

DAWICOM s.r.o. — manufacturer of the antennas for WiFi, WiMAX and LTE

DSM19-45-90/2A-WiMAX35 (3.4-3.6 GHz band)

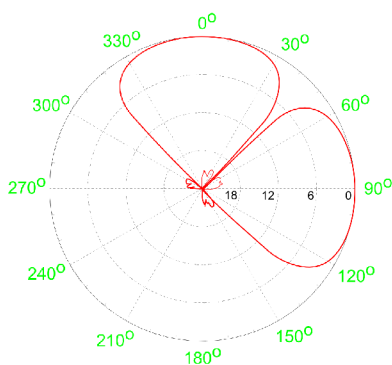
The outdoor professional high gain antenna cluster. In this cluster are 2 independent sector antennas with -45° orthogonal polarization and with radiation pattern in horizontal plane $90^\circ @ -6$ dB. Both antennas are in same enclosure. Typical value of VSWR is 1.2-1.3, guaranteed value is 1.5 over all band. The high gain of the antennas predetermines using of the cluster in multipoint application like a base station cluster with high efficiency.

Parameters:

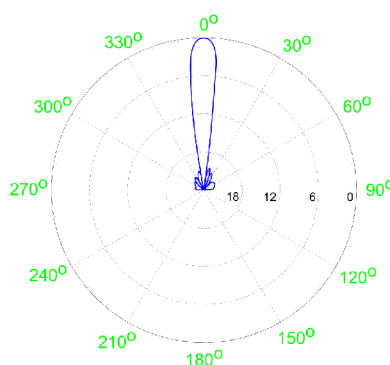
Gain: 2x19 dBi
Polarization: -45° orthogonal
Impedance: 2x 50 Ohm
Termination: 2x N-female
Dimension: diameter 110 x height 1000 mm
Horizontal Beamwidth: 2x 90° (E-plane@-6dB)
VSWR: 1.5
Vertical Beamwidth: 11° (V-plane@-3dB)
Band (GHz): 3.4-3.6
Power: max. 10 W
Weight: 2.7 kg
Antenna Enclosure: PVC-U (IP55 optionally)



Bottom view on the antenna



Radiation pattern in H-plane



Radiation pattern in V-plane