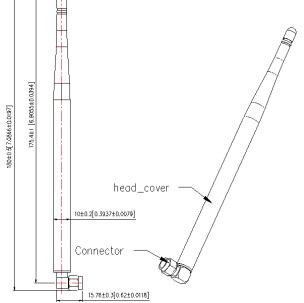


**Description:** 868-928MHz

**PART NUMBER: W5021** 

**Series: Stick Antenna** 





All dimensions are in mm / inches

# Features:

- ¼ wave dipole antenna
- Length 180mm
- Gain 2.2 dBi
- Connector Right Angle RP SMA
- High Efficiency >70%
- Power rating 1W
- IP65 rated

# **Applications:**

- ISM 868 / 915 MHz radios
- IoT, M2M
- Industry automation
- · Remote controls
- · Toys, Consumer electronics

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

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Description: 868-928MHz

**Series: Stick Antenna** 

**PART NUMBER: W5021** 

ELECTRICAL SPECIFICATIONS		
Frequency	868-928	MHz
Nominal Impedance	50	$\Omega$
VSWR	2	Max
Average efficiency	70	%
Peak Gain	2.2	dBi +/- 1 dB
Polarization:	Vertical	
Power withstanding	1	W
Connector type	RP-SMA	



Description: 868-928MHz

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# **MECHANICAL SPECIFICATIONS**

Plastic radome TPEE

Color Black

Ingress Protection IP65

Weight 22.8 g

Overall Length 180mm/7.09Inches

# **ENVIRONMENTAL SPECIFICATIONS**

Operating temperature

-40/+85° C



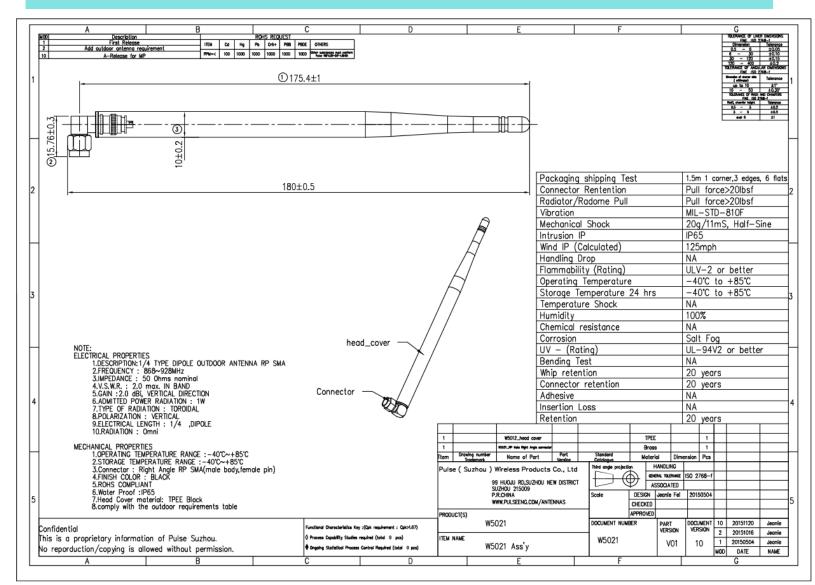


**Description:** 868-928MHz

**Series: Stick Antenna** 

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# **MECHANICAL DRAWING**





Description: 868-928MHz

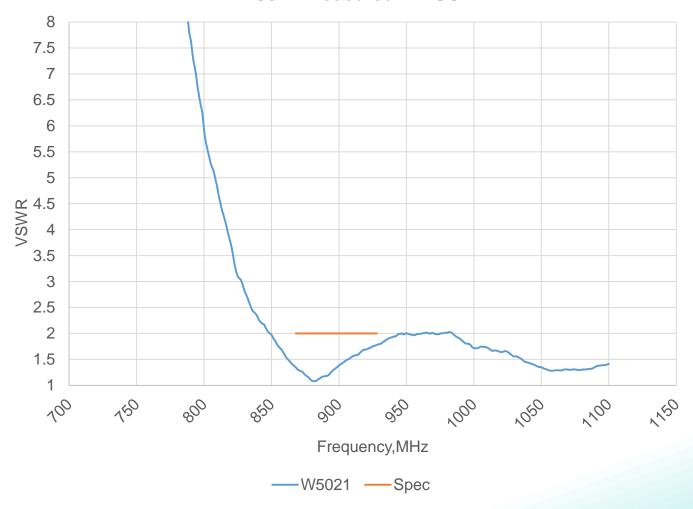
Series: Stick Antenna

**PART NUMBER: W5021** 

# **CHARTS**

# **VSWR**

# VSWR vs Frequency measured in free space W5021 measured in PSU



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ROHS



Description: 868-928MHz

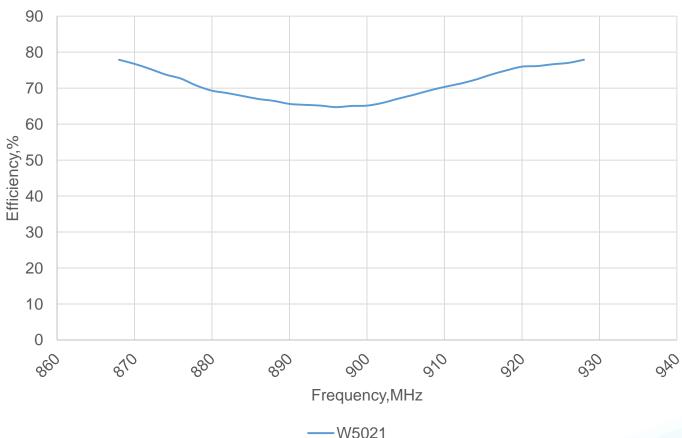
**Series: Stick Antenna** 

PART NUMBER: W5021

# **CHARTS**

# Efficiency

# Efficiency vs Frequency measured in free space W5021 measured in PSU









**Series: Stick Antenna** 

#### **TECHNICAL DATA SHEET**

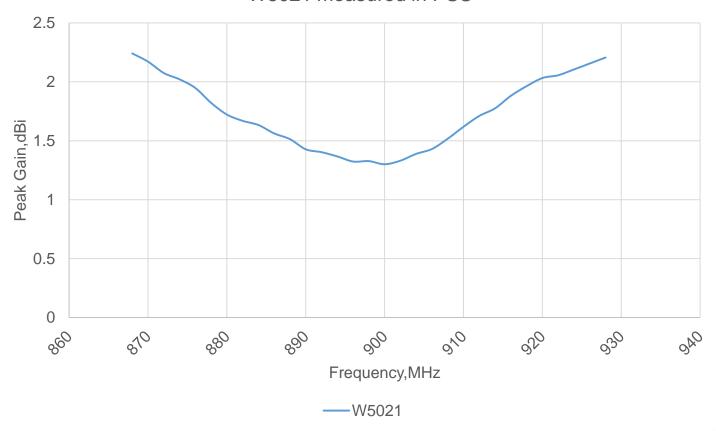
Description: 868-928MHz

**PART NUMBER: W5021** 

**CHARTS** 

# Peak Gain

# Peak Gain vs Frequency measured in free space W5021 measured in PSU



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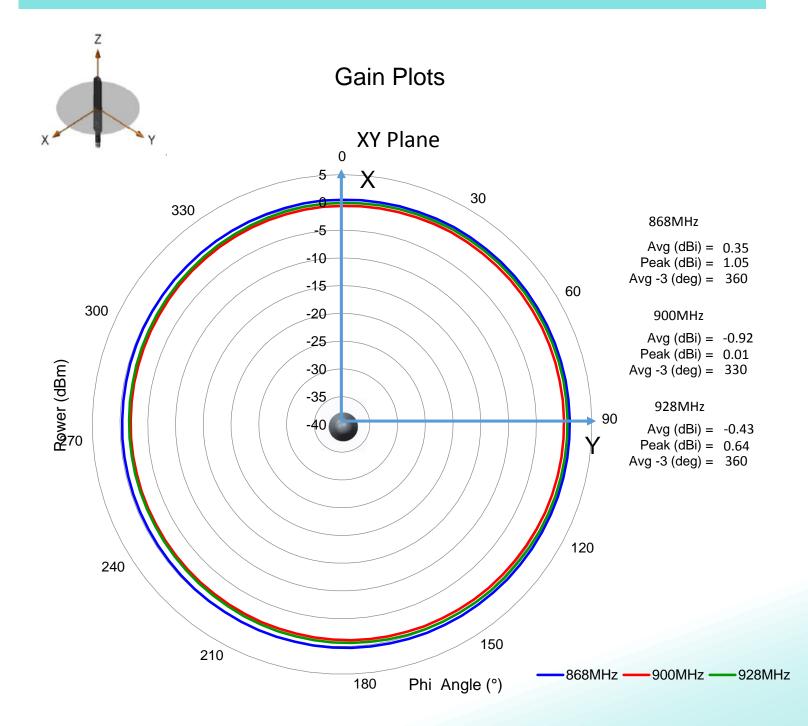


Description: 868-928MHz

**Series: Stick Antenna** 

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# **CHARTS**



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ROHS

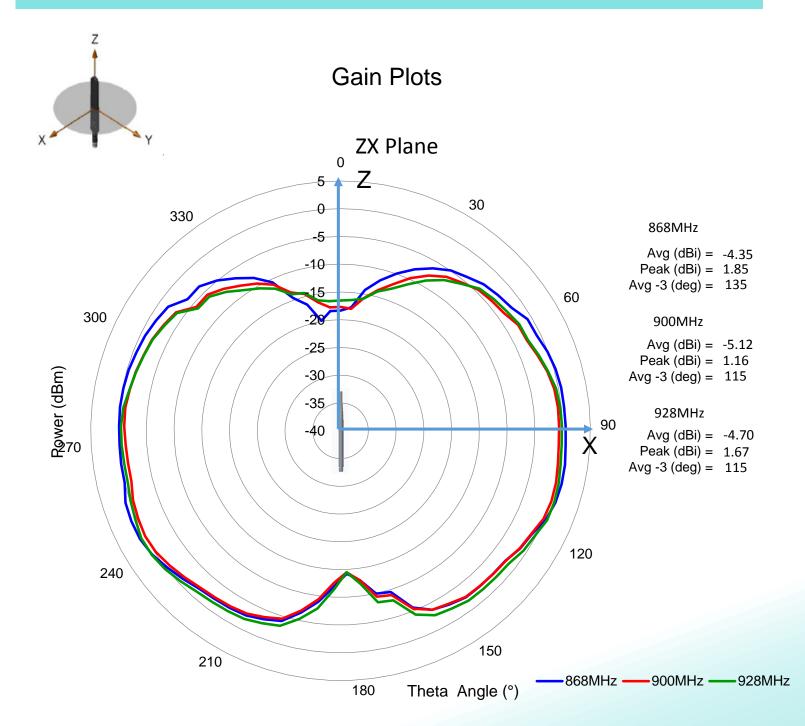


Description: 868-928MHz

**Series: Stick Antenna** 

PART NUMBER: W5021

# **CHARTS**



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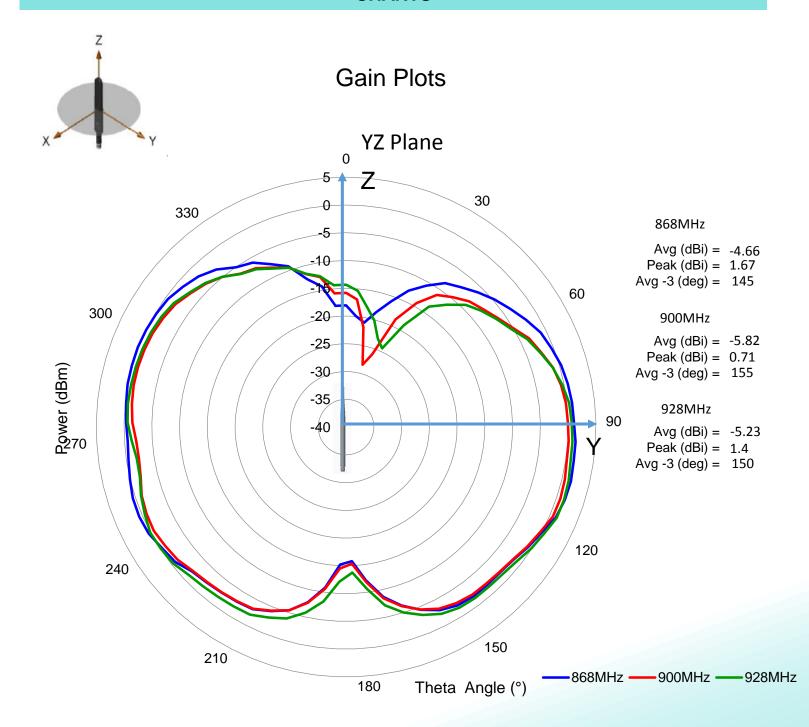


Description: 868-928MHz

**Series: Stick Antenna** 

**PART NUMBER: W5021** 

## **CHARTS**



Issue: 1637

ROHS



Description: 868-928MHz

Series: Stick Antenna

**PART NUMBER: W5021** 

# **PACKAGING**

600PCS/Carton box

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