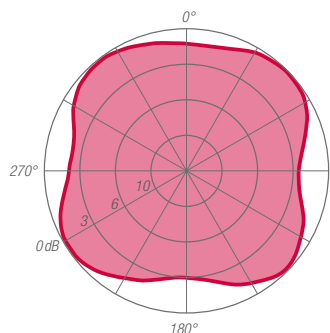




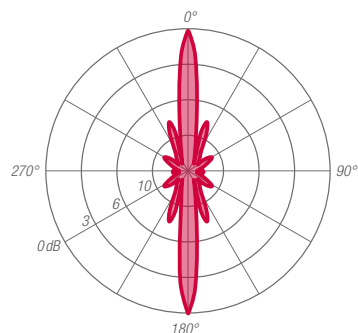
ANTENNA FEATURES

- Turnstile antenna 8.5 dBd gain.
- Horizontal polarization.
- Broadband 470÷862 MHz.
- Omnidirectional radiation pattern.
- Designed for digital and/or analogue services.
- Plug-and-play installation.

RADIATION PATTERNS (Mid Band)

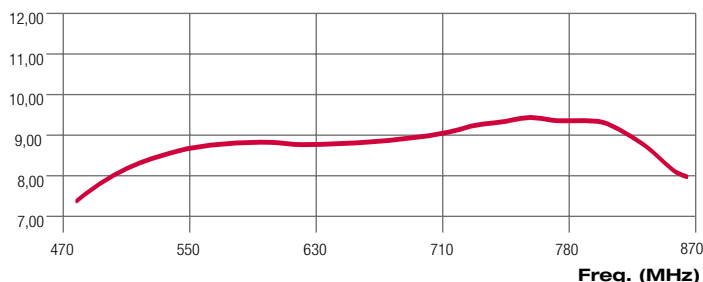


E - Plane

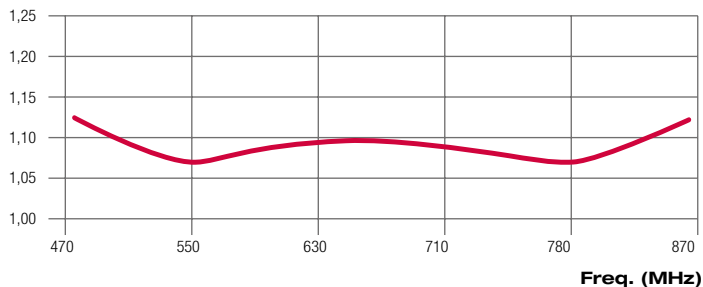


H - Plane

GAIN (dB)



VSWR



ELECTRICAL DATA

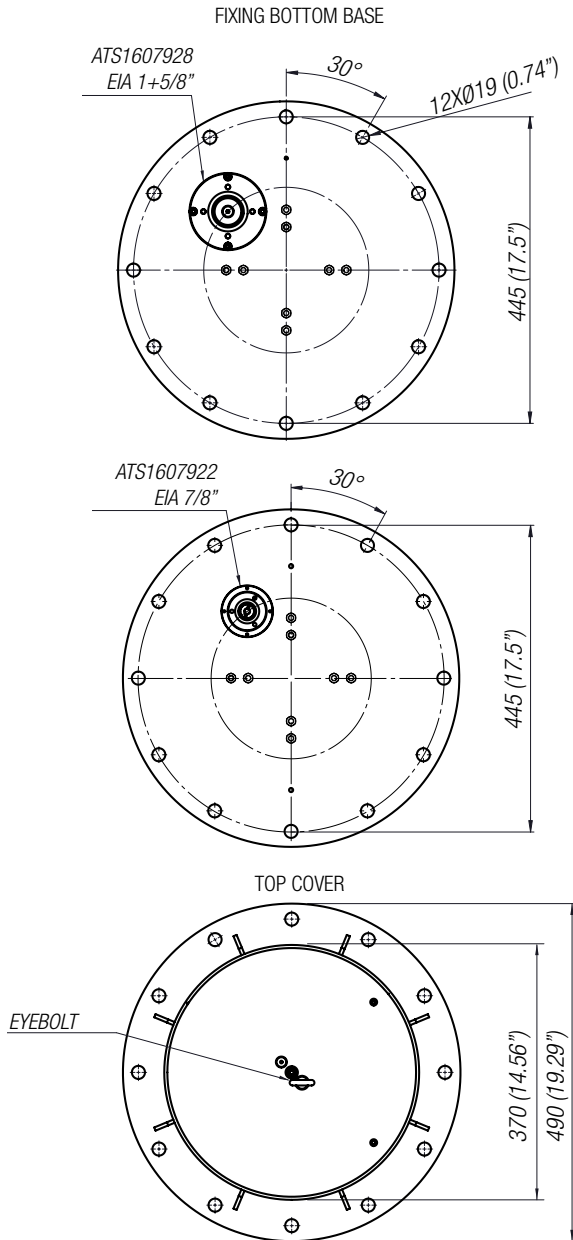
WORKING BAND:	470-862 MHz
BANDWIDTH:	UHF IV/V band
GAIN:	8.5 dBd (10.7 dBi)
VSWR:	≤ 1.12:1 (-25 dB)
POLARIZATION:	Horizontal
IMPEDANCE:	50 Ohm balanced
HALF POWER BEAMWIDTH:	E-Plane - 360° H-Plane - 11°
LIGHTNING PROTECTION:	All metal parts DC grounded including inner conductors Vertical lightning protection system included
AVAILABLE VERSION AND CODE:	ATS1607922 - EIA 7/8 female - 2000W rms ATS1607928 - EIA 1 5/8" - 5000W rms

MECHANICAL DATA

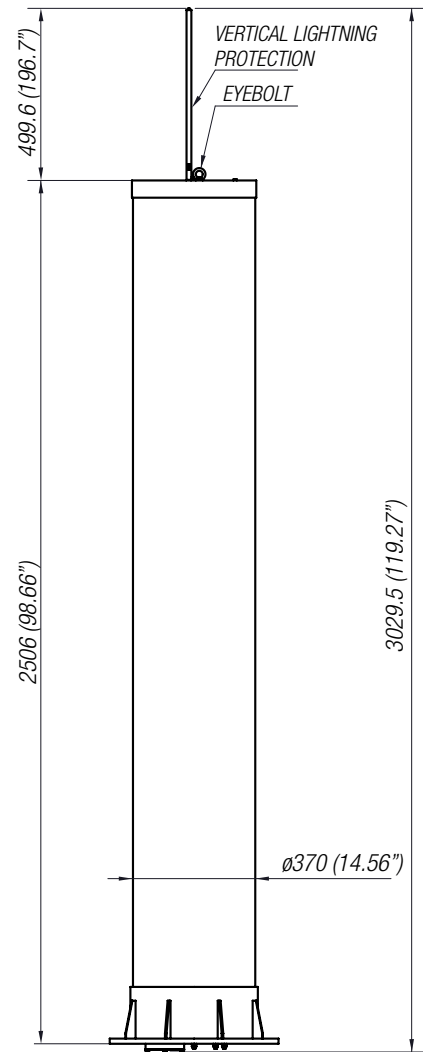
MATERIALS:	Aluminium, hot dip galvanized steel and stainless steel
MOUNTING:	Directly on top of existing structure/mast by means of a flange ø490 (19.29 in) 12xM18 (holes)
MOUNTING BRACKETS:	Included
ICING PROTECTION:	Whole antenna fully covered by PP-HD radome Standard grey color
TREATMENTS:	Cover in stainless steel Bottom base bracket and bolts in hot dip galvanized steel Silver-plated connector and lines Military norms treatment (MIL-C-5541) dipoles
PRESSURIZATION:	No
ANTENNA DIMENSIONS:	370x2506mm (14.56x98.66 in) Base flange ø490mm (19.29 in)
WEIGHT:	68 kg (149.9 lb)
WIND SURFACE:	0.94 m² (10.12 ft²) front - 0.94m² (10.12 ft²) side
WIND LOAD (160 km/h and 30°C)	0.76 kN front - 0.76 kN side
SURVIVAL WIND:	180 km/h (111.85 mph)
PACKING DIMENSIONS:	Wooden cage (ISPM-15) 600x700x2700mm - 108 kg (23.62x27.55x106.29 in - 238 lb)
SPECIAL FEATURES:	Beaconing light upon request Beam tilt and special requirements to order

Specification are subject to change without notice

ANTENNA DIMENSIONAL DETAILS - PLAN



ANTENNA DIMENSIONAL DETAILS - SIDE



OPTIONS & SERVICES

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

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TELECOMUNICAZIONI ALDENA SRL

www.aldena.it - aldena@aldena.it