

# HIRSCHMANN MOBILITY



# CELLULAR (2G/3G/4G)/ GNSS Adhesive Antenna

**CGN 7026 LP A**

Pt no.

**920-625-001**

- Combination antenna for positioning and data-services
- Terrestrial based transmission and satellite-based positioning
- Embedded high performance LNA with dual feed ceramic patch antenna and phase shift network for optimized cross polarization discrimination(XPD)
- Mounting by adhesive foam pad on metallic and non metallic ground as well as on glass
- Designed for installation in harsh environment

**Some technical optimization with minor effect to the overall performance of this product are still pending. This document will be updated according the finalization of the optimization measures without prior information.**

Subject to alterations

## Technical data

Dimensions	121 mm x 77mm x 37 mm
Weight	ca. 165 g
Temperature range	-40 – +85°C
Protection class	IP6k6 (acc. ISO 20653)
<b>Cellular</b>	
Frequency range	Low: 698 - 960 MHz High: 1710 - 2690 MHz
Impedance	50 Ohm
VSWR	≤ 2,0
Gain	0 dBi <sup>2)</sup>
Load capacity	max. 10 W pulsed acc. GSM standard
Diagnostic resistor	10 kOhm
Cable type	RG 174
Cable length	3000 ±40 mm
Connector	FAKRA, Code D, bordeaux
<b>GNSS</b>	
Frequency range	GPS (L1): 1563 – 1587 MHz Galileo (E1): 1559 – 1591 MHz Beidou (B1C): 1559 – 1591 MHz GLONASS (G1): 1593 – 1610 MHz
Impedance	50 Ohm
VSWR	≤ 2,0
Gain	1 dBic <sup>1)</sup>
Amplification	27 ± 1 dB
Noise figure (50 Ohm)	≤ 2,2 dB
Voltage supply	3,0 – 5,5 VDC (remotely fed)
Current consumption	24 ±1 mA @ 5 V
Cable type	RG 174
Cable length	3000 ±40 mm.
Connector	FAKRA female, Code C, blue

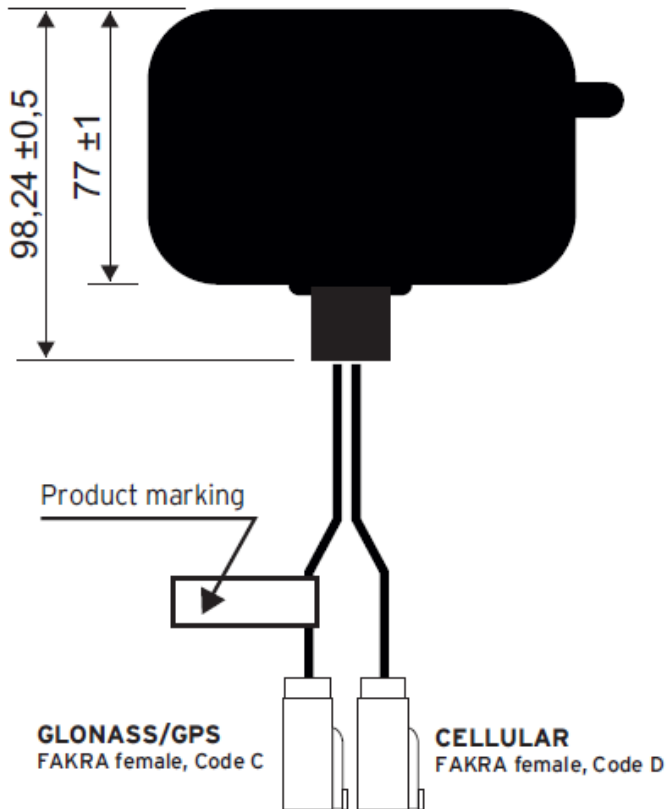
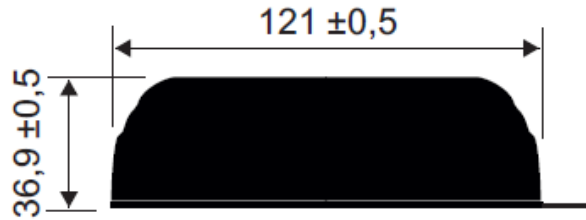
<sup>1)</sup> dBic: referenced to an isotropic radiator, circular polarization

<sup>2)</sup> dBi: referenced to an isotropic radiator

# CELLULAR (2G/3G/4G)/ GNSS ADHESIVE ANTENNA

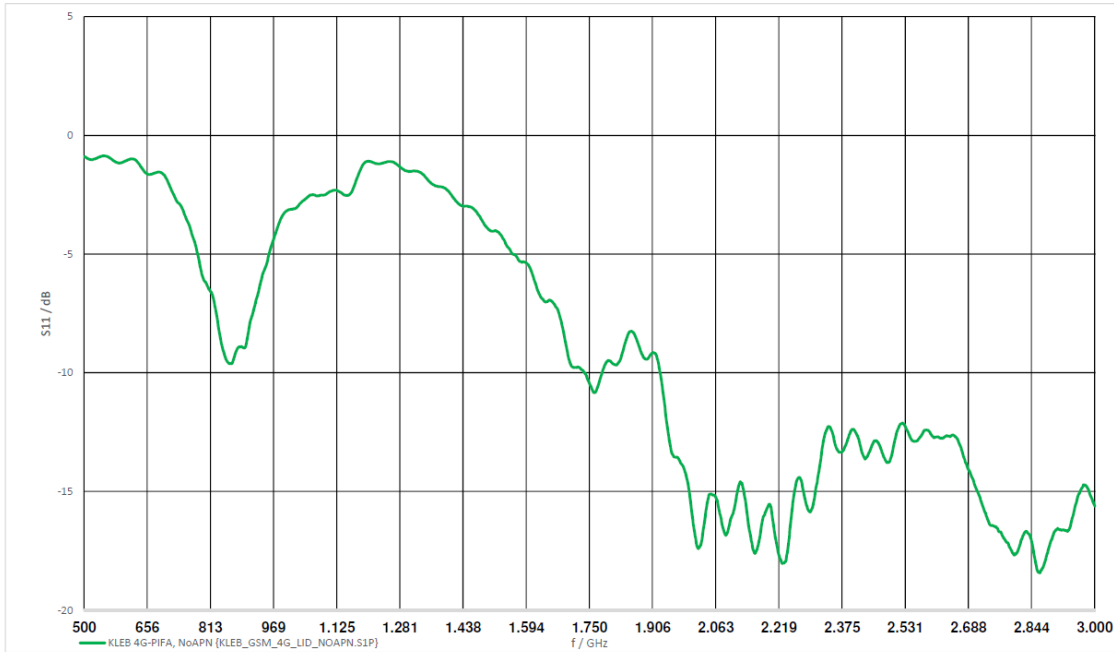
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## Technical drawings

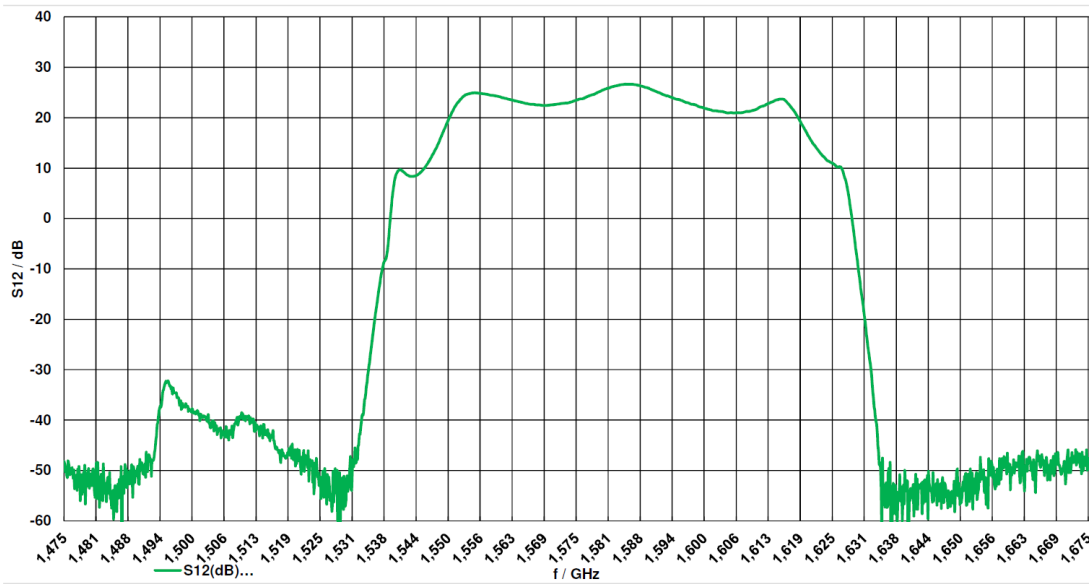


Antenna diagrams

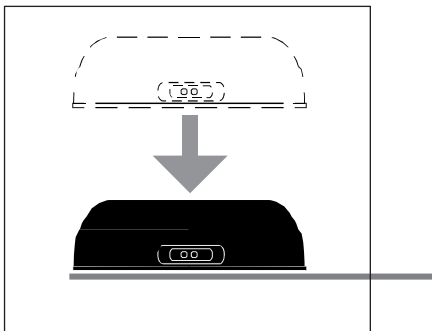
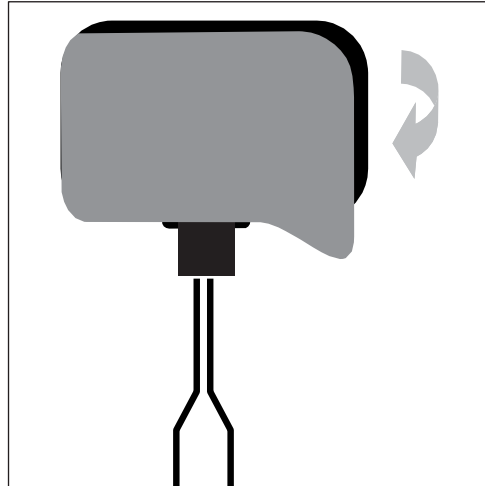
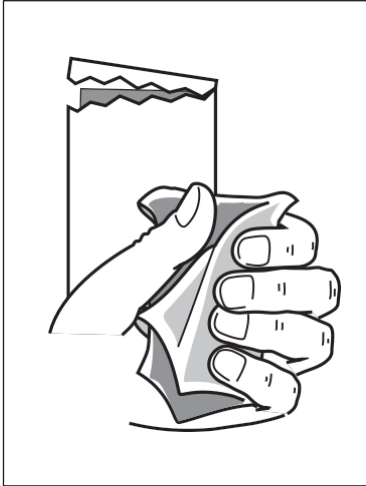
Typ. VSWR ( $S_{11}$ ) CELLULAR bands



Typ. gain ( $S_{12}$ ) GNSS-LNA



**Installation**



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