

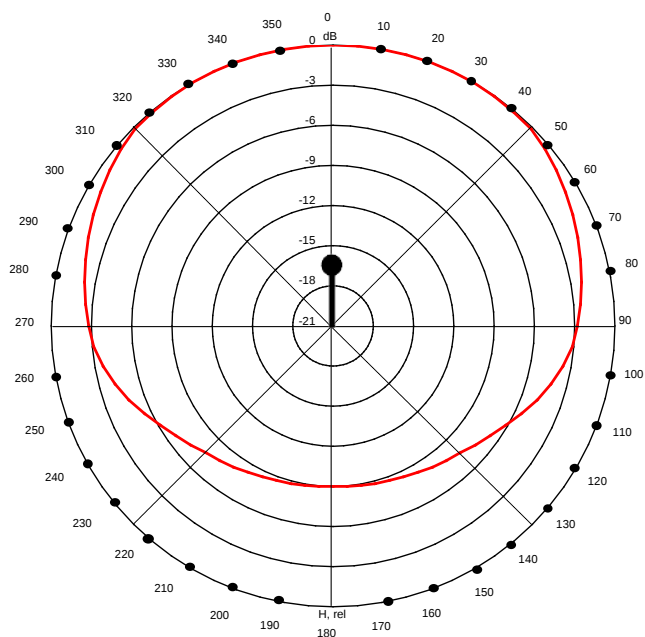
Model "ED600"



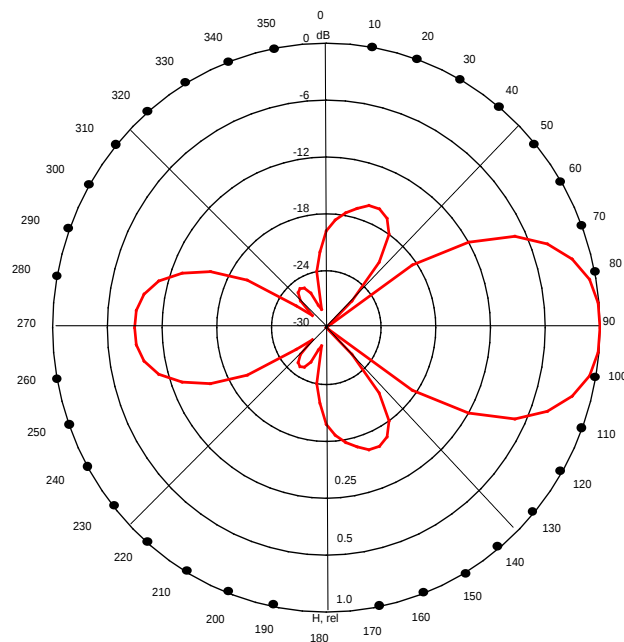
Omni-oid offset dipole antenna covering the 512-698 MHz spectrum. The entire antenna is constructed out of 6061 structural aluminum. All integral radiating joints are welded, not bolted, ensuring many years of reliable performance with low PIM.

Multiple bays of the ED600 can be stacked vertically to satisfy increased gain and power requirements. An external power divider and feed cables are included with each multiple bay array.

Electrical



V pol - Horizontal Radiation Pattern (H-Plane)



V pol - Vertical Radiation Pattern (E-Plane)

- Frequency: 512-698 MHz
- Gain: 5.5 dBd (7.6 dBi) single bay
- 3dB HPBW (H-Plane): 200 degrees
- 3dB HPBW (E-Plane): 30 degrees
- Impedance: 50 ohms
- VSWR: <1.3:1 (1.2:1 typical)
- Polarization: Vertical
- Max. Input Power: 500W standard, higher input power available
- PIM: < -150 dBc (2 x 20w)
- Input Connector: N female
- F/B Ratio: 9 dB
- XPD: 20 dB typical
- Beam tilt: Any degree of electrical or mechanical available

Mechanical

- Exterior material: Structural aluminum, all weld
- Interior material: Machined brass
- Dimensions: 865 mm X 200 mm
- Grounding: Antenna and radiating elements are DC grounded for lightning protection
- Mounting clamps: HDG clamps are included for attachment to customer supplied mast up to 63 mm (2.5") OD.
- Icing protection: Antenna design, internal network, and feed point cover ensure reliable operation under adverse weather conditions
- Shipping: The antenna is shipped fully assembled



# of Bays	Gain (dBd)	Gain (dBi)	Gain (Pr)	Weight (Kg)	Overall Height (meters)	Windload N @ 160 km/h	
						Frontal	Lateral
1	5.5	7.6	3.6	2.5	0.9	50	70
2	8.6	10.7	7.2	5.0	1.9	100	140
3	10.4	12.5	11.0	7.5	2.9	150	210
4	11.8	13.9	15.1	10.0	4.0	200	280
6	13.5	15.6	22.4	15.0	6.0	300	420
8	15.0	17.1	31.6	20.0	8.0	400	560
12	16.5	18.5	44.7	30.0	12.5	600	840

470-698 MHz
UHF Band TVWS



Antenna Height { H } in Meters Antenna Spacing { S } in mm		
No of Bays	H	S
1	0.9	-
2	1.9	1015
3	2.9	1015
4	4.0	1015
6	6.0	1015
8	8.0	1015
12	12.5	1015

