

### SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	1 – 30 MHz
Polarisation	Vertical
Gain	See graph
Nominal input impedance	50 $\Omega$
Connector	N-type female
H-plane 3 dB beamwidth	360°
Polarisation	Vertical
Sensitivity in 1 Hz bandwidth	1 $\mu$ V/m
OP1	18 dBm
OIP2	43 dBm
OIP3	37 dBm
Input Voltage	12.5 – 15.5 VDC
DC input current (max)	400 mA
<b>Mechanical:</b>	
Length	7.5 m
Total mass	< 30 kg excluding packaging
Base dimensions	300 mm x 300 mm
Groundplane diameter	15 000 mm
Mounting method	Free-standing on the ground. Can be bolted to a concrete plinth
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	120 km/h (5 mm ice) (when fitted with supplied guy ropes)
Water ingress rating	IP66
Temperature	-40 °C to +55 °C (operation)
Shock and vibration	Designed for MIL-STD 810E 516.4: vibration category 8, shock 40 g during transport

### PRODUCT FEATURES:

- 1 to 30 MHz frequency range
- Rugged
- Quick deployment time
- Self-contained groundplane
- Glass fiber insulated radiator

### APPLICATIONS:

- HF DF array element
- Linear or circular arrays
- SSL arrays

### PRODUCT DESCRIPTION:

The HF passive whip monopole antenna is designed for deployment on open ground or permanent installation and includes a deployable groundplane. The antenna's radiation pattern is suitable for medium to long range HF monitoring.

It can be deployed as part of either a linear or circular array and is quickly and easily deployed and stowed. The product can be rapidly deployed by two people within 30 minutes but can also be bolted to a plinth for semi-permanent installations.

The antenna is intended for use in constructing DF interferometer arrays consisting of multiple MONO-A0097 antennas.

### AUTHORIZED USA DISTRIBUTION BY:

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**cyntony**  
 customer attuned

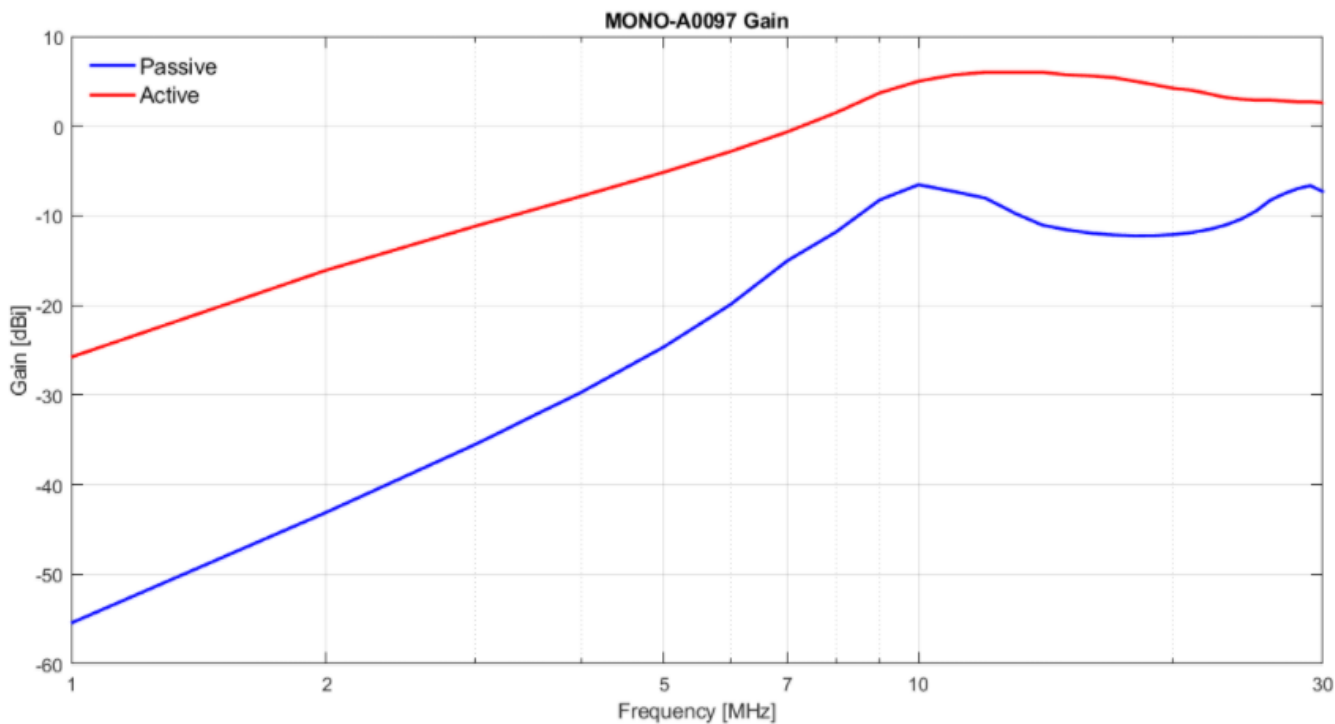
# HF Active Monopole

1 – 30 MHz

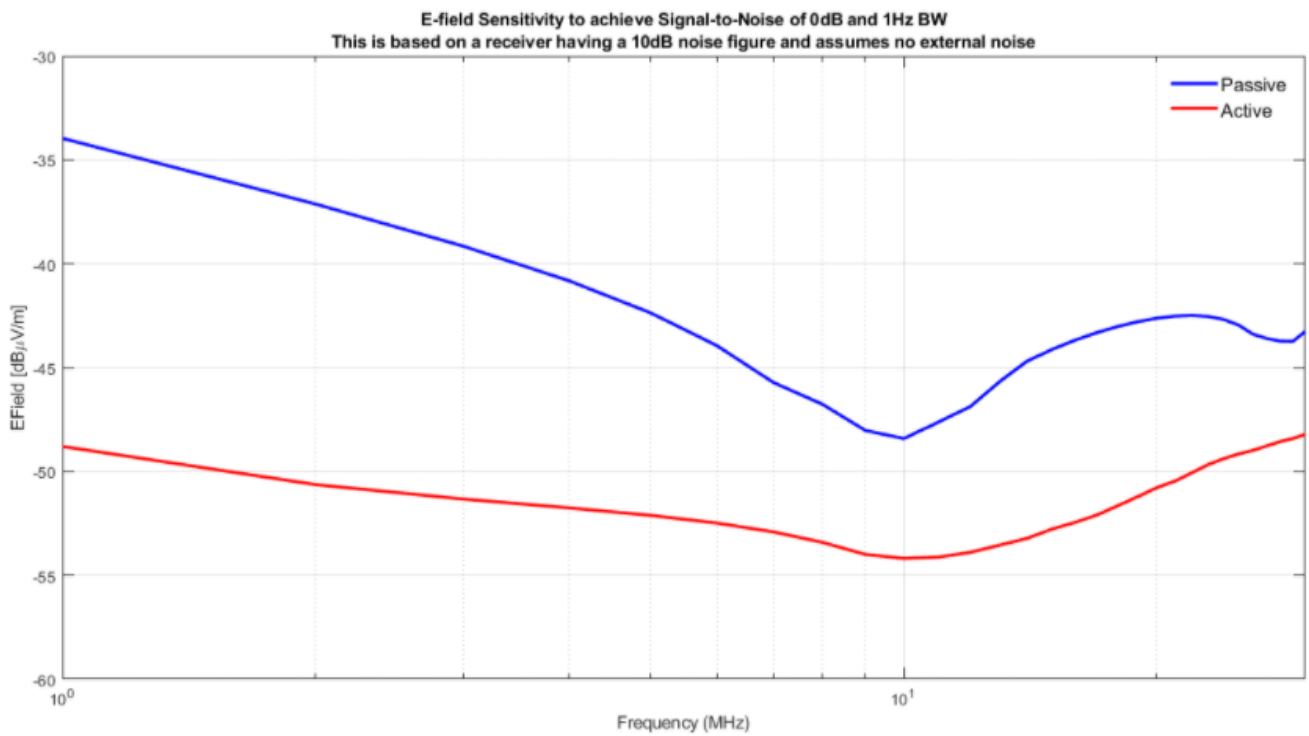
Product Code: MONO-A0097

VERSION: 1.2

**GAIN:**



**SENSITIVITY:**



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