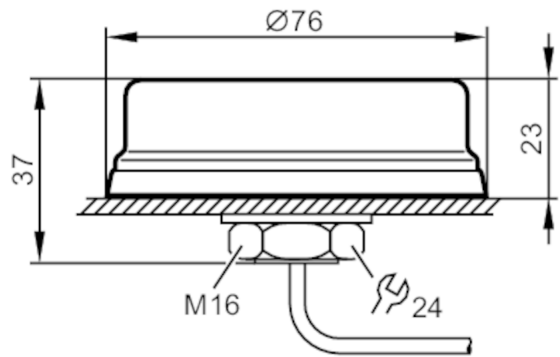




Combined antenna for WLAN and Bluetooth

WLAN/BLE/FAKRA-I Antenna



Interfaces

WLAN	
Frequency band	2400...2480 MHz (802.11b/g/n); 5150...5852 MHz (802.11a/h/j/n/ac)
Type of connector	FAKRA
Note on interfaces	VSWR: < 2,0
	Antenna gain (2,4 GHz): + 3 dBi
	Antenna gain (5,3 GHz): + 1 dBi
	Power: < 10 W

Operating conditions

Ambient temperature	[°C]	-40...85
Protection		IP 69K

Tests / approvals

Standard	IEC 60068-2-14 Nb; IEC 60068-2-14 Na; IEC 60068-2-3 Db; IEC 60068-2-2; IEC 60068-2-27; ISO 16750-2; EN 45545-2; ECE R 118
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Mechanical data

Weight	[g]	105.85
Type of mounting		screw mounting; (M16 x 1,5)
Dimensions	[mm]	Ø 76 / L = 23
Tightening torque	[Nm]	5

Remarks

Remarks	When mounting the antenna(s) in vehicles avoid the vicinity of fuel tanks, vessels with explosives or insufficiently screened electronic components.
	Do not install antenna inside closed metal construction (e.g. in driver's cabin).
	Clean the mounting surface before the installation.
	Do not extend or shorten antenna cable.
	Avoid direct exposure to steam or high-pressure cleaning during car wash.
	Radio communication can affect the function of electronic devices that are not correctly shielded.
	Contact the manufacturer of the corresponding device in case of any interference.
Pack quantity	1 pcs.

Electrical connection - WLAN / Bluetooth

Cable: 2 m
Connector: FAKRA I

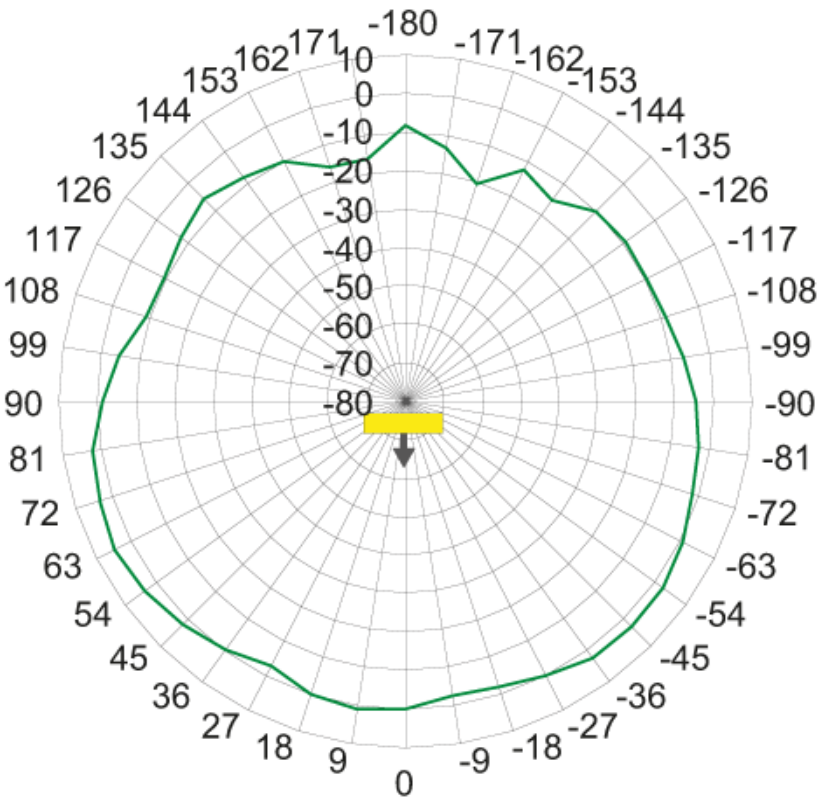


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Diagrams and graphs

signal pattern



measured with a 0.6 m cable on a base area of 300 mm x 300 mm

EC3133



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signal pattern

