Ultra Wideband Omnidirectional Antenna capable of supporting TETRA, GSM, DCS, PCS, UMTS, WiFi 2.4 and 5.6 GHz, 4G LTE, and WiMax

BESCHREIBUNG

- 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.

SPEZIFIKATIONEN

Elektrisch DE	
Modelll	UWB-I 380-6000
Frequenz	380 - 6000 MHz
Antennentyp	Low profile multiband
Max. Eingangsleistung	50 W
Polarisation	Vertikal
Muster-Art	Omnidirektional
Impedanz	50 Ω
Gewinn	-2.2dBd / 0dBi
VSWR	< 2.0:1
Passive Intermodulation	< -140 dBc (2 x 37 dBm)

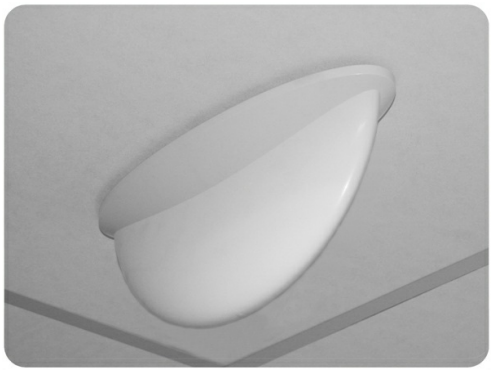
Mechanisch DE	
Anschlusstyp	N(f)
Materialien	Radome : Lexan Flame retardent : UL 94 HB recognized Chasis : Aluminium
Kabel	RG400 (length : 400 mm)
Farbe	White (RAL 9003)
Abmessungen	107 / 325 mm
Höhe	ca. 146 mm
Gewicht	ca. 0.65 kg

Umwelt	
Betriebstemperaturbereich	-30 °C to +70 °C

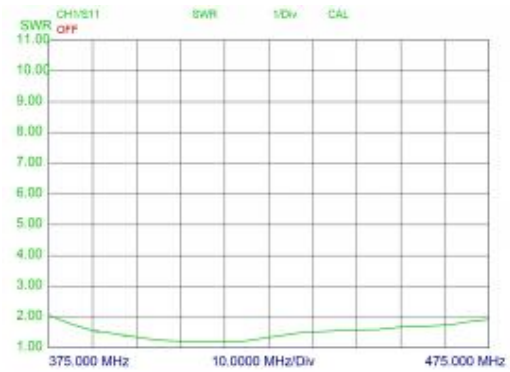
BESTELLUNG

Modell	Produkt Nr
UWB-I 380-6000	100000545

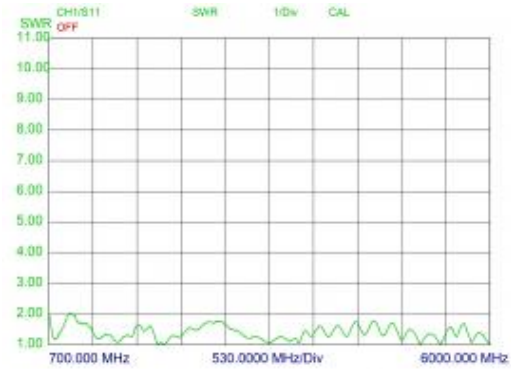
CEILING MOUNTED



TYPICAL VSWR CURVE (375 - 475 MHZ)



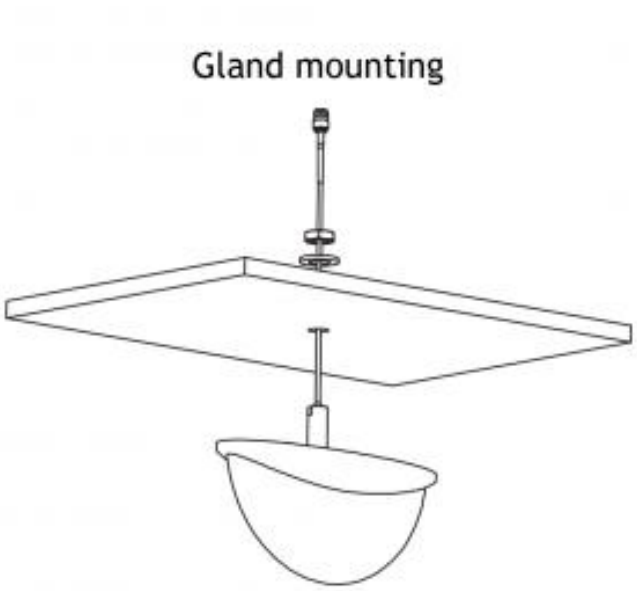
TYPICAL VSWR CURVE (700 - 6000 MHZ)

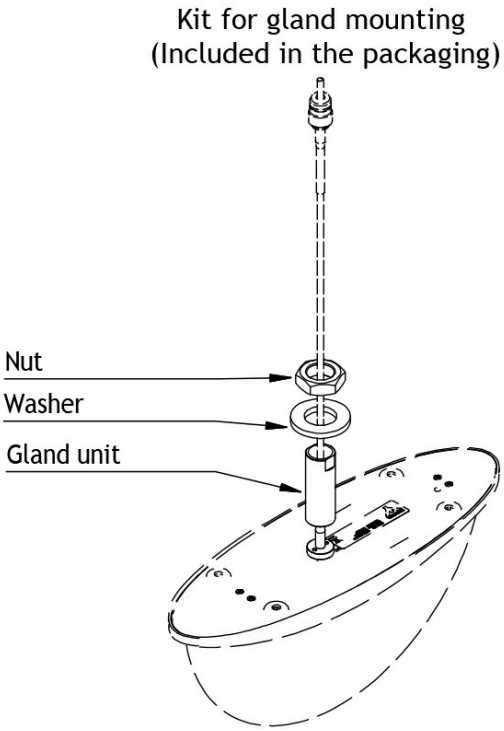


INSTALLATION - METHOD A (GLAND INSTALLATION)

(Ceiling thickness 3 - 44 mm)

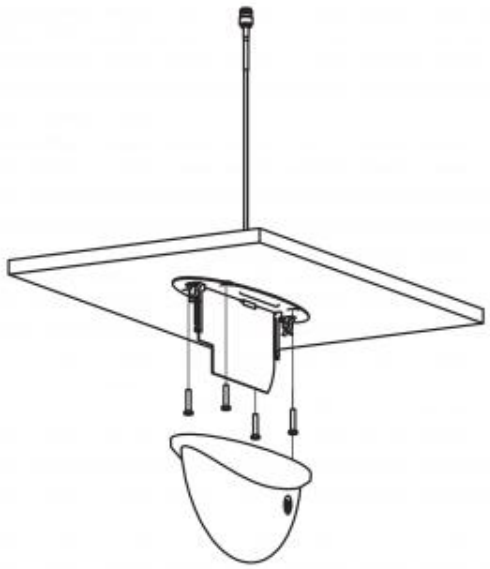
- Screw the gland unit on to the bottom.
- Drill a hole in the ceiling (23 - 25mm dia.).
- Pull the cable through the hole.
- Mount the antenna with the nut and the washer

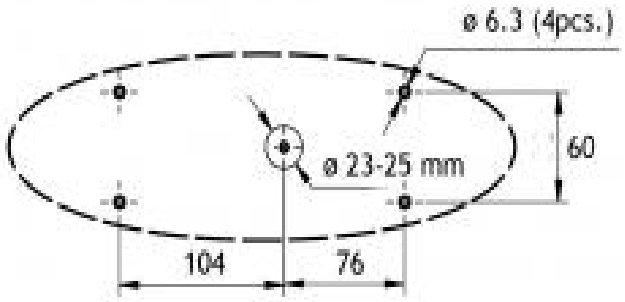




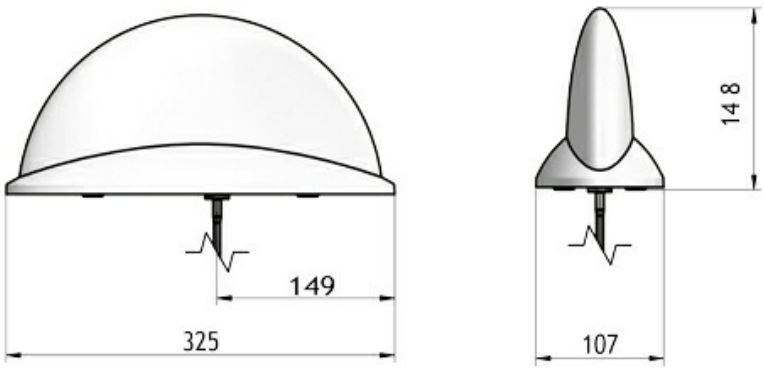
INSTALLATION - METHOD B

- 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. 6.3 mm dia. and 1 pcs. 23 - 25 mm dia.
- Pull the cable through the 23 mm dia. 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





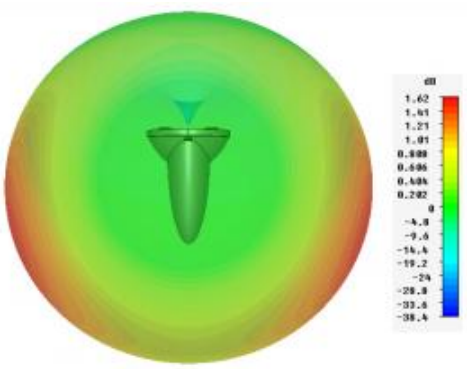
ANTENNA DIMENSION



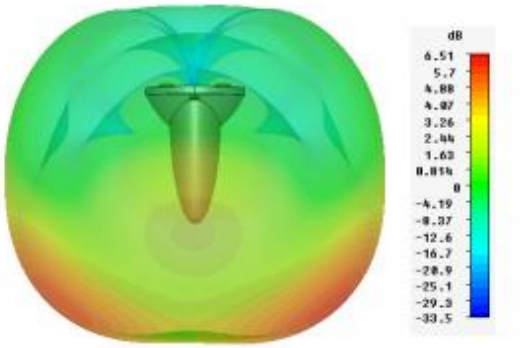
All dimensions are given in mm.

3D GAIN PLOT

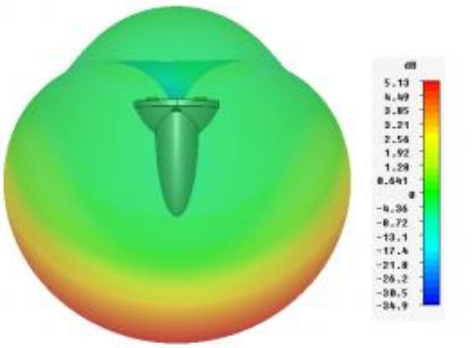
TETRA 380 MHz



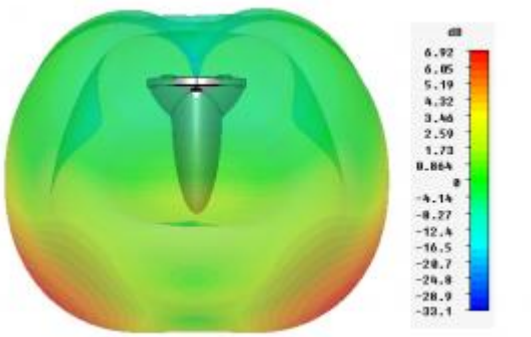
UMTS 2100 MHz



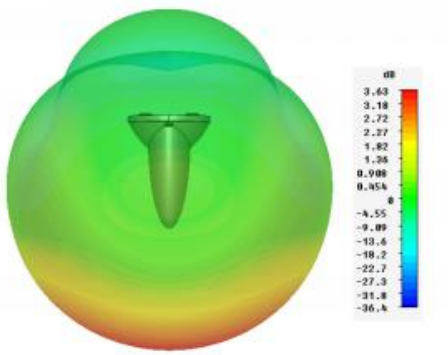
LTE 750 MHz



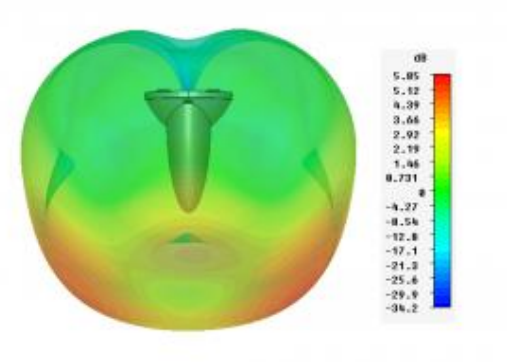
WIFI 2400 MHz



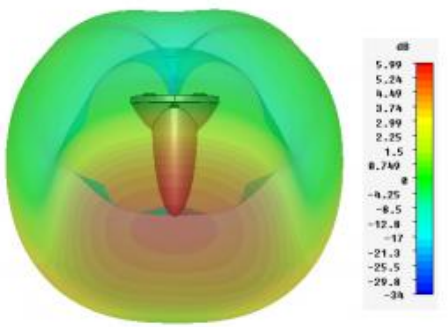
GSM 900 MHz



LTE 2600 MHz



GSM 1850 MHz



WIMAX 5500 MHz