

Series: Stick Antenna

Description:

470-510 MHz RA Stick Dipole – SMA-M

PART NUMBER: W1099



Features:

- Frequency 470-510MHz
- Gain 1dBi
- Length 128mm
- Connector SMA-Male
- IP42
- RoHS Compliant

Applications:

- China ISM radios operating on 470-510MHz license free band
- Indoor use
- Remote controls
- Surveillance, Monitoring
- Industry automation
- IoT

All dimensions are in mm / inches

Issue: 1850

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:

Pulse Worldwide Headquarters
15255 Innovation Drive #100
San Diego, CA 92128
USA
Tel: 1-858-674-8100

Pulse/Larsen Antennas
18110 SE 34th St Bldg 2 Suite 250
Vancouver, WA 98683
USA
Tel: 1-360-944-7551

Europe Headquarters
Pulse GmbH & Do, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.
99 Huo Ju Road(#29 Bldg, 4th Phase
Suzhou New District
Jiangsu Province, Suzhou 215009 PR China
Tel: 86 512 6807 9998



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PART NUMBER: W1099**ELECTRICAL SPECIFICATIONS**

Antenna Type	Dipole
Frequency	470-510MHz
Nominal Impedance	50 Ω
VSWR	3:1(MAX)
Radiation Pattern	Omni
Gain	1dBi(typical)
Efficiency	65%(typical)
Polarization	Vertical
Power Withstanding	5W

MECHANICAL SPECIFICATIONS

Overall Length	128 mm
Weight	15.9 g
Antenna Color	Black
Connector type	SMA Male R/A

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40~+85° C
Storage Temperature	-40~+85° C
Ingress Protection	IP42
RoHS Compliant	Yes

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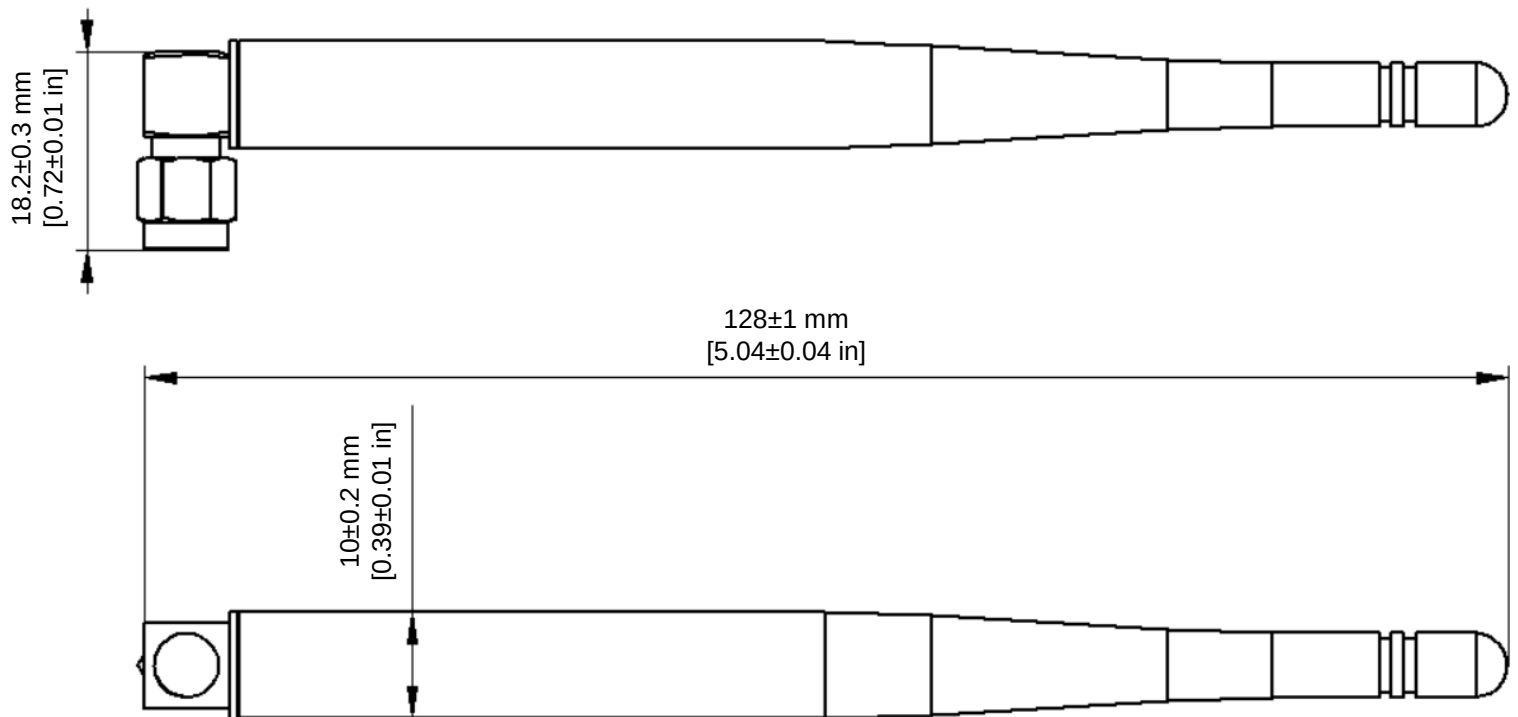
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MECHANICAL DRAWING



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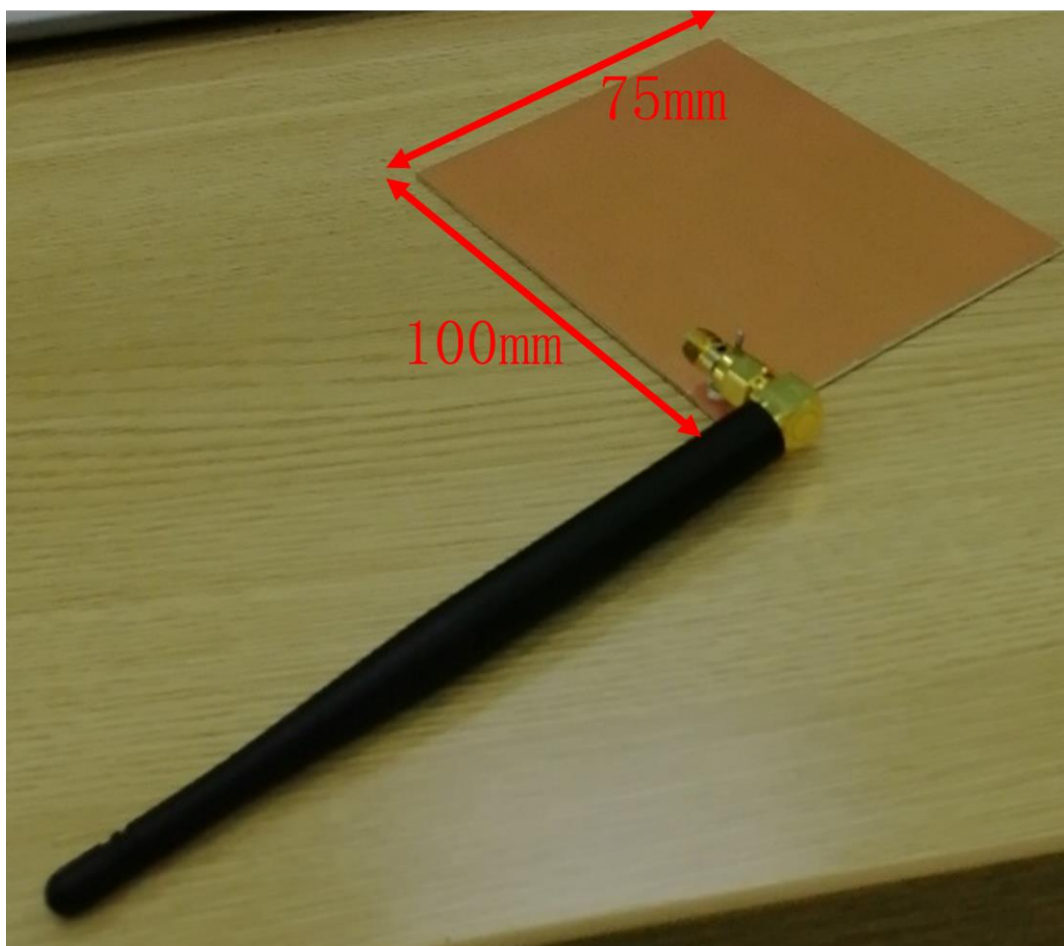
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TEST SETUP



Test with a 100mm*75mm ground plane in free space.

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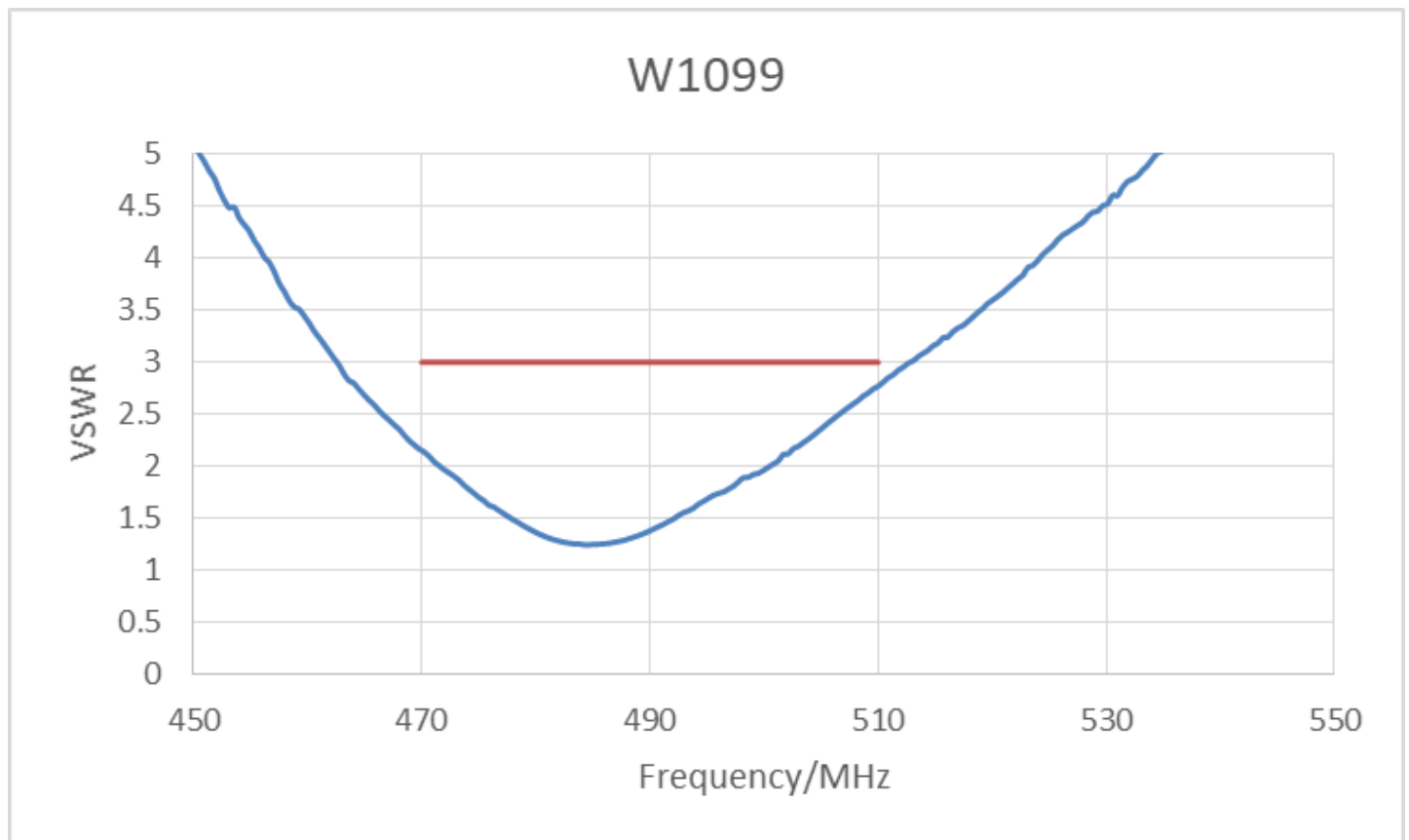
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CHARTS

VSWR vs Frequency



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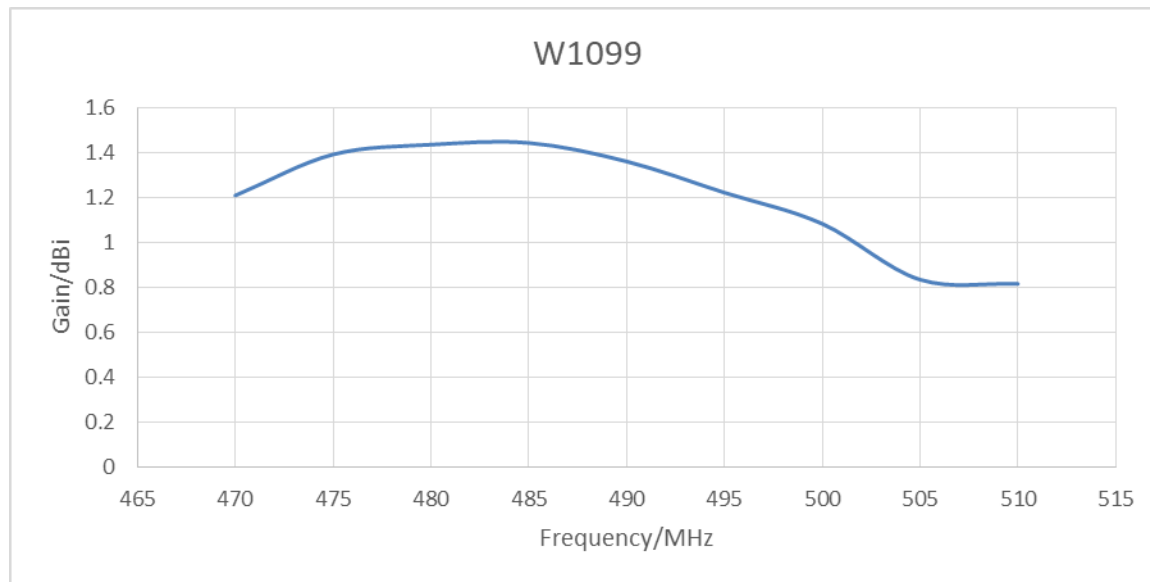
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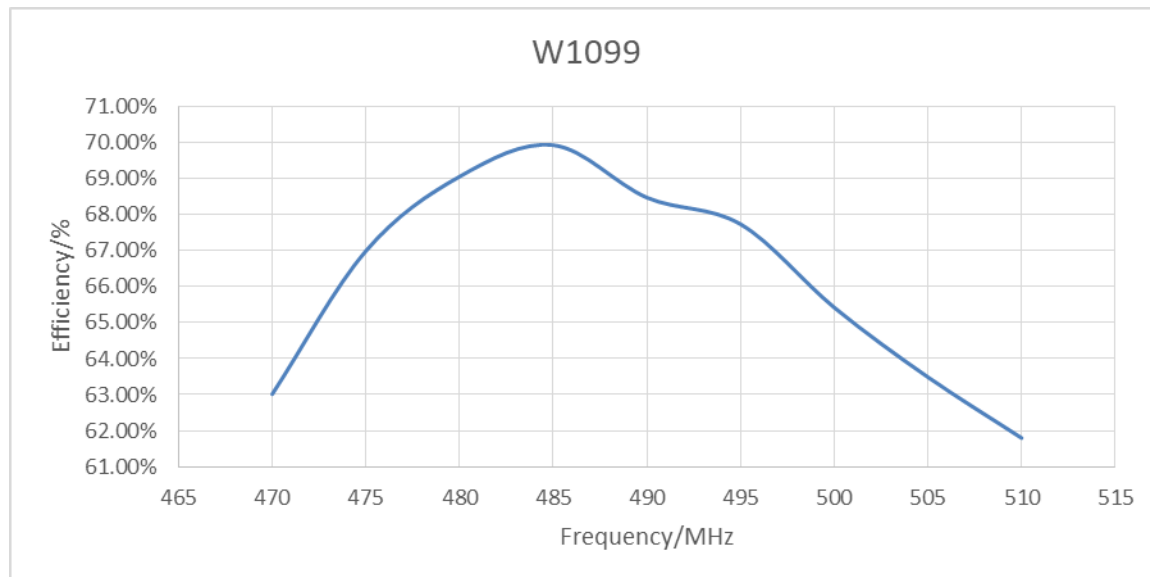
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CHARTS

Peak Gain



Radiation Efficiency



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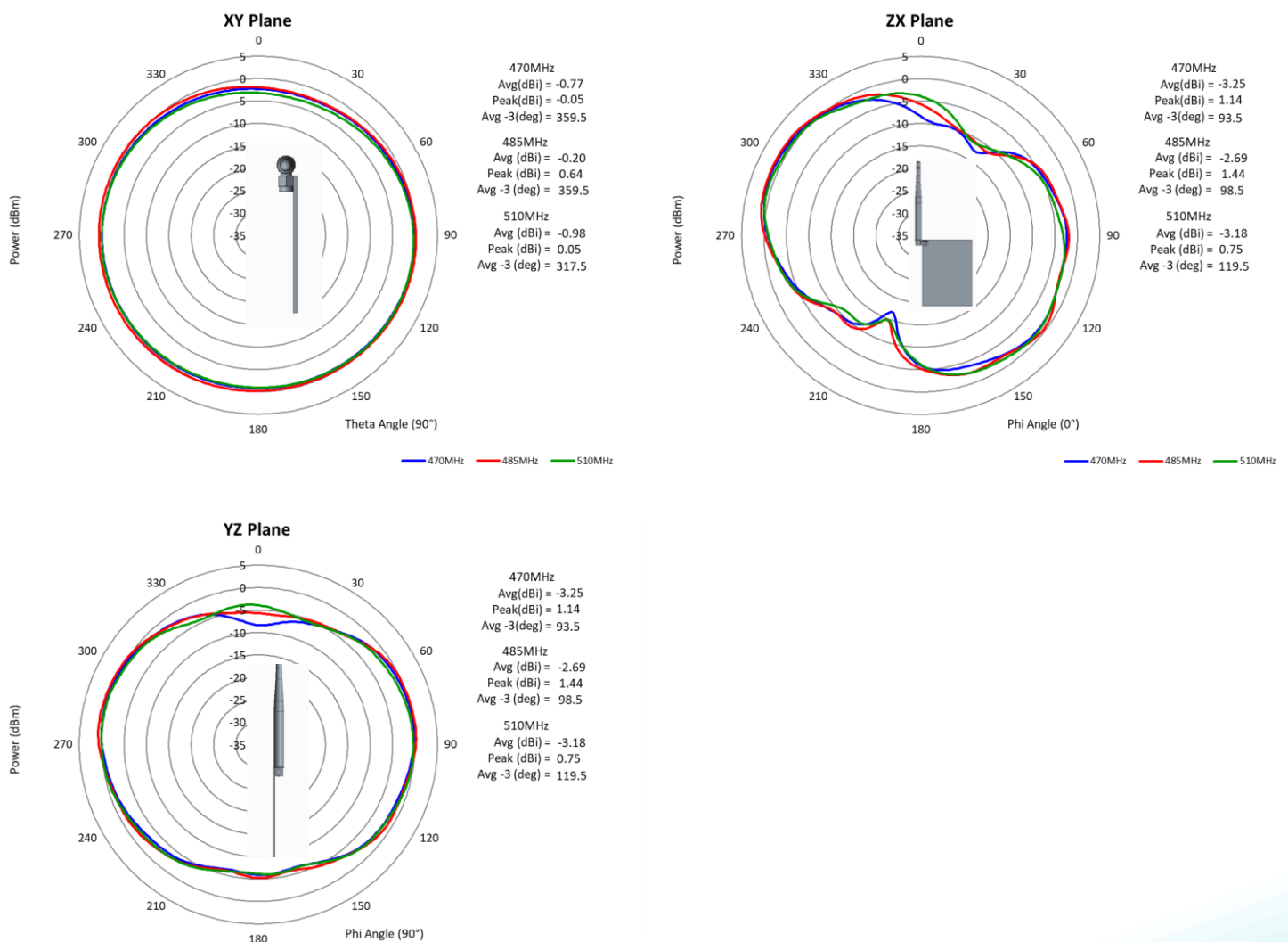
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CHARTS

Radiation Pattern 2D



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PACKAGING

20PCS / PE Bag, 800PCS / Box

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