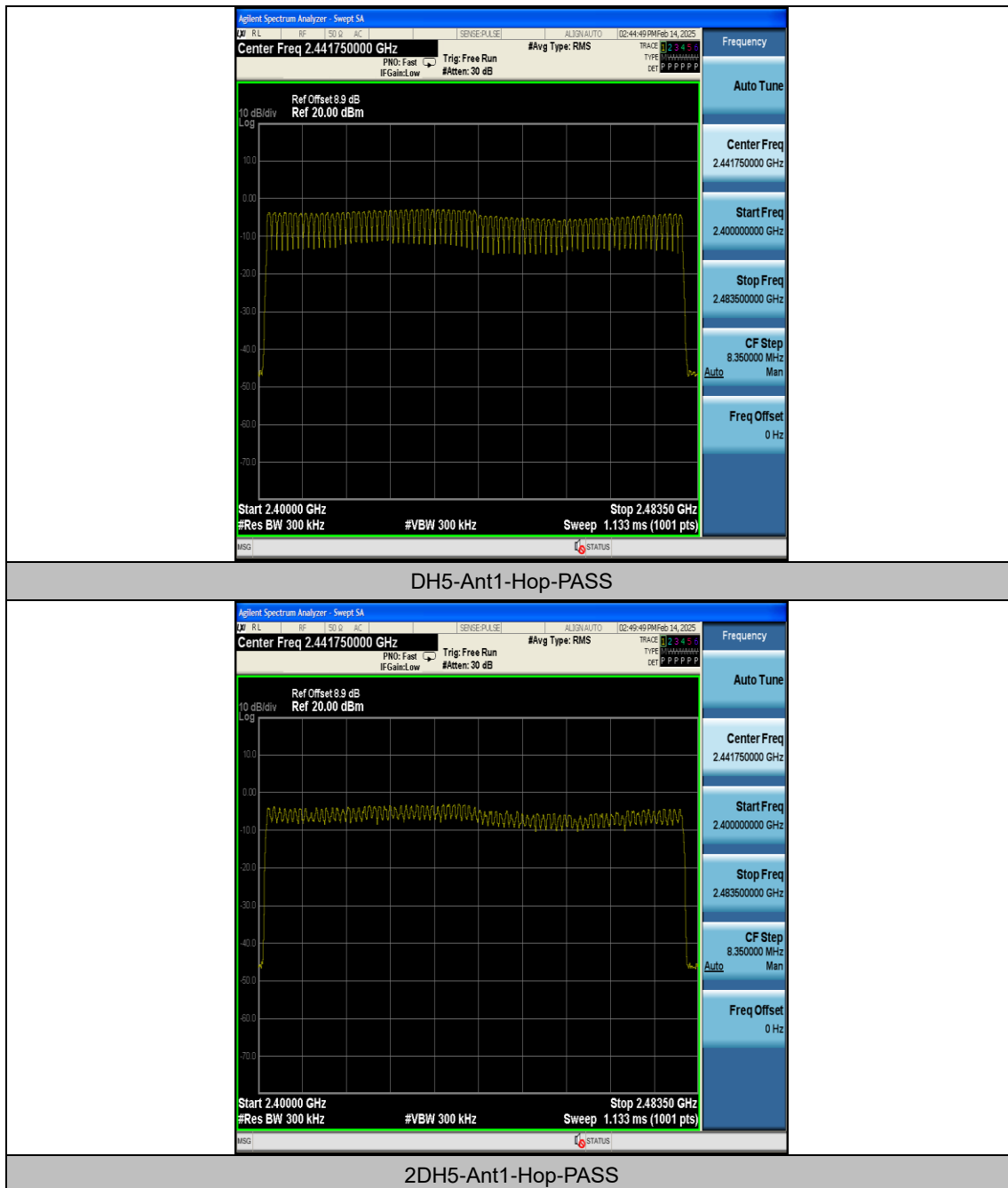


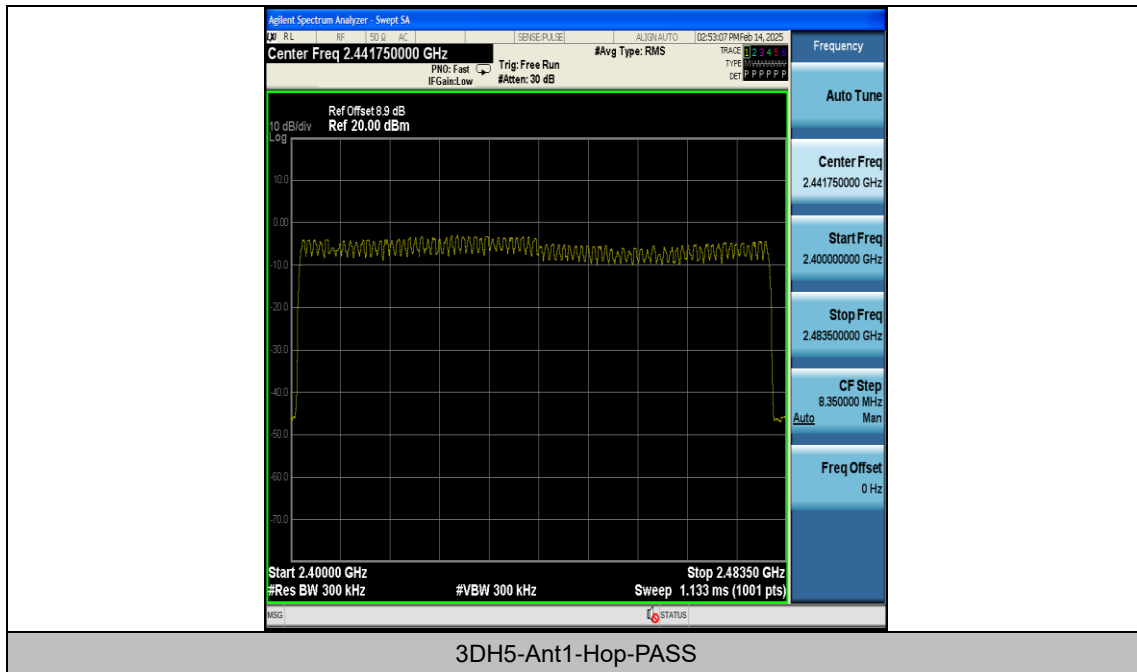
Appendix F: Number of hopping channels

Test Result

Test Mode	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



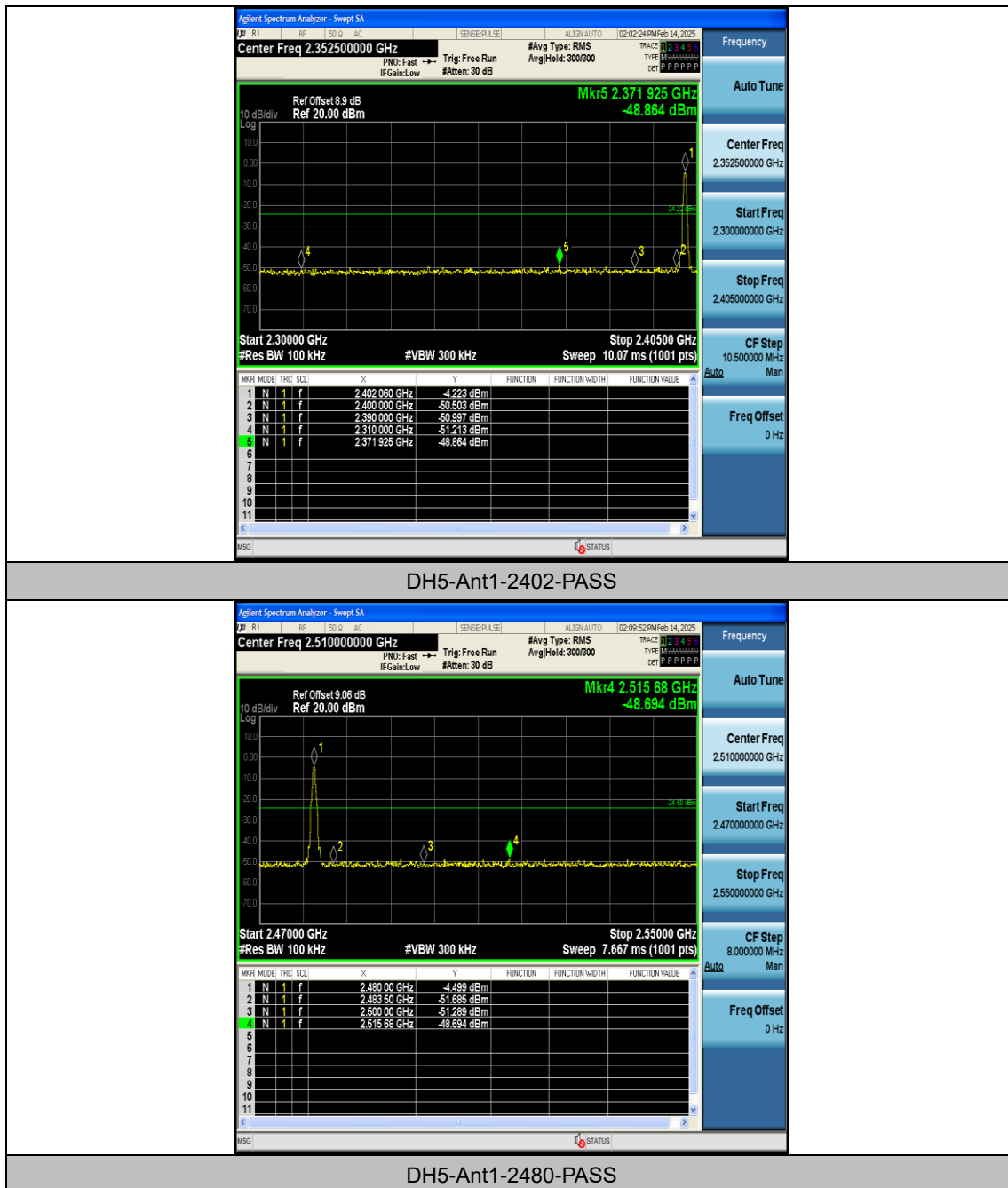


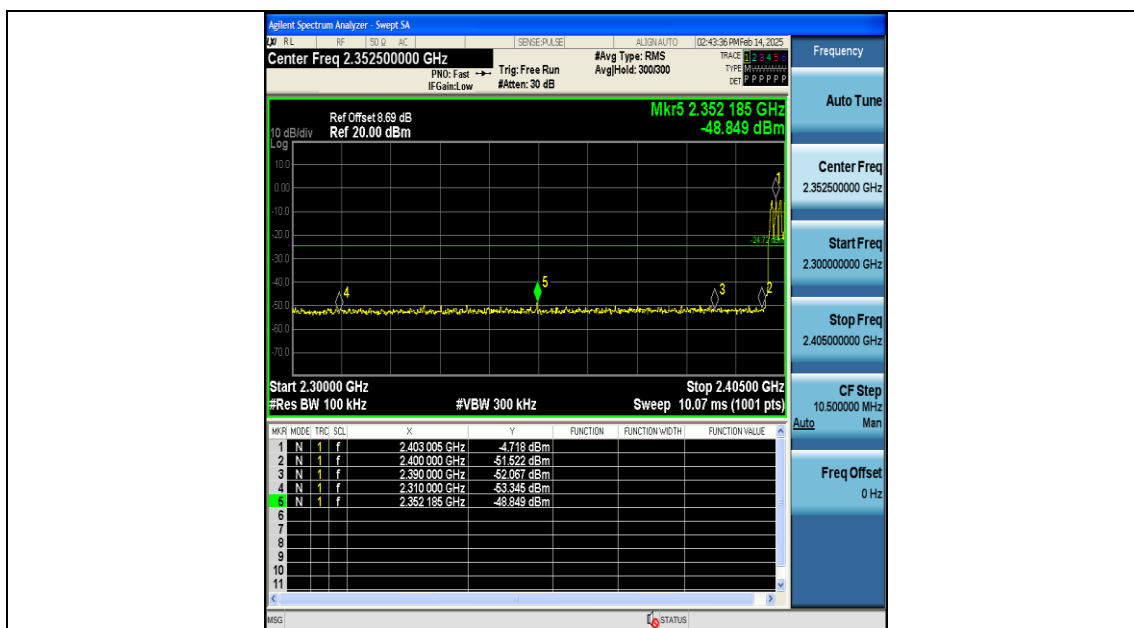
Appendix G: Band edge measurements

Test Result

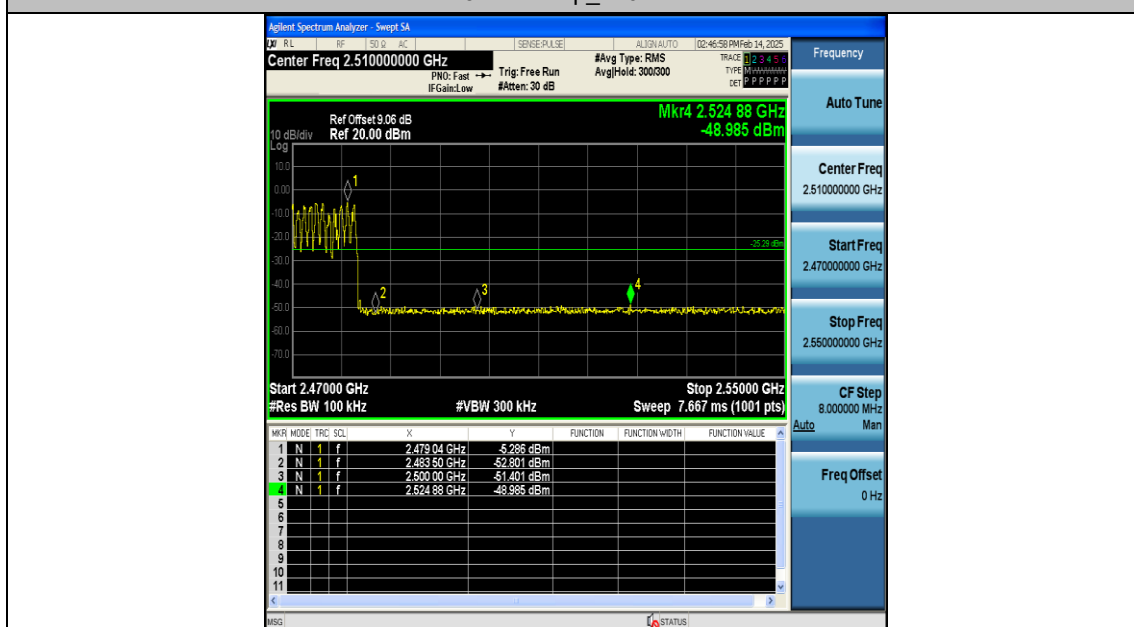
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.22	-48.86	≤ -24.22	PASS
DH5	Ant1	High	2480	-4.50	-48.69	≤ -24.5	PASS
DH5	Ant1	Low	Hop_2402	-4.72	-48.85	≤ -24.72	PASS
DH5	Ant1	High	Hop_2480	-5.29	-48.99	≤ -25.29	PASS
2DH5	Ant1	Low	2402	-5.31	-48.95	≤ -25.31	PASS
2DH5	Ant1	High	2480	-4.61	-47.84	≤ -24.61	PASS
2DH5	Ant1	Low	Hop_2402	-10.59	-49.86	≤ -30.59	PASS
2DH5	Ant1	High	Hop_2480	-6.86	-48.66	≤ -26.86	PASS
3DH5	Ant1	Low	2402	-4.07	-49.58	≤ -24.07	PASS
3DH5	Ant1	High	2480	-4.89	-48.91	≤ -24.89	PASS
3DH5	Ant1	Low	Hop_2402	-4.56	-49.7	≤ -24.56	PASS
3DH5	Ant1	High	Hop_2480	-5.93	-48.59	≤ -25.93	PASS

Test Graphs

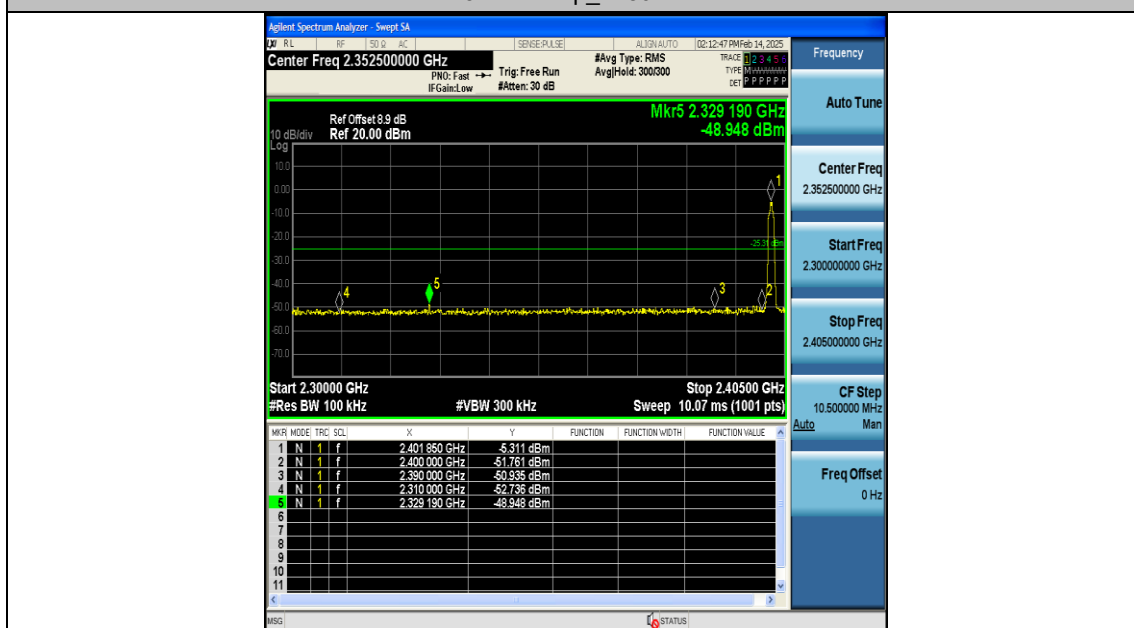




DH5-Ant1-Hop_2402-PASS



DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS