

## Planar Combination Antenna F70CFR

Roof Mount

Double WLAN 2400/5300 MHz + WLAN 2400 MHz



- **Waterproof TÜV passed IP69K mounted**
- **Antenna available in black, white and blue other colours on demand**
- **Our products are RoHS- and REACH-conform**



## Technical Data

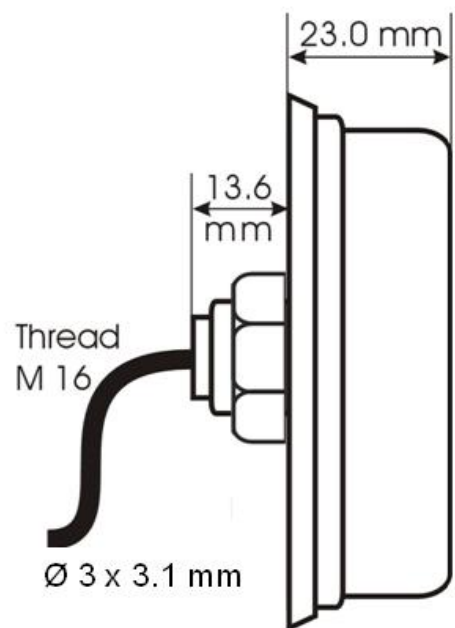
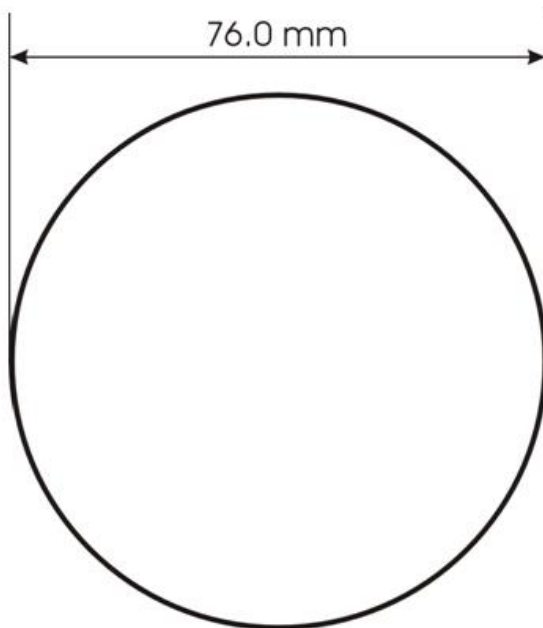
### WLAN

Frequency Range	2400/5300 MHz	
VSWR*	< 2.0 typ.	
Peak Gain*	0 dBi typ. (2400 MHz WLAN 1) +4 dBi typ. (2400 MHz WLAN 3) +1 dBi typ. (5300 MHz WLAN 3)	+4 dBi typ. (2400 MHz WLAN 2) +1 dBi typ. (5300 MHz WLAN 2)
Power max.	10 W	

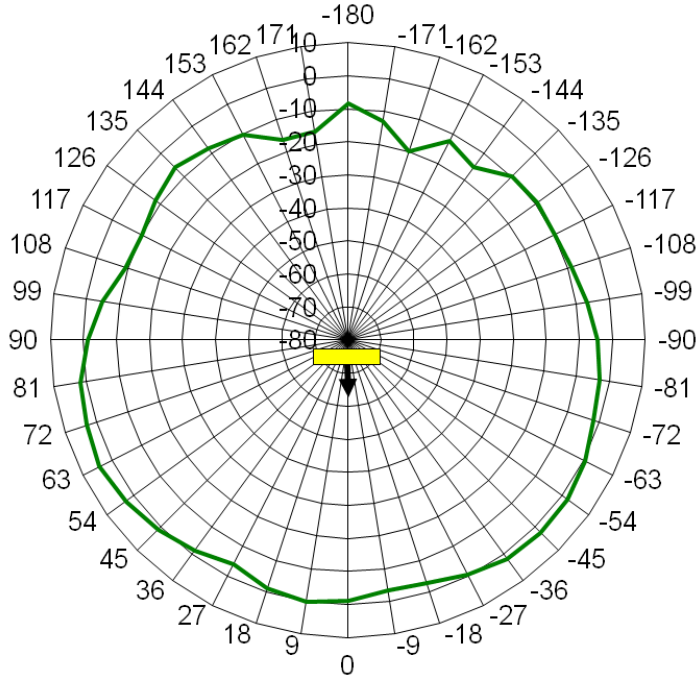
\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

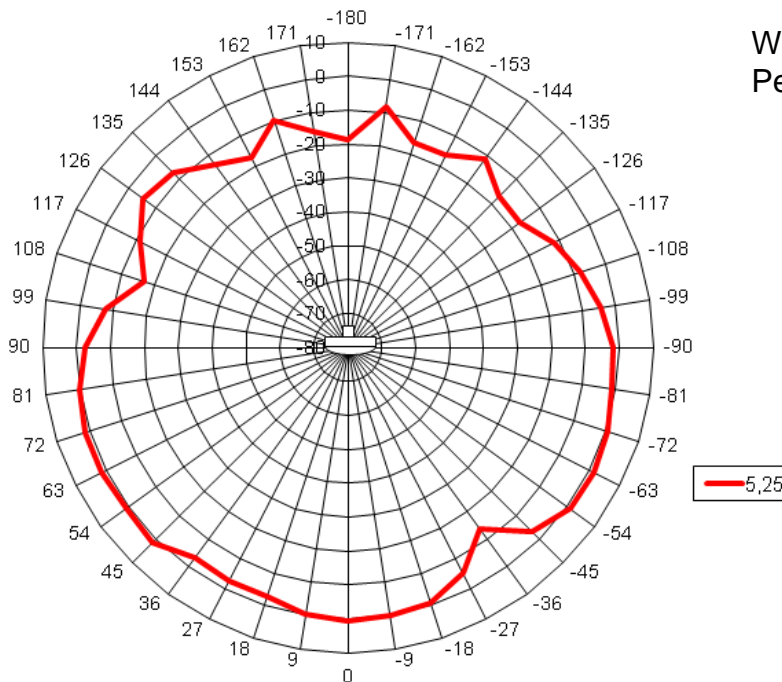
Dimensions (ØxH)	ca. 76 mm x 23 mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	ca. 3m connecting cable RG174 low loss with WLAN/SMA(m) Other cablelengths and connectors see ordering example and connector list in Internet



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



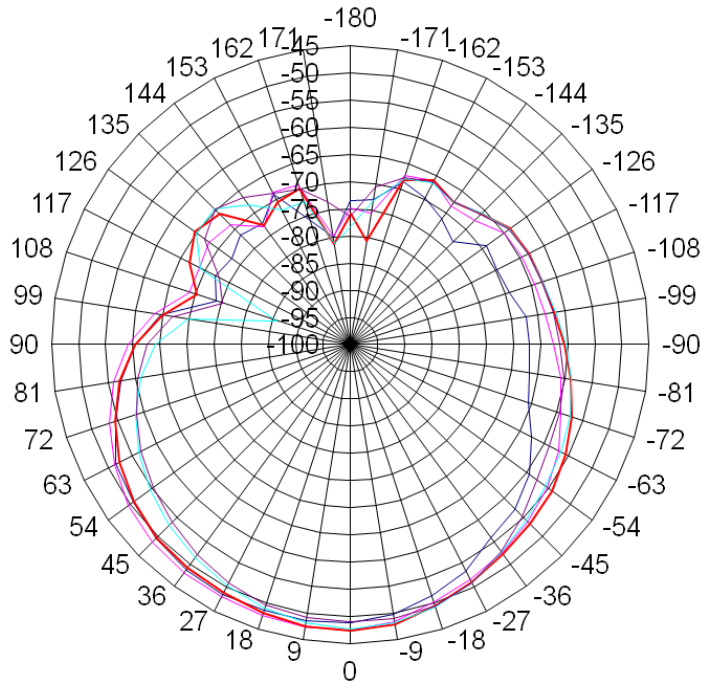
WLAN 3 2400 MHz  
Peak Gain: +4 dBi



WLAN 3 5300 MHz  
Peak Gain: +1 dBi

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

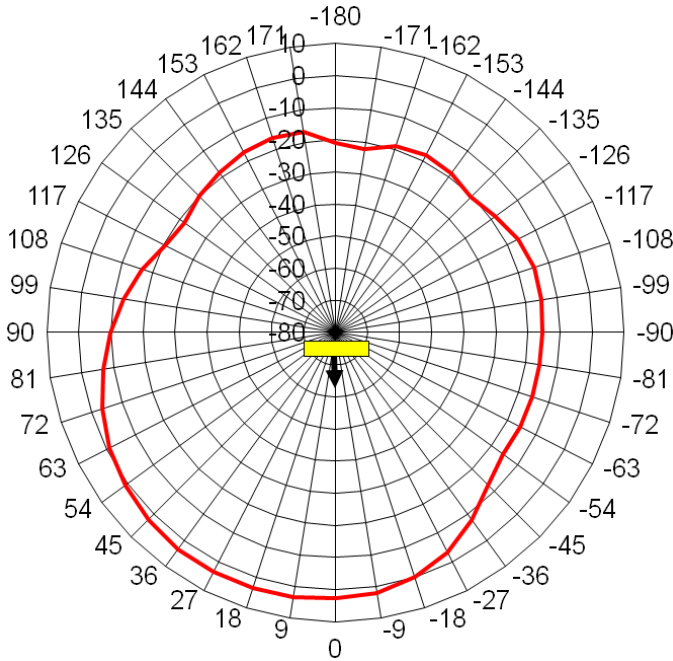
**Radiation diagram (typ.)\***



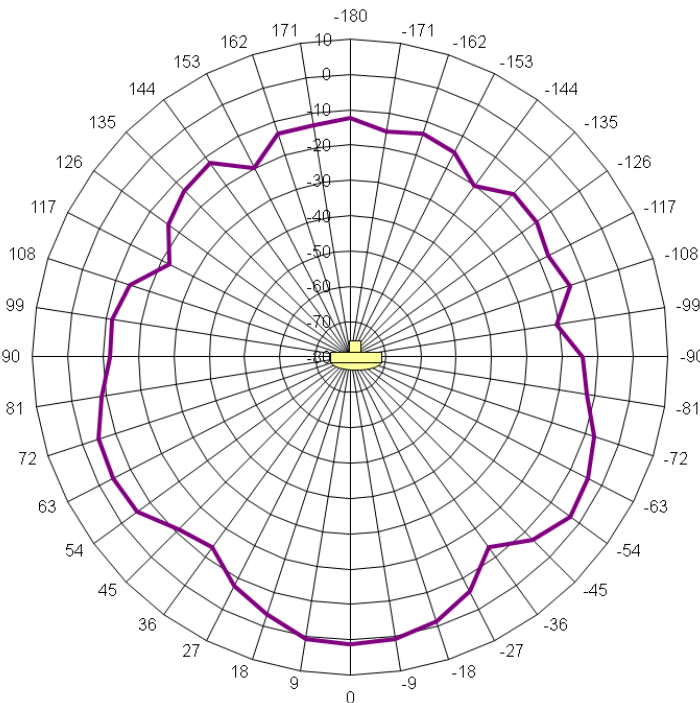
WLAN 1 2400 MHz  
Peak Gain: 0 dBi

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

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



WLAN 2 2400 MHz  
Peak Gain: +4 dBi



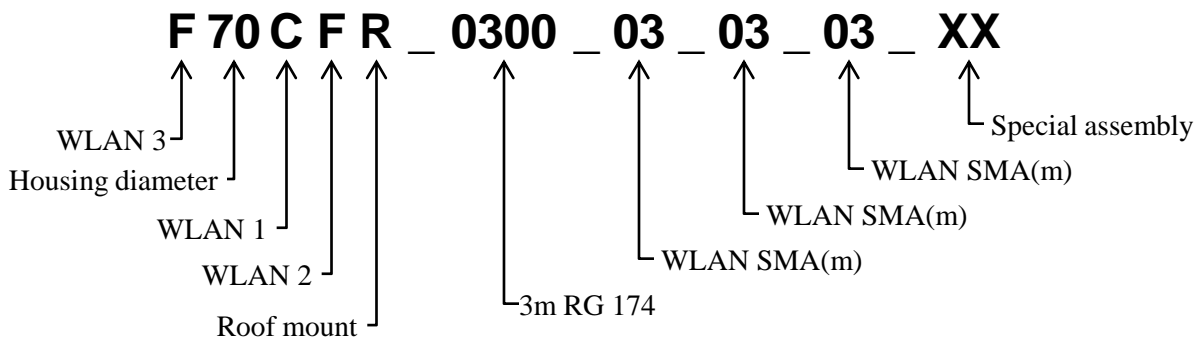
WLAN 2 5300 MHz  
Peak Gain: +1 dBi

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

## Mounting Instructions

- No extra ground planes are necessary for this antenna (ground plane inside).
- Mountable on all clean, smooth and rust free surfaces.
- Tightening torque on M16 nut is min. 4Nm to max. 6Nm
- Mounting bore hole is Ø 16mm (+2mm/-0mm)
- Alternatively the bottom is available as aluminum diecast with tightening torque 12 Nm to max. 15 Nm (AL).
- Mounting on a separate support possible, if the cable entrance is watertide.
- Antenna available with waterproof cable entrance (PW or AW).

## Ordering example



## Warranty

The lawful warranty conditions apply.