

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

PART NUMBER: W3404SMA



Features:

- Vertical mount on PCB
- Size W x L x H
 - 42.4 x 31.0 x 0.7mm
- Gain 2.2 / 4.4 dBi
- Efficiency 80 / 66 %
- RoHS compliant
- SMA male connector

Applications:

- LTE 698-960 MHz, LTE 1710-2690 MHz.
- GSM bands (GSM850, EGSM900, PCN1800, PCS1900), WCDMA band 1
- LTE Cat1M
- NBIoT

All dimensions are in mm / inches

Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

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

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

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

PART NUMBER: W3404SMA

ELECTRICAL SPECIFICATIONS

Antenna Type	Vertical mount monopole
Frequency	698-960/1710-2690 MHz
Nominal Impedance	50 Ω
Return Loss	-10 dB
Radiation Pattern	Omni
Average Total Efficiency (698-960MHz)	80%
Average Total Efficiency (1710-2690MHz)	66%
Peak Gain (698-960MHz)	2.2 dBi
Peak Gain (1710-2690 MHz)	4.4 dBi
Polarization	Linear
Power Withstanding	3W

All RF parameters measured on 70mm X 140mm evaluation board.

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

PART NUMBER: W3404SMA

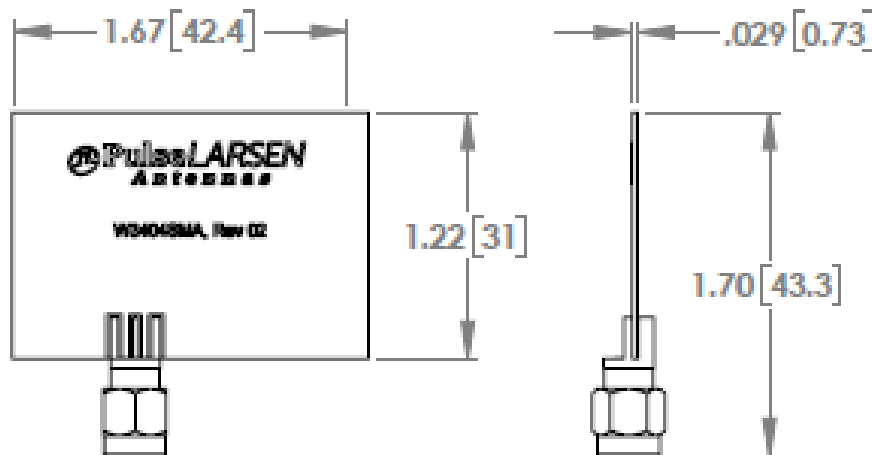
MECHANICAL SPECIFICATIONS

Overall Length	42.4 x 31.0 x 0.7mm
Antenna Color / Material	PCB black
Connector type	Edge mount SMA Plug
Weight	15g

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	40 - 85° C
Storage Temperature	5 - 23° C
RoHS Compliant	Yes

MECHANICAL DRAWING



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

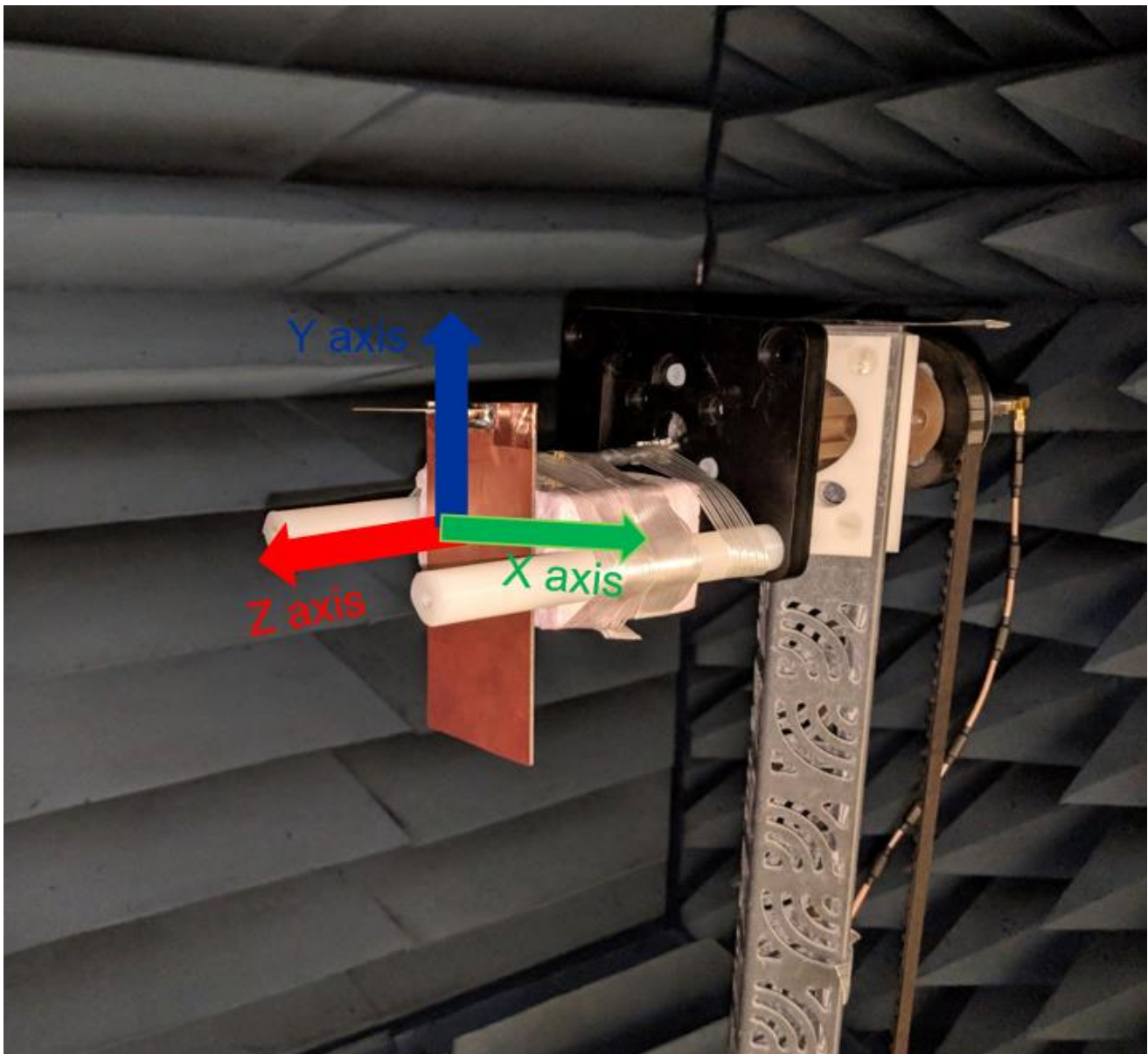
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

PART NUMBER: W3404SMA

TEST SETUP



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Downloaded From Oneyac.com

Description: Wide Band LTE Monopole Antenna

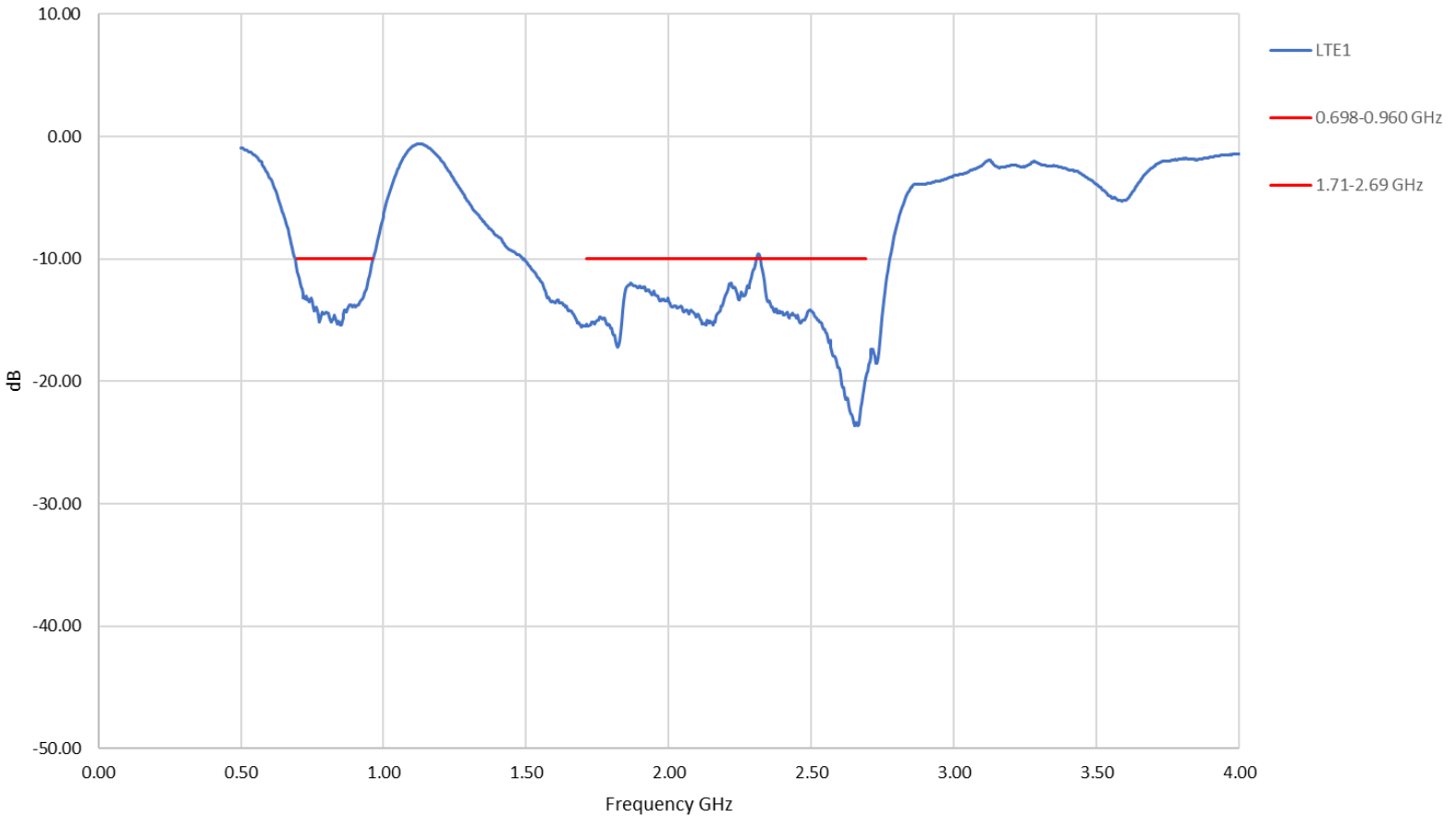
Series: Internal PCB Antenna

PART NUMBER: W3404SMA

CHARTS

Return Loss

Return Loss



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

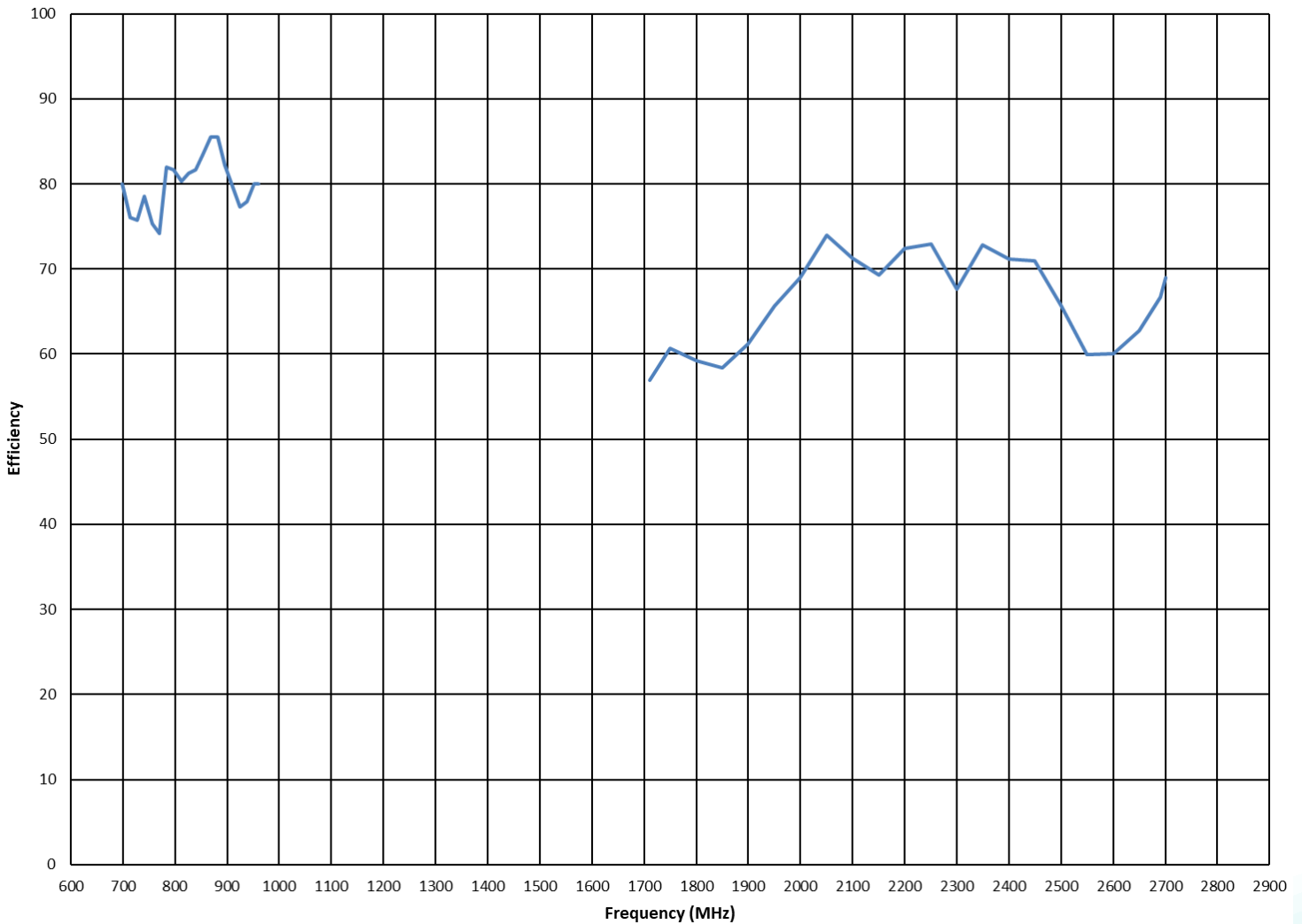
PART NUMBER: W3404SMA

CHARTS

Efficiency %

Efficiency vs. Frequency

Measured at Pulse, USA - Apr. 17, 2018



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

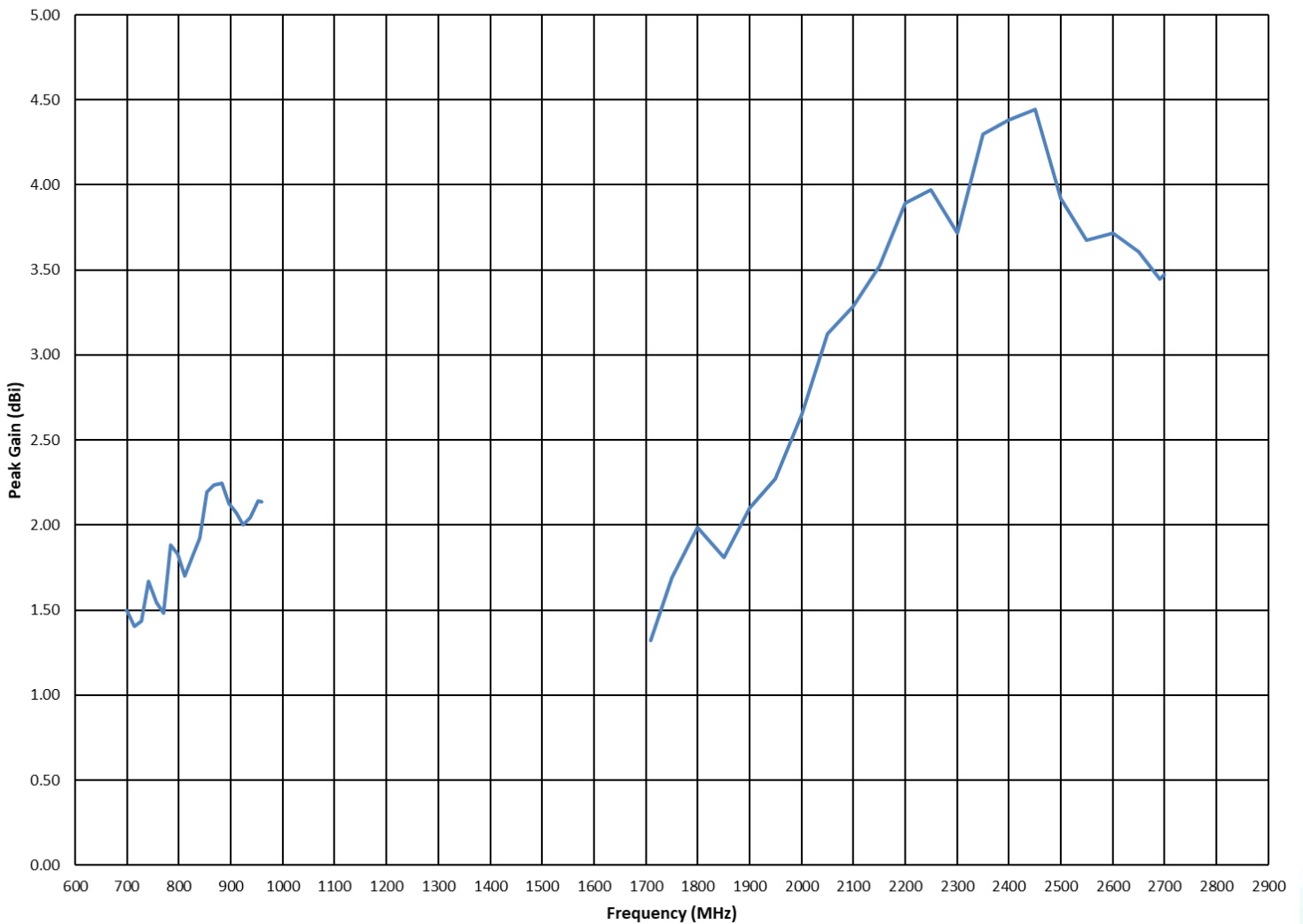
PART NUMBER: W3404SMA

CHARTS

Peak Gain

Peak Gain vs. Frequency

Measured at Pulse, USA - Apr. 17, 2018



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

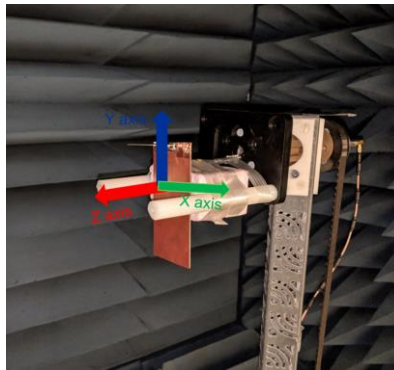
Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

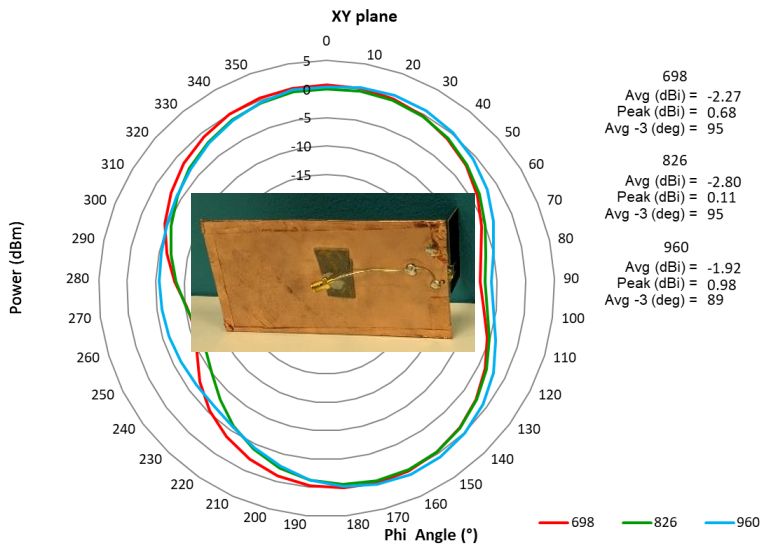
PART NUMBER: W3404SMA

CHARTS

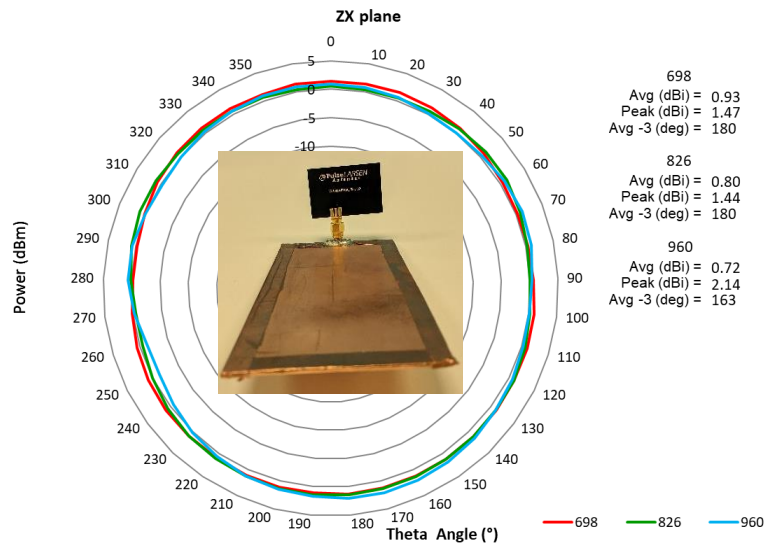
Free space radiation pattern: 698 MHz- 960 MHz



Horizontal Plane



Elevation Plane



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

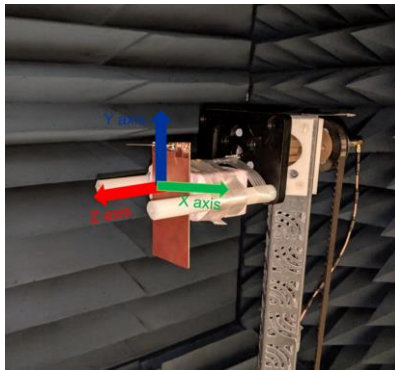
Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

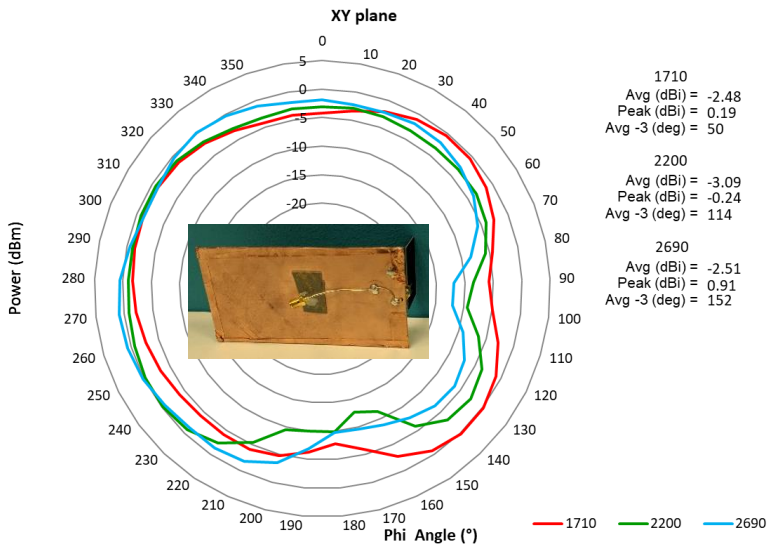
PART NUMBER: W3404SMA

CHARTS

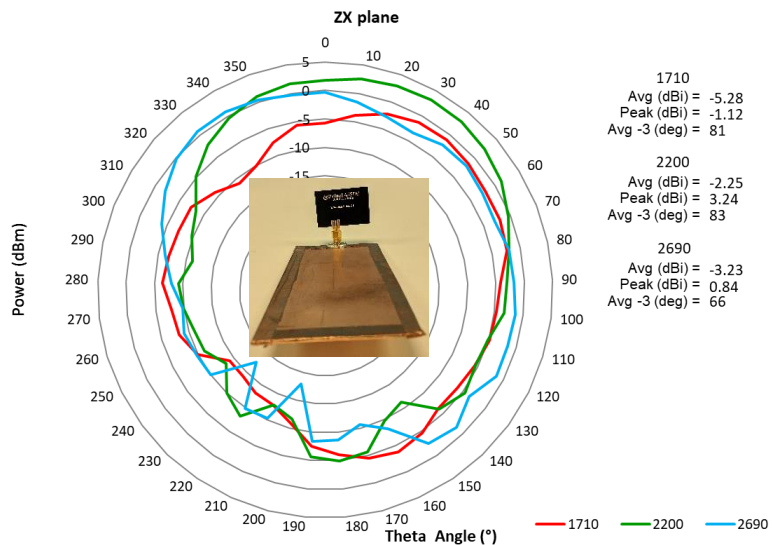
Free space radiation pattern: 1710 MHz- 2690 MHz



Horizontal Plane



Elevation Plane



Issue: 1924

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything it may describe. Reproduction, disclosure or use without specific written authorization of Pulse is strictly forbidden.

Description: Wide Band LTE Monopole Antenna

Series: Internal PCB Antenna

PART NUMBER: W3404SMA

PACKAGING

Per package tray 24pcs product
Per carton box 19pcs tray + 1pcs extra empty tray
Total: 456 pcs product
Big box dimensions (MM): 285x375x200MM

单击下面可查看定价，库存，交付和生命周期等信息

[>>Pulse\(普思\)](#)