

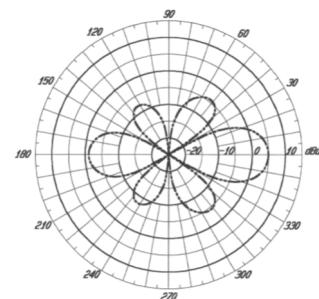
2-STACK UHF DIPOLE ANTENNAS

- ☑ The HD two stack arrays use center-fed, broadband, half-wave antennas.
- ☑ Antennas stacked vertically reduce the width of the vertical beam but the width of the horizontal beam is not altered.
- ☑ 3dB Gain.
- ☑ The dipole radiation pattern can tilt downwards for up to six degrees (6°) using a special phasing harness.

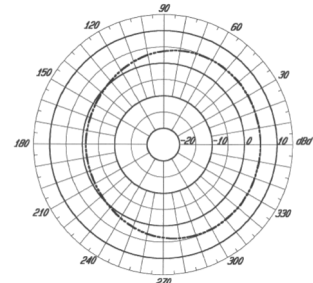


HD 2-STACK

Electrical Data	HD420/2S	HD460/2S
Frequency	400 – 430 MHz	440 – 470 MHz
Average Gain	3 dBd	
Nominal Gain	5 dBd (on support pipe)	
VSWR	≤ 1,5:1	
Polarisation	Vertical	
H-Plane	3 dB Beam Width 230°	
E-Plane	3 dB Beam Width 32°	
Rated Power	500 W	
Impedance	50 Ohm (Ω)	
Termination	N-Type male	
Surge Protection	All metal parts directly grounded	
Mechanical Data		
Max. wind velocity	200 km/h	
Wind Load	16,8 kg @ 144 km/h	
Flat Plate Area	0,159 m²	
Material	Aluminium with moulded cover	
Mounting	With integral V-bolt to support pipe Ø25 – 50mm (support pipe included)	
Antenna Array	Length 1,5 m	
Packed Dims	2 off 32 cm x 25 cm x 10 cm; 1 off 32 cm x 33 cm x 6 cm	
Packed Weight	1,6 kg	



Typical Vertical Pattern



Typical Horizontal Pattern

NOTES:
 VERTICAL POLARIZATION.
 NORMALIZED SCALE
 – NOT GAIN.