



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.

The Oscar 20 enables global 3G/4G connectivity in remote environments where a point to point link is the only effective method of communication between equipment and single cellsite.

Designed for indoor or outdoor environments and built with ABS plastic, Oscar 20 is supplied with a hinged mounting bracket, and 5 metres of cable with SMA male termination or alternatively without a cable.

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

Additional Considerations

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

Oscar 20

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

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

Mechanical Specifications

Dimensions:	170 x 35 x 147mm
Antenna Connector:	SMA Female
Cable:	RG58 and SMA Male connector
Mounting Method:	Bracket

Return Loss	VSWR
824MHz - 20.55dB	1.223dB
960MHz - 14.356dB	1.533dB
1880MHz - 21.68dB	1.189dB
1990MHz - 20.66dB	1.225dB
2170MHz - 21.88dB	1.189dB
2600MHz - 31.28dB	1.052dB

Ordering Details

Part Number	Description
OSCAR20/x/SMAF/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