**AMPHENOL PROCOM**

## 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 |
| Polarisation | Vertical |
| Pattern Type | Omnidirectional |
| Impedance | 50 Ω |
| Gain | -2.2dBd / 0dBi |
| VSWR | < 2.0:1 |
| Max. Input Power | 50 W |
| 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.
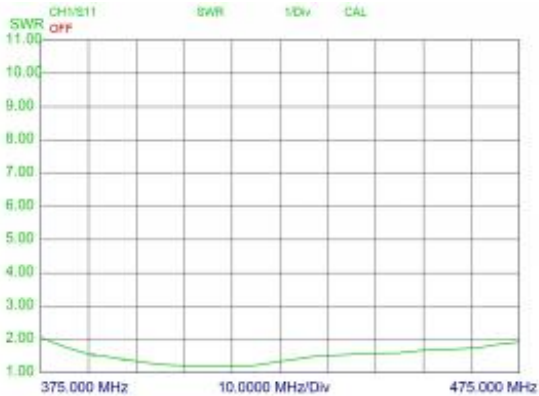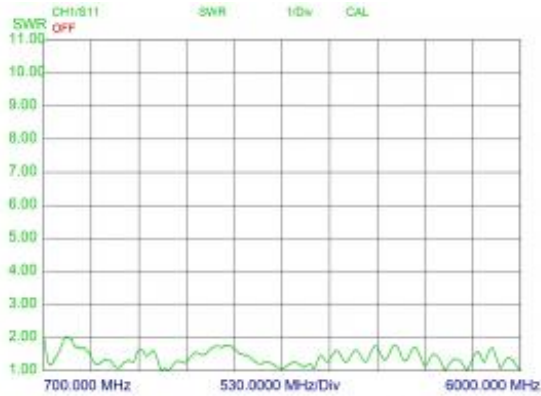› Snap the radome part to the base part

Gland mounting
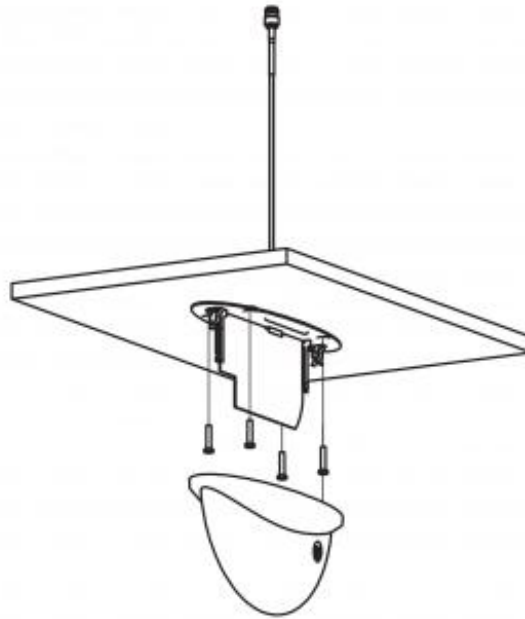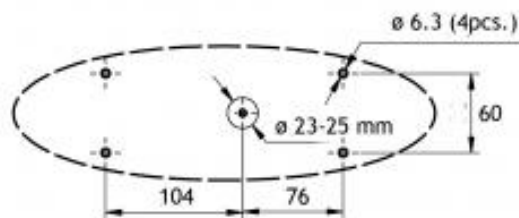
ANTENNA DIMENSIONS
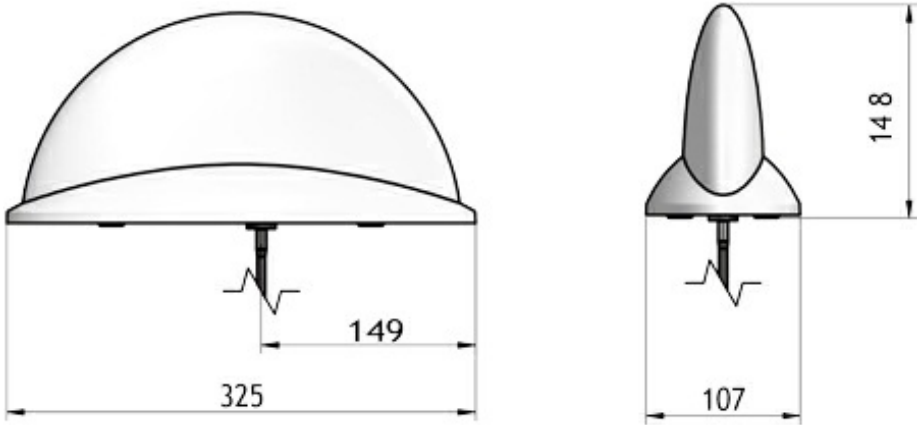
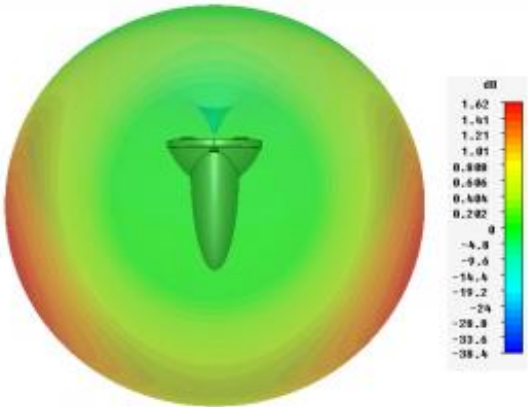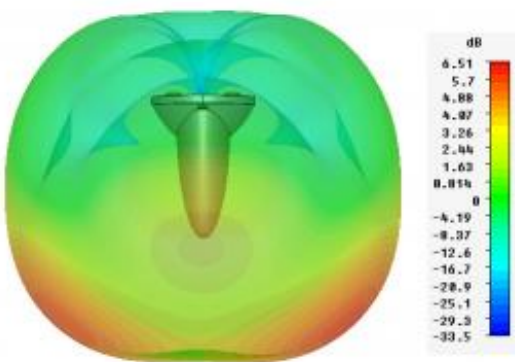## TYPICAL SWR CURVE (375-475 MHZ)



## TYPICAL SWR CURVE (700-6000 MHZ)



## 3D GAIN PLOT
TETRA 380 MHz



LTE 750 MHz

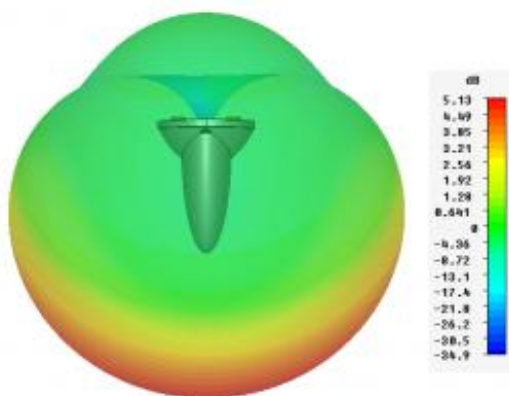## 3D GAIN PLOT
UMTS 2100 MHz
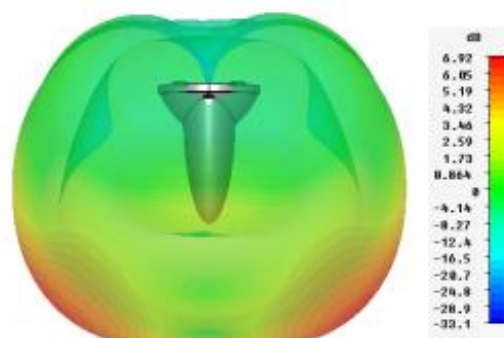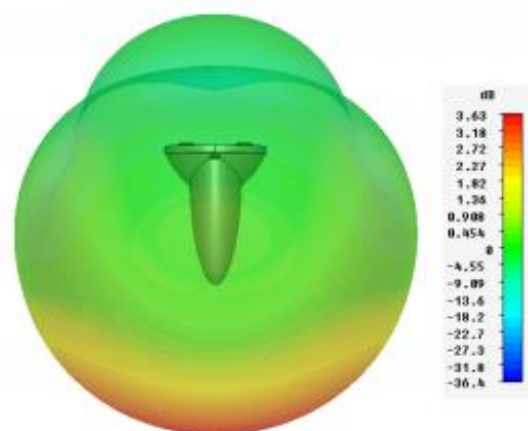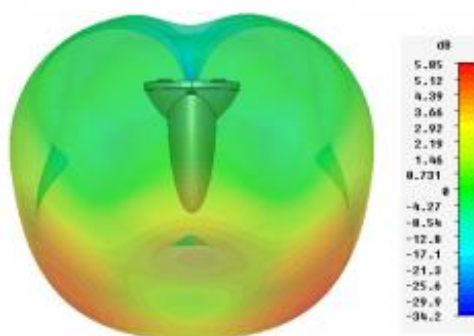


WIFI 2400 MHz

GSM 900 MHz



LTE 2600 MHz



GSM 1850 MHz



WIMAX 5500 MHz