

## Planar Combination Antenna C60ZFM

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

- **Including 868 MHz – services and DECT**
- **Magnet mounting antenna waterproof IP68**
- **3 Neodym magnets for optimal fixing**
- **Our products are RoHS- and REACH-conform**



## Technical Data

### GSM

Frequency Range	850/900/1800/1900 + 2100 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+5 dBi typ. (900 MHz) +3 dBi typ. (1800MHz) +1 dBi typ. (2100 MHz)
Power max.	10 W
Diagnostic resistor	10 k $\Omega$ (others on request)

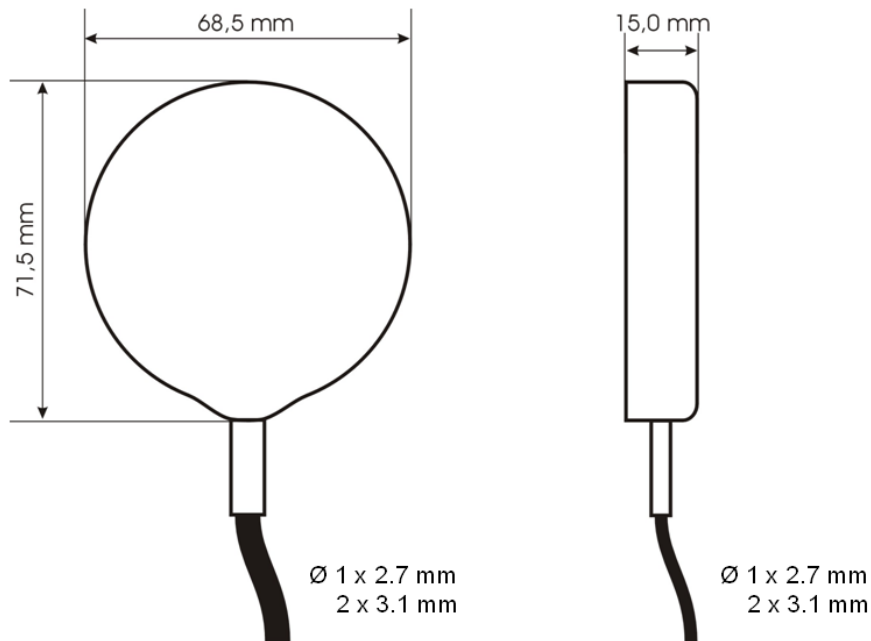
### WLAN

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

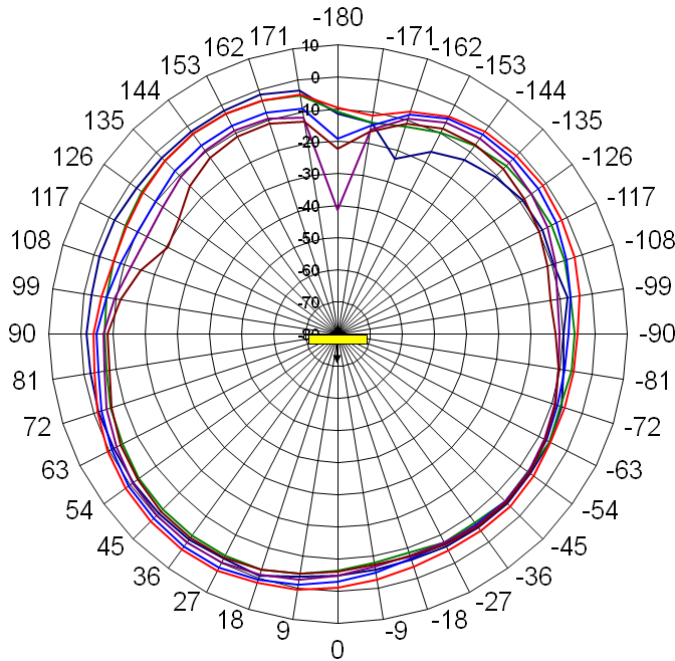
\* Measured with 0.6m cable on 30x30cm ground plane

## 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); GPS/SMA(m) ca. 3m connecting cable RG174 low loss with WLAN/SMA(m) Other cablelengths and connectors see ordering example and connector list in Internet

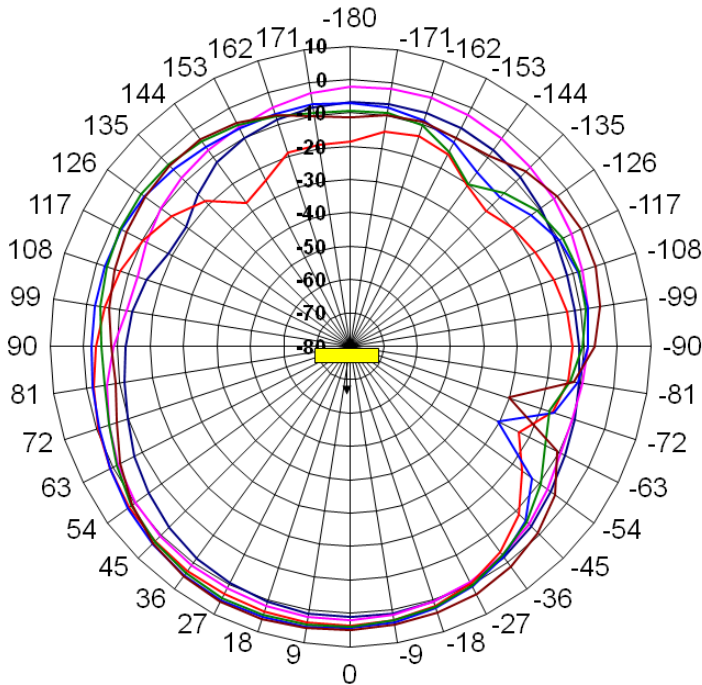


**Radiation diagram (typ.)\***



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

- 820
- 848
- 876
- 904
- 932
- 960



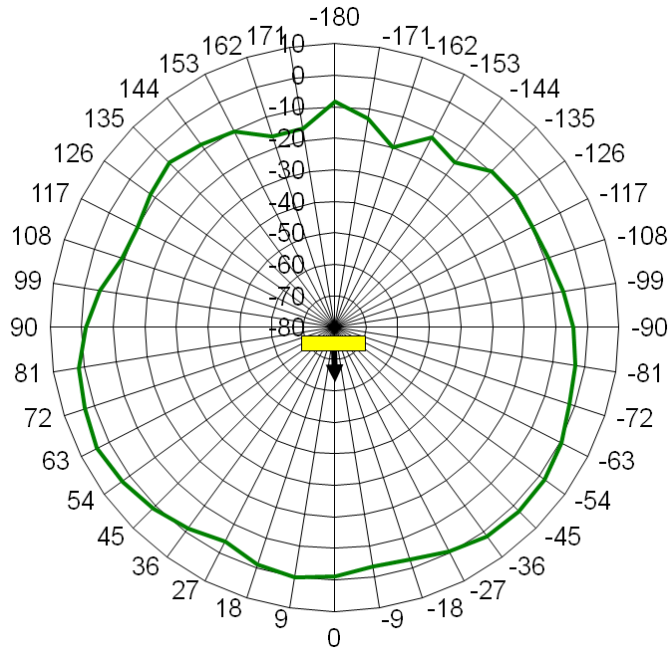
**GSM 1800 MHz**  
Peak Gain: +3 dBi

- 1710
- 1788
- 1866
- 1944
- 2022
- 2100

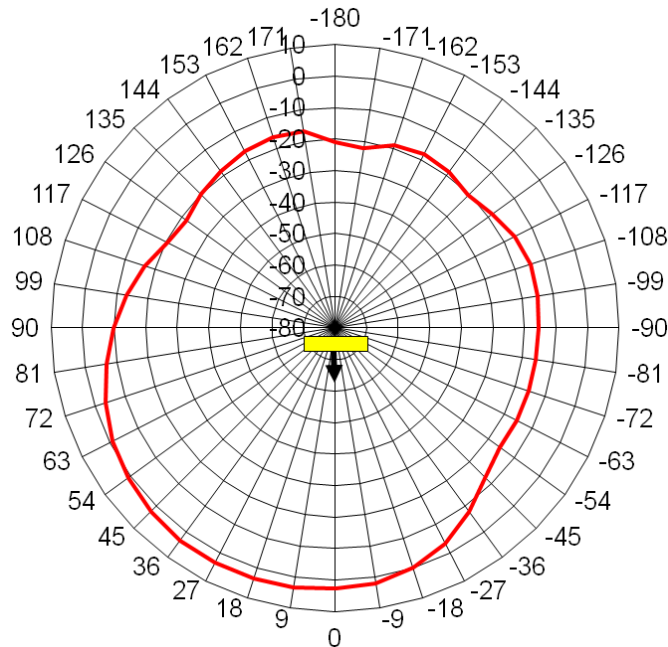
**GSM 2100 MHz**  
Peak Gain: +4 dBi

\* Measured with 0.6m cable on 30x30cm ground plane

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



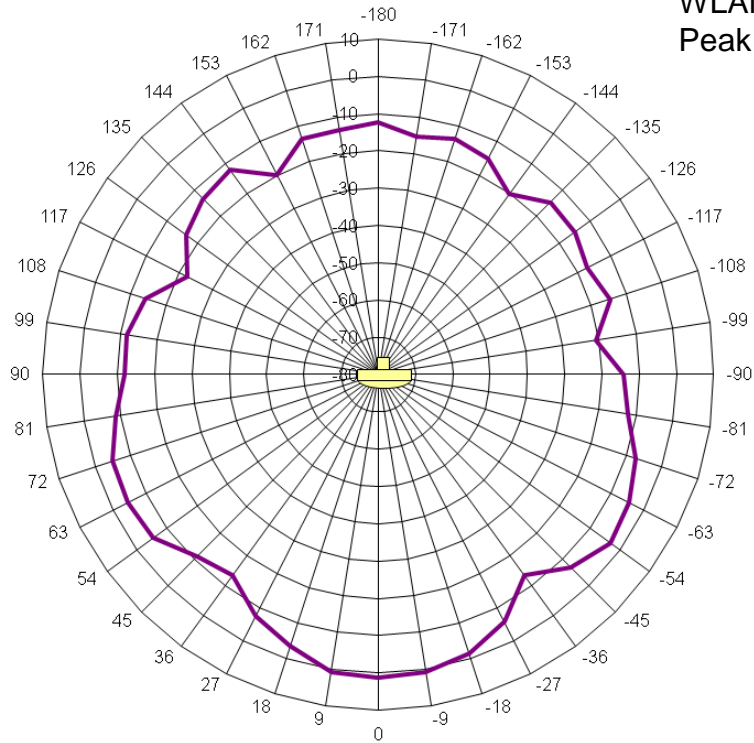
WLAN 3 2400 MHz  
Peak Gain: +4 dBi



WLAN 2 2400 MHz  
Peak Gain: +4 dBi

\* Measured with 0.6m cable on 30x30cm ground plane

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



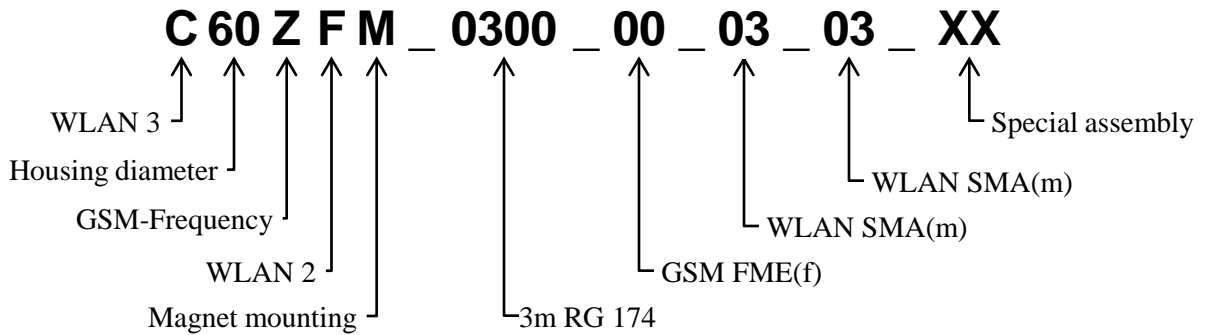
WLAN 2 5300 MHz  
Peak Gain: +1 dBi

\* Measured with 0.6m cable on 30x30cm ground plane

## 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, stainless and magnetisable surfaces.

## Ordering example



## Warranty

The lawful warranty conditions apply.