



## 5750-5850 MHz Collinear antennas A-8Z, A-11Z

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### Electrical specifications

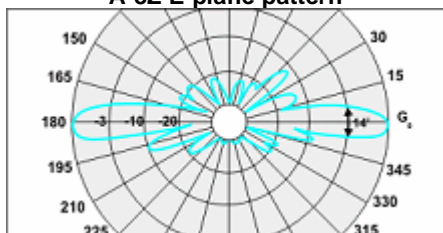
Model	A-8Z	A-11Z
Operating frequency band, MHz	5750-5850	5750-5850
Gain, dBi	8	11
VSWR, not more than	1.5	1.5
Polarization		vertical
Electrical downtilt (5.75 GHz)	1°	2°
Max. power input, W	10	10
Sector in H-plane (-3 dB)	360°	360°
Sector in E-plane (-3 dB)	14°	7°
Impedance, Ohm	50	50

### Mechanical specifications

Model	A-8Z	A-11Z
Dimensions (LxWxH), mm	35x35x370	35x35x810
Weight, kg	0.1	0.25
Rated wind velocity, m/s	50	50
Radiator	PCB	PCB
Radome	grey PVC	grey PVC
Mounting kit CPK-70		On a mast (35-70 mm) or on wall
Connector		N-female

The vertical antennas A-8Z and A-11Z possess an increased gain (8 and 11 dBi), an ideally circular radiation pattern, small electrical tilt of the beam in a vertical plane. Their construction is formed by an antenna array with consequent feeding of the elements on the printed circuit board, implemented on the SHF material, which is characterized by a small value of the dielectric losses. The printed circuit boards are also plated by an SHF-lacquer, and the radome is encapsulated. The antennas are characterized by small sizes and reliable implementation.

**A-8Z E-plane pattern**



**A-11Z E-plane pattern**

