

F70XFW_0300_XX_105_105_R118

Planar combination antenna F70XFW

Glass adhesive housing, glass antenna - 70mm housing

WLAN 2400 MHz and 5300 MHz + WLAN 2400 MHz and 5300 MHz



WLAN

Frequency range:

2408 MHz to 2480 MHz (802.11b/g/n)

5150 MHz to 5850 MHz (802.11.a/h/j/n/ac)

VSWR*: < 2,0 type

Peak Gain*:

+3 dBi type (2400 MHz)

+1 dBi type (5300 MHz)

Power max.: 10 W

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+3 dBi type (2400 MHz)

+1 dBi type (5300 MHz)

Power max.: 10 W

Connectors: QLS (m) Crimp, QLS (m) Crimp

* measured with 0.6 m cable on a ground plane of 300 mm x 300 mm

Mechanical data

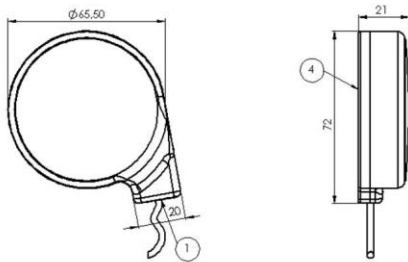
Dimensions (Ø x H): approx. 72 mm x 21 mm (waterproof)

Temperature range: -40 °C to +85 °C

Cord:

RG 174 Super low loss for WLAN, LTE

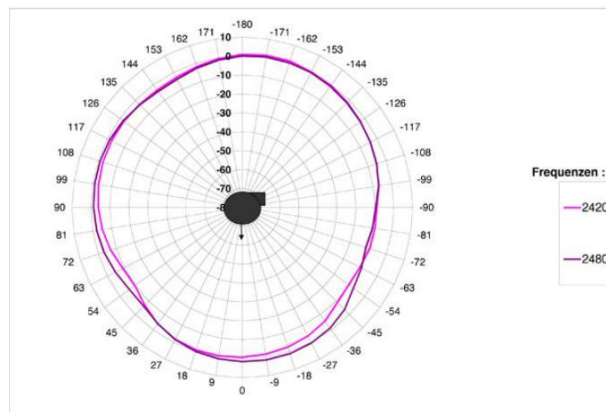
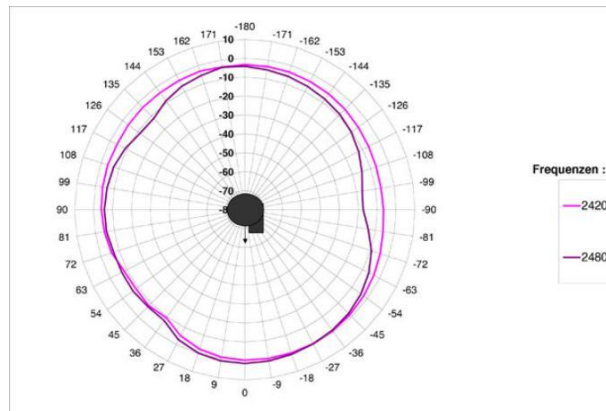
RG 174 Standard for all other functions



POS-NR.	BENENNUNG
1	Kabeleingang
4	Befestigung

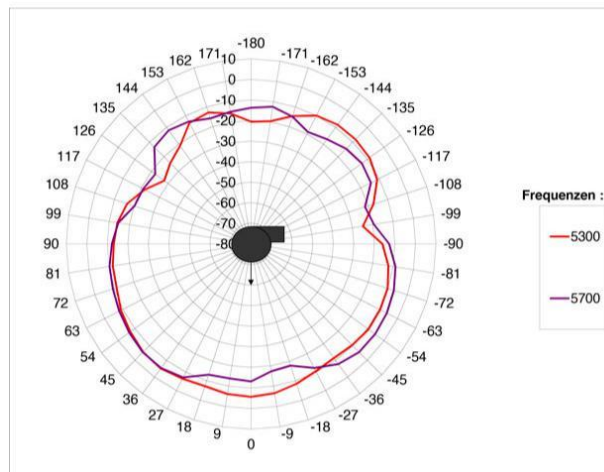
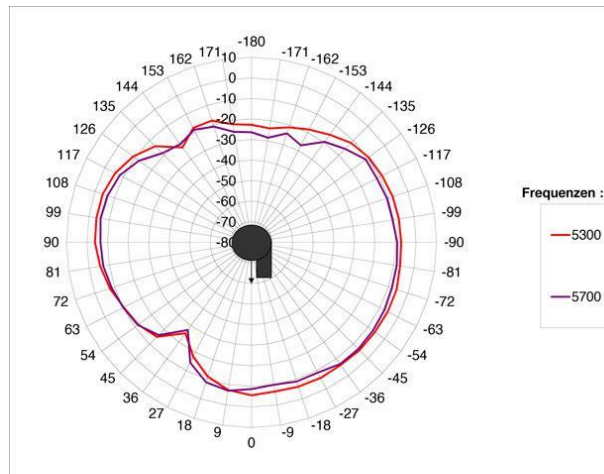
* measured with 0.6 m cable on a ground plane of 300 mm x 300 mm

Radiation pattern



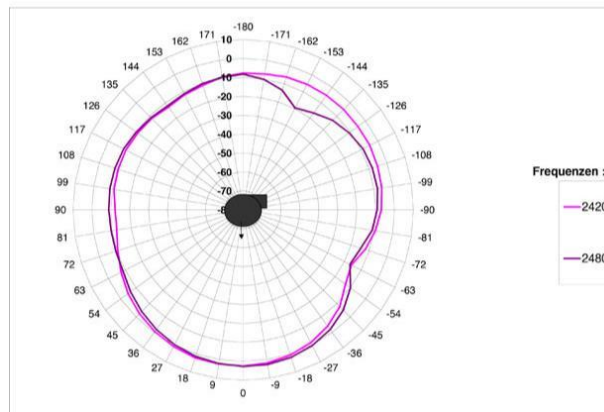
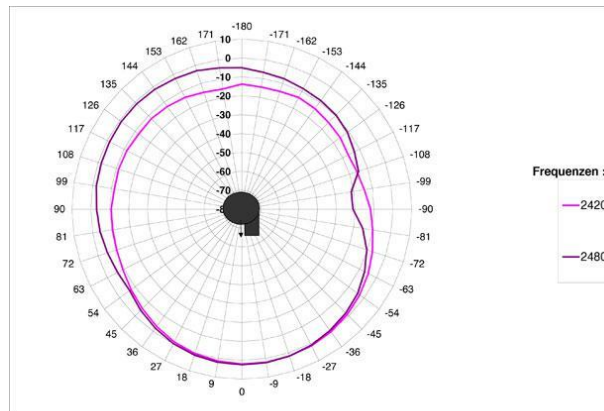
* measured with 0.6 m cable on a ground plane of 300 mm x 300 mm

Radiation pattern



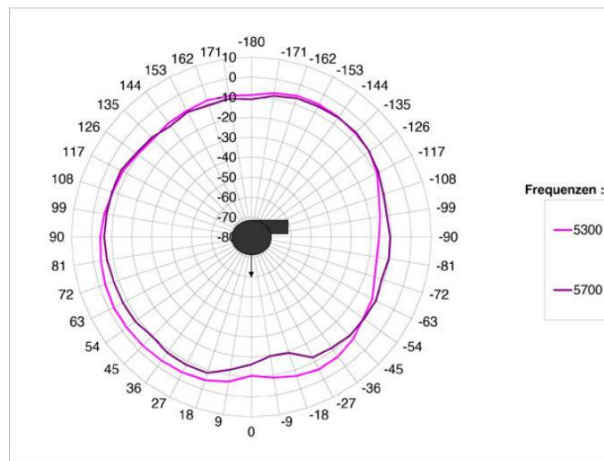
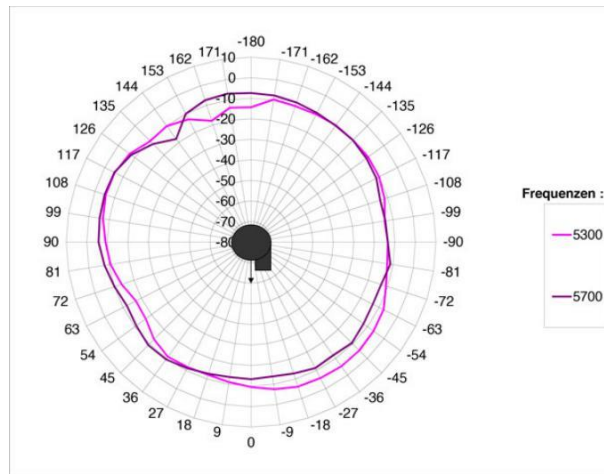
* measured with 0.6 m cable on a ground plane of 300 mm x 300 mm

Radiation pattern



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Radiation pattern



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Approvals/Tests

EN 45545-2 Railway application - fire protection in rail vehicles, antenna mass is less than 100 g, (on request)

ECE-R 118, Fire behaviour, housing material REEL PC/ABS, test report no. 16-00343-CC-BWG-00 ECE-R 118, Flammability, sealing material REEL FLEX B118, test report no. 16-00344-CC-BWG-00 impermeability IP68

Installation instructions

Installation instructions deskmount and pane mounting (except M90)

- No additional ground plane required, the antenna has an internal ground plane. The radiation diagrams for desk and magnet mounting antennas have been measured on a ground plane of 300 mm x 300 mm. The cable length was 60 cm.
- Can be mounted on all clean, rust-free surfaces.
- To avoid mechanical stress on the cables, the antenna should not be mounted on doors, flaps or the like.
- Please note that both the antenna, the adhesive pad and the mounting surface have a mounting temperature of at least +10 °C.
- The mounting surfaces must be cleaned with the enclosed cleaning cloth, which contains only water and isopropanol. Normal cleaning agents are not suitable, as they usually contain surfactants. Spirit is unsuitable because of the oils contained.
- Please check the adhesiveness of the mounting surface before gluing. The supplied adhesive tape has an acrylic adhesive layer. Temperature range acrylic adhesive: -40 °C to +115 °C.
- Adhesive pad and cleaning cloth are included in the scope of delivery.

Closing remarks

This data sheet was created with a pre-programmed configuration. We have compiled the data to the best of our knowledge. Unfortunately we could not test all possibilities in advance due to the large amount of data. Neither is the configuration able to assign customer-specific designation features. Therefore we would like to ask you to send us a data sheet copy for release.