



## Oscar 17

2G/(GSM/GPRS) & 3G/(UMTS) Omnidirectional Antenna



### Key Features

- European GSM/GPRS/UMTS
- 10dBi gain
- Omnidirectional

### General Description

The Oscar 17 is an Omni-directional wall / bracket mount antenna, operating on quad band GSM/GPRS and 3G/UMTS frequencies.

Its high quality monopole design provides a peak gain of 10dBi within its operating frequency range for improved site communication.

Supplied with a lightweight, durable aluminium mounting bracket, the antenna is designed for outdoor use to improve cellular signal strength reception and transmission.

Common applications for the Oscar 17 include, base station, remote monitoring and alarm/security systems.

Cable assemblies to match the antenna and device connections are available from Siretta in the RF Cables Section.

### Additional Considerations

- Ideal base station antenna
- Selection of cable assemblies available - see website





## Oscar 17

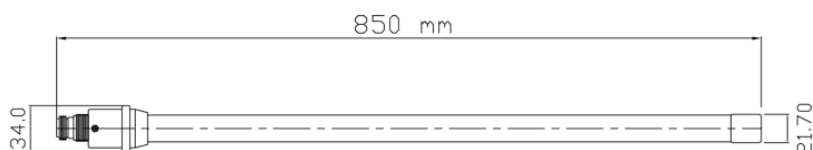
2G/(GSM/GPRS) & 3G/(UMTS) Omnidirectional Antenna

### Electrical Specifications

Temperature range:	-40 - +80°C
Impedance:	50 Ohm
Gain:	10 dBi
VSWR:	<1.9
Max power:	50W
Frequency range:	GSM 900/1800/1900/2100
Polarization:	Linear Vertical
HPVW / Horizontal:	360°
HPBW / Vertical:	8°
Humidity:	100% @ 25°C

### Mechanical Specifications

Dimensions:	L850 x W34mm Ø
Connector:	TNC Female



### VSWR

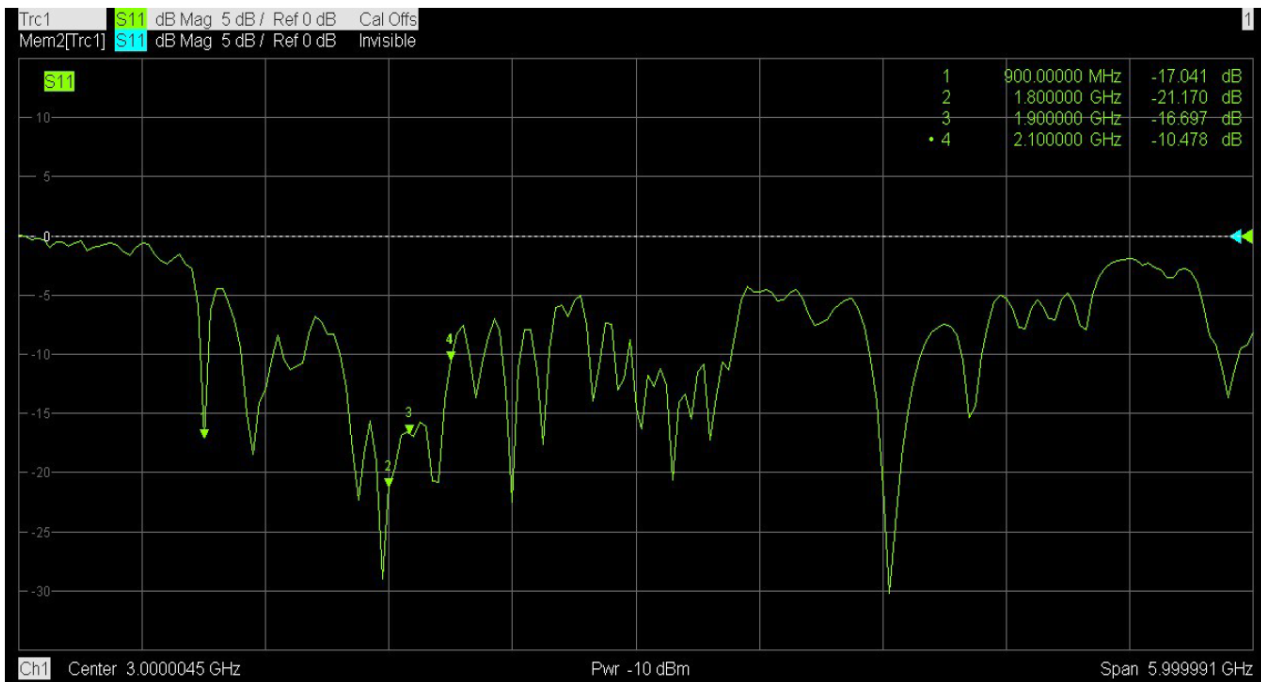




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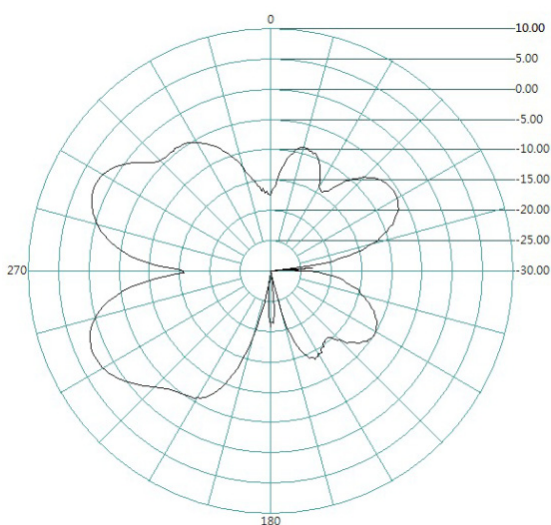
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### Return Loss

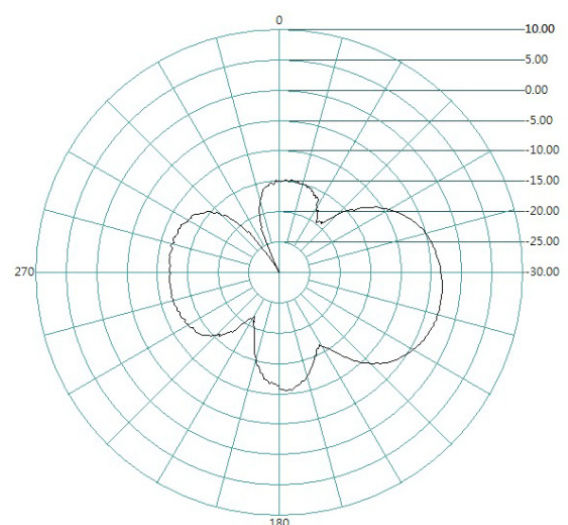


### Radiation Plots

#### E Plane 900MHz



#### H Plane 900MHz



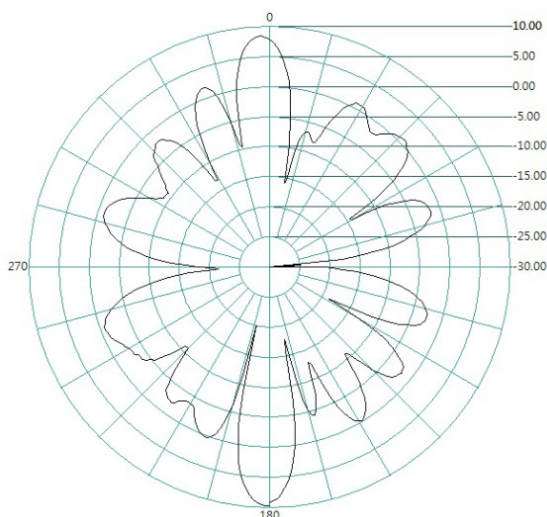


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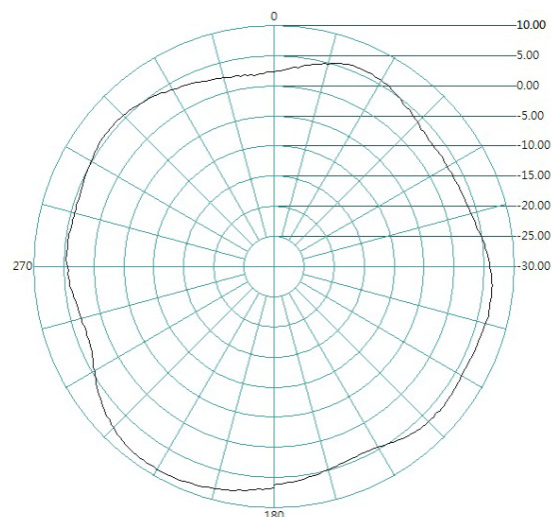
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### Radiation Plots

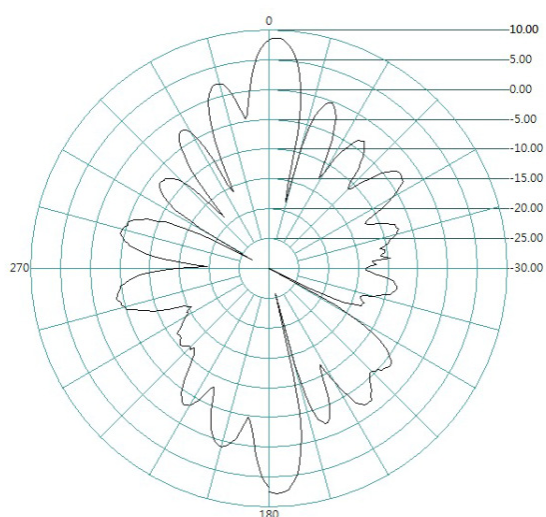
E Plane 1800MHz



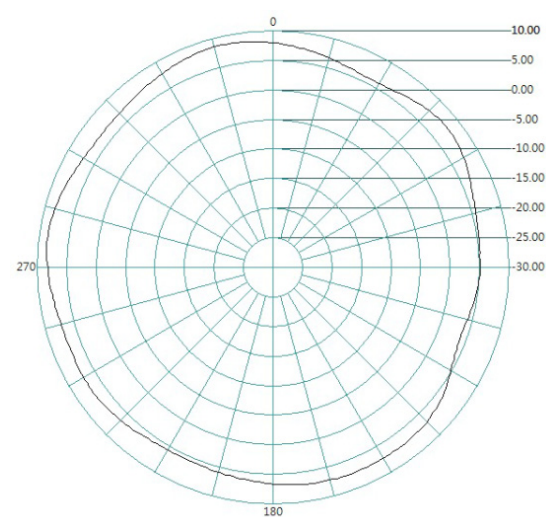
H Plane 1800MHz



E Plane 1900MHz



H Plane 1900MHz



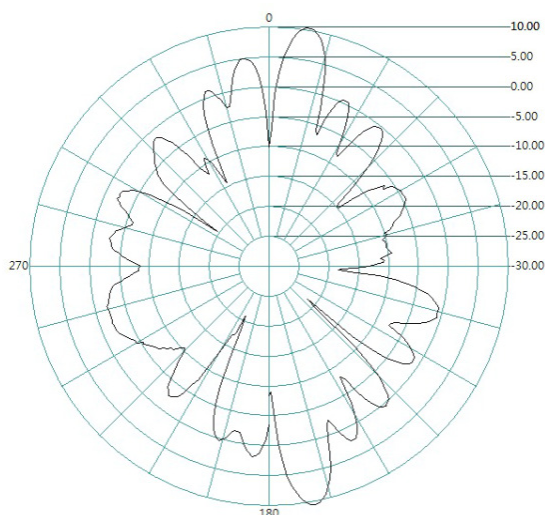


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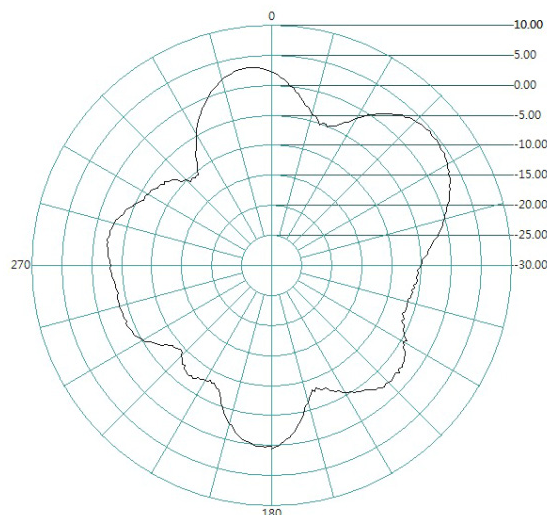
2G/(GSM/GPRS) & 3G/(UMTS) Omnidirectional Antenna

### Radiation Plots

E Plane 2100MHz



H Plane 2100MHz



### Ordering Details

Part Number	Description
OSCAR17/X/TNC/S/S/19	GSM/GPRS & 3G Omnidirectional Antenna
ASMZG1000A058L13	TNC Male to SMA Male 10m RG58 low loss cable assembly

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siretta:

[OSCAR17/X/TNC/S/S/19](#)