Relative Intensity Collection™

The process of transmitting and receiving electromagnetic signals is very physical: matter moves in rhythms syncopated by the speed of light and the dimensions of the materials it traverses. Antennas are designed with specific shapes and sizes optimized for particular types of transmissions and their corresponding frequencies. For example, 2.4GHz WiFi signals are better picked up by antennas with lengths that are a multiple of 31.25mm.

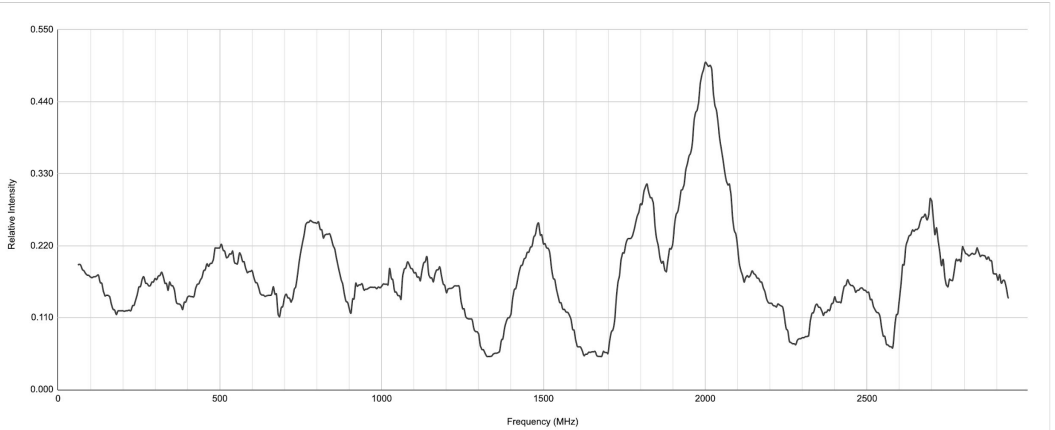
In our world of embedded, pervasive, wearable technologies we are encompassed by such a variety of signals that we can think of this relationship from a different perspective: given different objects of specific shapes and sizes, what are the signals that reverberate with their bodies? Can we (re-)sensitize ourselves to these meshes of planetary reach and affect?

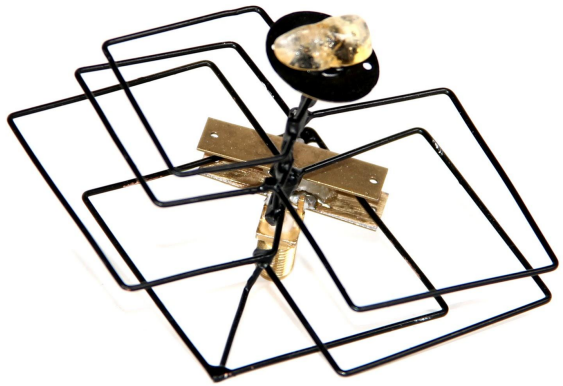
The Relative Intensity Collection™ is a collection of wearable antennas made of copper and brass pieces modeled after the shapes and sizes of body parts, sections, appendages, .... They are meant to be worn around the part of the body from which they were modeled, creating an additional connection between the original template body and that of the wearer.

These antennas suggest a more embodied form of navigating a network. They are ontological machines for exploring the relationships between humans, nature, culture, objects and networks, and making their intra-actions a little more significantly felt.

# 2D3D

Built from a Log-Periodic Double Loop antenna design, this ring was sized based on the proximal phalanxes, and has its strongest response at 800, 1475, 2025 and 2680 MHz.



Article: 166934

Collection: Relative Intensity Collection™

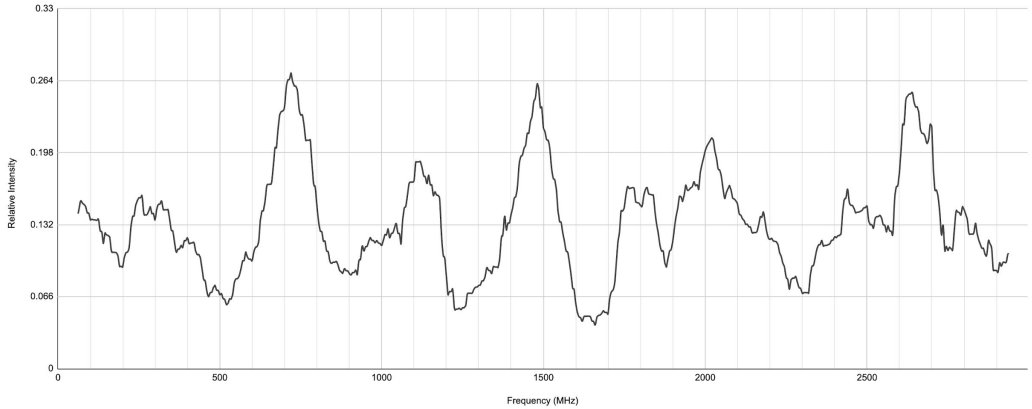
Color: Black, copper, gold

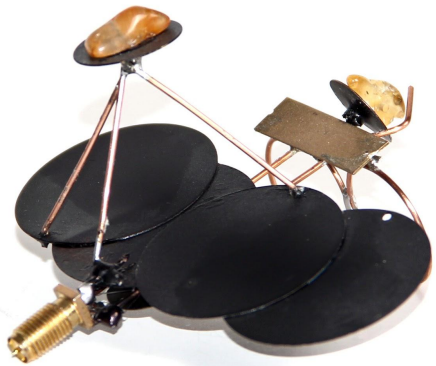
Size: 59 x 86 x 58 mm

Material: Copper and Brass

# 3D4D

With inspiration from Patch Reflector antennas and Parabolic antennas, this design was sized according to the metacarpals and amplifies signals in the 715, 1475 and 2620 MHz frequency bands.



Article: 166935

Collection: Relative Intensity Collection™

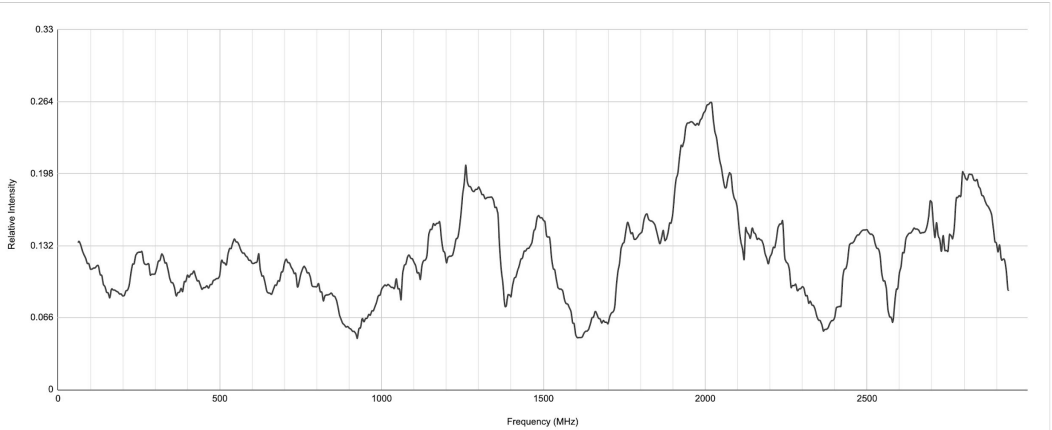
Color: Black, copper, gold

Size: 79 x 89 x 38 mm

Material: Copper and Brass

# Annula

Based on a Collapsed Biconical antenna design and sized according to the proximal and middle phalanxes, this ring has its strongest sensitivity at 1260 and 2000 MHz.




Article: 166933

Collection: Relative Intensity Collection™

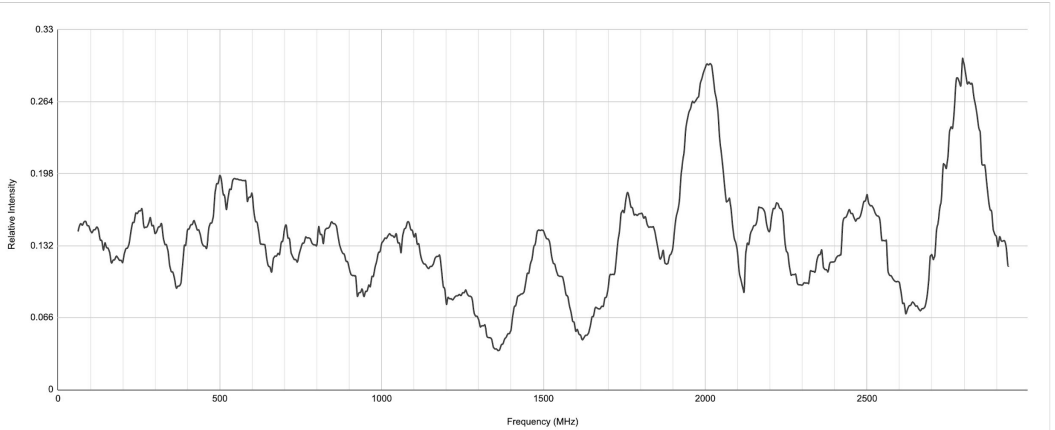
Color: Black, copper, gold

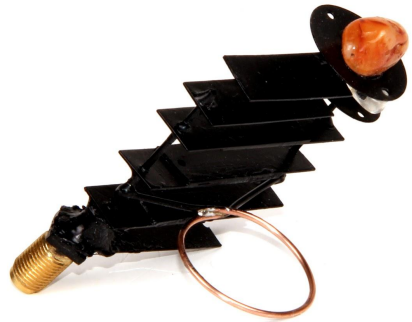
Size: 75 x 93 x 60 mm

Material: Copper and Brass

# Indica

Based on the design of a grid antenna, and sized according to the middle phalanxes, this piece has its strongest resonance at 2025 and 2800 MHz.



Article: 166931

Collection: Relative Intensity Collection™

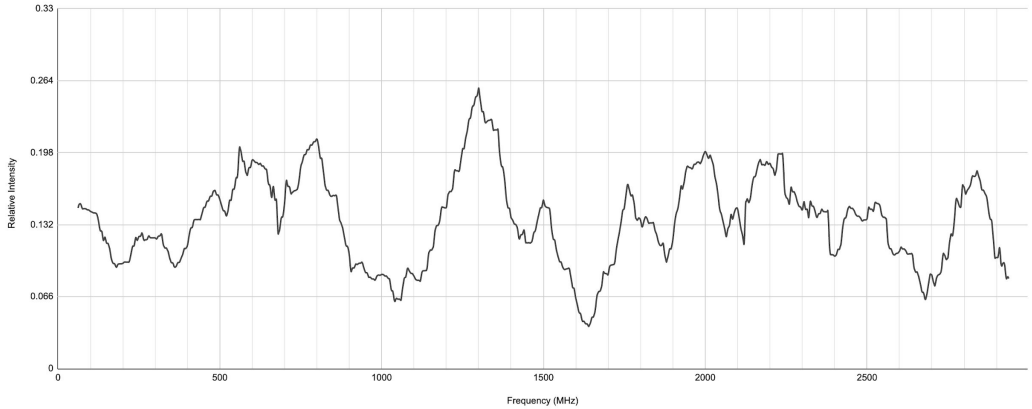
Color: Black, copper, gold

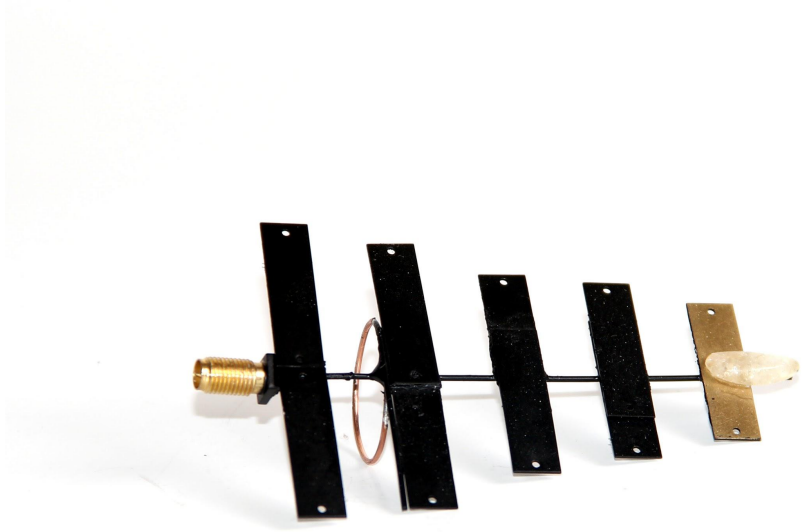
Size: 60 x 42 x 17 mm

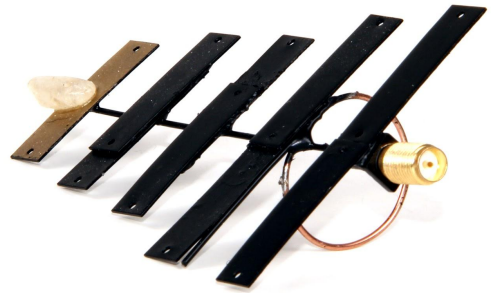
Material: Copper and Brass

# Pollex

Inspired by the classic Yagi–Uda antenna designs, with sizes based on the longest proximal phalanxes, this ring reverberates at 790 and 1300 MHz.





Article: 166930

Collection: Relative Intensity Collection™

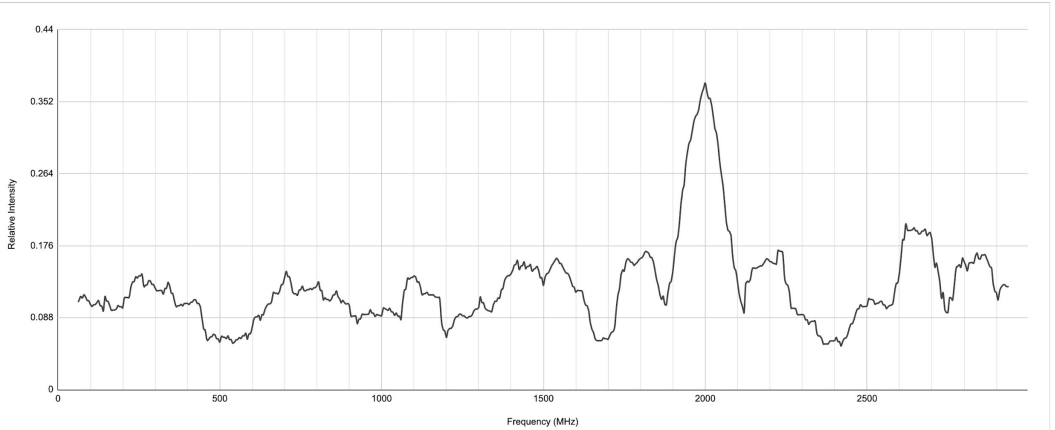
Color: Black, copper, gold

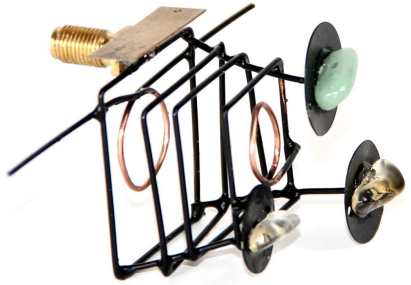
Size: 100 x 58 x 7 mm

Material: Copper and Brass

# Ulna

A hybrid between a slot-cube antenna and a dipole antenna, sized from the smaller distal and middle phalanxes, this design has its best performance at 2000 and 2650 MHz.



Article: 166932

Collection: Relative Intensity Collection™

Color: Black, copper, gold

Size: 82 x 37 x 50 mm

Material: Copper and Brass

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