

TECHNICAL DATA SHEET Description: 824-960/1710-1990MHz PCB Antenna with coax feed

PART NUMBER: W3502

Features:

- Small form factor
- Size W x L x H (43x 17 x 0.5 mm)
- Low weight (0.8 g)
- Cable feed with I-PEX connector (U.FL compatible)
- Cable length 17.47 mm
- Lead free materials
- RoHS Compliant Product
- Mounting options:
- With adhesive tape (not included into antenna)
- Plastic pegs through holes in radiator, heat stacking

Applications:

- Frequency range (GSM 850 / GSM 900 / DCS / PCS)
- 2G / GPRS

All dimensions are in mm / inches

Issue: 2108

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Description: 824-960/1710-1990MHz PCB Antenna with coax feed

Series: Internal Antenna

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ELECTRICAL SPECIFICATIONS

Antenna Type	PCB + Cable
Frequency	824-960/1710-1990 MHz
Nominal Impedance	50 Ω
Return Loss	-5dB @ 824-960MHz
	-3.5dB @ 1710-1990MHz
Radiation Pattern	Omni
Gain	1 dBi
Efficiency	50%
Polarization	Vertical
Power Withstanding	1W

MECHANICAL SPECIFICATIONS

PCB size Connector type Cable type Cable length 43 [1.693] x 17 [.669] x 0.5 [.020](with adhesive) mm[inch] I-PEX connector (U.FL compatible 1.13 mm coaxial 17.47 mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Storage Temperature RoHS Compliant -40~85 °C -40~85 °C Yes

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use without specific written authorization of Pulse is strictly forbidden.



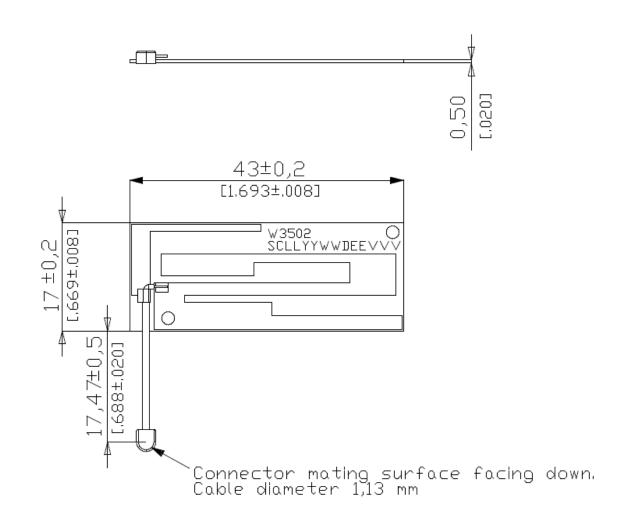


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MECHANICAL DRAWING



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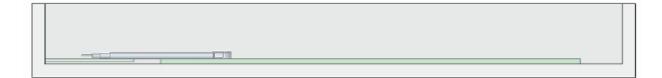


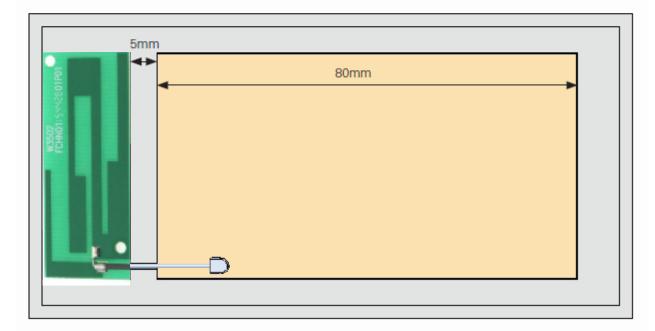
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TEST SETUP





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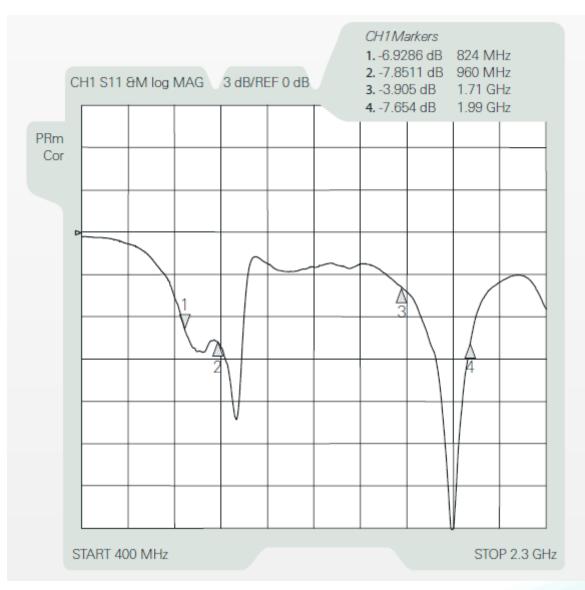
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CHARTS

Return Loss



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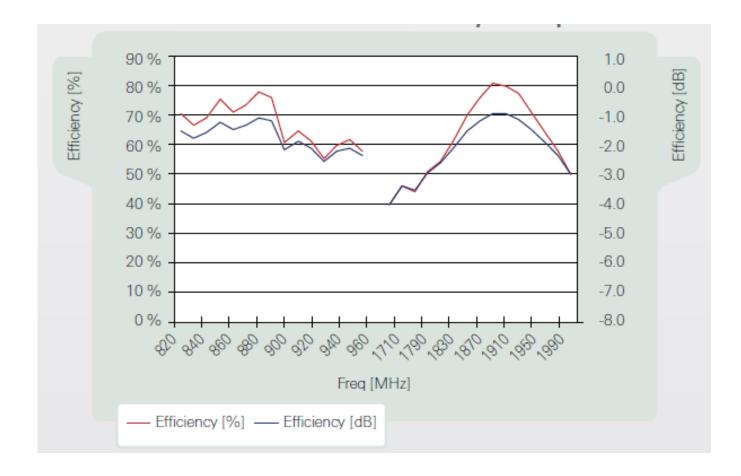
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CHARTS

Efficiency



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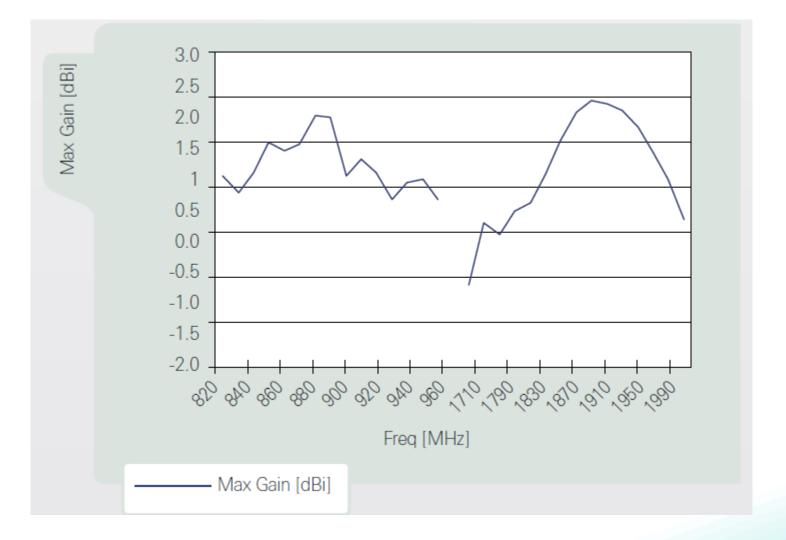
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CHARTS

Peak Gain



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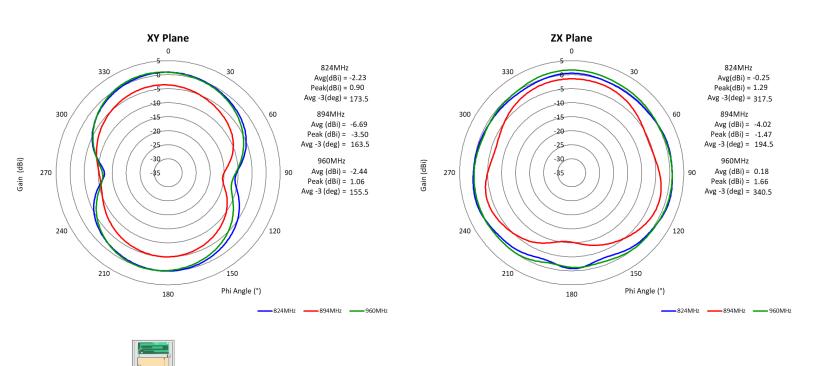
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Antenna with coax feed

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CHARTS

Radiation Pattern



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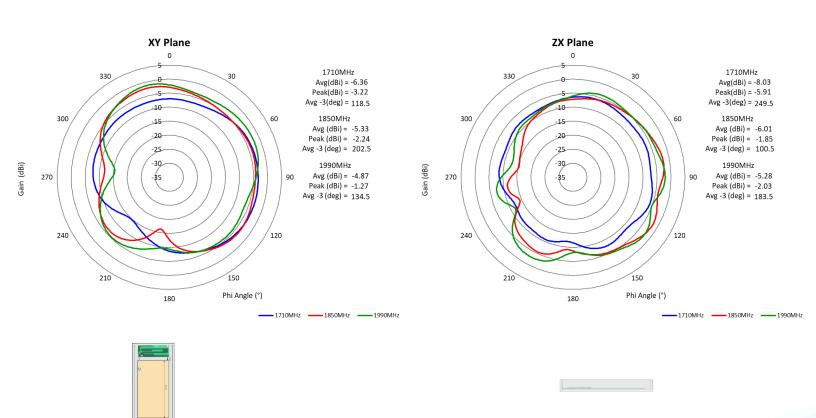
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CHARTS

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