



118-136 MHz Dipole antennas D1 AVIA, D2 AVIA, D4 AVIA, D8 AVIA

107497, Moscow Chernicinsky pr-d 7/1
Tel.: (495) 775-43-19, 462-44-14
Tel./fax: 462-44-14
E-mail: radial@radial.ru
www.radial.ru



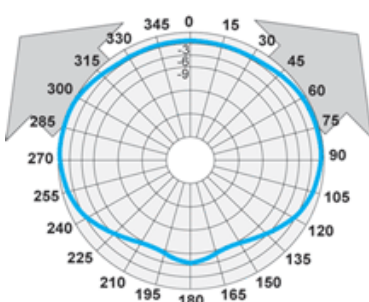
Electrical specifications

Model	D1 AVIA	D2 AVIA	D4 AVIA	D8 AVIA
Operating frequency band, MHz			118-136	
VSWR, not more than			1.5	
Gain OMNI, dBi	2.15	5.15	8.15	11.15
OFFSET, dBi	5.15	8.15	11.15	14.15
Sector in vertical plane, -3dB	70°	37°	18°	9°
Impedance, Ohm			50	
Max. power input, W	100	200	400	400

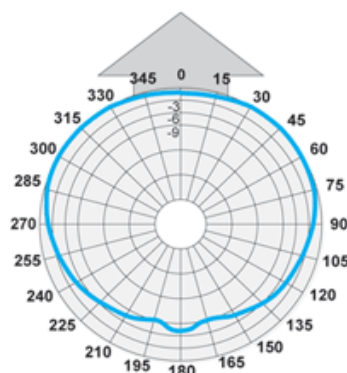
Mechanical specifications

Model	D1 VHF	D2 VHF	D4 VHF	D8 VHF
Weight, kg	3.8	8.2	16.6	33.2
Height/Length, M	1.1	2.5	5.3	14.5
Construction material			Aluminium alloy	
Mast diameter, mm			38-65	
Rated wind velocity, m/s			45	
Wind loading area, m ²	0.16	0.28	0.55	1.23
Load of side wind 45 m/s, H	98	199	400	803
Rated wind velocity with 0.5" icing, m/s			28	
Temperature range, °C			from -50 to +50	
Connector			N-female	

D1 AVIA in H-plane, OMNI (1/2λ)



D1 AVIA in H-plane, OFFSET (1/4λ)



D1 AVIA in H-plane, OFFSET (1/8λ)

