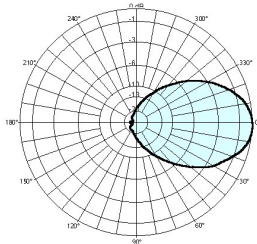


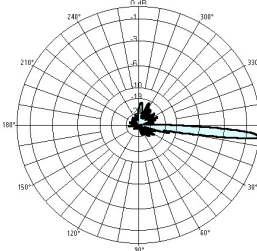
5157300



Horizontal Plane



Vertical Plane



65° SECTOR ANTENNA 18,5 dBi " 2 in 1 " WB-UMTS with integrated MHA. Electrical Tilt Range 0° to 10°

51573xx series is a 65° "2 in 1" WB-UMTS antenna with integrated uplink amplifier (MHA) on one array, 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. AISG v1.1 compliant

Type	5157
Product Code	5157300
Frequency Range (MHz)	Left array:1710 to 2170MHz Right array Uplink: 15MHz tunable in 1920-1980MHz Right array Downlink: Full Band
Nominal Impedance (Ohms)	50
VSWR	< 1.4 : 1
Polarisation	Dual linear slanted +/- 45°
Gain (dBi)	18,5 dBi Downlink 17.8 dBi Uplink Amplifier Uplink Gain (12dB (+/-0.3) Ampl. Noise Figure: 1.2 dB typ, 1.6dB
Horizontal Beamwidth (-3 dB)	65°
Vertical Beamwidth (-3 dB)	6°
Electrical down tilt	0° to 10° continuously ajustable on each antenna 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 (dB)	> 30
Maximum Power (Watts)	160 per Port
Access port	Four 7/16 DIN female connectors " Long Neck "
Intermodulation	- 153 dBc 3rd order for 2 x 20 W carriers
Dimensions (mm)	Height: 1706 Width: 339 Depth: 155
Materials	Shroud: Outdoor plastic Housing: Aluminium
Weight (kg)	24 (With MHA, Exc. Brackets)
Tube clamp weight (kg)	2,55
Wind speed	160 km/h
Windloading at 160 km/h (N)	785

Installation: On pipe of 48 to 115 mm in diameter by the mean of the pair of clamps 0900181/00. 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.