

## Planar Combination Antenna Y60ZFW\_WP

WLAN 5300 MHz + GSM 850/900/1800/1900 MHz + UMTS +  
WLAN 2400/5300 MHz

Window Mount



- **Adhesive bonding antenna waterproof IP68, appropriate to mount the antenna outside**
- **No changes and modifications on the body**
- **Including 868 MHz – services and DECT**
- **Our products are RoHS- and REACH-conform**



## Technical Data

### GSM

Frequency Range	850/900/1800/1900 + 2100 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+2 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +1 dBi typ. (2100 MHz)
Power max.	10 W
Diagnostic resistor	10 k $\Omega$ (others on request)

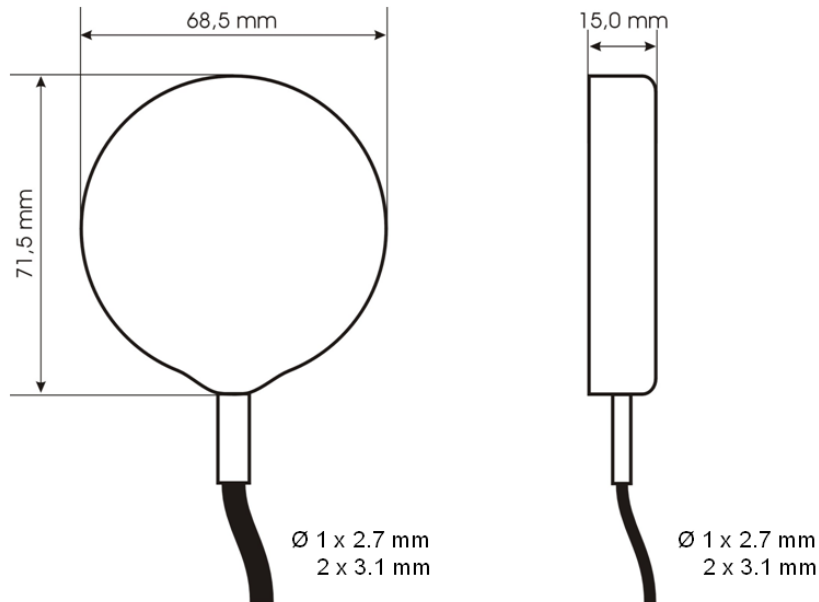
### WLAN

Frequency Range	2400/5300 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+1 dBi typ. (5300 MHz WLAN 3) +4 dBi typ. (2400MHz WLAN 2) +1 dBi typ. (5300MHz WLAN 2)
Power max.	10 W

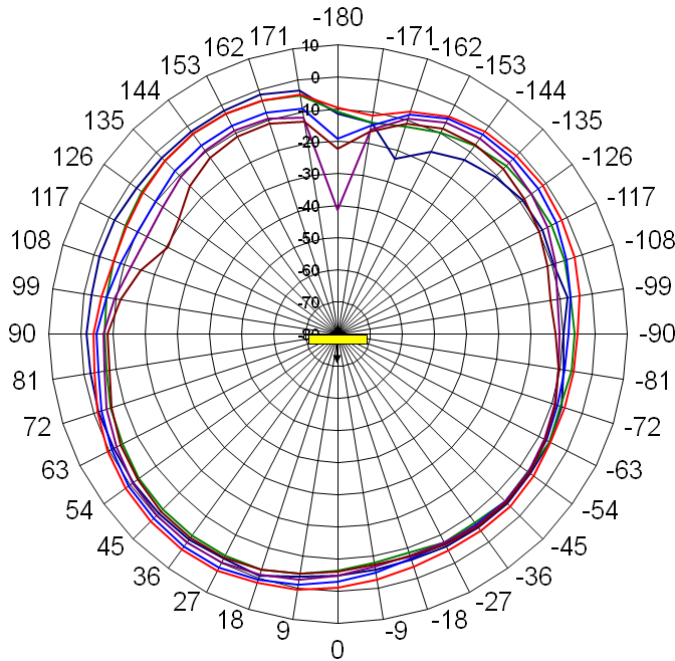
\* Measured with 0.6m cable on 30x30cm glass pane

## Mechanical Data

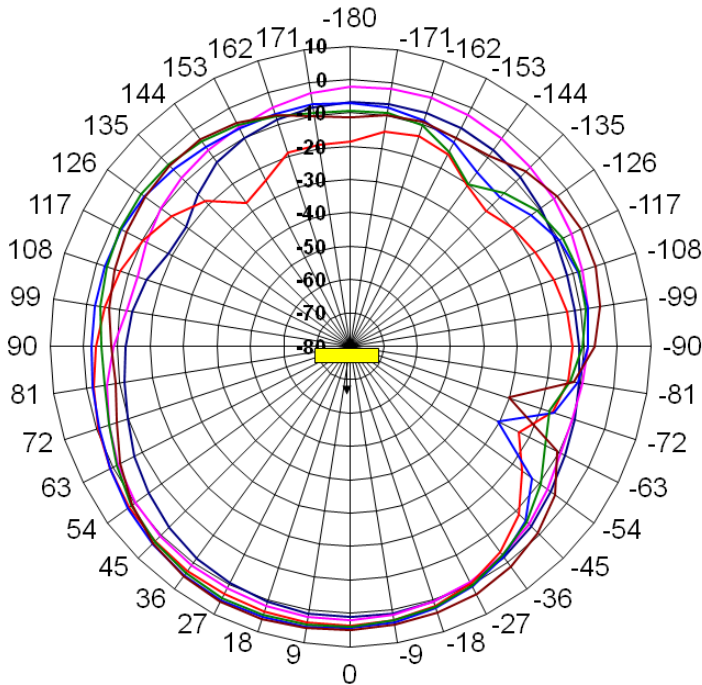
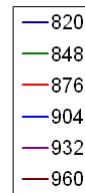
Dimensions (ØxH)	ca. 70 mm x 15 mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	ca. 3m connecting cable RG174 with GSM/FME(f) ca. 3m connecting cable RG174 low loss with WLAN/SMA(m) Other cablelengths and connectors see ordering example and connector list in Internet



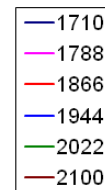
**Radiation diagram (typ.)\***



**GSM 900 MHz**  
Peak Gain: +1 dBi



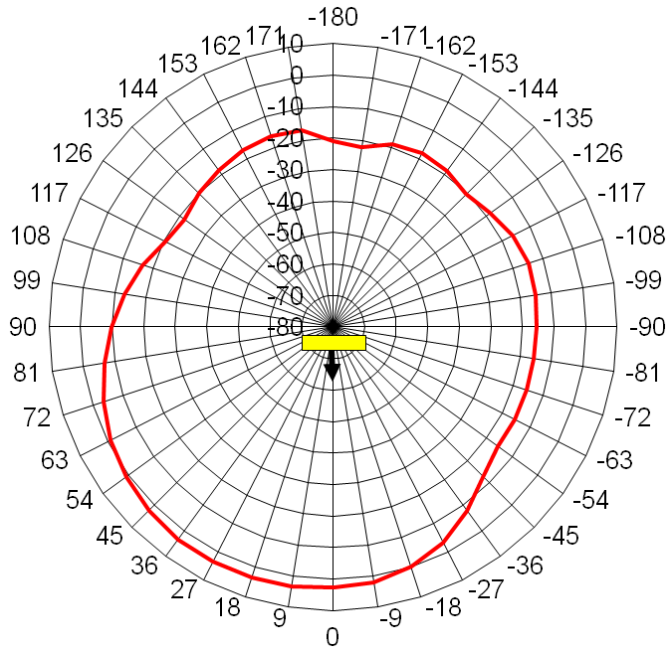
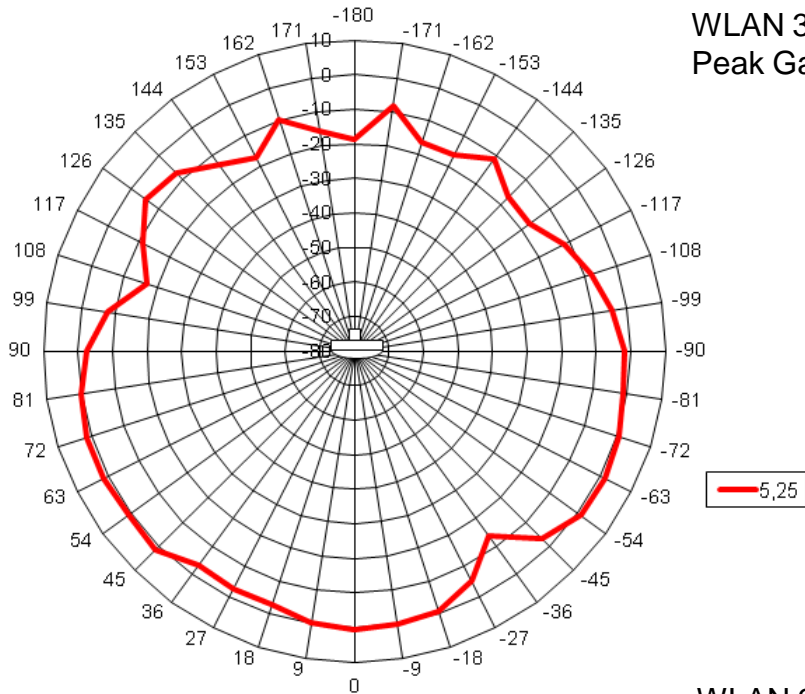
**GSM 1800 MHz**  
Peak Gain: +3 dBi



**GSM 2100 MHz**  
Peak Gain: +4 dBi

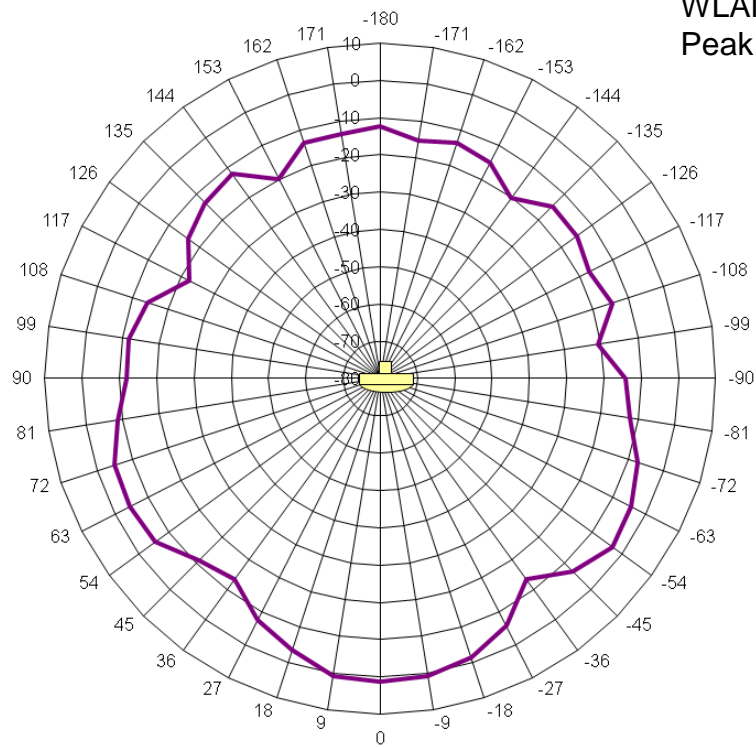
\* Measured with 0.6m cable on 30x30cm glass pane

**Radiation diagram (typ.)\***



\* Measured with 0.6m cable on 30x30cm glass pane

**Radiation diagram (typ.)\***



WLAN 2 5300 MHz  
Peak Gain: +1 dBi

\* Measured with 0.6m cable on 30x30cm glass pane

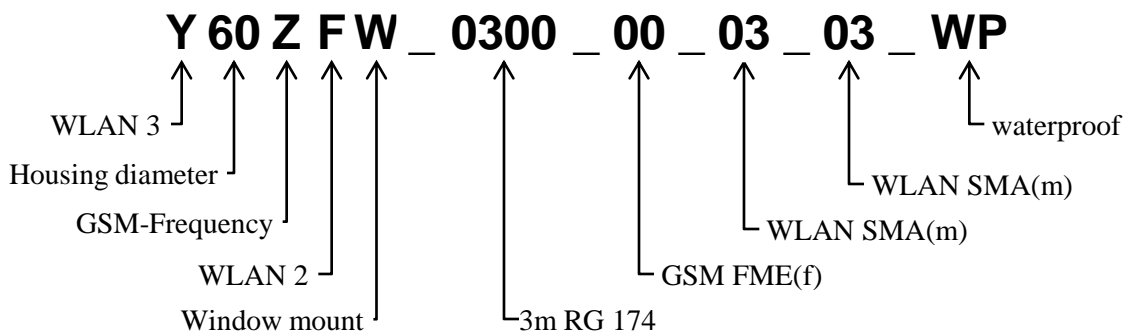
## Mounting Instructions

- To avoid mechanical stress the antenna should not be attached on doors or flaps.
- No extra ground planes are necessary for this antenna (ground plane inside).
- Mountable on all clean, smooth and stainless surfaces.
- Mountable on glass and non-metallic materials.
- Don't stick the antenna under +10°C to get an optimal adhesion of the sticker.
- Clean seating nonfat before sticking by using the delivered cleaning cloth
- First remove protection foil on one side of the sticker and stick it on the seating, avoid formation of bubbles.
- Now the other protection foil has to be removed from the sticker. Stick the antenna on with it's level side and advantage direction (cable pointing below) and apply sufficient pressure.

**Delivery includes:** Sticker; cleaning cloth with isopropanol

**Important:** Before sticking please test the adhesive bonding possibility of the material!

## Ordering example



## Warranty

The lawful warranty conditions apply.