



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Key Features

- 7-8dB gain
- Small size
- Highly sensitive
- Includes bracket mount
- With or without cable
- Outdoor/indoor



General Description

The Siretta Oscar 20 antenna is a high gain, quad band 4G/3G and 2G antenna.

Ideal for remote telemetry and cellular enabled wireless equipment, Oscar 20 enables global 4G/3G 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 hinged mounting bracket and 5 metres of cable with SMA male termination or alternatively without a cable for you to choose any length and termination of cable you require.

Additional Considerations

- Allows high performance in fringe coverage areas
- 147mm x 170mm (excluding cable)
- SWR rating of 2.0:1
- Multi secured, high mount, ensures simple installation
- Meets all EU compliance criteria for electronic goods
- Can be used with any of our 0 - 20M low loss cable assemblies - SMA male

Key Specifications - Electrical

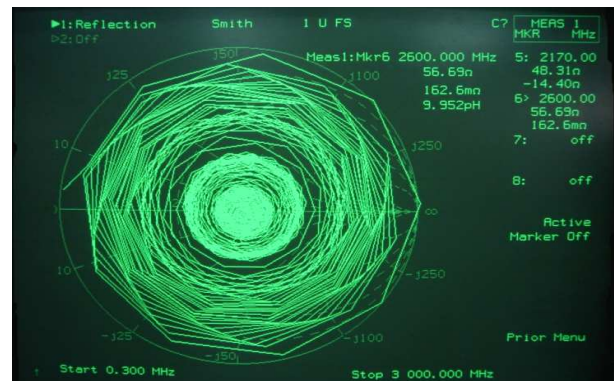
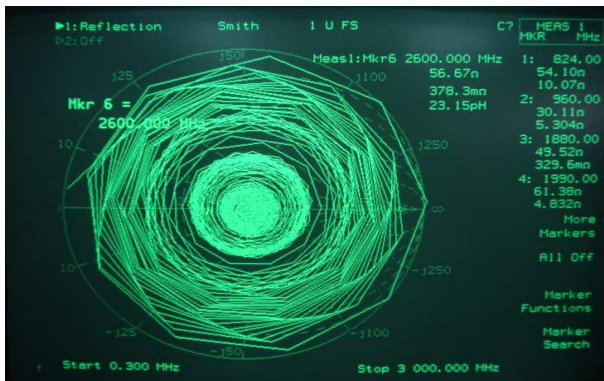
Temperature range:	-30 to +70°C
Storage temperature:	-40 to +80°C
Gain:	7 - 8dB
SWR:	2.0:1
Operating frequencies:	850/900/1800/1900/ 2100/2600MHz
Polarization:	Vertical
Radiating element:	Yagi

Key Specifications - Mechanical

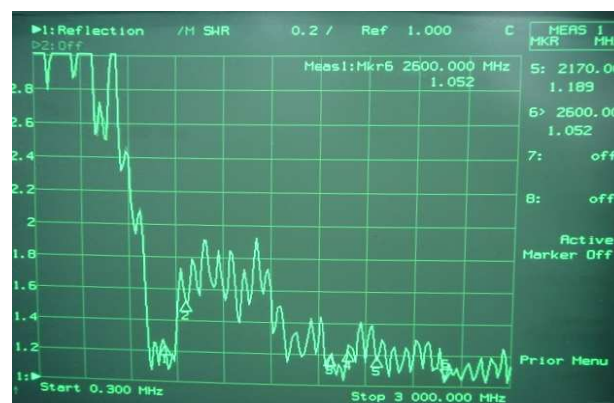
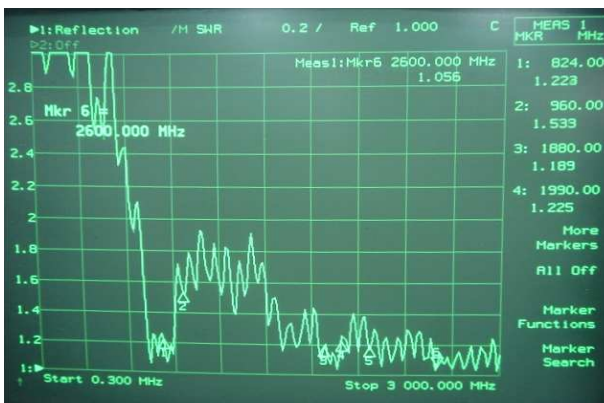
Dimensions:	170mm x 35mm x 147mm
Weight:	350g (inc. standard cable)
Antenna connector:	SMA female
Standard antenna:	5M RG58 cable and SMA male connector
Mounting method:	Bracket mount

Test Reports

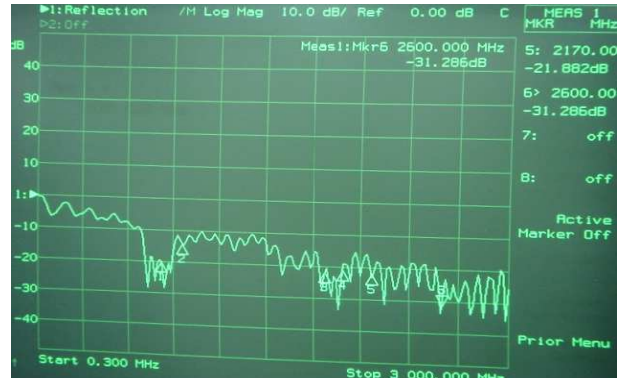
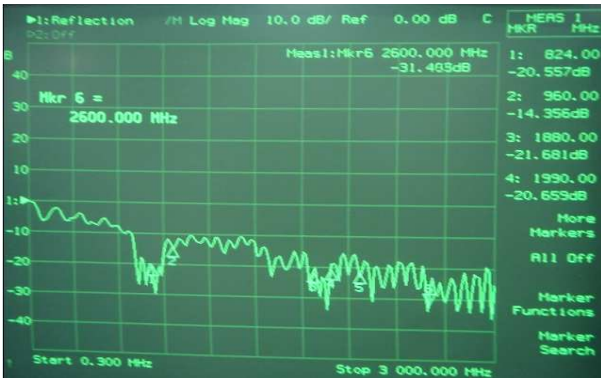
Smith Chart



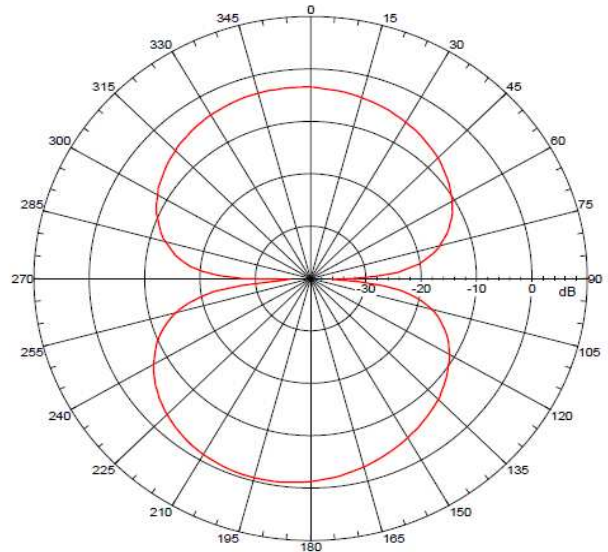
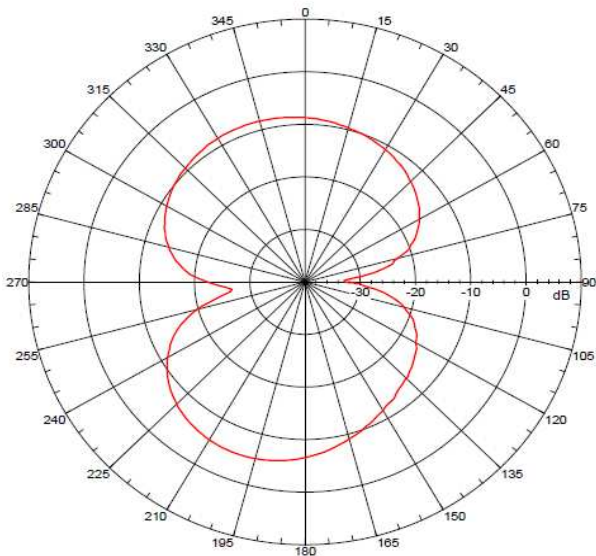
SWR



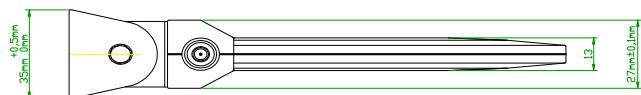
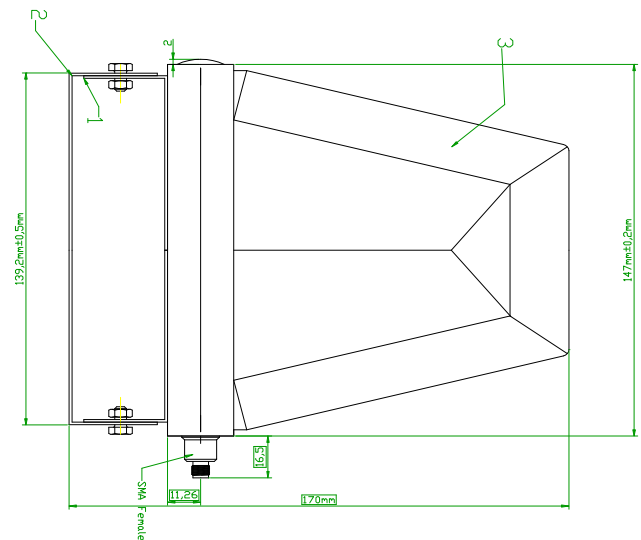
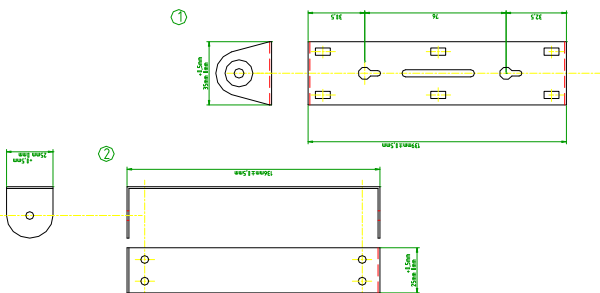
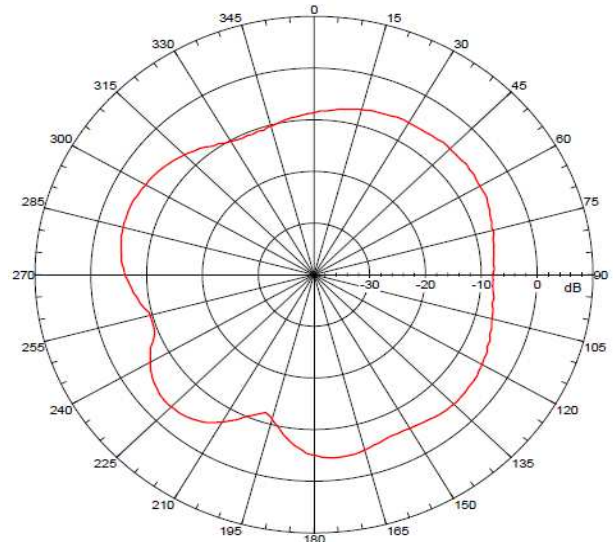
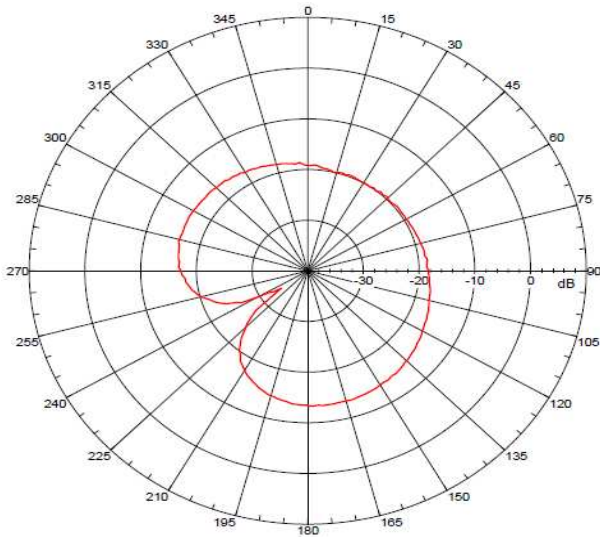
Log Magnitude



E-Plane Far-field amplitude of 1208-3.nsi



H-Plane
Far-field amplitude of 1208-2.nsi



Ordering Details

Part Number	Description
OSCAR20/X/SMAM/S/S/15	4G/3G Antenna, SMA Female Connector
OSCAR20/5/SMAM/S/S/16	4G/3G Antenna, 5m Cable, SMA Male Connector