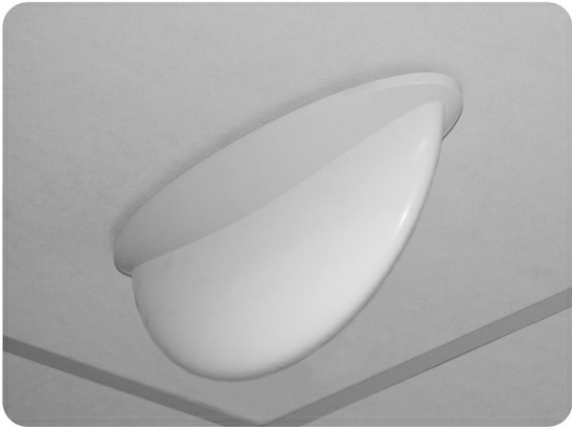


Ultra Wideband Omnidirectional Antenna capable of supporting TETRA, GSM, DCS, PCS, UMTS, WiFi 2.4 an

DESCRIPTION

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



ORDERING

| Model          | 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<br>Flame retardent: UL 94 HB recognized<br>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)

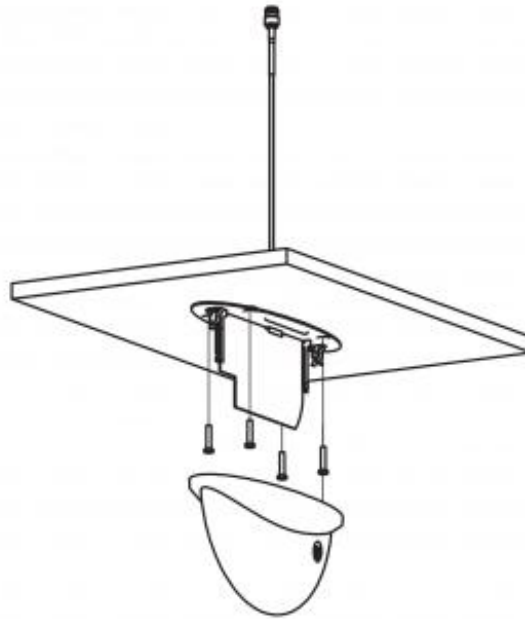
(Ceiling thickness 3-44 mm)

- 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

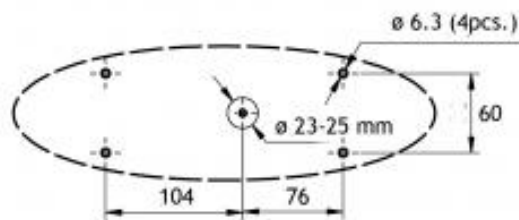
## INSTALLATION - METHOD B

- 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

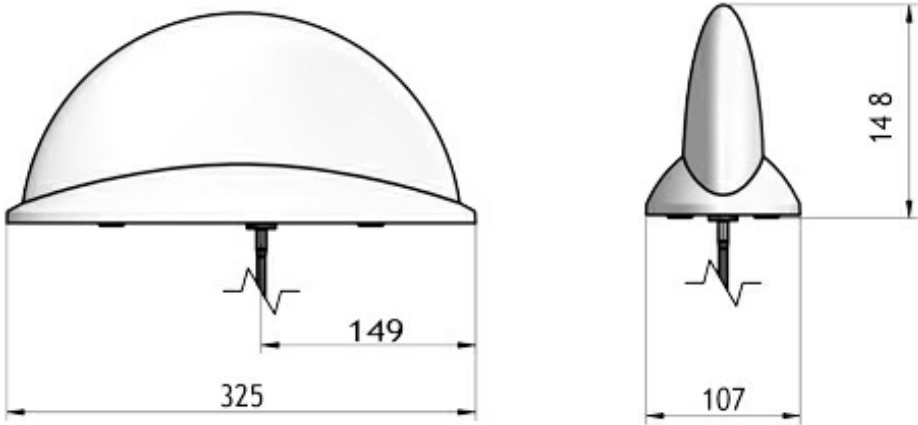
Gland mounting



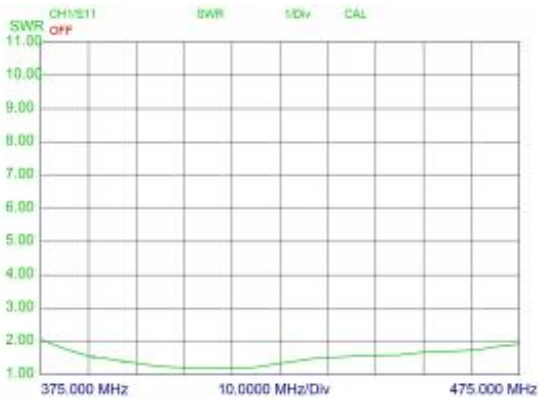
□



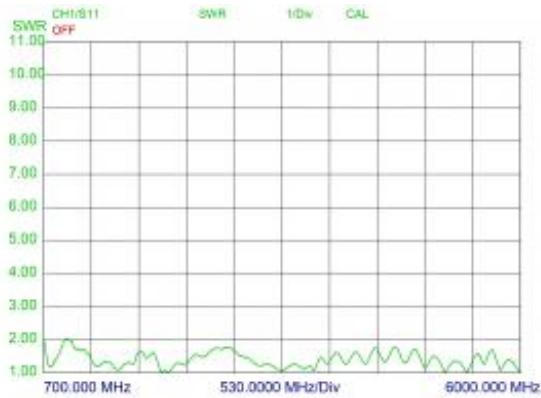
## ANTENNA DIMENSIONS



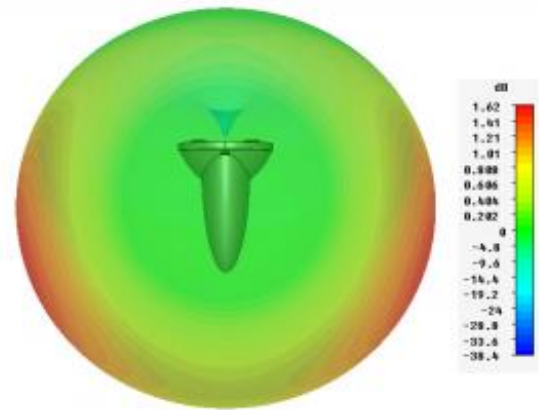
TYPICAL SWR CURVE (375-475 MHz)



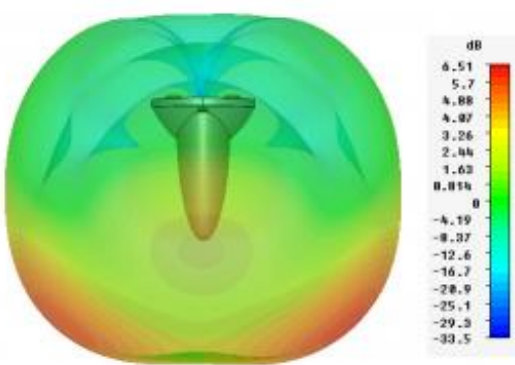
TYPICAL SWR CURVE (700-6000 MHz)



3D GAIN PLOT  
TETRA 380 MHz

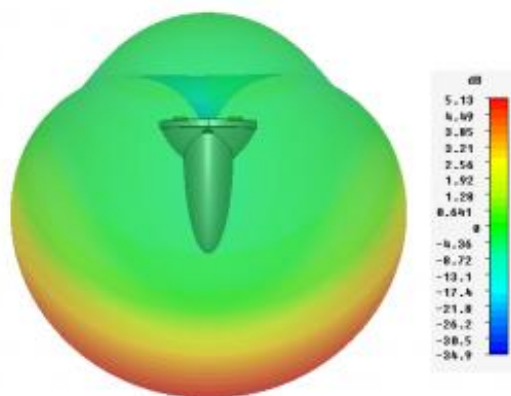


3D GAIN PLOT  
UMTS 2100 MHz

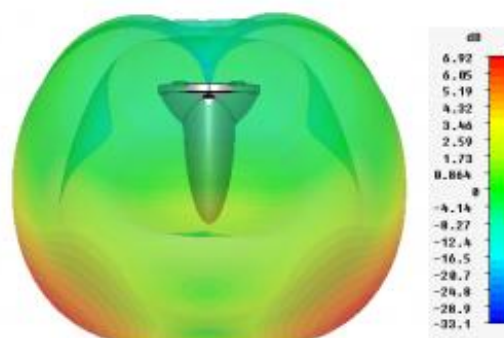


LTE 750 MHz

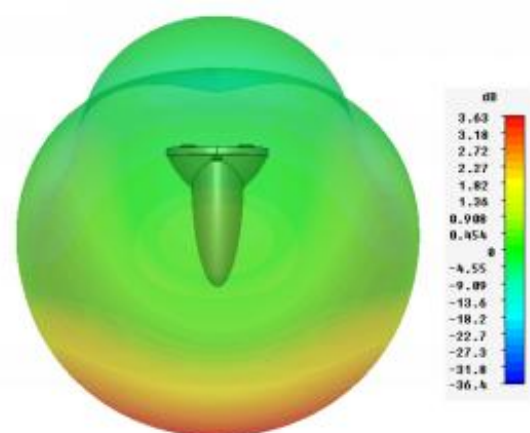
WIFI 2400 MHz



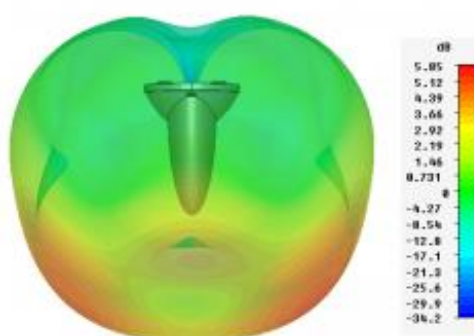
GSM 900 MHz



LTE 2600 MHz



GSM 1850 MHz



WIMAX 5500 MHz

