

Pulse Part Number SPDA24700/2700



Pulse is proud to announce the SPDA24700/2700 which provides a 4G swivel blade antenna for access points, routers and small base station applications. The SPDA24700/2700 covers the LTE frequency ranges of 698-960/1710-2170/2500-2700 MHz providing omnidirectional radiation with a gain of 2 dBi.

The blade package is a right angle swivel provided in black plastic with dimensions of .94" x 7.72" (23.8 mm x 196 mm) in the right angle position. It is supplied with an SMA Male connector. Other connectors are available on request, so contact Pulse for further information

#### Features

- 4G Swivel Blade Antenna
- Performance across the LTE frequency bands
- 698-960/1710-2170/2500-2700 MHz
- Up to 2 dBi Gain
- SMA connector
- RoHS Compliant Product

#### Applications

- 4G Router, Hub or Access point
- Small Base Station
- Femto Cell
- SOHO

P/N	Connector
SPDA24700/2700	SMA Male

**CONFIDENTIAL AND PROPRIETARY INFORMATION**  
©2003-2009 Pulse Electronics, Inc. (Unpublished)  
All Rights Reserved.

*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.*

# LTE Dipole

Pulse Part Number SPDA24700/2700

## Electrical Specifications

Frequency [MHz]	698-960/1710-2170/ 2500-2700
Nominal Impedance [ $\Omega$ ]	50
VSWR	2.5:1
Gain [dBi]	0 Min-2 Max
Polarization	Linear Vertical
Radiation Pattern	Omni
Power Rating [W]	3

## Environmental Specifications

Operating Temperature [ $^{\circ}$ C]	-30 to +70
Storage Temperature [ $^{\circ}$ C]	-40 to +85

## Mechanical Specifications

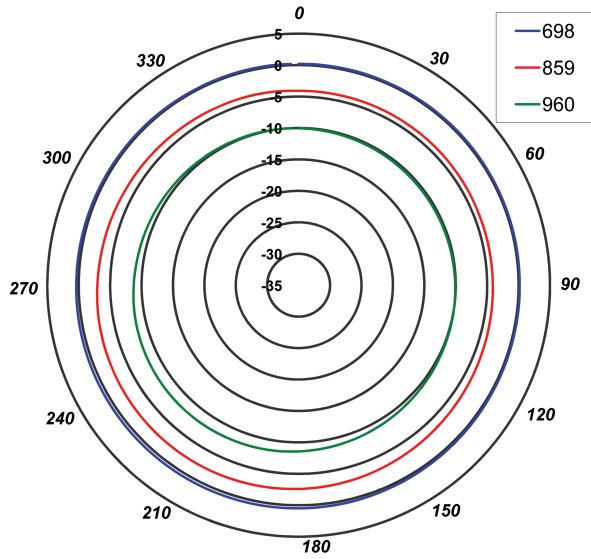
Radome Material	PC/ABS
Color	Black
Weight [oz/g]	1.66 / 47
Dimensions [In/mm]	9 / 228
Flamability Rating	UL94 V-0

# LTE Dipole

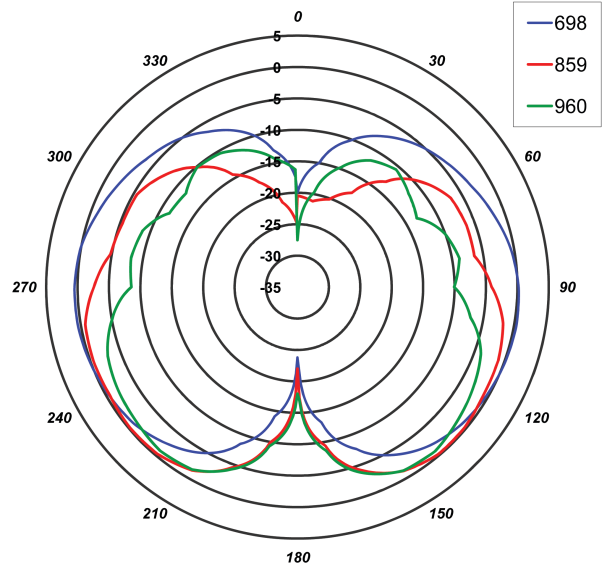
Pulse Part Number SPDA24700/2700

## Radiation Patterns

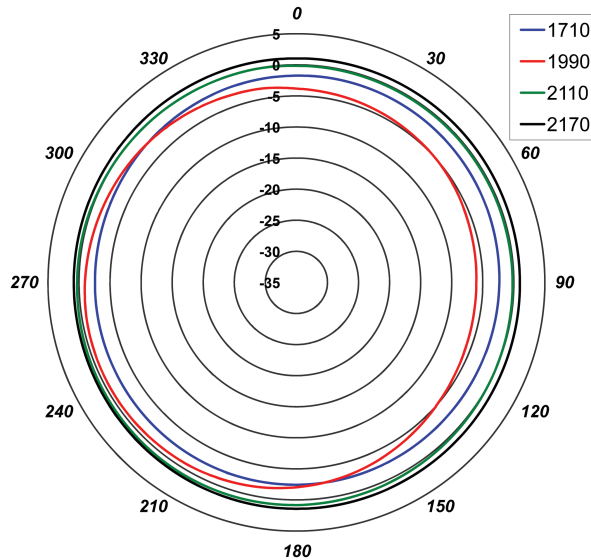
Horizontal Plane (698-960 MHz)



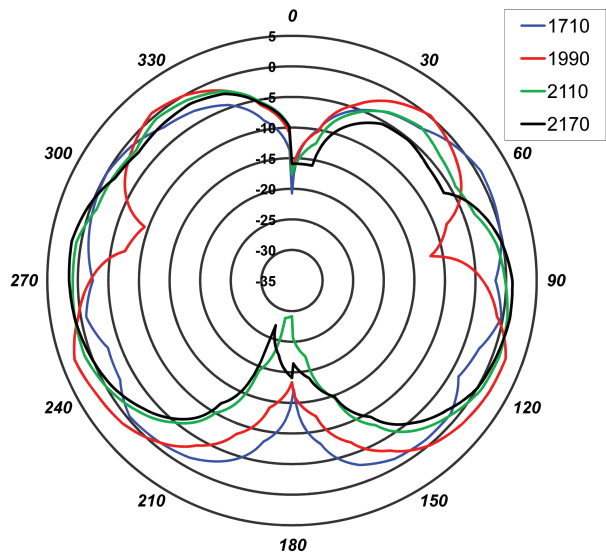
Vertical Plane (698-960 MHz)



Horizontal Plane (1710-2170 MHz)



Vertical Plane (1710-2170 MHz)



## For More Information

**Pulse Worldwide Headquarters**  
12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.

**Larsen Brand Antennas**  
3611 NE 112th Avenue  
Vancouver, WA 98682  
USA

**Europe Headquarters**  
Pulse GmbH & Co. KG  
Zeppelinstrasse 15  
Herrenberg  
Germany

**Asia Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technology Bldg,  
10th Kejian Road, High-Tech Zone  
Nanshan District, Shenzhen, PR China 518057

**Pulse North Asia**  
3F, No. 198, Zhongyuan Road  
Zhongli City, Taoyuan County 320  
Taiwan R. O. C.

**Pulse (Suzhou) Wireless Products Co., Inc.**  
99 Huo Ju Road, (#29 Bldg, 4th Phase)  
Suzhou New District  
Science & Tech Industrial Park  
Jiangsu Province, Suzhou 215009 PR China

Tel: 858 674 8100  
Fax: 858 674 8262

Tel: 360 944 7551  
Fax: 369 944 7556

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 135

Tel: 86 755 33966678  
Fax: 86 755 33966700

Tel: 886 3 4356768  
Fax: 886 3 4356823

Tel: 86 512 6807 9998  
Fax: 86 512 6809 8023

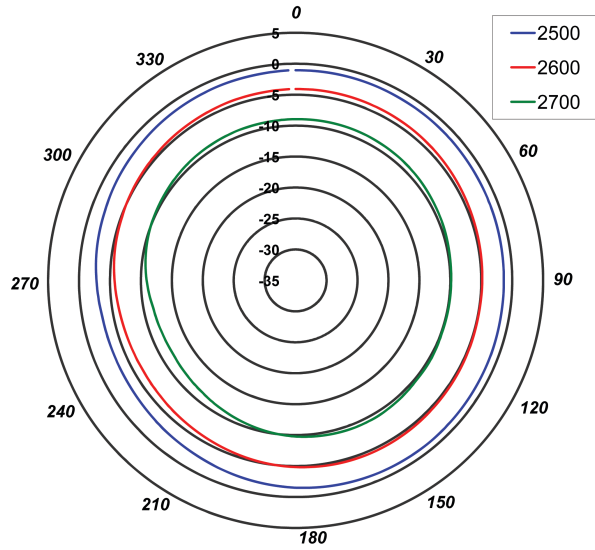
Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2010, Pulse Electronics, Inc. All rights reserved.

# LTE Dipole

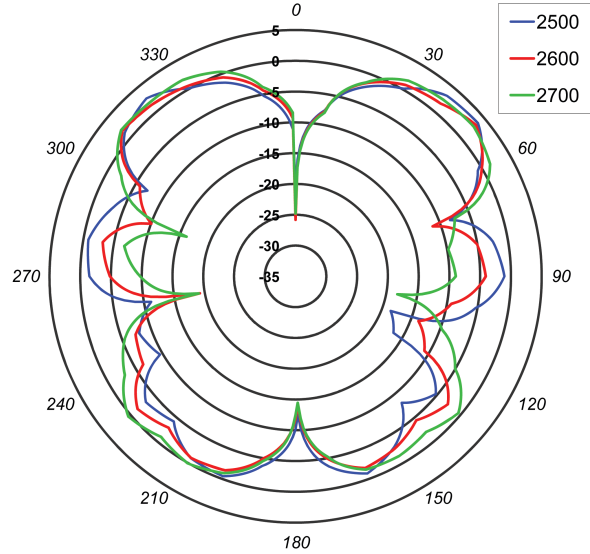
Pulse Part Number SPDA24700/2700

## Radiation Patterns

Horizontal Plane (2500-2700 MHz)



Vertical Plane (2500-2700 MHz)



## For More Information

**Pulse Worldwide Headquarters**  
12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.

**Larsen Brand Antennas**  
3611 NE 112th Avenue  
Vancouver, WA 98682  
USA

**Europe Headquarters**  
Pulse GmbH & Co. KG  
Zeppelinstrasse 15  
Herrenberg  
Germany

**Asia Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technology Bldg,  
10th Kejian Road, High-Tech Zone  
Nanshan District, Shenzhen, PR China 518057

**Pulse North Asia**  
3F, No. 198, Zhongyuan Road  
Zhongli City, Taoyuan County 320  
Taiwan R. O. C.

**Pulse (Suzhou) Wireless Products Co., Inc.**  
99 Huo Ju Road, (#29 Bldg, 4th Phase)  
Suzhou New District  
Science & Tech Industrial Park  
Jiangsu Province, Suzhou 215009 PR China

Tel: 858 674 8100  
Fax: 858 674 8262

Tel: 360 944 7551  
Fax: 369 944 7556

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 135

Tel: 86 755 33966678  
Fax: 86 755 33966700

Tel: 886 3 4356768  
Fax: 886 3 4356823

Tel: 86 512 6807 9998  
Fax: 86 512 6809 8023

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2010, Pulse Electronics, Inc. All rights reserved.