

Datasheet

ANTENNA INTERIOR WLAN

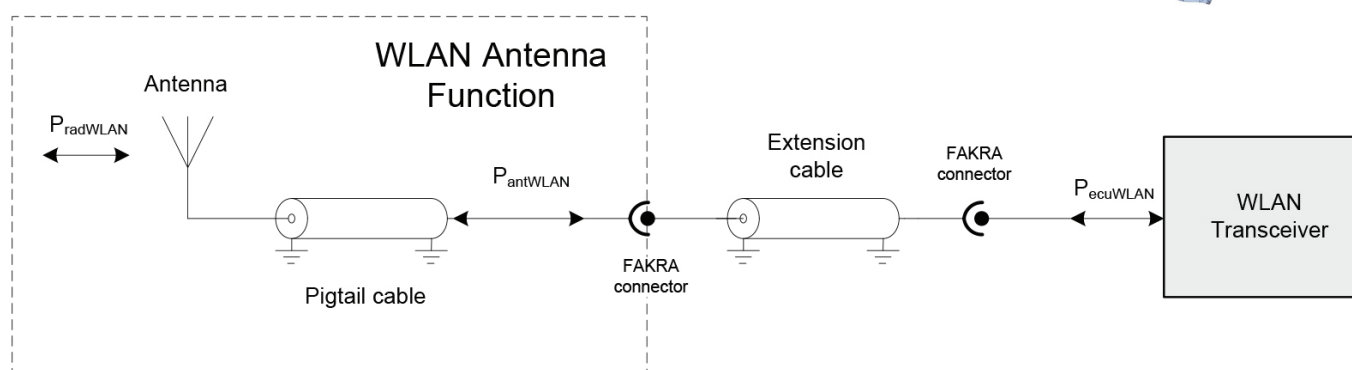
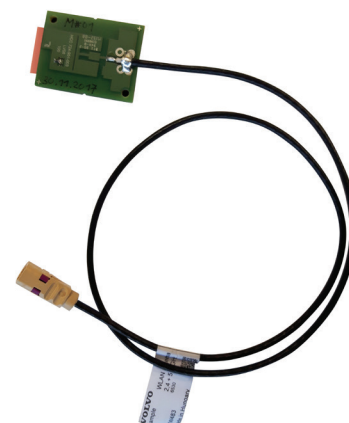
ANTENNA WLAN INTERIOR

Pt no.

23311706 / 920 638-001

- Passive transmitting and reception antennas for BT/WLAN(2.4/5 GHz)
- Low body height max. 5 mm
- Coverage of frequency band BT/WLAN(2.4/5 GHz)
- Mounting on plastic and glass materials

Subject to alterations



Technical data*

Parameter	TR reference	Remarks	Units	Values
Dimensions / Package				107x54x5 mm
Housing Materials	REQ 22379848-23 v1			TPU Elastollan® Konz 917/1, black
Housing Protection Class	REQ 22379848-6 v1 REQ 22379848-8 v1	ISO 20653		IP 5k2
Operating Temperature	REQ 22379848-9 v1			-40- +85°C
Storage Temperature				-40- +85°C
Cable type	REQ 22379848-41 v1	Dacar 302	dB/m	< 0.7 @ 2.5GHz < 1.2 @ 6GHz
WLAN				
Parameter	TR reference	Frequency ranges	Units	Values
Frequency bands	REQ 22379848-53 v1	2400 ≤ f ≤ 2485 MHz 5150 ≤ f ≤ 5925 MHz		
Return Loss	REQ 22379848-54 v1	2400 - 2485 MHz 5150 - 5925 MHz	typ. dB	≥ 8
Polarization	REQ 22379848-60 v1	VP (antenna mounted vertically)		linear

Datasheet

ANTENNA WLAN INTERIOR

Pt no.

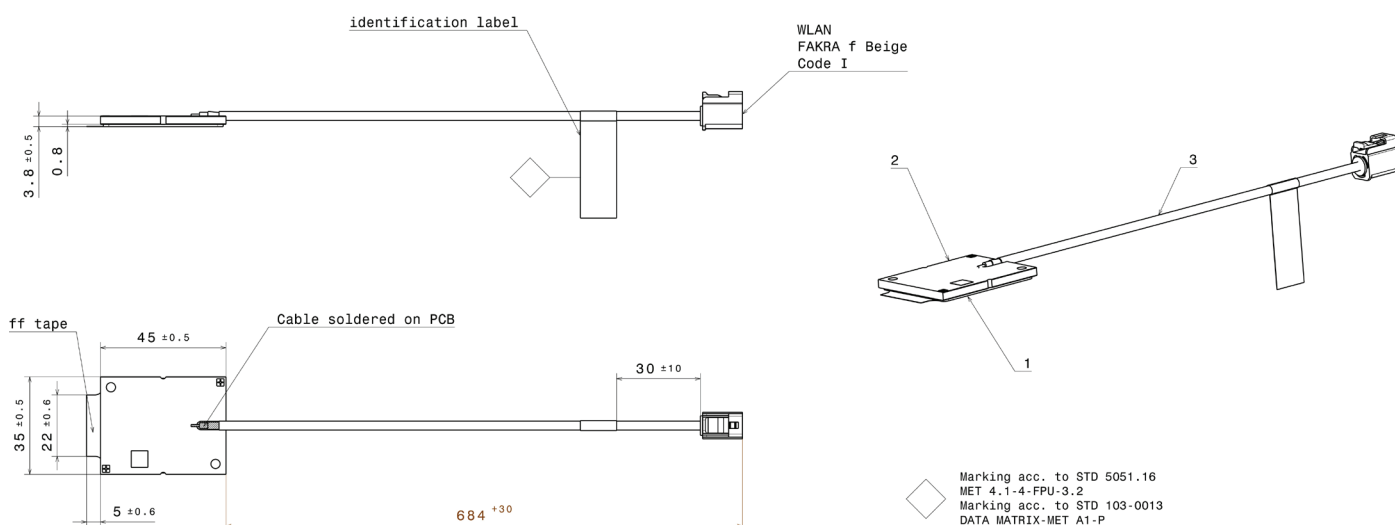
23311706 / 920 638-001

Technical data*

Parameter	TR reference	Frequency ranges	Units	Values
Antenna Gain (Average)	REQ 22379848-55 v1	2400 - 2485 MHz 5150 - 5925 MHz	typ. dBi	≥ -1.5 $\geq 0,5$
Impedance	REQ 22379848-54 v1		Ω	50
Diagnosis Resistor	REQ 22379848-67 v1		k Ω	51
Power Handling	REQ 22379848-48 v1		dBm	≥ 30

* All technical requirements are according to 22379848.06 "Antenna System P2593/P2594 Multifunctional & Single function antennas"

Technical drawings



Datasheet

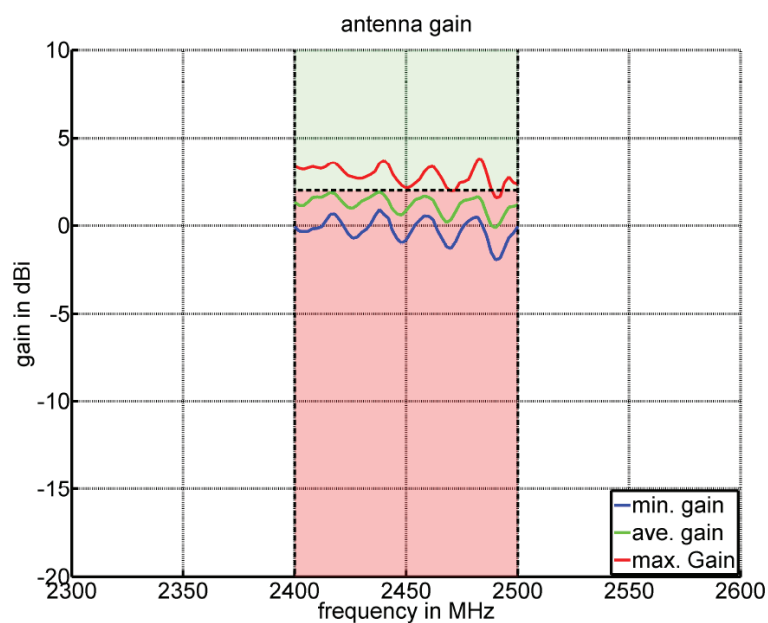
ANTENNA WLAN INTERIOR

Pt no.

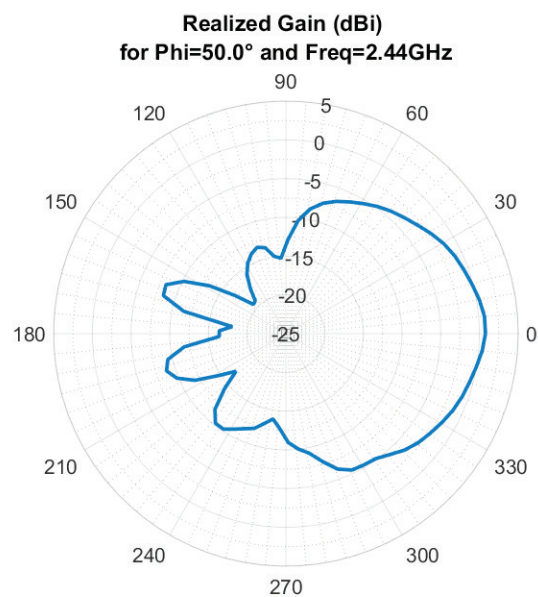
23311706 / 920 638-001

Antenna diagrams

Gain



Radiation pattern



Datasheet

ANTENNA WLAN INTERIOR

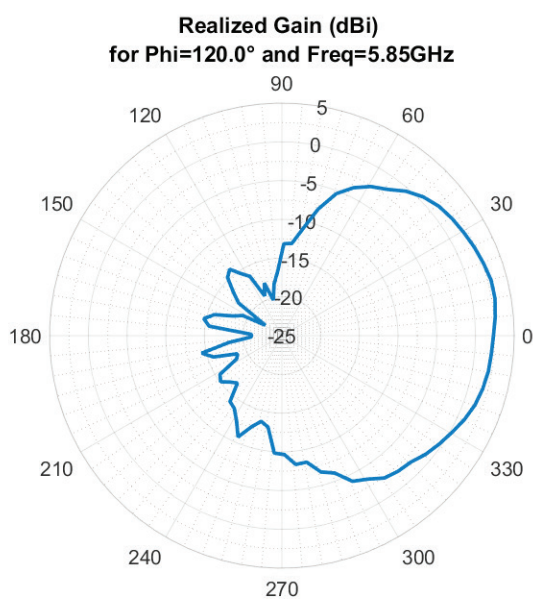
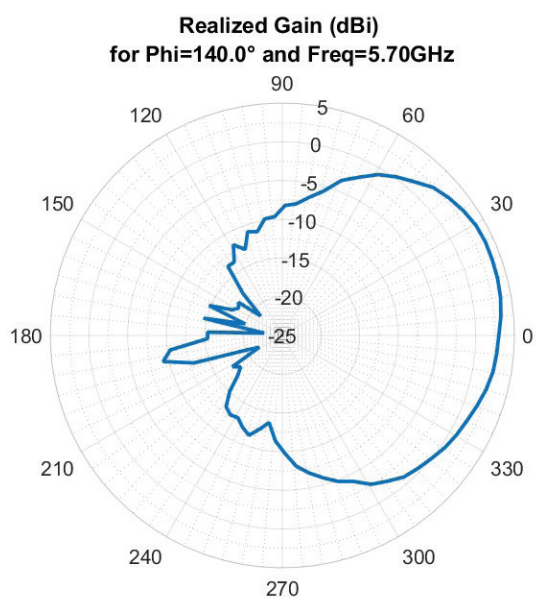
Pt no.

23311706 / 920 638-001

Subject to alterations

Antenna diagrams

Radiation pattern



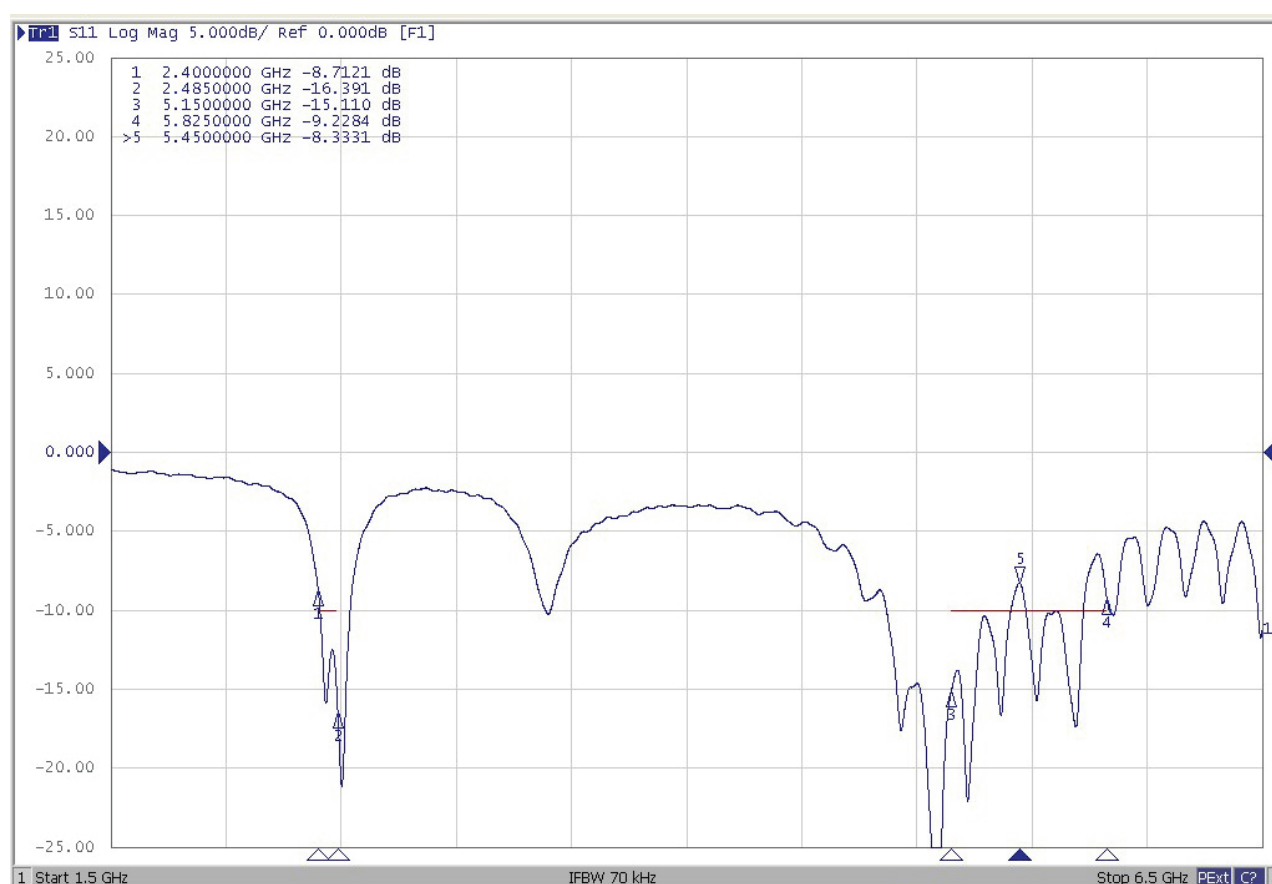
Datasheet

ANTENNA WLAN INTERIOR

Pt no.
23311706 / 920 638-001

Antenna diagrams

Return loss



Frequency Table

Service	Lower Limit	Upper Limit
WLAN 2,4	2400 MHz	2485 MHz
WLAN 5	5150 MHz	5925 MHz