



WLAN 2400-2485 MHz Collinear antennas A-3W, A-7W, A-10W

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

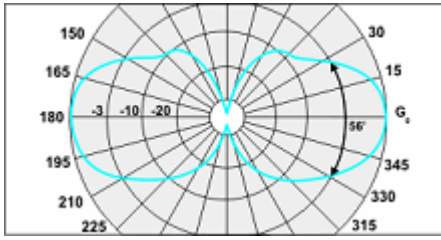
Model	A-3W	A-7W	A-10W
Operating frequency band, MHz	2400-2485	2400-2485	2400-2485
Gain, dBi	3	7	10
VSWR, not more than	1.5	1.5	1.5
Front-to-back ratio, dB			present
Polarization			vertical
Electrical downtilt	0°	6°	9°
Max. power input, W	10	10	10
Sector in H-plane (-3 dB)	360°	360°	360°
Sector in E-plane (-3 dB)	56°	14°	6.5°
Impedance, Ohm	50	50	50

Mechanical specifications

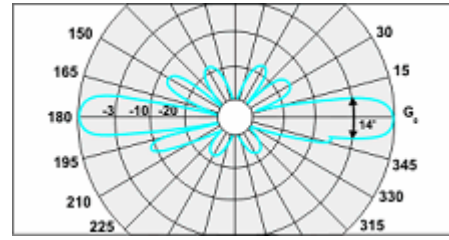
Model	A-3W	A-7W	A-10W
Dimensions (LxWxH), mm	35x35x370	35x35x840	35x35x1330
Weight, kg	0.1	0.28	0.38
Rated wind velocity, m/s	50	50	40
Radiator	PCB	PCB	PCB
Radome	white PVC		grey, PVC
Mounting		on a mast diam. 35-70 mm or on a wall	
Connector		N-female (TNC optional)	

These spike antennas possess an ideally circular radiation pattern in horizontal plane and a gain of 3, 7 and 10 dBi, correspondingly. The antenna A-3W is recommended to be applied as the inside-the-office antenna, where it is not possible to use the antennas with high gain. The models A-7W and A-10W have an increased gain and a tilt of the radiation pattern in the vertical plane what ensures the most efficient reception and transmission of SHF energy near the earth surface where the subscribers are positioned. These models are applied in the case of the central disposition of the base station or in the case when the objects are non- significantly distanced.

A-3W E-plane pattern



A-7W E-plane pattern (2.485 GHz)



A-10W E-plane pattern (2.4 GHz)

