

UTVC-01/X

UHF PANEL ANTENNA

FEATURES

- dual polarization $\pm 45^\circ$
- broadband 470 ÷ 608 MHz
- 11 dB gain
- directional pattern
- suitable as a component in various arrays



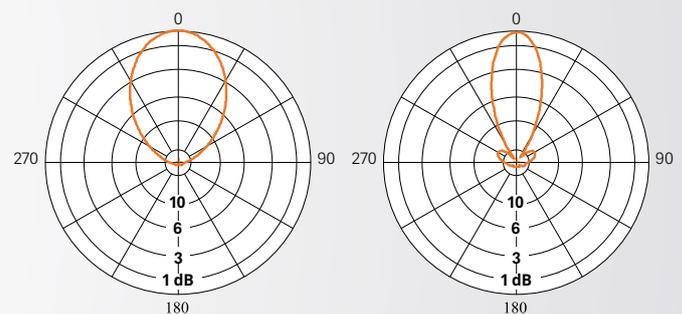
ELECTRICAL DATA

ANTENNA TYPE	UTVC-01/X
FREQUENCY RANGE	470 ÷ 608 MHz
IMPEDANCE	50 ohm
CONNECTOR	2 x 7/8" EIA
MAX POWER	2 x 2.5 kW
VSWR	≤ 1.18
POLARIZATION	$\pm 45^\circ$
GAIN (referred to half wave dipole)	11 dB
HALF POWER BEAMWIDTH	Horizontal-Plane $\pm 31^\circ$ Vertical-Plane $\pm 16^\circ$
LIGHTNING PROTECTION	All metal parts of the antenna are DC grounded

MECHANICAL DATA

DIMENSIONS mm (in)	1133 x 703 x 285 (44.6 x 27.7 x 11.2)
WEIGHT kg (lb)	26 (57)
WIND SURFACE m ² (ft ²)	0.8 (8.6)
WIND LOAD kN (lbf) at 160 km/h (100 mph)	1.25 (281)
MAX WIND VELOCITY km/h (mph)	220 (136.7)
MATERIALS	Stainless steel, brass, copper, teflon, fiberglass (radome)
ICING PROTECTION	Full radome
RADOME COLOUR	Orange (RAL 2009) - White (standard)
MOUNTING	Directly on supporting mast or with special pipe clamps

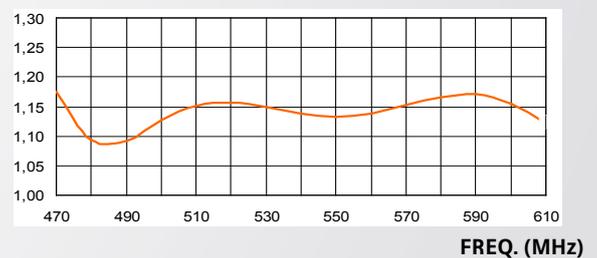
RADIATION PATTERNS (Mid Band)
polarization $\pm 45^\circ$



Horizontal Plane

Vertical Plane

VSWR



GAIN (dB)

