MINI WHITE STICK ANTENNA
OMNIDIRECTIONAL MULTIBAND

Designed for outdoor applications, it's equipped with a 5mt long cable and a fixing bracket suitable to be mounted even in critical and remote locations.

It covers frequencies between 800 MHz and 1.7-2.7 GHz of different standards as GSM, UMTS, LTE.

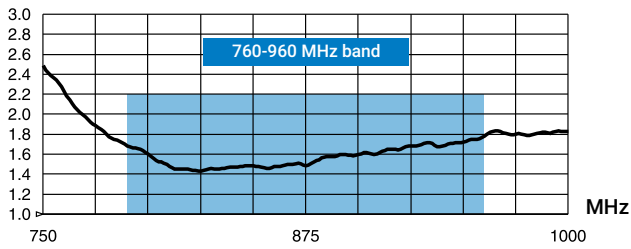It's the ideal solutions for those applications, that require high performance.

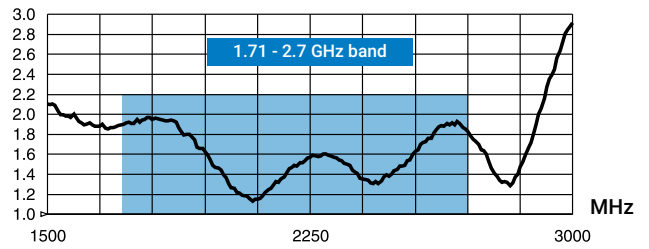| ELECTRICAL DATA	
Type	Collinear dipole array
Frequency range @ SWR ≤ 2.2	790 - 960 MHz (LTE, ISM, GSM 900) 1.71 - 2.7 GHz (GSM 1.8, PCN DECT, UMTS, WLAN, LTE)
Impedance	50 Ω
Radiation (H-plane)	360° omnidirectional
Radiation (E-plane)	Beamwidth @ -3dB (see diagrams)
Radiation angle deg.	(see diagrams)
Polarization	Linear vertical
Gain	2 dBi @ 760 - 960 MHz 4dBi @ 1.71 - 2.7 GHz
Max power (CW) @ 30 °C	50 Watts @ 790 -960 MHz 40 Watts @ 1.71 - 2.7GHz
Cable type	5 m - Low Loss
Connector	SMA male

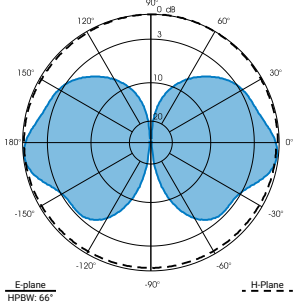| MECHANICAL DATA	
Material	Anodized aluminium Chromed brass Fiberglass
Wind Load / Resistance	14 N @ 150 km/h - 200 km/h
Wind surface	0.011 m²
Height	300 mm
Weight	495 gr
Operating temperature	-30 °C — + 70 °C
Protection	IP 64
Instalation type	Mast : Ø 35-42mm with U-bolt (included) Wall: with screws (not included)

S.W.R. RESPONSE

S.W.R

760-960 MHz band

(graph: S.W.R. vs MHz, axis 750 to 1000, values 1.0–3.0)

S.W.R.

1.71 - 2.7 GHz band

(graph: S.W.R. vs MHz, axis 1500 to 3000, values 1.0–3.0)

E-PLANE

TYPICAL RADIATION PATTERN at 875 MHz
Scale: logarithmic

E-plane
HPBW: 66°
H-Plane

TYPICAL RADIATION PATTERN at 1800 MHz
Scale: logarithmic

E-plane
HPBW: 54°
H-Plane
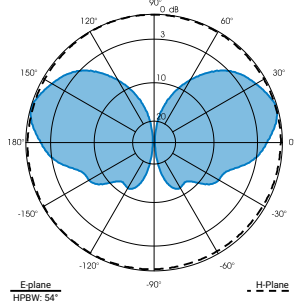
TYPICAL RADIATION PATTERN at 2045 MHz
Scale: logarithmic

E-plane
HPBW: 50°
H-Plane
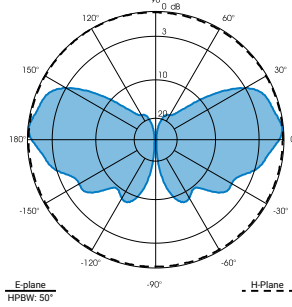
TYPICAL RADIATION PATTERN at 2500 MHz
Scale: logarithmic

E-plane
HPBW: 38°
H-Plane
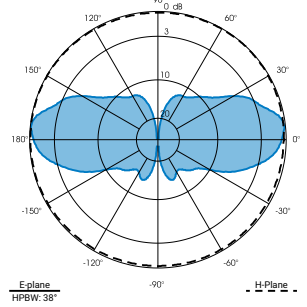
MOUNTING INSTRUCTIONS

MAST MOUNTING

WALL MOUNTING

LOCK WELL

Ø35-42 mm

LOCK WELL
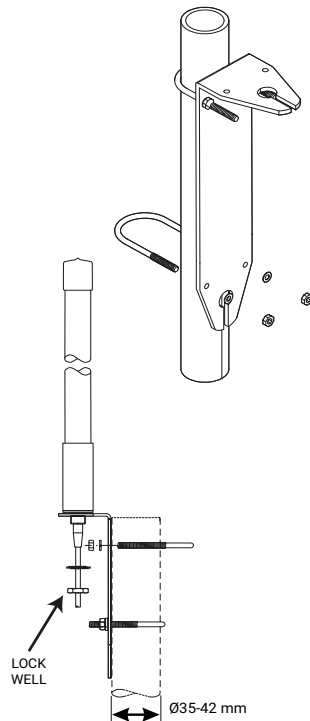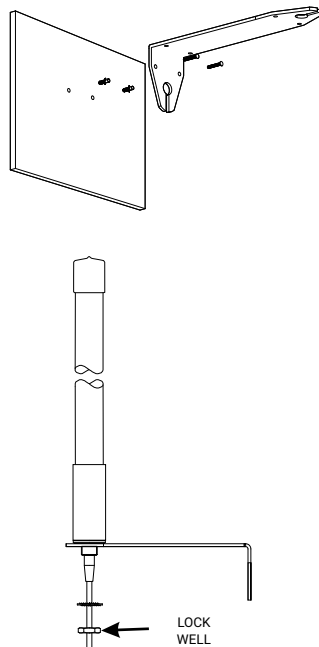
PART LIST	
2	M6 U-bolt
4	M6 exagonal nut
4	M6 flat washer
2	M6 spring lock washer
2	steel bracket "M-3"

CODE	PRODUCT	DESCRIPTION
90.90.035	Mini white stick antenna	Multiband omnidirectional antenna GPRS, GSM, UMTS, LTE

NETHIX
WE CONTROL