

MC0114678

LTE-MIMO + GPS Bahnantenne

2x 698-960 / 1700-6000 MHz

GSM/UMTS/WLAN/LTE/GPS



Electrical Data:

Frequency:	2x 698-960 MHz	
	1700-6000 MHz	
Typical VSWR	< 2.5:1	
Peak Gain:	698-960/1710-2700:	6 dBi
	4900-6000:	10 dBi
Polarization:	vertical	
Impedance:	50 Ω	
Pattern:	Omni-directional	
Max. input power:	60W	



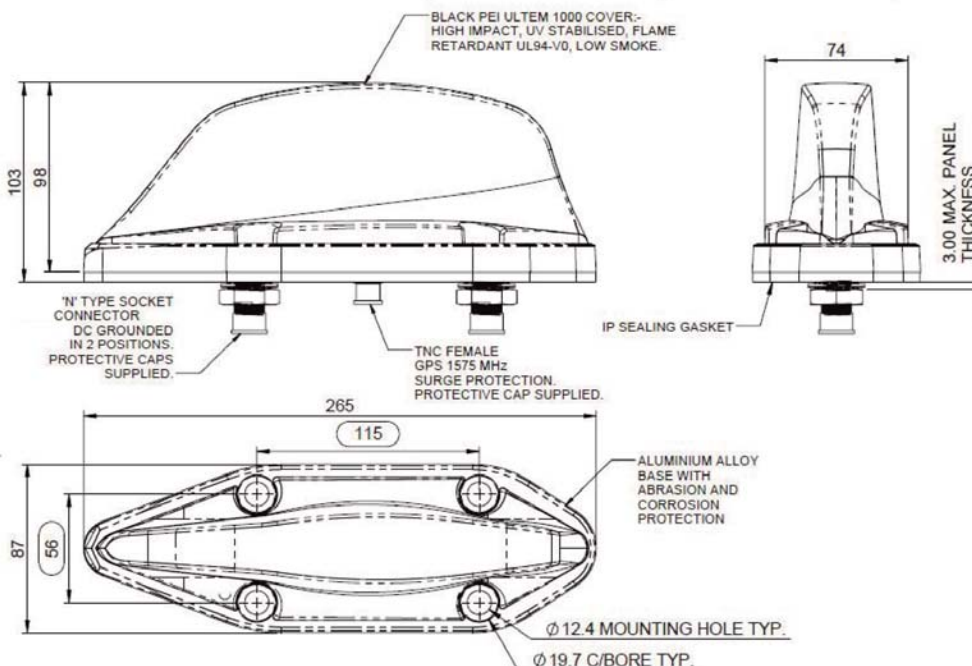
GPS Data:

Frequency:	1560-1612 MHz
Impedance:	50 Ω
LNA Gain:	26 db ± 3
Polarization:	Right hand circular
Operating voltage:	3-5V DC
Current (typ.):	15mA

Mechanical Data:

Dimensions:	High 98mm, Width 87mm, Length 265mm
Connectors:	2x N (female), 1x TNC (female)
Mounting:	Fixing with 4 mounting holes to suit M12 bolt
Operating temperature:	-40°C - +80°C

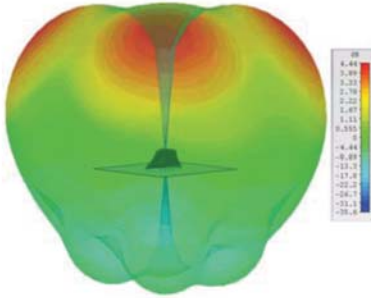
Approvals: EN 50155, IEC 61373, EN 45545-2, EN 50121 (2014/30/EU), 2002/95/EC



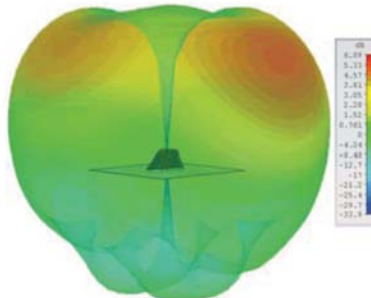
MC0114678 LTE-MIMO + GPS Bahnantenne

Radio Pattern:

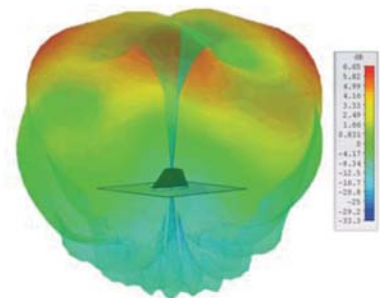
Typical 3D Pattern - 700MHz



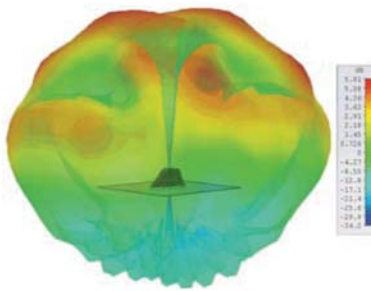
Typical 3D Pattern - 900MHz



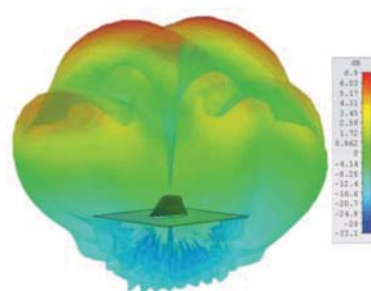
Typical 3D Pattern - 1800MHz



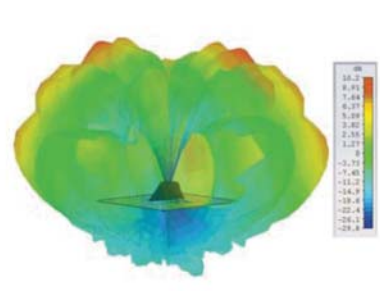
Typical 3D Pattern 2100MHz



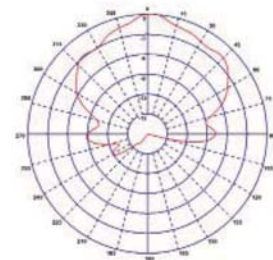
Typical 3D Pattern 2500MHz



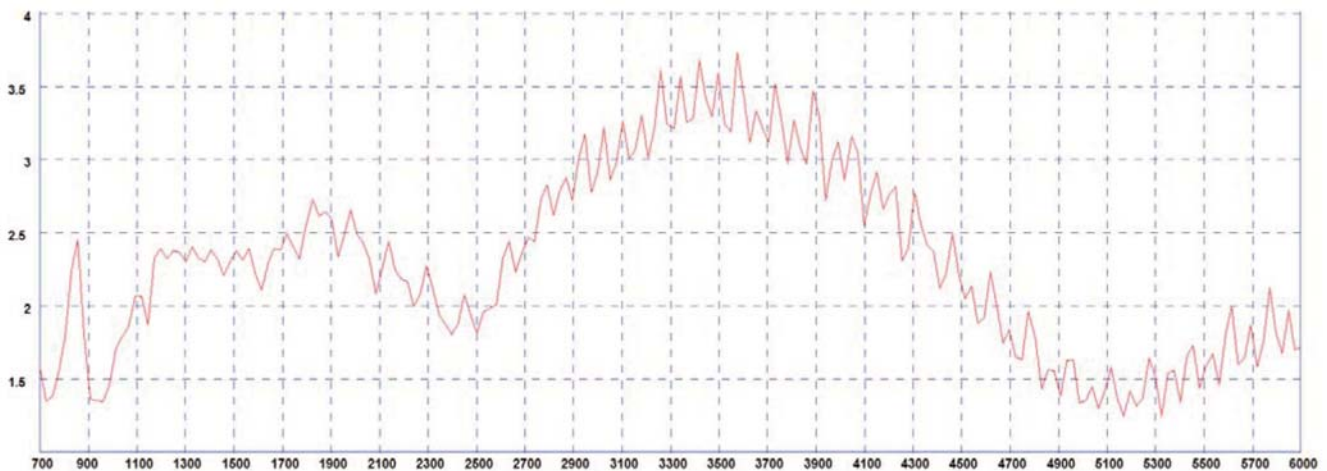
Typical 3D Pattern 5500MHz



Typical E-Plane Pattern - (GPS) 1575MHz



VSWR:



* Measured on a 600 x 600mm (2' x 2') ground plane with 1m (3') of low loss cable