



Oscar 20

2G/GPRS, 3G/UMTS, 4G/LTE Yagi Antenna



Key Features

- 7-8dB gain
- Small size
- Highly sensitive

General Description

The Oscar 20 antenna is a high gain, quad band 2G/3G and 4G antenna for connectivity in remote environments where a point to point link is the only effective method of communication between equipment and single cell site.

Designed for indoor or outdoor environments the antenna is supplied with a hinged mounting bracket and 5 metres of cable with an SMA male termination.

Cable assemblies are available in different lengths and connector types, see website for details.

Additional Considerations

- High performance for fringe coverage areas
- Includes bracket mount
- Suitable for both indoor and outdoor use
- Meets all EU compliance criteria for electronic goods





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Electrical Specifications

Operating Temperature:	-30 - +70°C
Storage Temperature:	-40 - +80°C
Peak Gain:	7 - 8dB
VSWR:	2.0:1
Operating Frequencies:	850/900/1800/1900/ 2100/2600MHz
Polarization:	Vertical
Maximum Power Rating	50 W

Mechanical Specifications

Dimensions:	L170 x W147 x H35mm
Antenna Connector:	SMA Female
Cable:	RG58 and SMA Male connector
Mounting Method:	Bracket

Frequency	Return Loss	VSWR
824 MHz	20.55dB	1.223dB
960 MHz	14.356dB	1.533dB
1880 MHz	21.68dB	1.189dB
1990 MHz	20.66dB	1.225dB

Ordering Details

Part Number	Description
OSCAR20/x/SMFA/S/S/15	2G/GPRS, 3G/UMTS, 4G/LTE Yagi Antenna only
OSCAR20/5M/SMAM/S/S/15	2G/GPRS, 3G/UMTS, 4G/LTE Yagi Antenna with 5M RG58 cable SMA Male