

UWB-I 380-6000

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

- > Ground plane independent indoor DAS antenna .
- > Omnidirectional coverage for the 380 - 6000 MHz band.
- > Installation from above or below the ceiling.

DESCRIPTION

- > Provided with external coaxial cable with N-female connector.
- > No need for external ground plane.
- > Two installation options.



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
UWB-I 380-6000	100000545



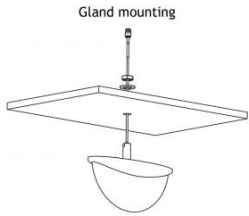
SPECIFICATIONS

ELECTRICAL		
MODEL	UWB-I 380-6000	
ANTENNA TYPE	Low profile multiband	
FREQUENCY	380 - 6000 MHz	
IMPEDANCE	Nom. 50 Ω	
POLARIZATION	Linear (Vertical polarized)	
COVERAGE	Omnidirectional	
GAIN	Approx. 0 dBi	
SWR	TETRA (380-470 MHz)	≤ 2
	4G LTE (698-960 MHz) (2500-2700 MHz)	≤ 2
	GSM (880-960 MHz) (1710-1880 MHz)	≤ 2
	UMTS (1910-2200 MHz)	≤ 2
	WiFi (2400-2500 MHz)	≤ 2
	WiMax (5000-6000 MHz)	≤ 2
MAX. POWER	50 W	
IM3	< - 140 dBc (2 x 37 dBm)	
MECHANICAL		
TEMP. RANGE	-30° C → +70° C	
MATERIALS	Radome: Lexan Flame retardent: UL 94 HB recognized Chasis : Aluminium	
CABLE	RG400 (length : 400 mm)	
COLOUR	White RAL 9003	
CONNECTOR	N-female	
HEIGHT	146 mm (ex. connector)	
WIDTH / DEPTH	107 / 325 mm	
WEIGHT	Approx. 650 g	

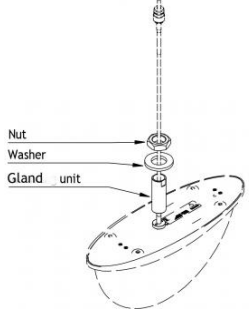
INSTALLATION - METHOD A (GLAND INSTALLATION)

(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

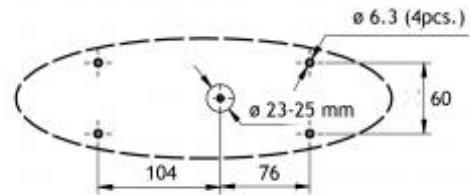
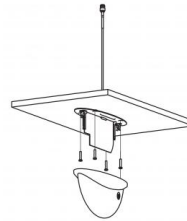


Kit for gland mounting
(Included in the package)

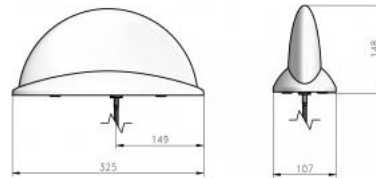


INSTALLATION - METHOD B

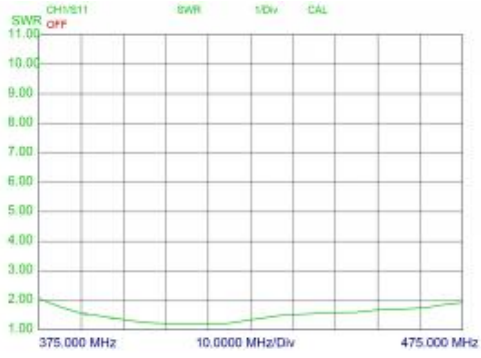
- Separate the radome part (white plastic) from the base part by pulling the 2 parts from each other.
- Drill 5 holes in the ceiling, 4 pcs. ø6.3 mm and 1 pcs. ø 23 - 25 mm.
- Pull the cable through the ø23 mm hole.
- Mount the base part to the ceiling with 4 screws (e.g. M6 screws) Screw height max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



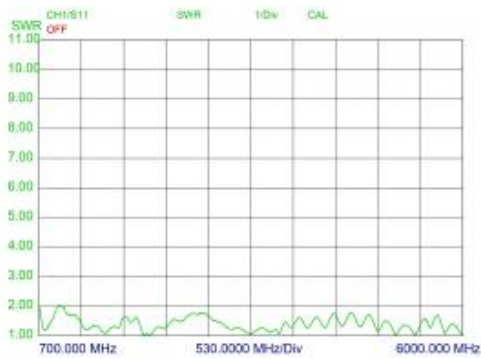
ANTENNA DIMENSIONS



TYPICAL SWR CURVE (375-475 MHZ)

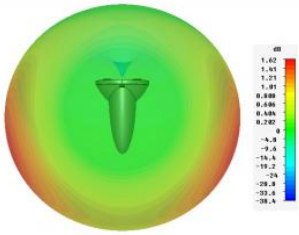


TYPICAL SWR CURVE (700-6000 MHZ)



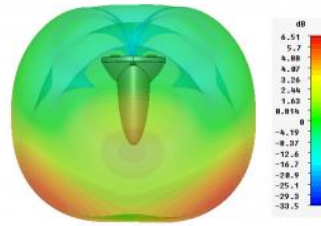
3D GAIN PLOT

TETRA 380 MHz

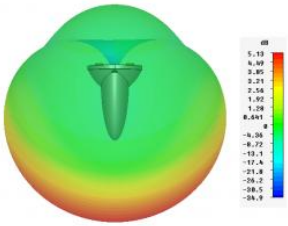


3D GAIN PLOT

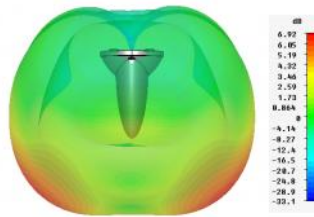
UMTS 2100 MHz



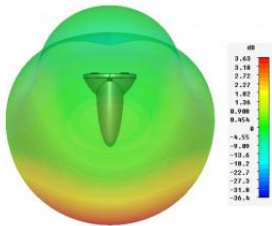
LTE 750 MHz



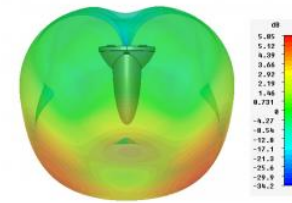
WIFI 2400 MHz



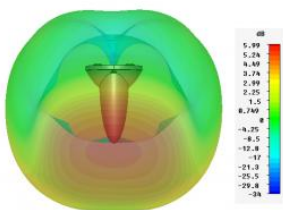
GSM 900 MHz



LTE 2600 MHz



GSM 1850 MHz



WIMAX 5500 MHz

