

### Declaration concerning Antenna Specification

It's hereby declared that the product:

***AP200E NA***

fulfils the requirement in FCC test relating to the antenna type.

The *AP200E NA* conforms to FCC recommendations with external antenna type:

Directional antenna product number : 9600 038 65001

Gain of the antenna: 8 dBi

Frequency range: 1920 - 1930MHz.

See attachment on page 2 and 3 for details

This antenna is dedicated for the above radio module; no other antenna should be used.

Company: *NEC Philips Unified Solutions Nederland B.V.*

Address: *Anton Philipsweg 1*

City: *Hilversum*

ZIP / Postal code: *1223 KZ*

Country: *The Netherlands*

Place: *Hilversum*

Date: 2007-04-26

Signature: J. van Kleef



# PLANAR ANTENNA SET FOR DECT

**9600 038 65001**

## Consists of:

- **8 dBi antenna**
- **2 antenna cables 0.5 meter TNC to SMA**
- **Cable loss  $\geq 1$  dB each cable**



## Electrical Properties

Frequency range 1850 - 1990 MHz

Impedance 50  $\Omega$

VSWR 1.5

Polarization dual linear,  $\pm 45^\circ$  slant

Gain 8.0 dBi

3 dB beamwidth horizontal  $85^\circ$

3 dB beamwidth vertical  $75^\circ$

Downtilt  $0^\circ$

Isolation between ports typ. 30 dB min. 27 dB

Front to back ratio 12 dB

Max. power 75 W (CW) at  $25^\circ\text{C}$

## Mechanical Properties

Dimensions 101 x 95 x 32 mm  
(3.98" x 3.74" x 1.26")

Weight 0.11 kg (0.24 lbs.)

Housing material ASA and aluminium

Radome material ASA

Radome color RAL 7035 (light-grey)

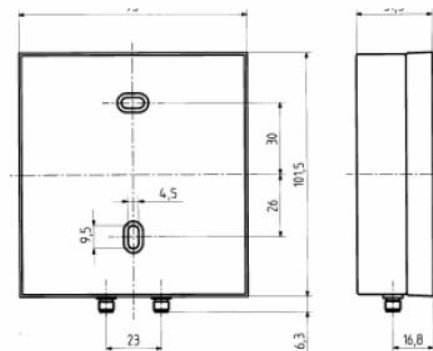
Mounting bracket color RAL 7042 (dark-grey)

Operating temperature range -  $40^\circ\text{C}$  to  $+80^\circ\text{C}$

Storage temperature range -  $40^\circ\text{C}$  to  $+80^\circ\text{C}$

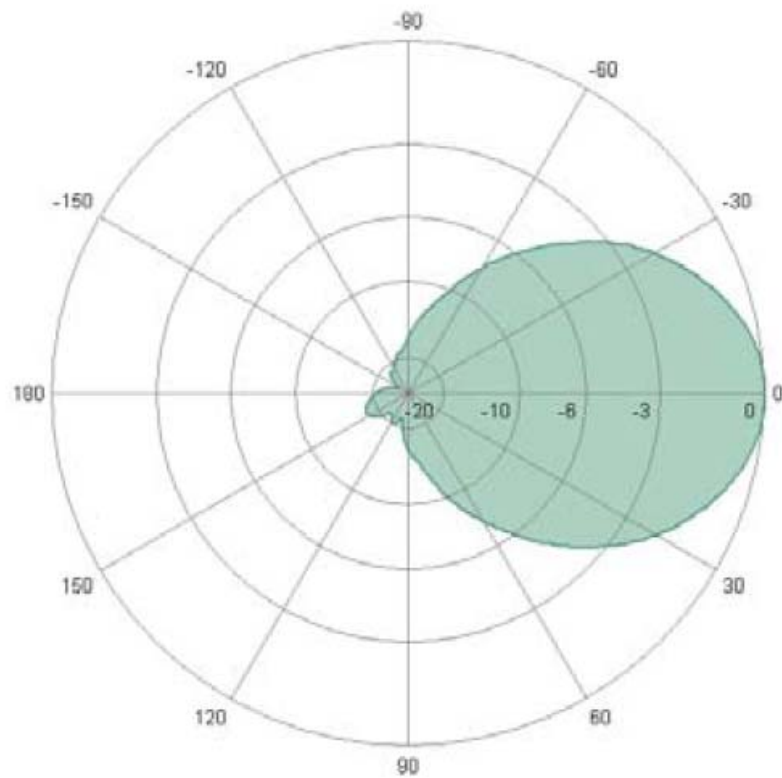
Windload 15 N at 160km/h (100mph)

**Connector** TNC female

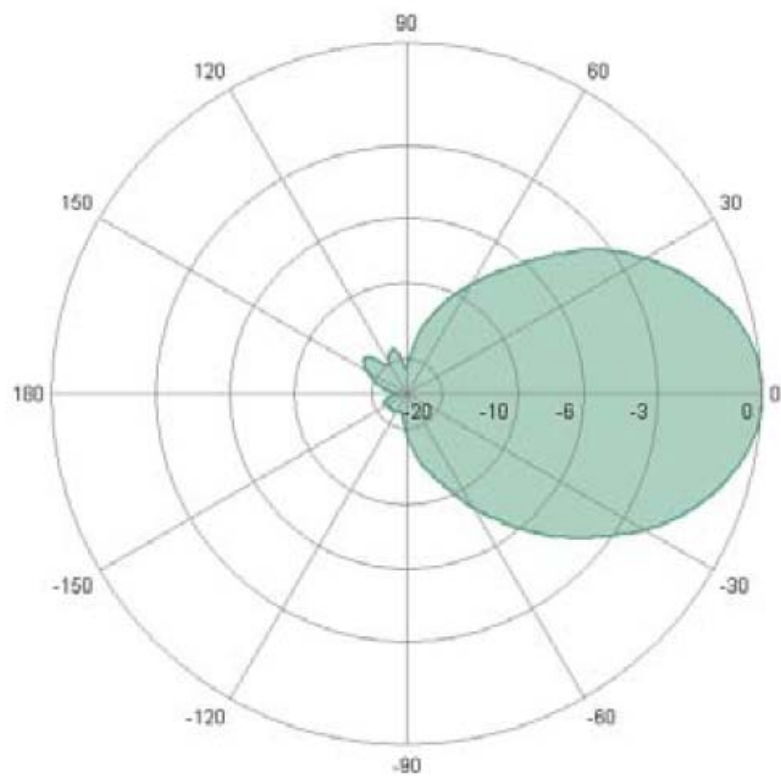


9600 038 65001

## Antenna radiation pattern



horizontal



vertical