

Planar Combination Antenna C60ZCW

Window Mount**GSM 850/900/1800/1900 MHz + UMTS + Double WLAN 2400 MHz**

- **Mountable on glass and non-metallic materials**
- **No changes and modifications on the body**
- **Mounting by adhesive bonding possible on non-metallic surfaces (adhesive bonding antenna)**
- **Including 868 MHz – services and DECT**
- **Our products are RoHS- and REACH-conform**



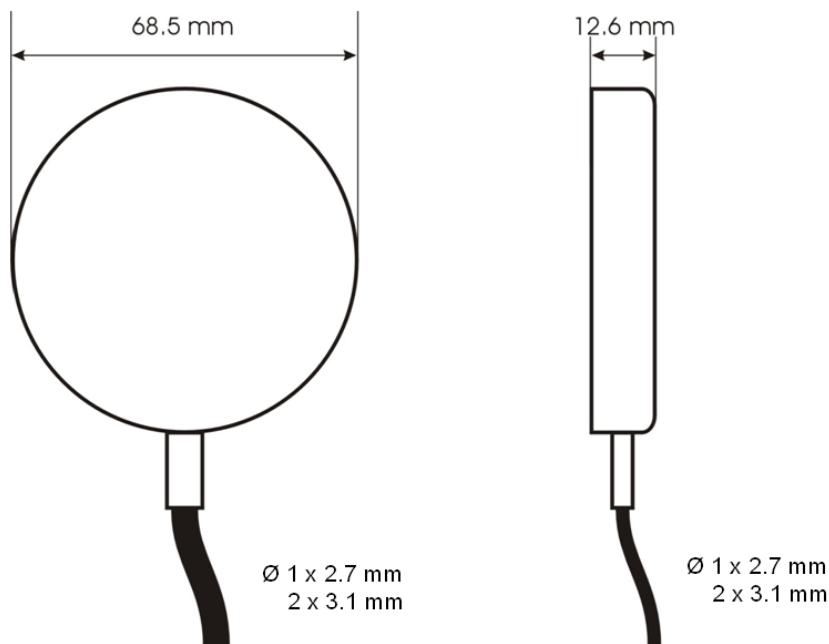
Technical Data

GSM		WLAN	
Frequency Range	850/900/1800/1900 + 2100 MHz	Frequency Range	2400 MHz
VSWR*	< 2.0 typ.	VSWR*	< 2.0 typ.
Peak Gain*	+5 dBi typ. (900 MHz) +3 dBi typ. (1800MHz) +1 dBi typ. (2100 MHz)	Peak Gain*	+4 dBi typ. (WLAN 3) +4 dBi typ. (WLAN 2)
Power max.	10 W	Power max.	10 W
Diagnostic resistor	10 kΩ (others on request)		

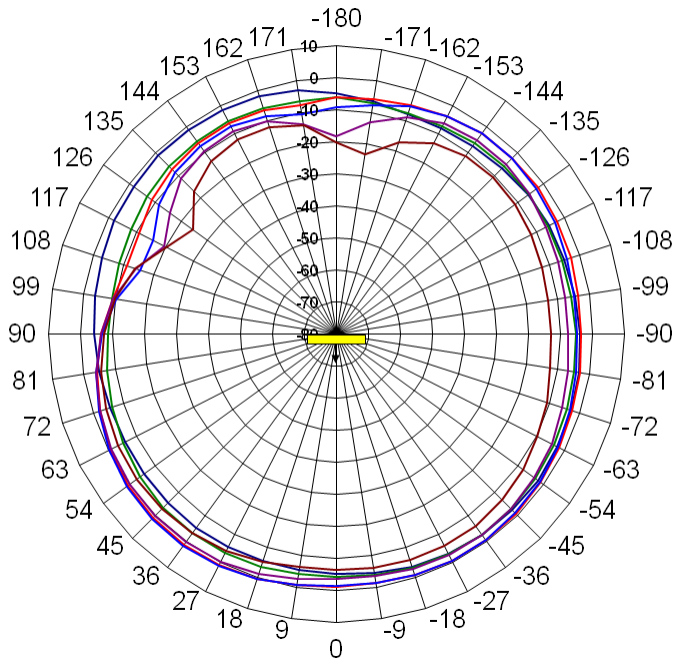
* Measured with 0.6m cable on 30x30cm ground plane

Mechanical Data

Dimensions (ØxH)	ca. 68 mm x 12 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

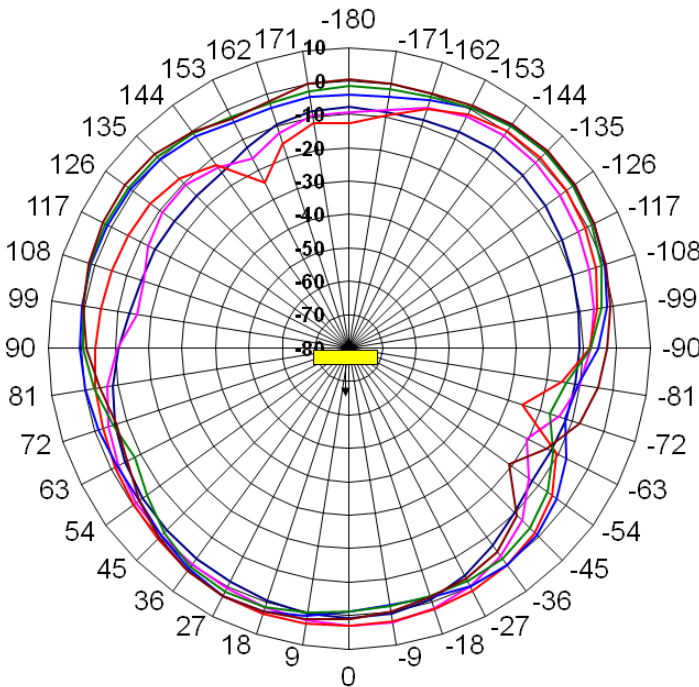


Radiation diagram (typ.)*



GSM 900 MHz
Peak Gain: +2 dBi

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



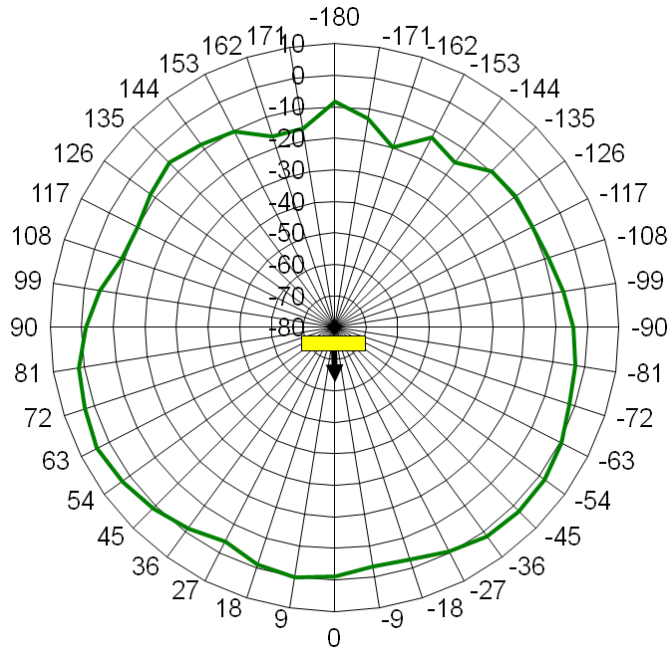
GSM 1800 MHz
Peak Gain: +3 dBi

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

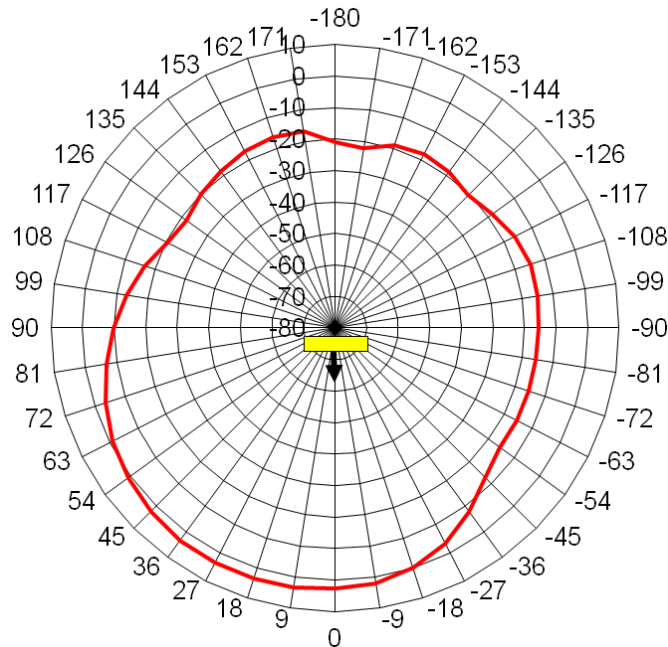
GSM 2100 MHz
Peak Gain: +1 dBi

* Measured with 0.6m cable on 30x30cm glass pane

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

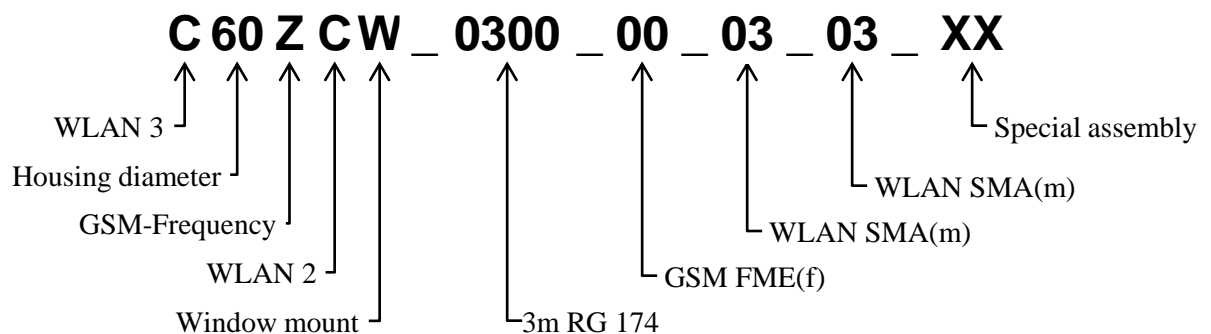
Mounting Instructions

- 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).
- The Operation of the antenna is only guaranteed by installation with the delivered sticker.
- 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.