



# AMH-3 Helical Antenna "Patent Pending"

## Technical Specifications:

Impedance Bandwidth - 470 – 663 MHz

Average Gain - 9 dBi

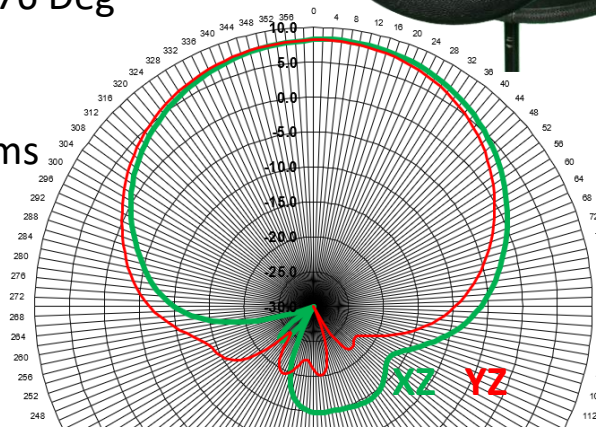
Average Front to Back Ratio - 12 dB

Average Front to Side Ratio - 16 dB

Average Half Power Beamwidth - 76 Deg

Average Return Loss - > 16 dB

Characteristic Impedance - 50 Ohms



## Features:

Powder coated aluminum ground plane

ABS Radome

Type N connector (comes with N to BNC Adapter)

Two position mounting block/handle with 5/8"-27 thread (US standard)

Cable strain relief and steel safety contact point (optional)

N to BNC Adapter tie down (optional)



## Physical Dimensions:

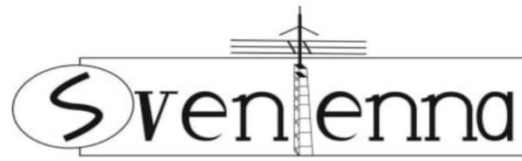
L – 15" (381 mm)

W – 15" (381 mm)

H – 8.5" (215.9 mm)

Approximate Weight – 3.26 lbs (1.48 Kg)





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## AMH-3 Helical Antenna

### So why is this antenna so cheap?

There are two main reasons why this antenna is so cheap compared to other helical antennas in the market. The first reason is that there is no initial intention to grow this operation into something that is mass produced. This leads us to the second reason. Parts! By keeping manufacturing quantity low, all parts can be processed in house from raw materials. If we wanted to mass produce this antenna, outsourcing production of certain parts alone would drive the cost up substantially. The other reason is that additive manufacturing or “3D printing” is heavily used to make custom pieces. This is most noticeable in the mounting block and strain relief. This keeps our cost low so that people who previously didn’t have the budget for a helical antenna can possibly now afford one.

### Why should I trust this antenna? It isn’t name brand...

Let’s face it, most audio engineers and musicians are not RF engineers. RF can be a challenging topic to master with so many other areas needing attention during a normal live event. So, confidence in your RF equipment is important. That being said, we can assure you that this antenna is 100% on par with all major manufacturer pro audio helical antennas on the market today. The AMH-3 Helical antenna has undergone months of laboratory and practical testing. It has also been tested and verified by a third-party facility using an RF anechoic chamber. Lastly, it has already been used on many live shows form bars to arenas all with excellent performance. Please don’t hesitate to contact us with any questions.

Thank you!

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