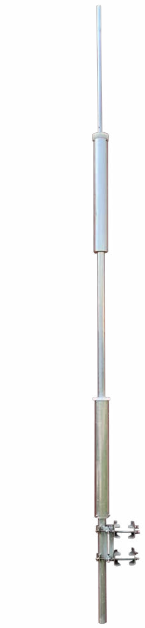
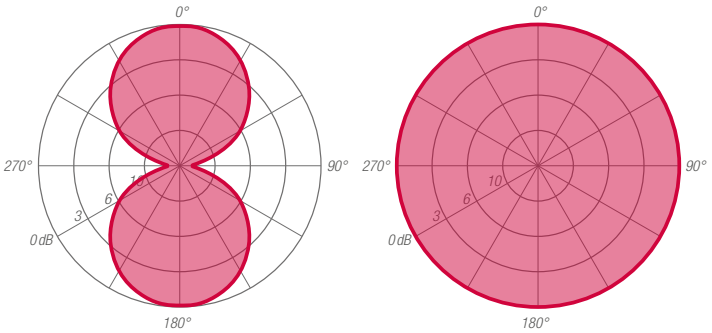


ANTENNA FEATURES

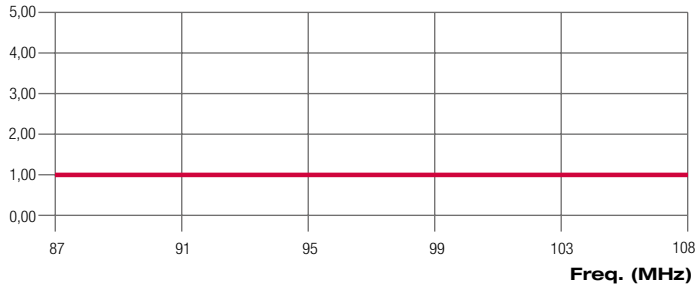
- Tuned coaxial dipole antenna 1.0 dBd gain.
- Vertical polarization.
- Bandwidth 0.2 MHz.
- Omnidirectional radiation pattern.
- Plug & play installation.

RADIATION PATTERNS (Mid Band)

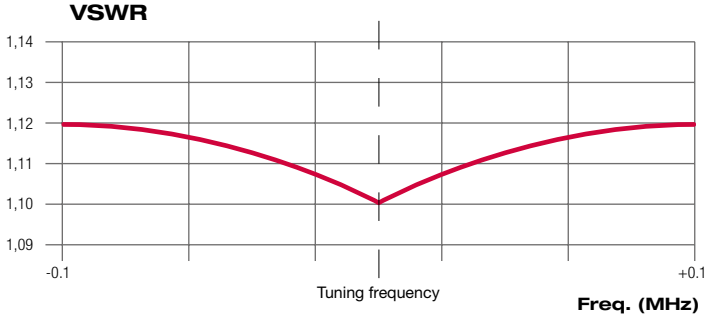


E - Plane **H - Plane**

GAIN (dB)



VSWR



ELECTRICAL DATA

WORKING BAND:	87.5 - 108 MHz
BANDWIDTH:	0.2 MHz - factory tuned
GAIN:	1.0 dBd (3.2 dBi)
VSWR:	≤ 1.12:1 (-25 dB)
POLARIZATION:	Vertical
IMPEDANCE:	50 Ohm unbalanced
HALF POWER BEAMWIDTH:	E-Plane - 90° H-Plane - 360°
AVAILABLE VERSION AND CODE:	ADC0202110 - DIN 7/16" female - max. 3000W rms

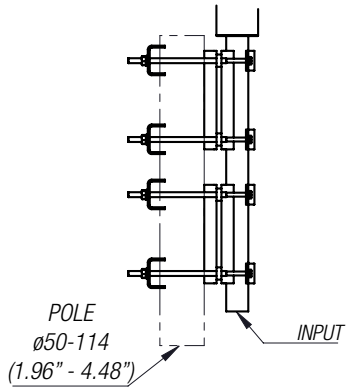
MECHANICAL DATA

MATERIALS:	Aluminium
MOUNTING:	Directly on supporting structure
MOUNTING BRACKETS:	Included for Ø50÷114mm pipe (Ø1.96" - 4.48")
TREATMENTS:	Hot dip galvanized steel bracket and bolts
ANTENNA DIMENSIONS:	Max. 3940x95 mm (155.1x3.7 in) [a]
WEIGHT:	10 kg (22.05 lb)
WIND SURFACE:	0.22 m² (2.36 ft²) front - 0.22m² (2.36 ft²) side [a]
WIND LOAD (160 km/h and 30°C)	0.37 kN front - 0.37 kN side [a]
SURVIVAL WIND:	180 km/h (111.85 mph)
PACKING DIMENSIONS:	3000x250x250 mm - 20 kg (118.1x9.84x9.84 in - 44.1 lb)

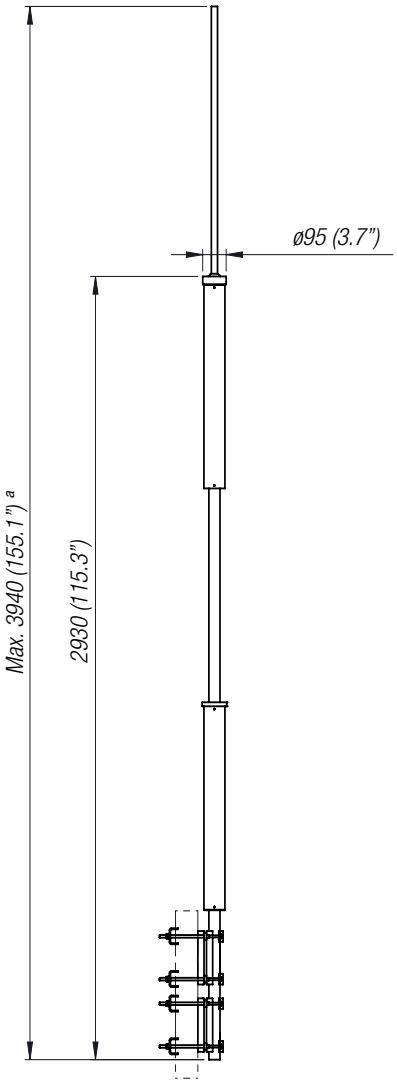
(a) Final value depending on working frequency

ANTENNA DIMENSIONAL DETAILS

MOUNTING BRACKET DETAIL



ANTENNA DIMENSIONAL DETAILS - SIDE



(a) Final value depending on working frequency

OPTIONS & SERVICES

PATTERN DESIGN	Custom azimuth and elevation (beam tilt and null fill) patterns can be designed to meet specific protection/coverage requirements
PATTERN CERTIFICATION	Proof-of-performance factory test and pattern measurements on ALDENA test plan area
MOUNTING HARDWARE	Turn-key antenna delivering Tower top/side spine Special hardware/brackets
TRANSMISSION LINE	Transmission line system design and layout
COMBINERS/FILTERS	Combiners/Filters to suit requirements can be supplied
CALCULATION SERVICES	Coverage/interferfence simulations EM Near Field control and reduction (Environmental impact studies)
ON-SITE SERVICES	Site Survey and Inspection Installation/commissioning and supervisioning Drive test & EM Field strength measurements After sales maintenance
TRAINING	Techical training certification and consultancy