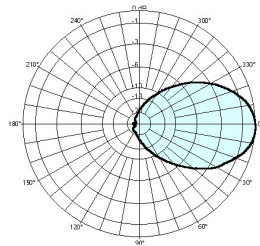


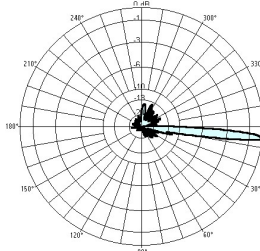
5187300



Horizontal Plane



Vertical Plane



65° SECTOR ANTENNA 18.5 dBi -1900 - 2170 MHz
Electrical Tilt Range 0° to 10°

51873xx series is a 65° sector UMTS antenna with integrated uplink amplifier (MHA) housed in the radome shroud. The unit has (built-in) remote electrical tilt capability whilst still possible to use the manual electrical tilt adjustment (MET)
Uplink amplifier: band-selective, tuneable to operator's UTRAN
RET control: AISG v1.1 compliant

Type	5187
Product Code	5187300
Frequency Range (MHz)	Uplink:15MHz tunable in 1920-1980MHz Downlink: Full Band 2110-2170MHz
Nominal Impedance (Ohms)	50
VSWR	< 1.4 : 1 (amplifier on)
Polarisation	Dual linear slanted +/- 45°
Gain (dBi)	18.5 dBi Downlink 17.8 dBi Uplink Amplifier Uplink Gain: 12 dB (+/-0.3) Ampl. Noise Figure: 1.2 dB typ, 1.6dB 65°
Horizontal Beamwidth (-3 dB)	65°
Vertical Beamwidth (-3 dB)	6°
Electrical down tilt	0° to 10° continuously ajustable via remote control (see note at the bottom)
Upper side-lobe rejection	Better than 18 dB
Null fill	Better than 18 dB first null below main beam
Front to back Ratio (dB)	> 30
Isolation between ports	> 30
Maximum Power (Watts)	160 per Port
Access port	Two 7/16 DIN female connectors " Long Neck "
Intermodulation	- 153 dBc 3rd order for 2 x 20 W carriers
Dimensions mm	Height: 1710 Width: 207 Depth: 170
Materials	Shroud: Styrosun, Grey RAL 7035 Housing: Aluminium
Weight (kg)	17 (With MHA, Exc. Brackets)
Tube clamp weight (kg)	2,55
Wind speed	160 km/h
Windloading at 150 km/h (N)	350

Installation: On pipe of 48 to 115 mm in diameter by the mean of the pair of clamps 0900390/01. An additional accessory adds mechanical down tilt or up tilt capability with continuous adjustment from 0° to 14°.

Note: The electrical tilt remote control unit fits totally inside the antenna and do not add any additional length at the bottom of the antenna. The remote controlled antenna still has the manual control capability and a visible tilt angle indicator.