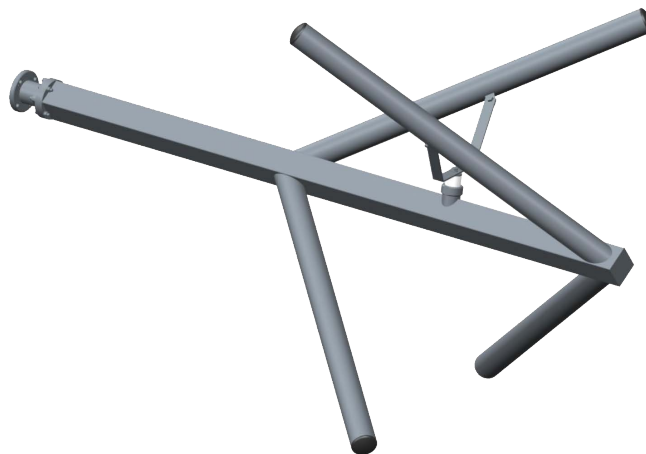


BAN0241AH1

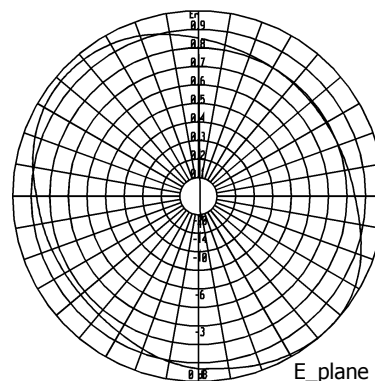
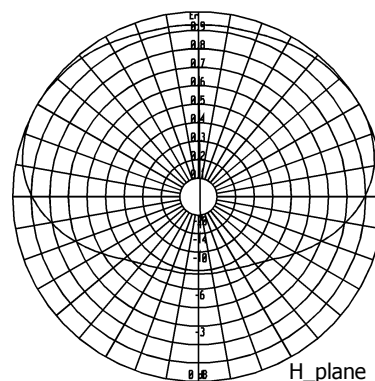
Heavy Duty Circular polarized Dipole Antenna

87.5÷108 MHz

Type	BAN0241AH1
Frequency	87.5÷108 MHz
Impedance	50 Ω
V.S.W.R.	< 1.40 (better values in sub-bands)
Gain	Refer to table below
Polarization	circular
Input connector (Max Power)	7/8" EIA Flange (5 kW)
option 1	1 5/8" EIA Flange (7 kW)
Survival wind velocity	220 km/h
Wind load (at 160 km/h)	460 N
Dipoles amterial	Stainless Steel AISI 304
Internal lineas material	Treated Aluminium
Insulators	PTFE
Dimensions	156x115x115 cm
Net weight	23 kg
Gross weight	26 kg



RADIATION PATTERN



The stainless steel antenna is completely sealed. All metallic parts are connected to ground. Pressurisable on request.

Stacked dipole system with omnidirectional radiation pattern can be realised with different elevation directivity, as shown in the following table.

# of bays	Gain [dBd]	Antenna height [m]
2	1.5	3.8
3	3.2	6.4
4	4.5	9.0
6	6.2	14.2
8	7.5	19.4
12	9.2	29.8

MOUNTING SYSTEM

With special clamps for pole:
 Ø 50÷110 mm