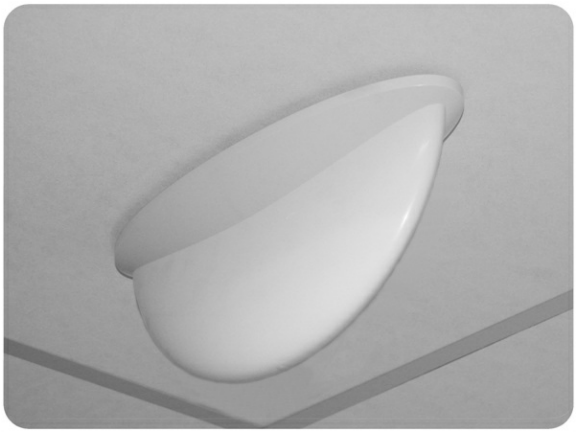
Ultra Wideband Omnidirectional Antenna capable of supporting TETRA, GSM, DCS, PCS, UMTS, WiFi 2.4 an

DESCRIPTION

- Ground plane independent indoor DAS antenna .
- Omnidirectional coverage for the 380 - 6000 MHz band.
- Installation from abowe or below the ceiling.
- Provided with external coaxial cable with N-female connector.
- No need for external ground plane.
- Two installation options.



ORDERING

Type	Product No.
UWB-I 380-6000	100000545

SPECIFICATIONS

Electrical	
Model	UWB-I 380-6000
Frequency	380 - 6000 MHz
Antenna Type	Low profile multiband
Max. Input Power	50 W
Polarisation	Vertical
Pattern Type	Omnidirectional
Impedance	50 Ω
Gain	-2.2dBd / 0dBi
VSWR	< 2.0:1
Passive Intermodulation	< -140 dBc (2 x 37dBm)

Mechanical	
Connection(s)	N(f)
Materials	Radome: Lexan Flame retardent: UL 94 HB recognized Chasis : Aluminium
Cable	RG400 (length : 400 mm)
Colour	White (RAL 9003)
Dimensions	107 / 325 mm
Height	146 mm / 5.75 in.
Weight	0.65 kg / 1.43 lb

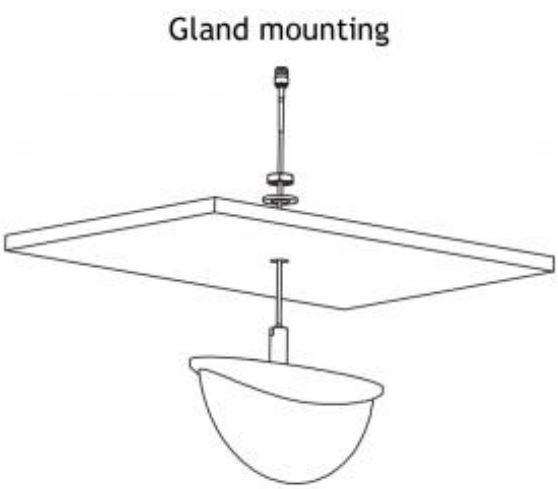
Environmental	
Operating Temperature Range	-30°C to +70°C

ADDITIONAL DATA

INSTALLATION - METHOD A (GLAND INSTALLATION)

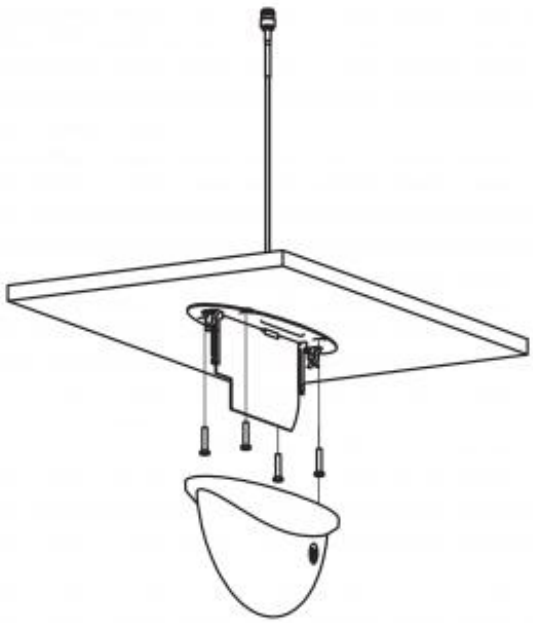
(Ceiling thickness 3-44 mm)

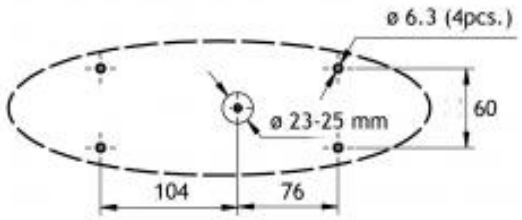
- Screw the gland unit on to the bottom.
- Drill a hole in the ceiling (ø23 - 25mm).
- Pull the cable through the hole.
- Mount the antenna with the nut and the washer



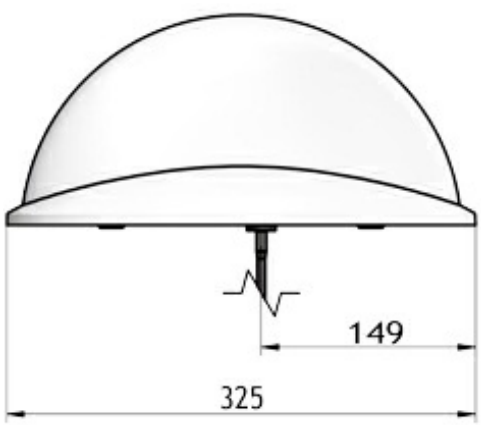
INSTALLATION - METHOD B

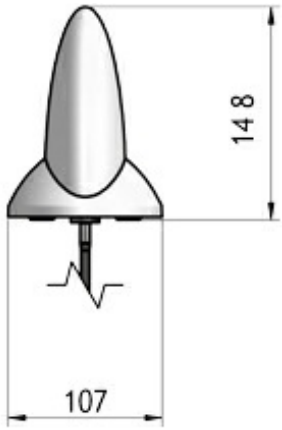
- Separate the radome part (white plastic) from the base part by pulling the 2 parts from each other.
- Drill 5 holes in the ceiling. 4 pcs. ø6.3 mm and 1 pcs. ø 23 - 25 mm.
- Pull the cable through the ø23 mm hole.
- Mount the base part to the ceiling with 4 screws (e.g. M6 screws) Screw height max 5 mm.
- Snap the radome part to the base part



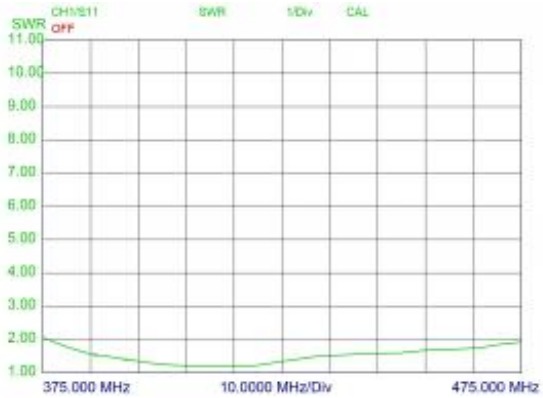


ANTENNA DIMENSIONS

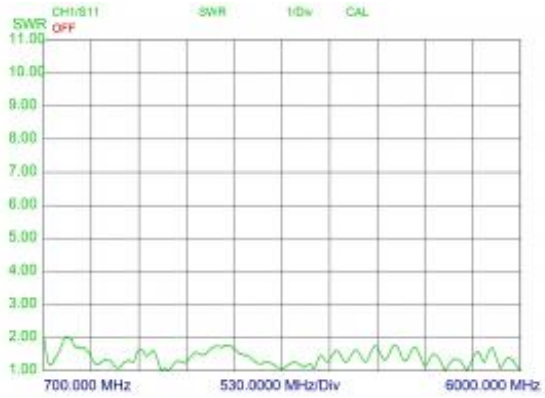




TYPICAL SWR CURVE (375-475 MHZ)

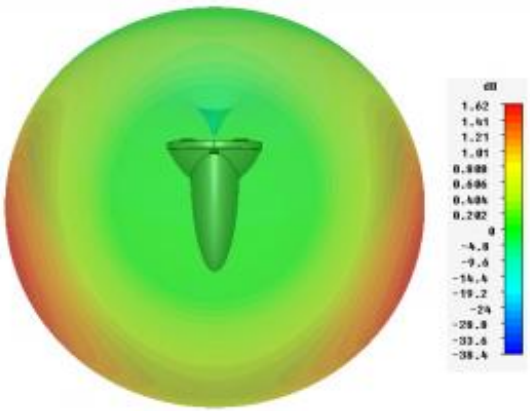


TYPICAL SWR CURVE (700-6000 MHZ)



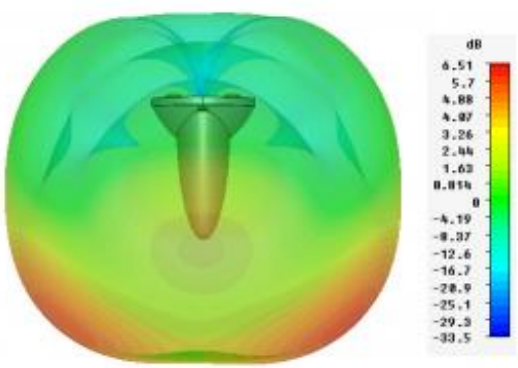
3D GAIN PLOT

TETRA 380 MHz



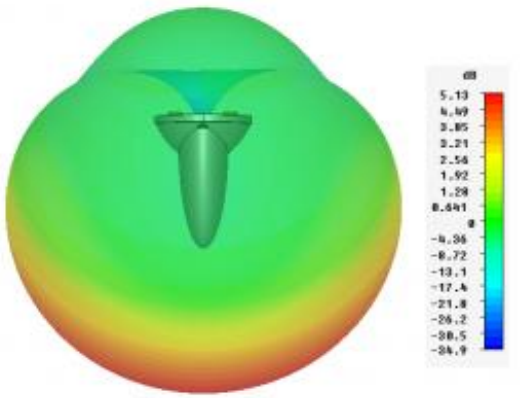
3D GAIN PLOT

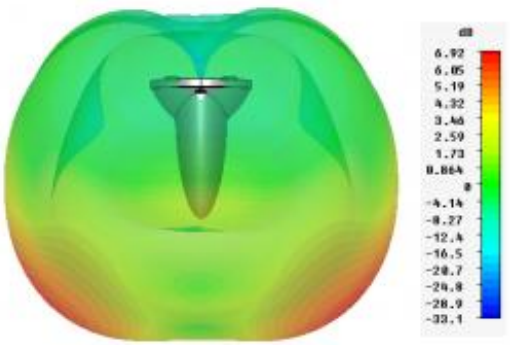
UMTS 2100 MHz



WIFI 2400 MHz

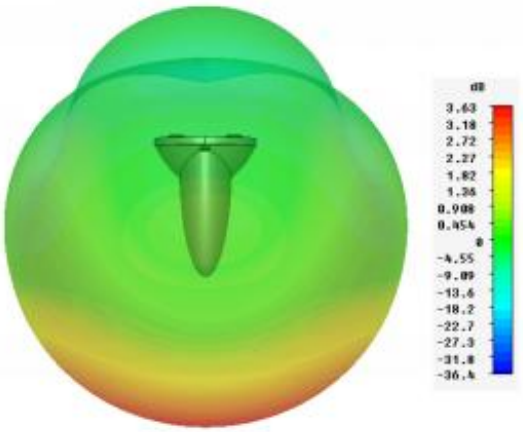
LTE 750 MHz

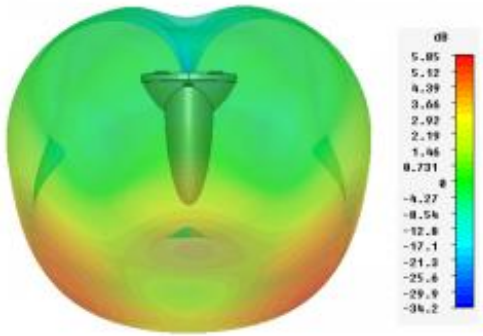




LTE 2600 MHz

GSM 900 MHz





WIMAX 5500 MHz

GSM 1850 MHz