



390-490 MHz Directional antennas Y4 UHF (L, H)

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



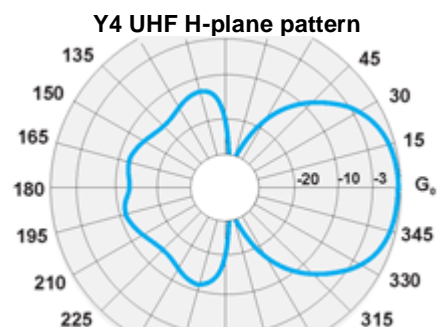
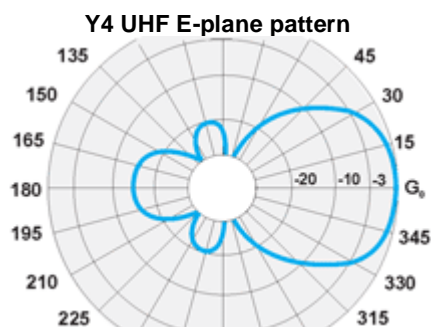
Electrical specifications

Model	Y4 UHF(L)	Y4 UHF(H)
Operating frequency band, MHz	390-440	430-490
VSWR, not more than		1.5
Gain, dBi		8.15
Sector , -3dB in vertical plane		63°
in horizontal plane		68°
Polarization		vertical
Impedance, Ohm		50
Max. power input, W		400

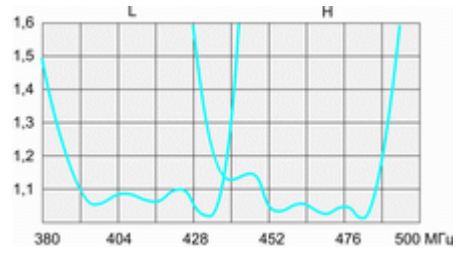
Mechanical specifications

Model	Y4 UHF(L)	Y4 UHF(H)
Weight, kg		1.45
Size, mm		840x350x120
Construction material		Aluminium alloy
Mast diametr, mm		25-55
Rated wind velocity, m/s		45
Wind loading area, m ²	0.05	0.04
Load of side wind 45 m/s, H	55	45
Rated wind velocity with 0.5" icing, m/s		28
Temperature range, °C		from -50 to +50
Connector		N-female

Antenna Y4 UHF was designed specifically to operate as a part of communication systems in regions with tough climatic conditions: at far North, mountainous regions, and maritime climatic zone. All-welded construction makes it invulnerable to icing and strong wind. Polymeric coating protects it from hostile environment. This antenna will be optimal for subscriber radio stations, operating with frequency separation 10-12 MHz, due to wide operating band. There are not so many antennas able to provide such bandwidth!



VSWR diagram, Y4 UHF(L, H)



2011