

Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna**Series: External Antenna****PART NUMBER: W5028TI****Features:**

- WiFi Dual-Band
- DSRC
- Multi banded 2.4/5-7GHz
- IP65
- P/N W5028TI:
 - R/A RP SMA 128.05mm

Applications:

- WiFi-6E (2.4GHz, 5-7GHz), Zigbee, BLE/BT,
- DSRC V2x communication
- Rugged Outdoor Systems
- Marine, Mining, Utility, Oil/Gas Environments
- Industrial Applications
- Metering, Security, IoT Applications
- Outdoor Networking
- Data Transmission, Access Points

Issue: 2523

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
12220 World Trade Drive
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 & Co, KG
Zeppelinstrasse 15
Herrenberg, Germany
Tel: 49 7032 7806 0

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: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

ELECTRICAL SPECIFICATIONS

Frequency	2.4-2.5GHz/5.15-7.125GHz	
Nominal Impedance	50Ω	
Return Loss		
	2.4-2.5GHz	<-10dB
	5.15-7.125GHz	<-6dB
Peak Gain		
	2.4-2.5GHz	1.5dBi +/-0.5 dB
	5.15-7.125GHz	2.2dBi +/-1dB
Radiation Pattern	Omni in Horizontal plane	
Polarization:	Vertical	
Power withstanding	1W	
Connector type		
W5028TI	Right Angle RP SMA male	

Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

MECHANICAL SPECIFICATIONS

Plastic radome	TPEE
Color	Black
IP Rate	IP65
Weight	
W5028TI	16.65g
Overall Length	
W5028TI	128.05mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-35/+80° C
Storage Temperature	-40/+85° C

Issue: 2523

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

CONFIDENTIAL AND PROPRIETARY INFORMATION

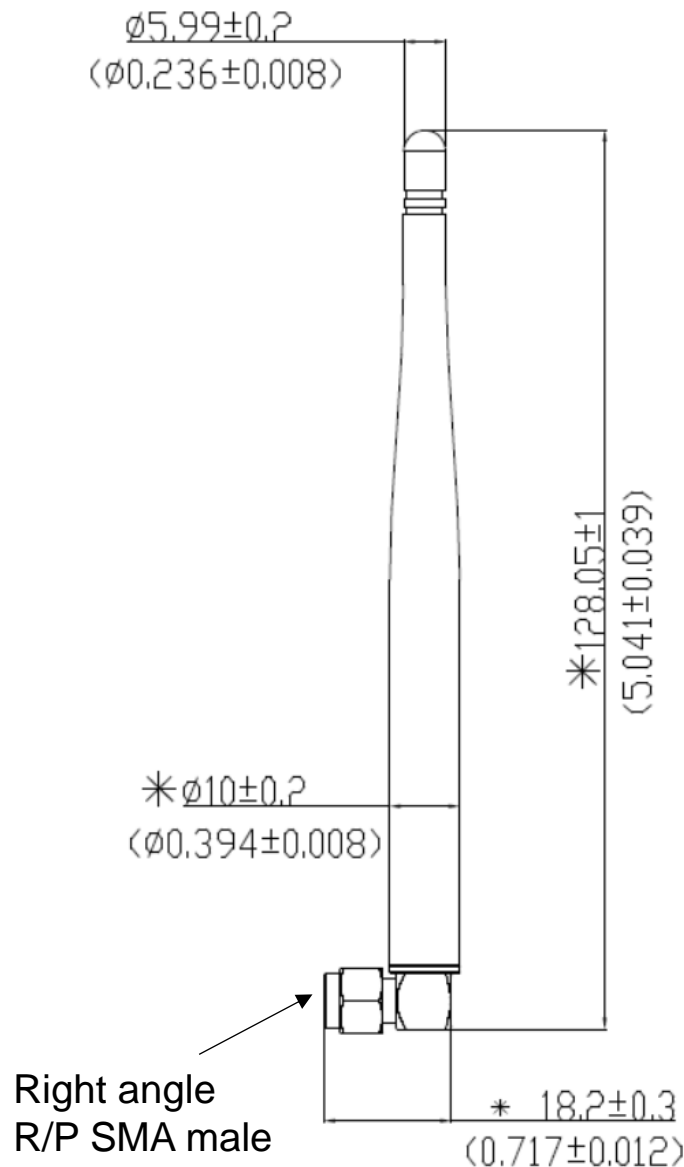
This document contains confidential and proprietary information of Pulse Electronics, Inc. (Pulse) and is protected by copyright, trade secret and other state and federal laws. Its receipt or possession does not convey any rights to reproduce, disclose its contents, or to manufacture, use or sell anything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

Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

MECHANICAL DRAWING



W5028TI

Issue: 2523

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.

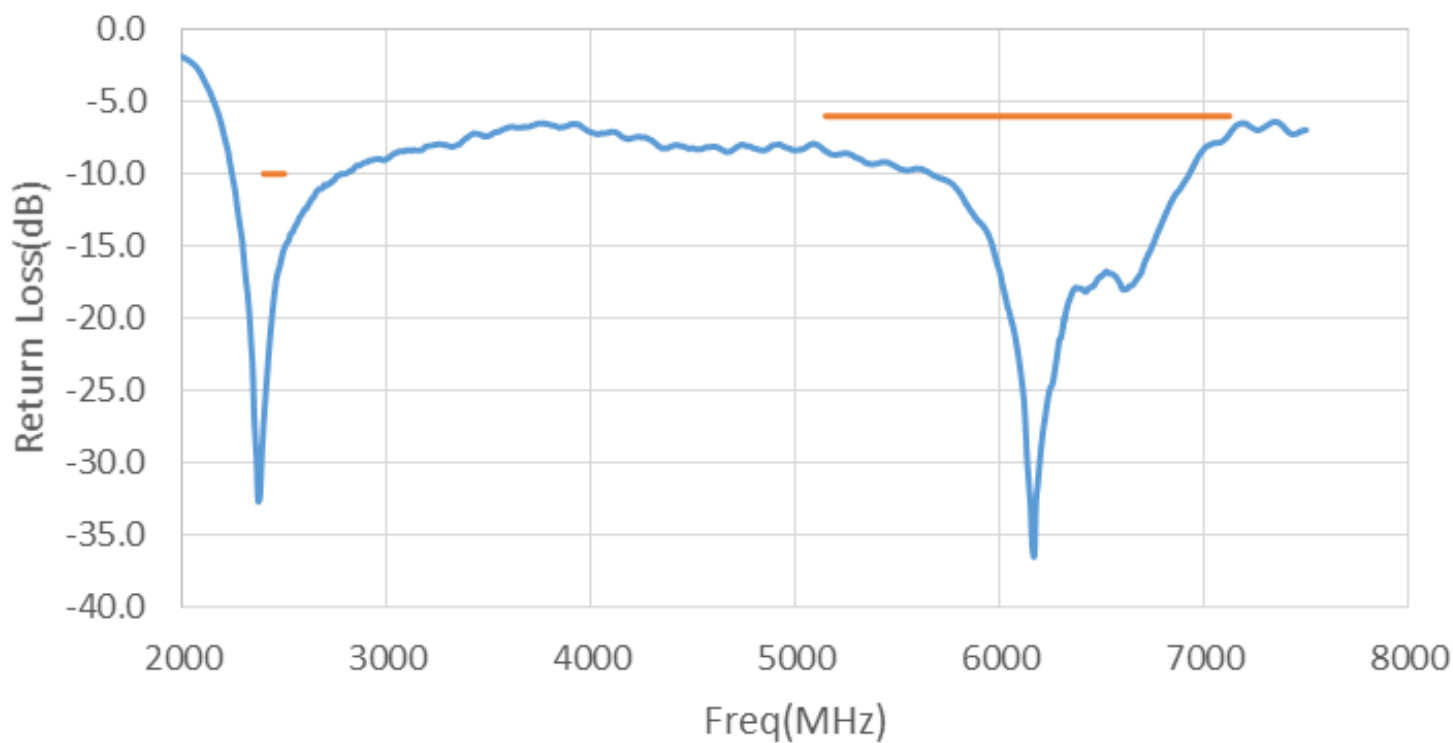
Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

CHARTS

Return Loss



Issue: 2523

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.

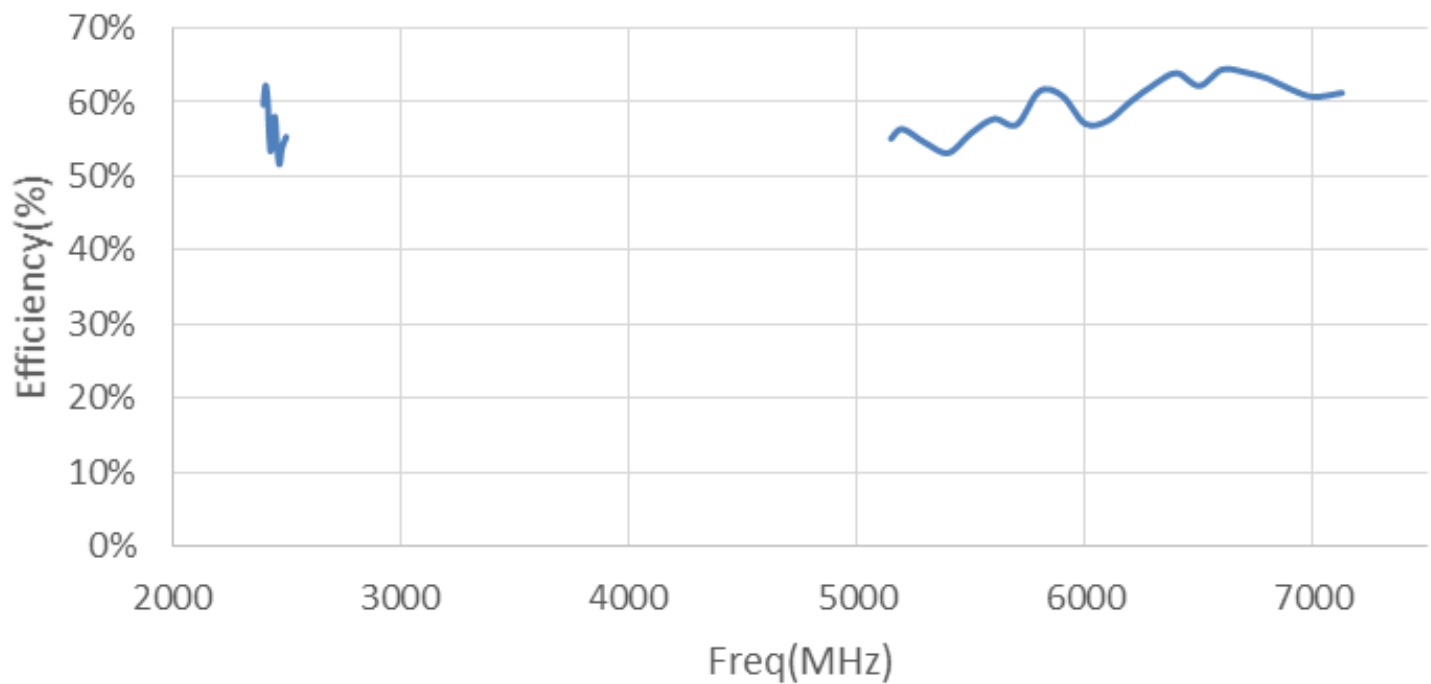
Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

CHARTS

Efficiency(%)



Issue: 2523

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.

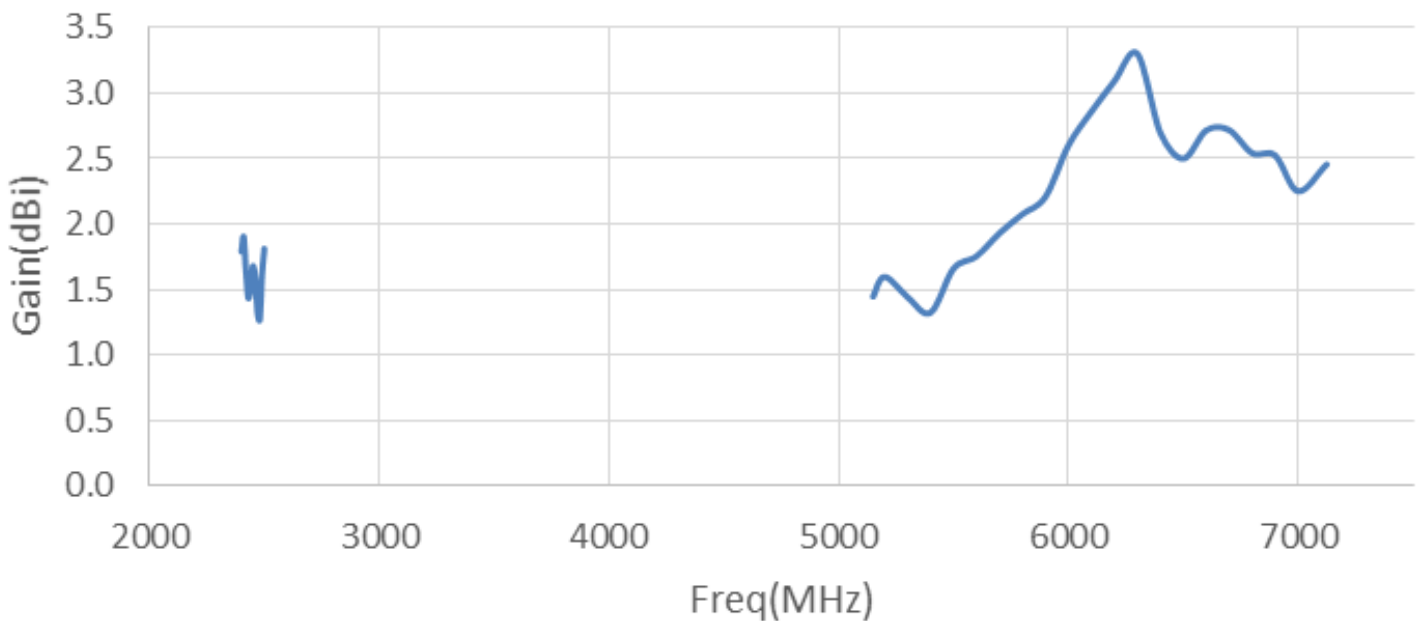
Description: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

CHARTS

Peak Gain (dBi)



Issue: 2523

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: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

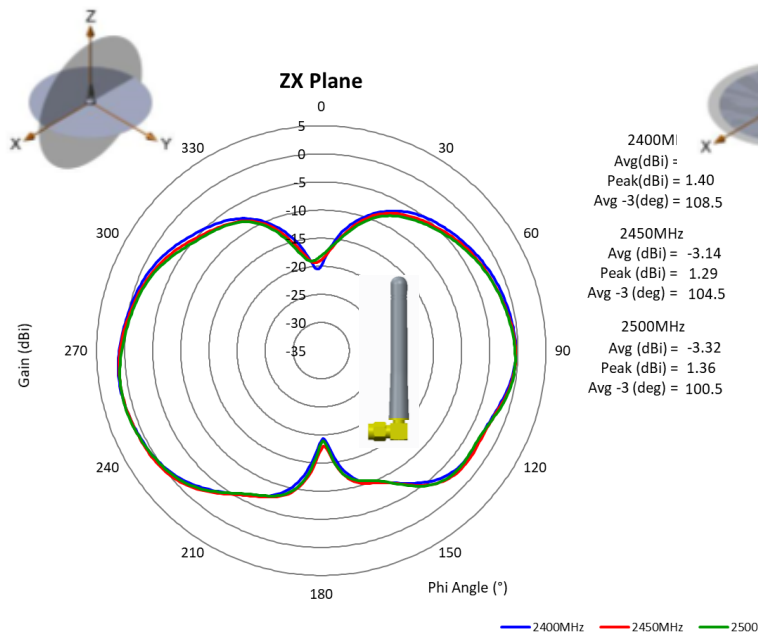
Series: External Antenna

PART NUMBER: W5028TI

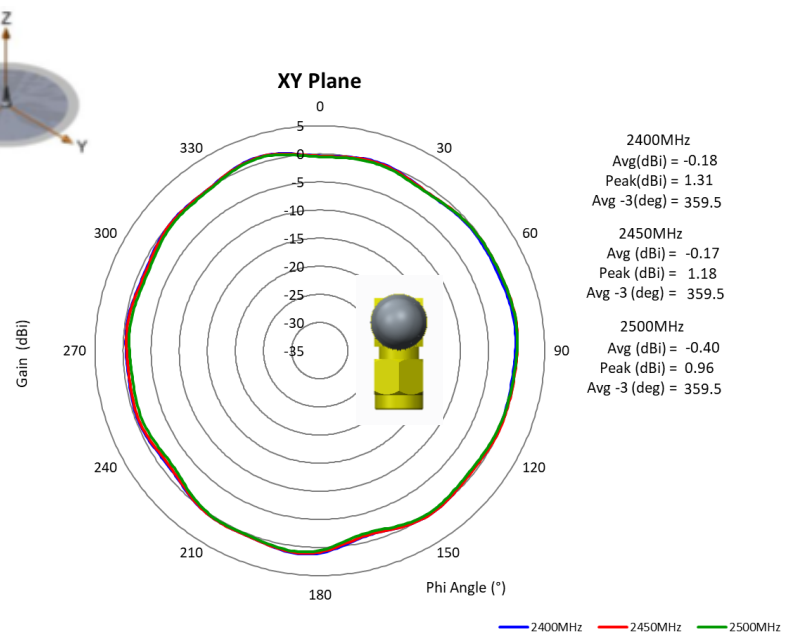
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



Issue: 2523

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: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

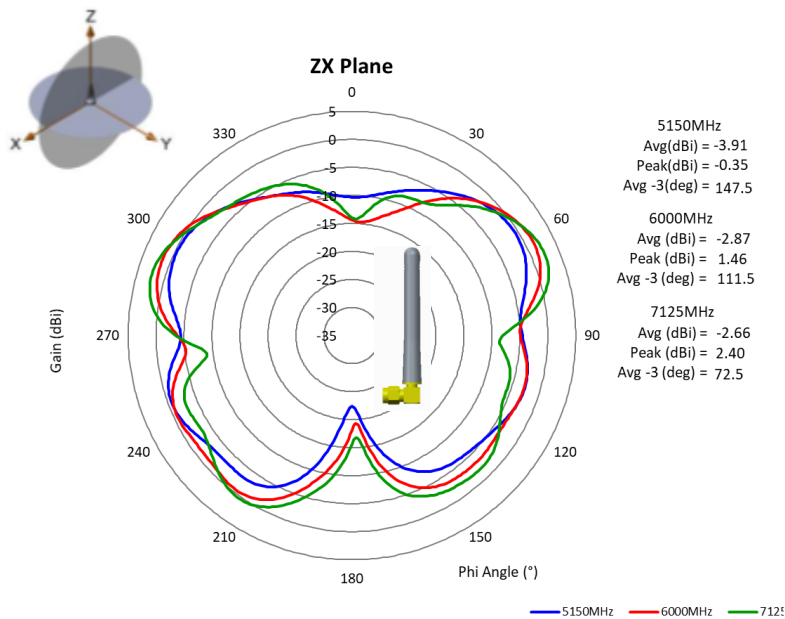
Series: External Antenna

PART NUMBER: W5028TI

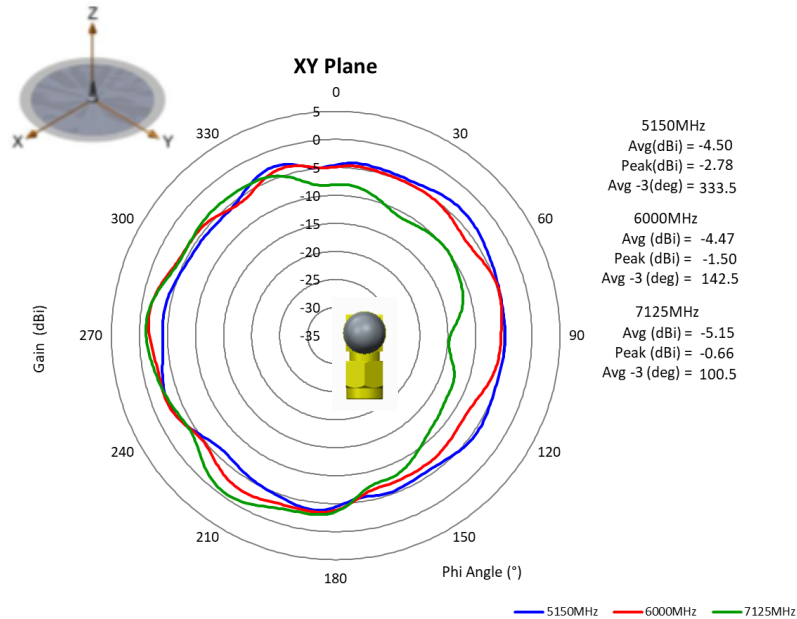
CHARTS

Free Space Radiation Pattern

Elevation Plane



Horizontal Plane



Issue: 2523

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: 2.4-2.5 / 5.15-7.125GHz Stick Antenna

Series: External Antenna

PART NUMBER: W5028TI

PACKAGING

20PCS/Bullet PE bag
30 Bullet PE bag/ Carton box
Total 600PCS antenna/ Carton box