

Antenna

FCC ID: 2APZQ- ZYGO2H
IC ID: 23961-ZYGO2H

Description: Zygo Underwater Communication Radio Headset
Model Name: Zygo2H
Model Number: ZY700 (regular), ZY701 (large)

Swimmersive Co.
2447 Pacific Coast Highway, 2nd Fl.
Hermosa Beach, CA 90254
By

TEM Consulting, LP
140 River Rd.
Georgetown, TX 78628

June 2024

The Zygo2H headset uses a “Normal Mode Conformal Helical Dipole”, with bone conductor speaker wires passing through the helix. See Figure 1.

The peak gain for the Headset is – 1.39 dBi.

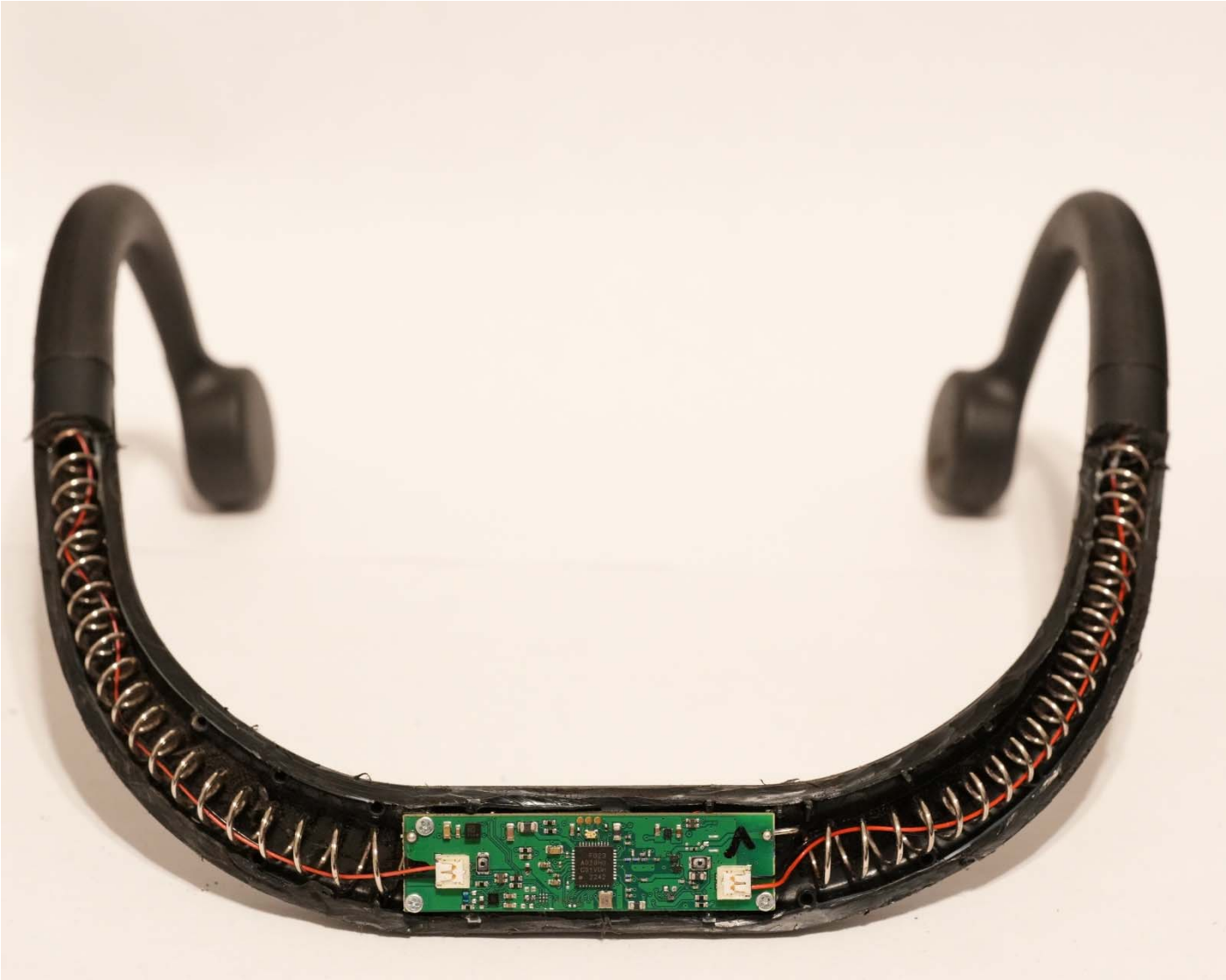


Figure 1 – Internal photo of Zygo2 Headset antenna

Table 1 – Peak gain versus frequency

Zygo-2 Headset Max Gain per Frequency (dBi) (02/26/2024)															
Frequency (MHz) -->	174	177	180	183	186	189	192	195	198	201	204	207	210	213	216
Zygo-2 Headset	-9.01	-7.99	-6.77	-6.36	-6.09	-5.87	-5.84	-5.96	-5.44	-3.90	-2.51	-1.75	-1.39	-1.47	-1.78