

## Model name: $\lambda/4$ coax cable antenna BMW 9.289.029.3

### Scope

The  $\lambda/4$  coax cable antenna (BMW SNR.: 9.289.029.3) is used for the following applications:

- WLAN (WIFI)
- Bluetooth

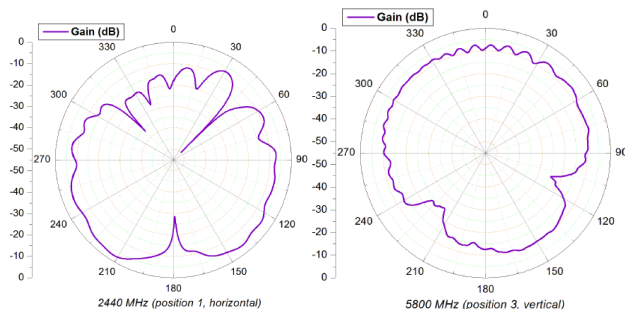
The tested specimen had a length of  $\sim 1$ m. The measured values vary with the cable length.

### Productinformations

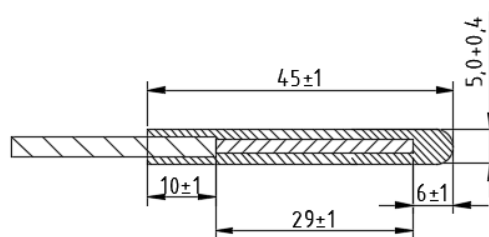
Specifications	
Frequency Range (MHz)	2400–2495; 5150–5850
Antenna Type	$\lambda/4$ ; $5/8 \lambda$ Monopole
Peak Gain 2.4GHz Band	-2.5 dBi
Peak Gain 5GHz Band	-2,8 dBi
VSWR	< 4.0:1 (> 2 GHz)
Polarization	Linear
Azimuth Beamwidth	Omni-directional
Power Handling	3 Watt CW
Feed Point Impedance	50 $\Omega$ unbalanced
Size	L: 45.0 mm; D: 5mm
Weight	1.6 g
Mounting	Moulding
Cable / Connector	Fakra SF or MiniCoax

- The open inner conductor at the end of the coax cable set a  $\lambda/4$  or a  $5/8 \lambda$  antenna for WLAN or Bluetooth
- Molding is only for the coax cable 6.923.610.9 (Low Loss/RTK 031) possible
- On the coax cable 6.923.610.9\* (Low Loss/RTK 031) can be assembled two contact types:
  - Fakra SF (with diagnostic function)
  - MiniCoax (connection monitoring in combination with ADTCon-MC Diagnosepin)

### Radiation pattern



### Dimensions



\*Please note that the article must be comply with the MD-Specifications and handling instructions, you can request them from your contact person or you can find them on our internet page.

Picture



Versions

Document	Version	Date	Type of modification
Specification	00	10.06.2020	Walzik Werner (BMW) Grasser Thomas (MD) Huber Markus (MD)

Confidential

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