

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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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

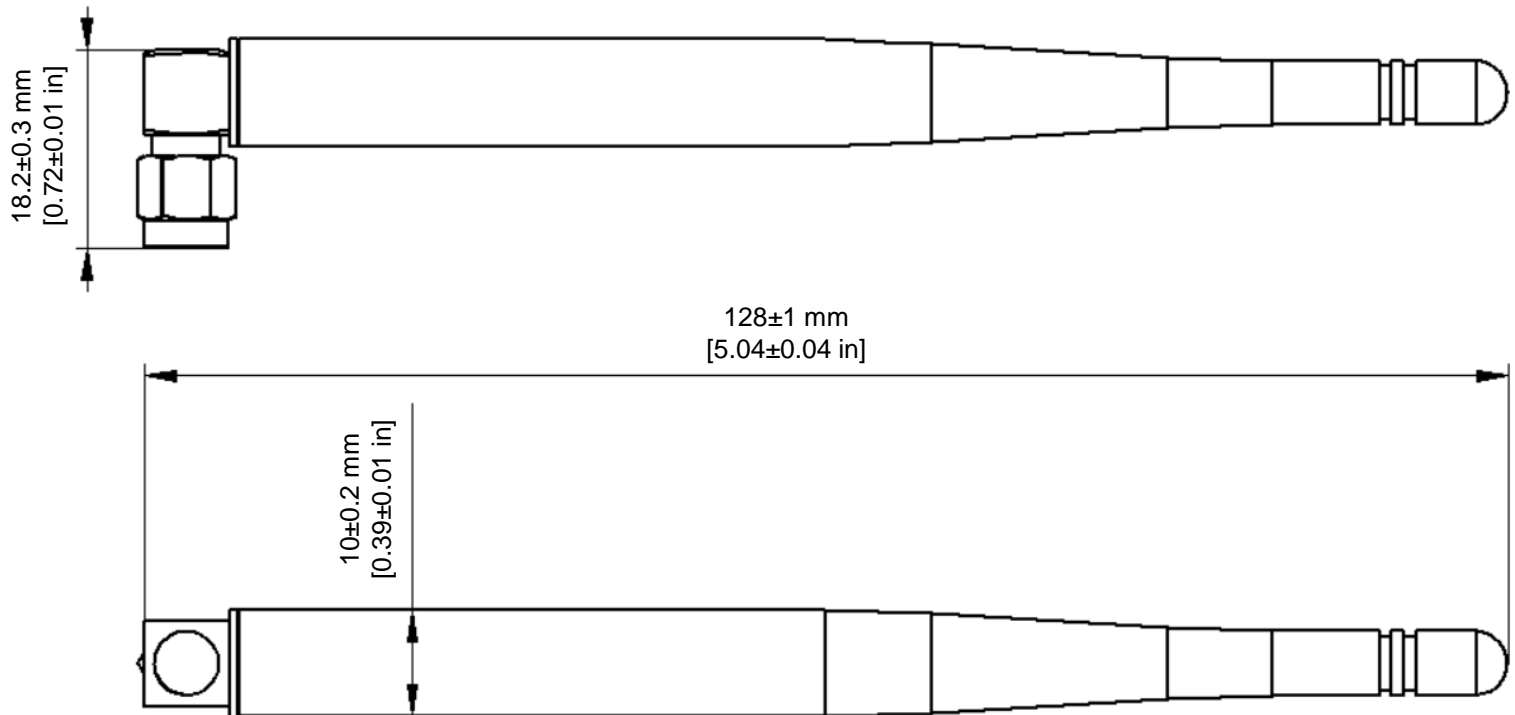
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MECHANICAL DRAWING



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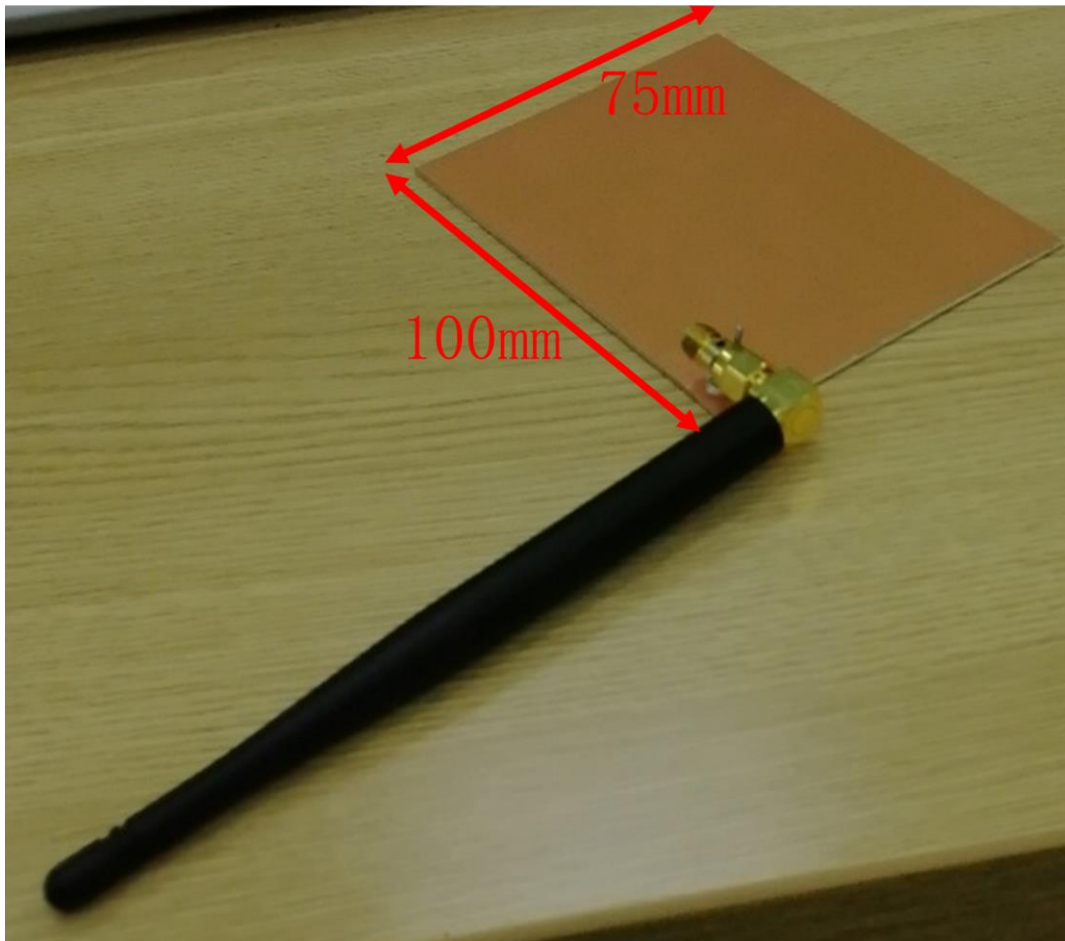
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TEST SETUP



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

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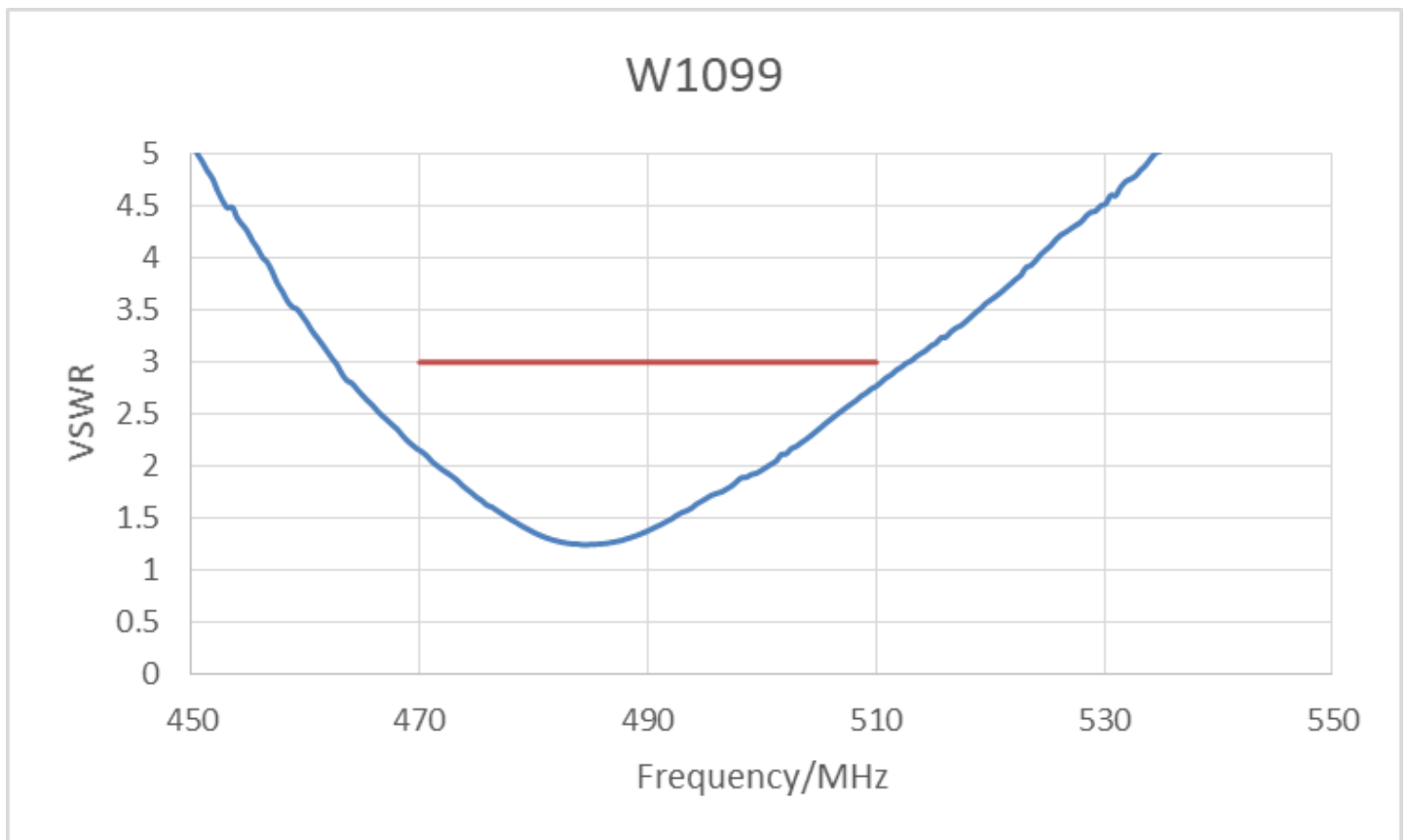
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CHARTS

VSWR vs Frequency



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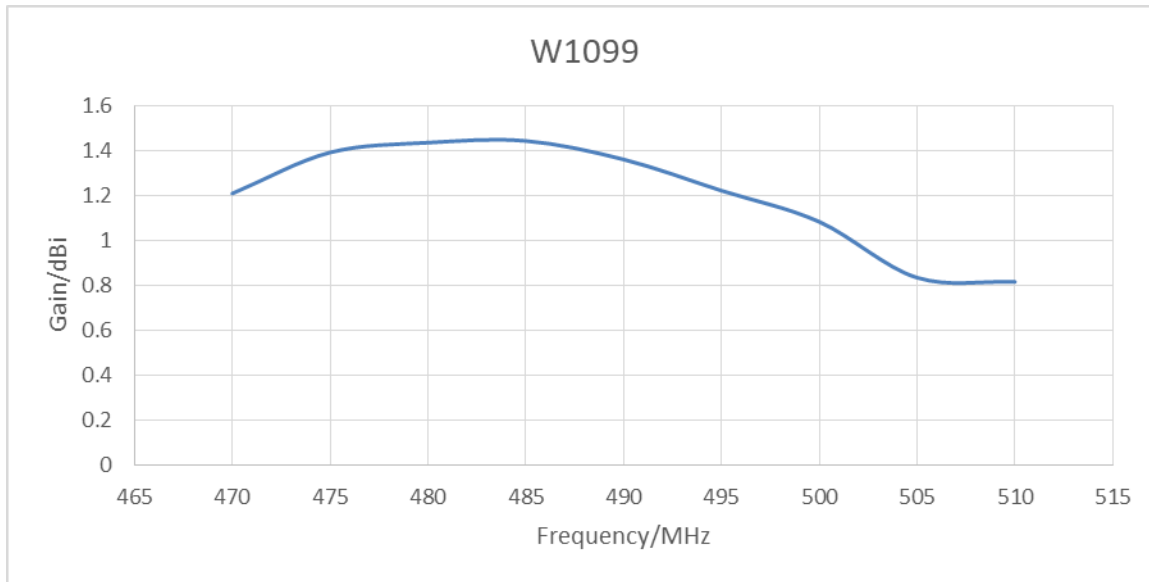
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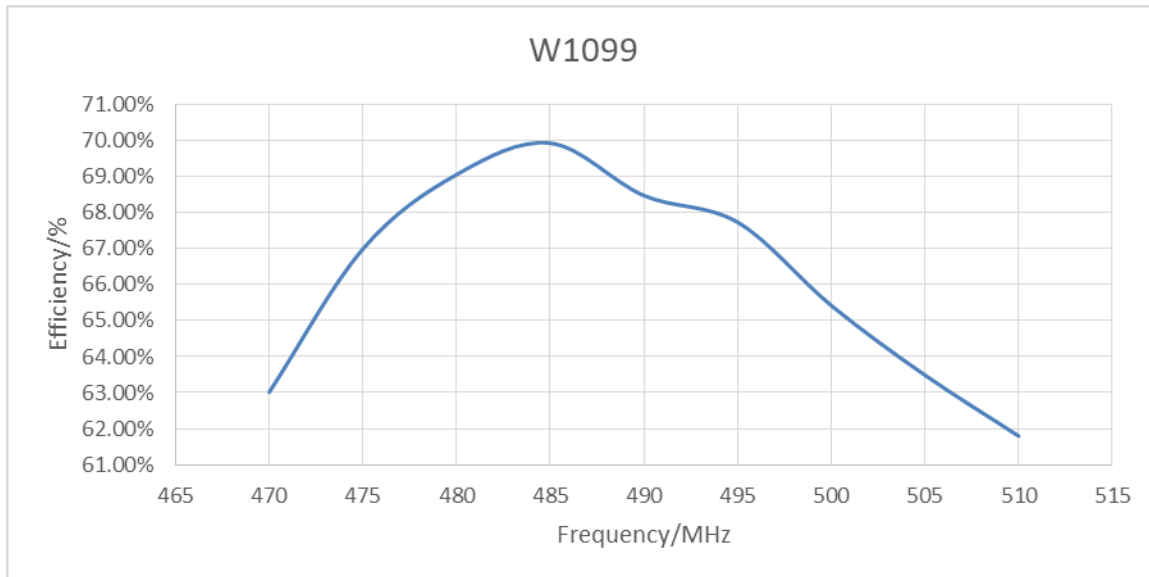
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CHARTS

Peak Gain



Radiation Efficiency



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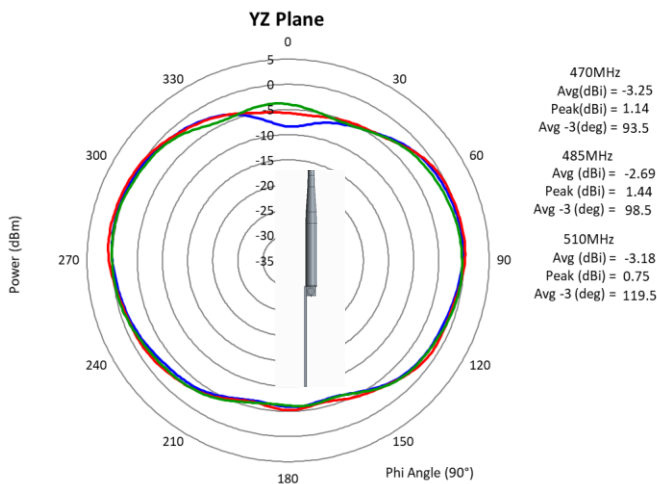
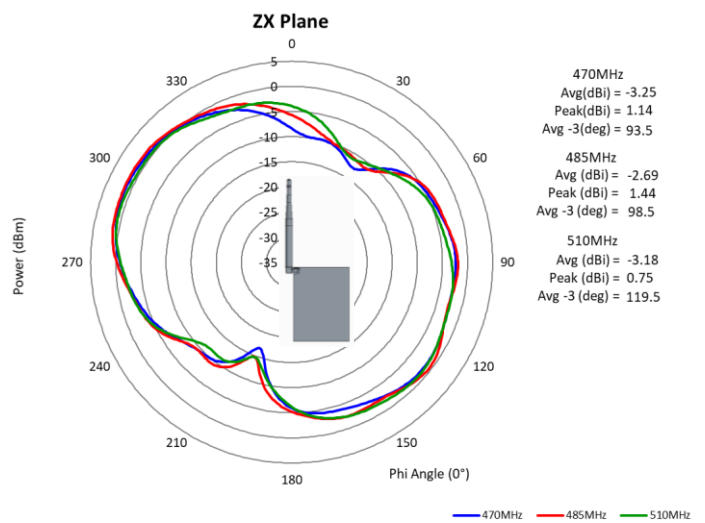
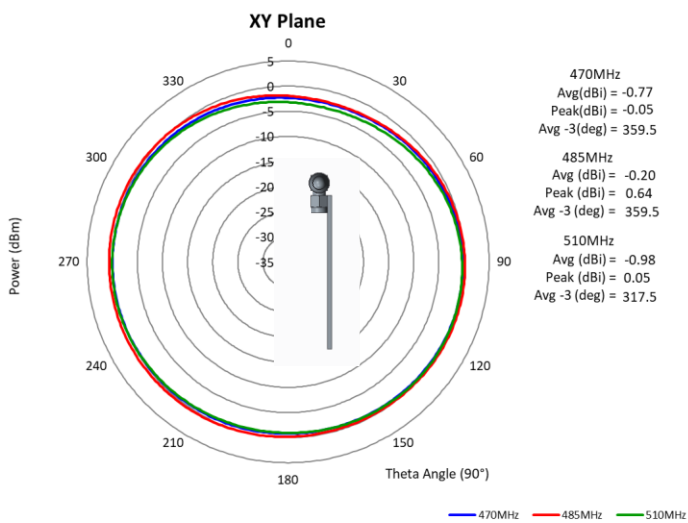
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CHARTS

Radiation Pattern 2D



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PACKAGING

20PCS / PE Bag, 800PCS / Box

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