

**Description: 1/2 WAVE END FED** 

PART NUMBER: SPEN14918HD

**Series: Portables** 



## Features:

- 890 960 MHz
- Omnidirectional antenna
- Gain 1 dBi
- Polarization Vertical
- Connector M7 X 1.00
- Length 155.7 mm
- IP67

## **Applications:**

- 890-960 Portable radios
- Handheld radios
- Public safety
- First responders
- RoHS Compliant

Issue:1712

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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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,4<sup>th</sup> Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998



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### **ELECTRICAL SPECIFICATIONS**

Antenna Type Half wave, End fed

Frequency 890-960 MHz

Nominal Impedance 50  $\Omega$  VSWR 2:1

VSWR 2:1
Radiation Pattern Omni

HPBW Vertical Plane 80°

Gain 1 dBi

Efficiency 70 %

Polarization Vertical

Power Withstanding 7 W

## **MECHANICAL SPECIFICATIONS**

Overall Length 155.7 mm

Weight 22 g

Antenna Color / Material Black / TPU (TEXIN 245)

Connector type M7 X 1.00 – Flush base (MD Type)

## **ENVIRONMENTAL SPECIFICATIONS**

Operating Temperature -40 to +85° C

Ingress Protection IP67
RoHS Compliant Yes

## **OTHER SPECIFICATIONS**



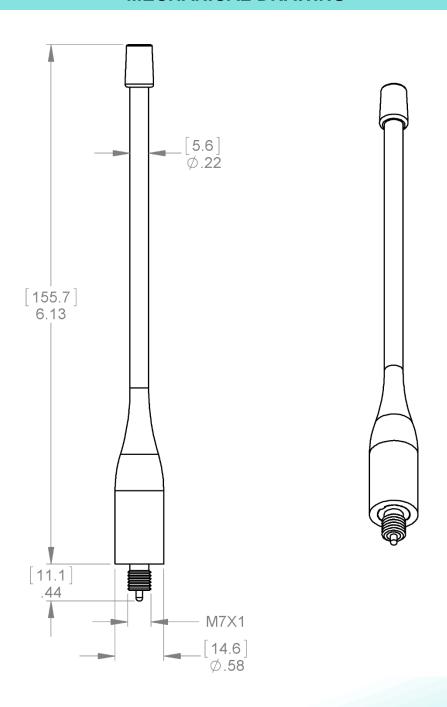


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## **MECHANICAL DRAWING**



All dimensions are in mm / inches





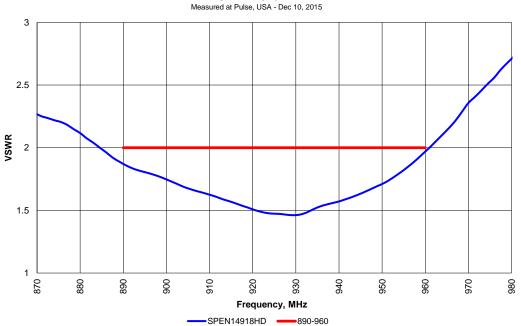
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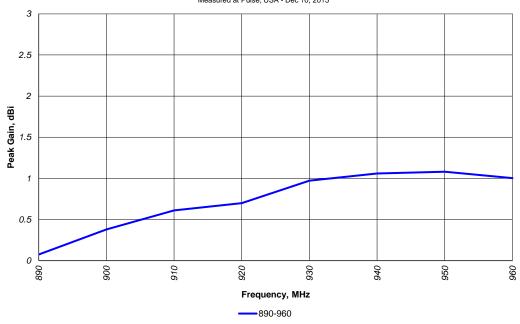
## **CHARTS**

#### **VSWR** vs Frequency SPEN14918HD



#### Peak Gain vs Frequency SPEN14918HD

Measured at Pulse, USA - Dec 10, 2015





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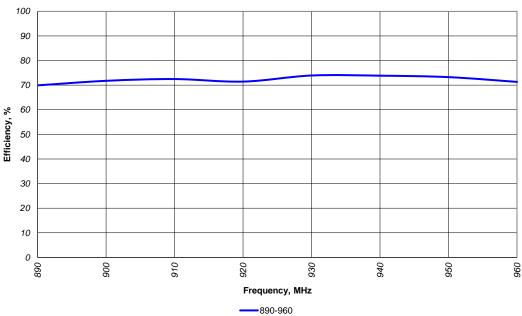
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## **CHARTS**

# Efficiency vs Frequency SPEN14918HD

Measured at Pulse, USA - Dec 10, 2015





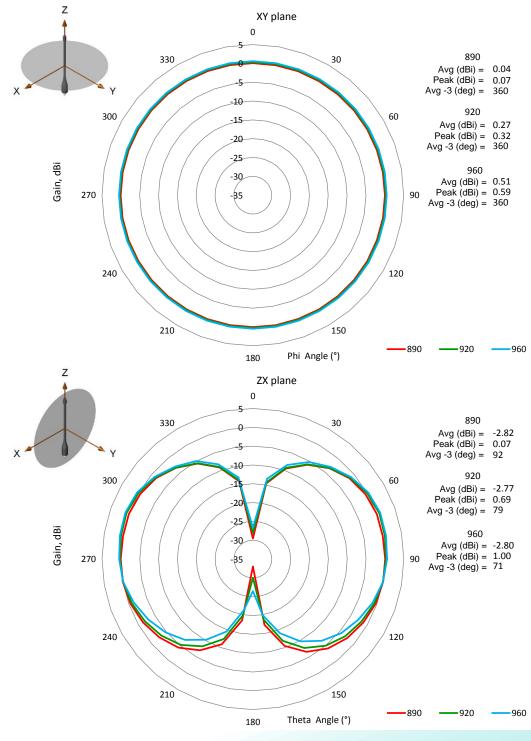


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## **CHARTS**





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