

Features:

- 4G/5G Antenna
- 617-3900MHz
- Gain 2 dBi
- Size 115.8 x 30.4 mm
- Flexible Printed Circuit
- Foldable for tight spaces
- Adheres to plastic surface
- 1.13mm cable with U.FL
- RoHS Compliant

Applications:

- Challenging RF Environments Demanding:
 - Highest Peak Gain
 - Excellent Radiation Patterns
- Security, Video, Graphics
- IoT, SmartGrid, Meters, Remote Monitoring, Sensor Networks

All dimensions are in mm / inches

Issue: 1841

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

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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
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



Series: Gemini

Description: 617-3900MHz 4G/5G FPC
Antenna with coax feed

PART NUMBER: W3929XXXX

ELECTRICAL SPECIFICATIONS

Antenna Type	FPC Dipole
Frequency	617-960/1710-2690/3400-3900MHz
Nominal Impedance	50 Ω
Return Loss	< -6 dB
Gain	2 dBi
Efficiency	60%
Polarization	Linear
Power Withstanding	3 W

MECHANICAL SPECIFICATIONS

Overall Length	115.8mm x 30.4mm
Antenna Color / Material	BLACK FPC
Connector type	See table ,P3
Cable type	See table ,P3
Cable length	See table ,P3
Adhesive tape	3M 467

ENVIRONMENTAL SPECIFICATIONS

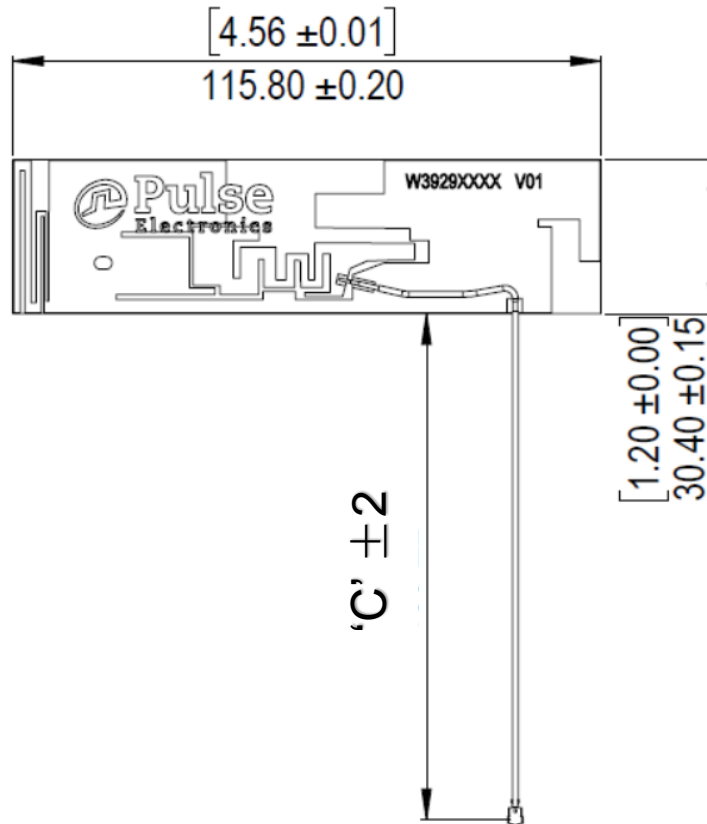
Operating Temperature	-40 to +85 ° C
Storage Temperature	-40 to +85 °
RoHS Compliant	Yes

Series: Gemini

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Antenna with coax feed

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MECHANICAL DRAWING



P.N	'C' LENGTH	CABLE TYPE	CONNECTOR TYPE
W3929B0100	100MM	AWG#32 1.13MM	Equivalent of I-PEX MHF

Issue: 1841P

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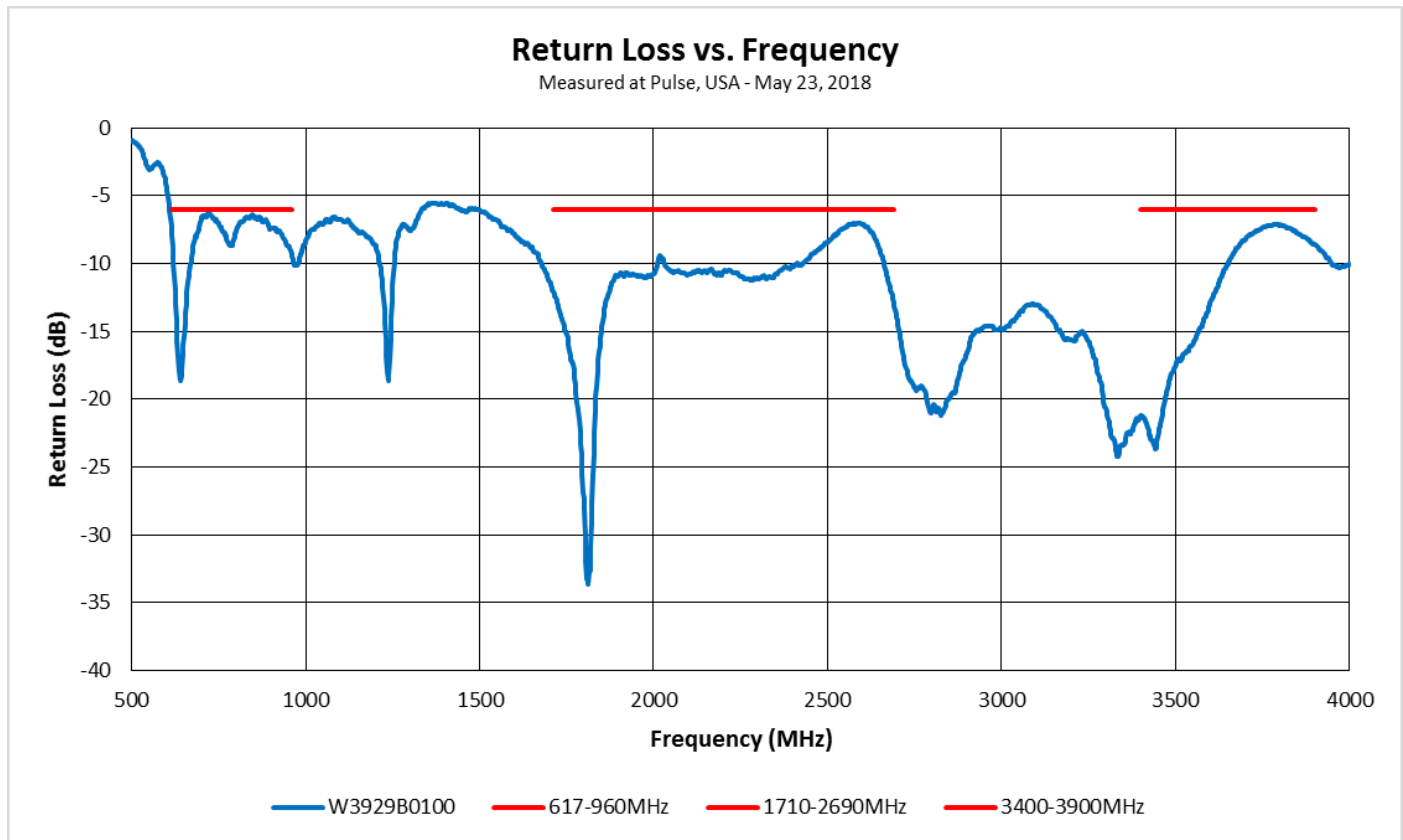
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TEST SETUP

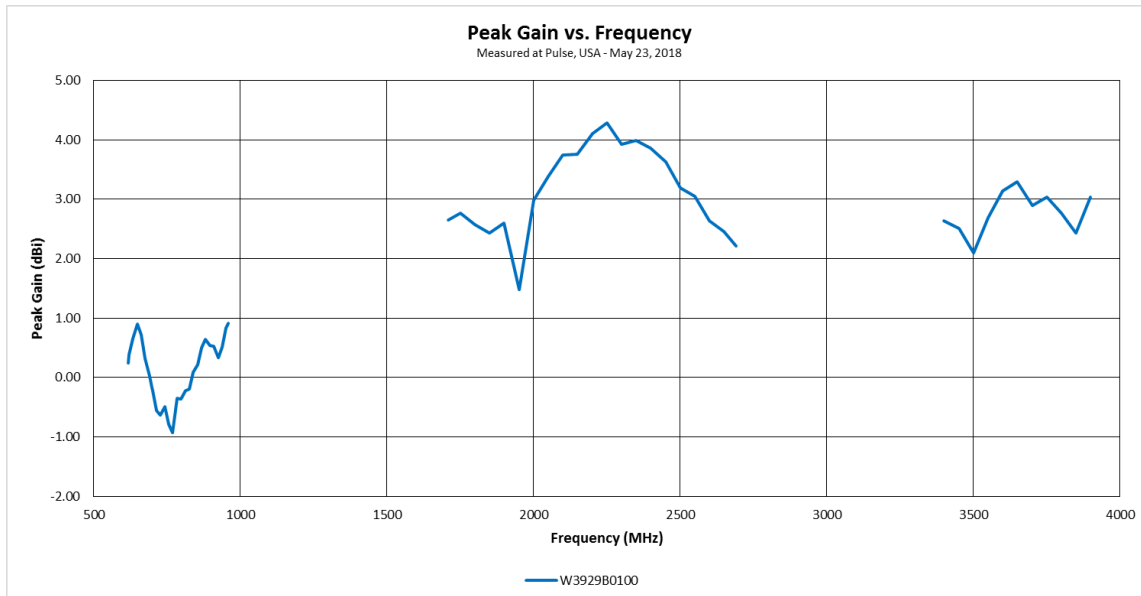
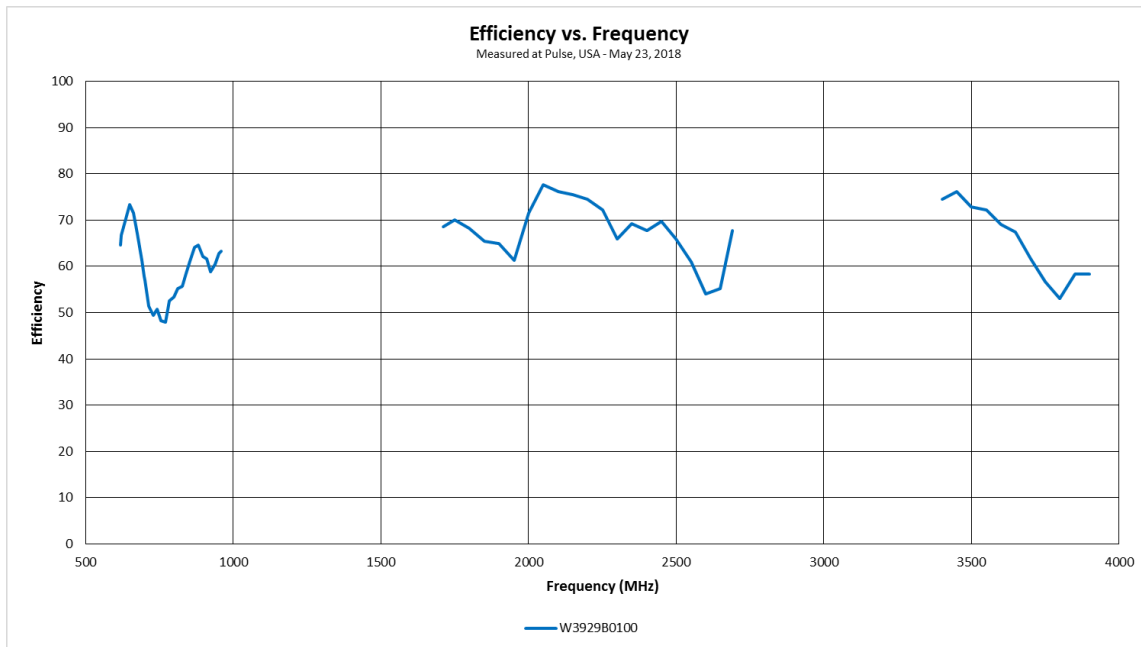


RF parameter testing is done when antenna is mounted on 2 mm thick plastic plate.

CHARTS



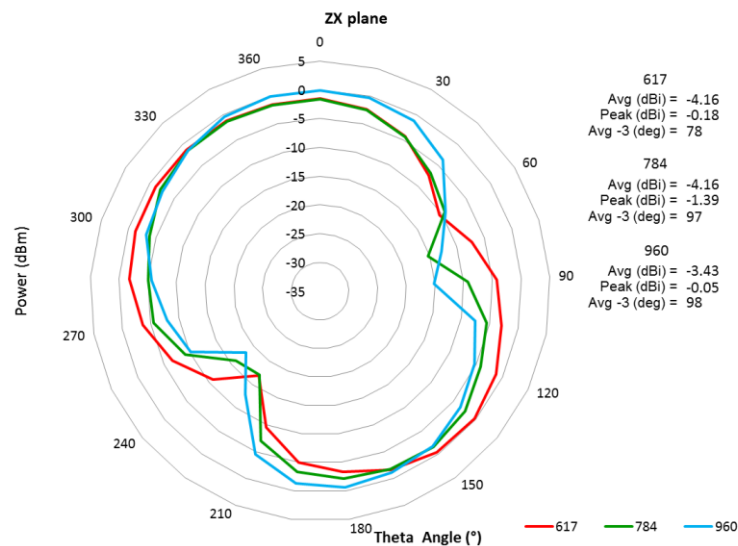
CHARTS



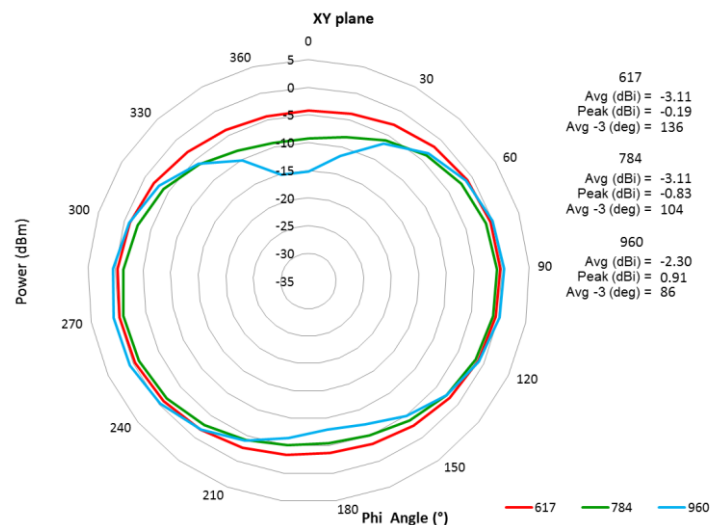
CHARTS

Radiation Patterns – 617-960 MHz

Elevation Plane



Azimuth Plane



Series: Gemini

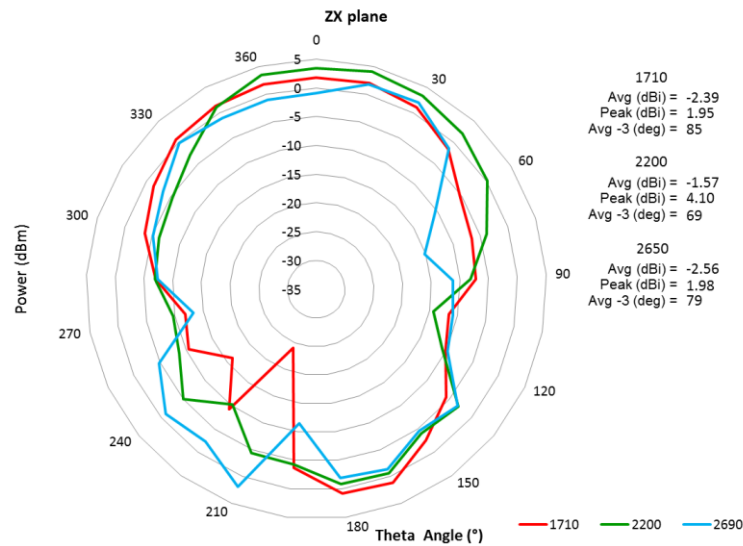
Description: 617-3900MHz 4G/5G FPC
Antenna with coax feed

PART NUMBER: W3929XXXX

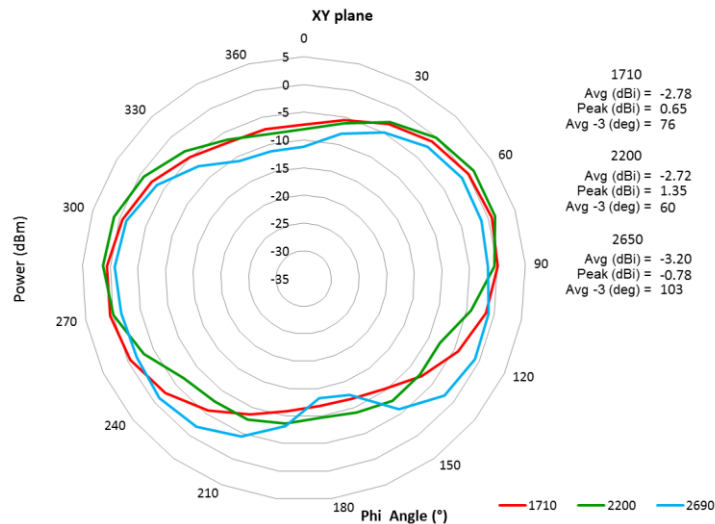
CHARTS

Radiation Patterns – 1710-2690 MHz

Elevation Plane



Azimuth Plane



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Series: Gemini

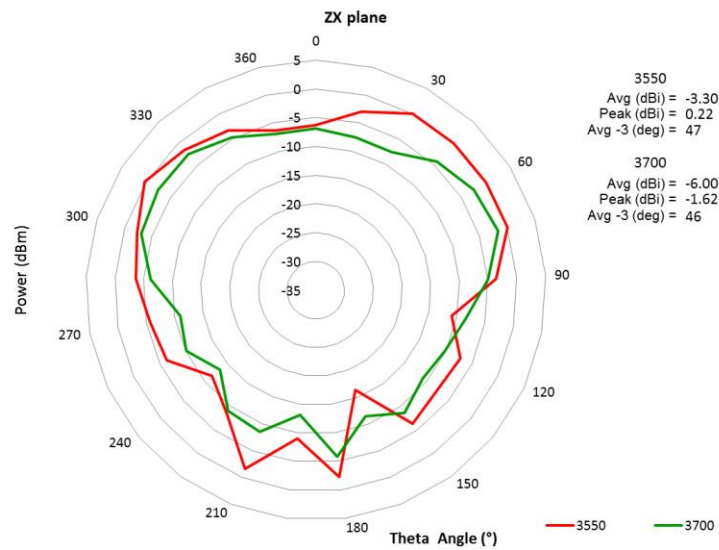
Description: 617-3900MHz 4G/5G FPC
Antenna with coax feed

PART NUMBER: W3929XXXX

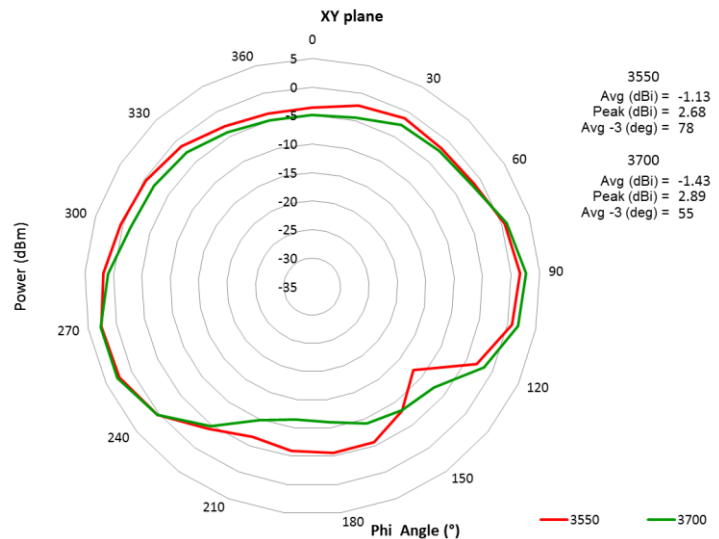
CHARTS

Radiation Patterns – 3400-3900 MHz

Elevation Plane



Azimuth Plane



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Series: **Gemini**

Description: **617-3900MHz 4G/5G FPC**
Antenna with coax feed

PART NUMBER: W3929XXXX

PACKAGING

10pcs antenna per PE bag

10pcs PE bags per form bag

12pcs form bag per package box

Total 1200pcs per package box

Package box: 460mm*235mm*140mm



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.