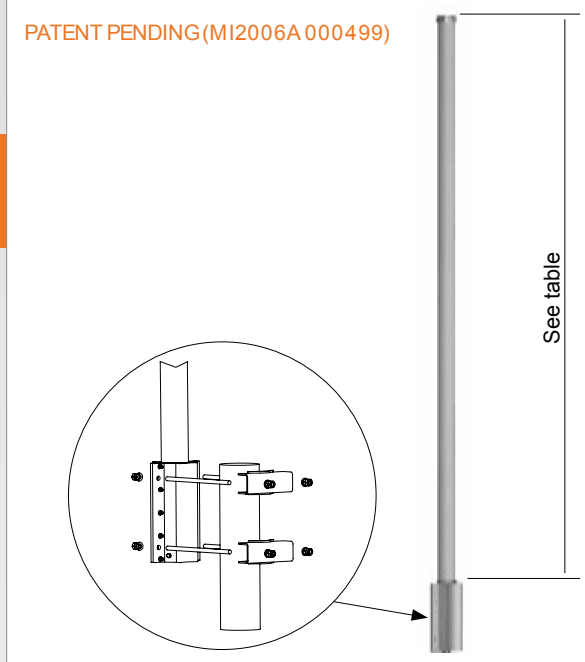
UTV-15

UHF (DVB-H) OMNI ANTENNA

PATENT PENDING (MI2006A 000499)



FeAt u Res

- vertical polarization
- broadband
- 8 dB gain
- omnidirectional pattern

ELECTRICAL DATA

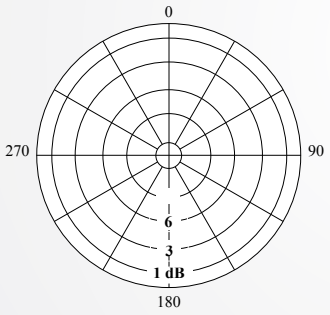
ANTENNA TYPE	UTV-15/A	UTV-15/B	UTV-15/C	UTV-15/D	UTV-15/CD
FREQUENCY RANGE (MHz)	470 ÷ 550	550 ÷ 638	638 ÷ 742	742 ÷ 862 (a)	678 ÷ 790
OPERATING CHANNELS (CCIR)	ch. 21÷ 30	ch. 31÷ 41	ch. 42 ÷ 54	ch. 55 ÷ 69 (a)	ch. 47 ÷ 60
ELECTRICAL DOWNTILT	0° - 2°	0° - 2°	0° - 2°	0° - 2°	0°
IMPEDANCE	50 ohm				
CONNECTOR	7/16 F				
MAX POWER	500 W				
VSWR	≤ 1.4				
POLARIZATION	Vertical				
GAIN (referred to half wave dipole)	8 dB				7.5 dB
HALF POWER BEAM WIDTH	E-Plane ± 3.5°				E-Plane ± 3.8°
LIGHTNING PROTECTION	The metal parts of the antenna,including the inner conductor, are DC grounded. From the solid metal tip right down to the base,the grounding cross-section is 90 mm² aluminium or more.				

(a) version 2° electrical downtilt freq=726÷862 MHz ch.53÷69

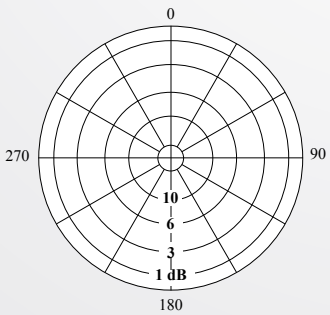
MECHANICAL DATA

DIMENSIONS	4492 x ø82	3927 x ø82	3377 x ø82	2942 x ø82	2942 x ø82
WEIGHT	23 kg	21 kg	19 kg	17 kg	17 kg
WIND SURFACE	0.37 m²	0.32 m²	0.28 m²	0.24 m²	0.24 m²
WIND LOAD (at 150km/h)	392 N	343 N	295 N	260 N	260 N
MATERIALS	Internal parts (Brass,Aluminium,Tefon) Radome (Fiberglass)				
ICING PROTECTION	Full radome				
RADOME COLOUR	Grey				
MOUNTING	On pole ø 60 ÷ 120 mm				

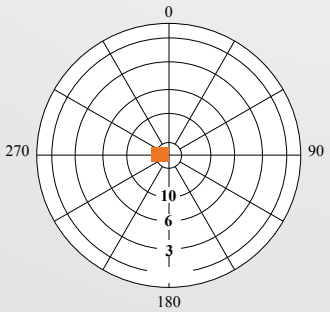
RADIATION PATTERN (Tipical)



H-Plane



E-Plane (0° tilt)



E-Plane (2° tilt)