



## DECT 1880-1900 MHz Collinear antennas A-3D, A-5D, A-8D

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### Electrical specifications

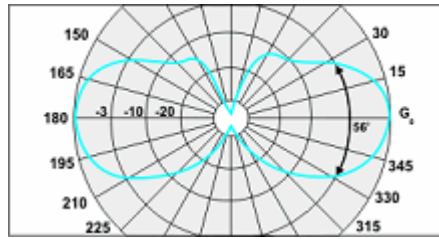
Model	A-3D	A-5D	A-8D
Operating Frequency band, MHz	1880-1900	1880-1900	1880-1900
Gain, dBi	3	5.2	8
VSWR, not more than	1.5	1.5	1.5
Polarization	vertical	vertical	vertical
Electrical downtilt	0°	0°	3°
Max. power input, W	10	10	10
Sector in H-plane (-3 dB)		360°	
Sector in E-plane (-3 dB)	56°	22°	10°
Impedance, Ohm	50	50	50

### Mechanical specifications

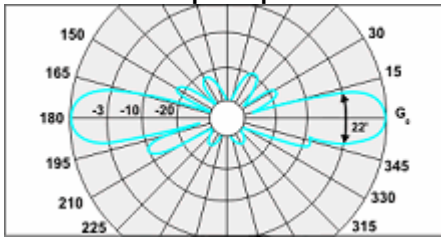
Model	A-3D	A-5D	A-8D
Dimensions (LxWxH), mm	35x35x370	35x35x840	35x35x1330
Weight, kg	0.1	0.28	0.38
Rated Wind Velocity, m/s	50	55	40
Radiator	PCB	PCB	PCB
Radome	grey PVC	grey PVC	grey PVC
Mounting kit	on a wall		on a mast
Connector	TNC-male		N-female (TNC optional)

These antennas are characterized by an ideally circular radiation pattern in horizontal plane and a gain coefficients of 3, 5,2 and 8 dBi correspondingly. The antenna A-3D is recommended to be applied as an inside-the-office antenna, while the rest of antennas - as the base antennas. The model A-8D has an increased gain and a tilt of the radiation pattern in a vertical plane what provides a maximum efficiency at receiving and transmitting the SHF power near the earth surface, where the subscribers are positioned.

A-3D E-plane pattern



A-5D E-plane pattern



A-8D E-plane pattern

