



Base Antennas for WiMAX

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Model	Short description	Band, MHz	Gain, dBi
RAS-12X-60	Panel, sector in horiz. plane 60°, ABS-grey	3400-3600	12
RAS-15X-60	Panel, sector in horiz. plane 60°, ABS-grey	3400-3600	15
RAS-18X-60	Panel, sector in horiz. plane 60°, ABS-grey	3400-3600	18

2009



3400-3600 MHz Panel antennas RAS-12X-60, RAS-15X-60, RAS-18X-60

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RAS-12X-60



RAS-15X-60



RAS-18X-60



Electrical specifications

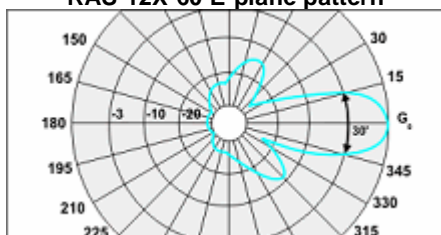
Model	RAS-12X-60	RAS-15X-60	RAS-18X-60
Operating frequency band, MHz	3400-3600	3400-3600	3400-3600
Gain, dBi	12	15	18
VSWR, not more than	1.5	1.5	1.5
Front-to-back ratio, dB	30	34	36
Polarization		vertical	
Max. power input, W	10	10	10
Sector in H-plane (-3 dB)	60°	60°	60°
Sector in E-plane (-3 dB)	30°	12°	6°

Mechanical specifications

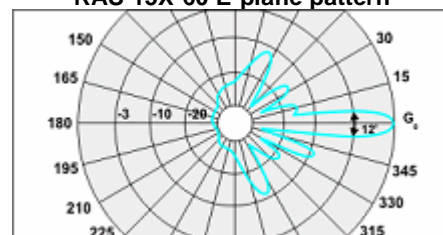
Model	RAS-12X-60	RAS-15X-60	RAS-18X-60
Dimensions (LxWxH), mm	195x65x300	200x60x520	200x60x740
Weight, kg	0.54	1.1	1.6
Rated wind velocity, m/s	55	55	43
Radiator	PCB	PCB	PCB
Radome		grey ABS	
Mounting	on a wall or on a mast 30-220 mm with "Norma" or CP-55D, CP-115, CP-220		
Connector	N-female on a cable		

A set of the panel sector antennas for 3,4-3,6 GHz is represented up to now by only these models. A high gain (up to 18 dBi), a standard sector of irradiation in horizontal plane of 60°, a reliable all-weather types performance, an universal way of mounting (on the wall, on the pipe-mast of the diameter 25-220mm), the cable output - all of these factors allow applying the antennas for the construction of the base stations WiMAX. The cable output is implemented on the high-quality cable of Huber-Suhner production and on a connector of Rosenberger production what ensures a stability of the characteristics.

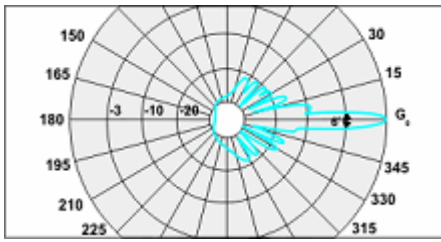
RAS-12X-60 E-plane pattern



RAS-15X-60 E-plane pattern



RAS-18X-60 E-plane pattern



"RAS-X-60" antennas H-plane pattern

