

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

Series: **Gemini**

**PART NUMBER: W3929XXXX**

### ELECTRICAL SPECIFICATIONS

Antenna Type	FPC Dipole
Frequency	617-960/1710-2690/3400-3900MHz
Nominal Impedance	50 $\Omega$
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

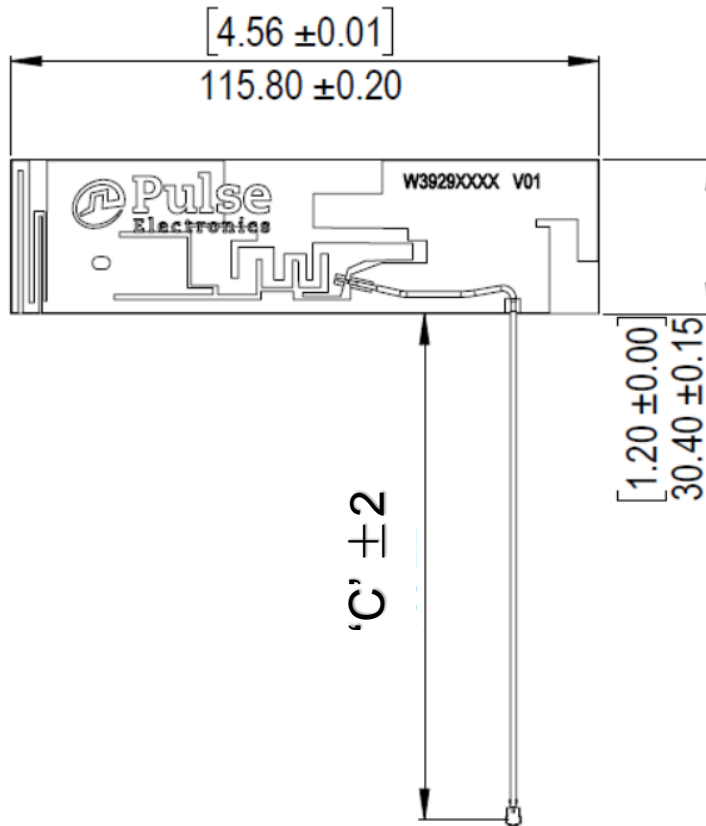
Operating Temperature	-40 to +85 ° C
Storage Temperature	-40 to +85 °
RoHS Compliant	Yes

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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

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## TEST SETUP



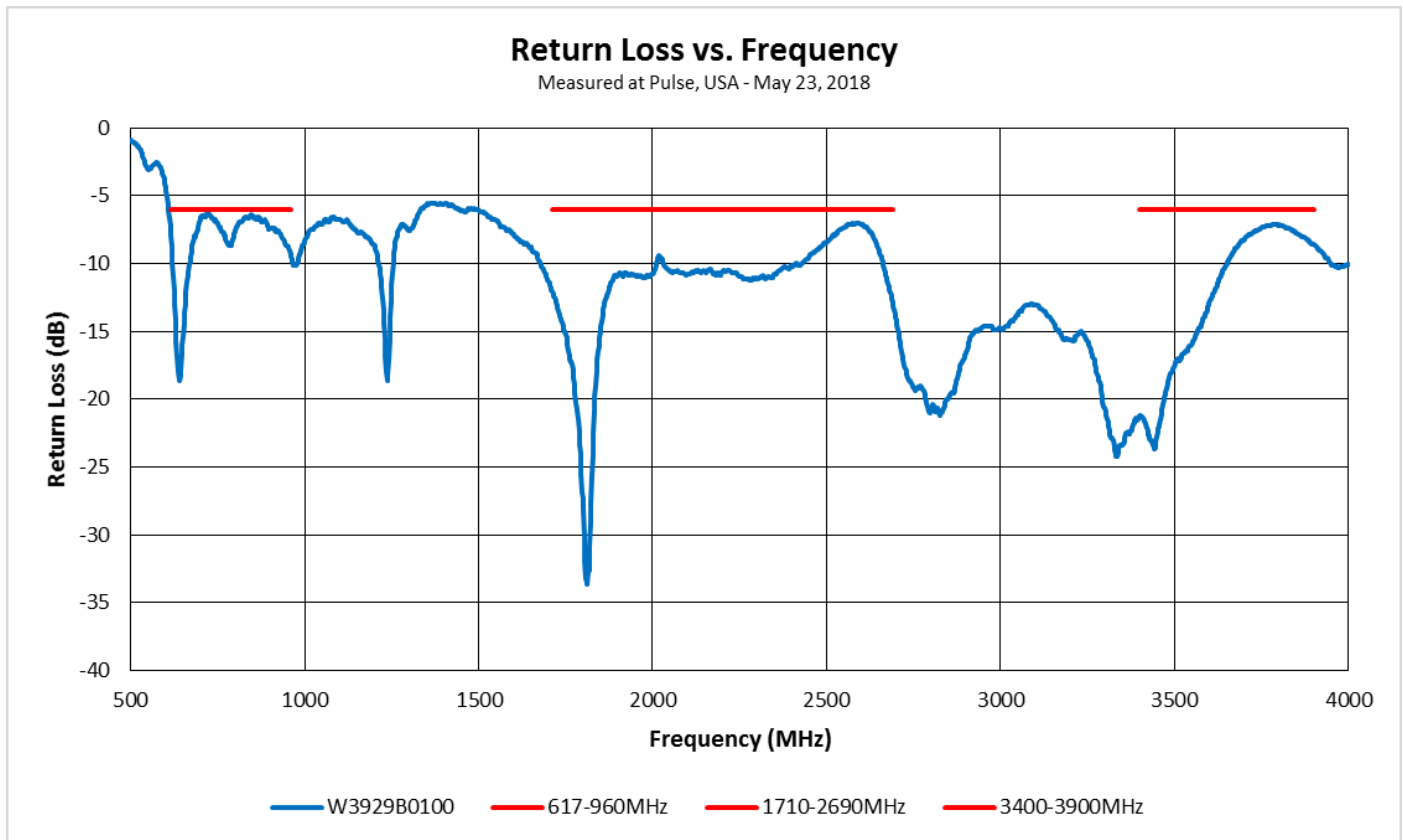
RF parameter testing is done when antenna is mounted on 2 mm thick plastic plate.

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CHARTS



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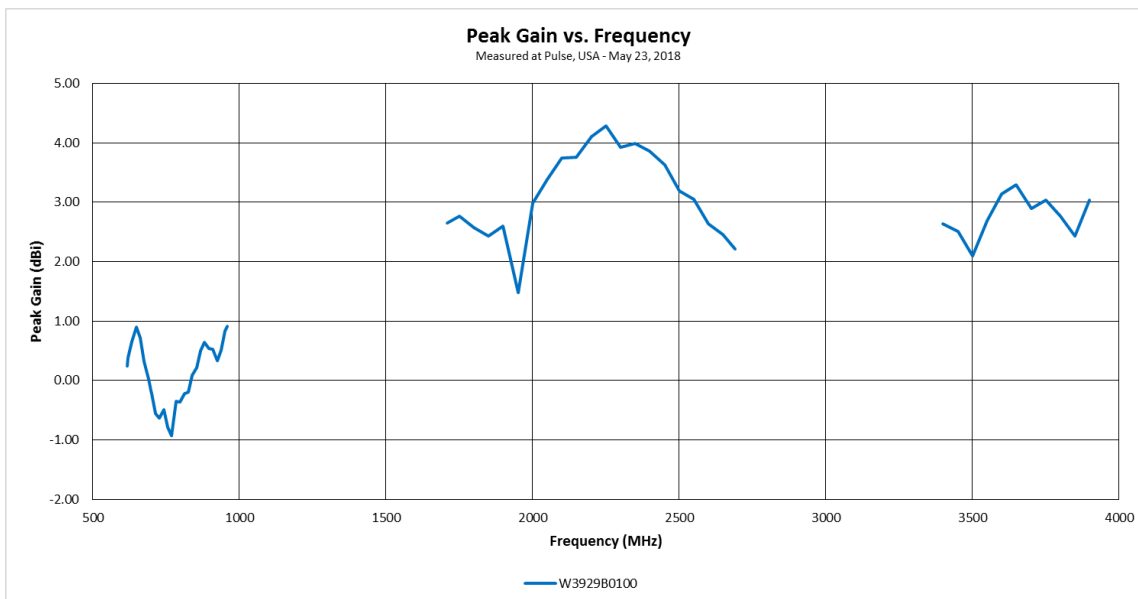
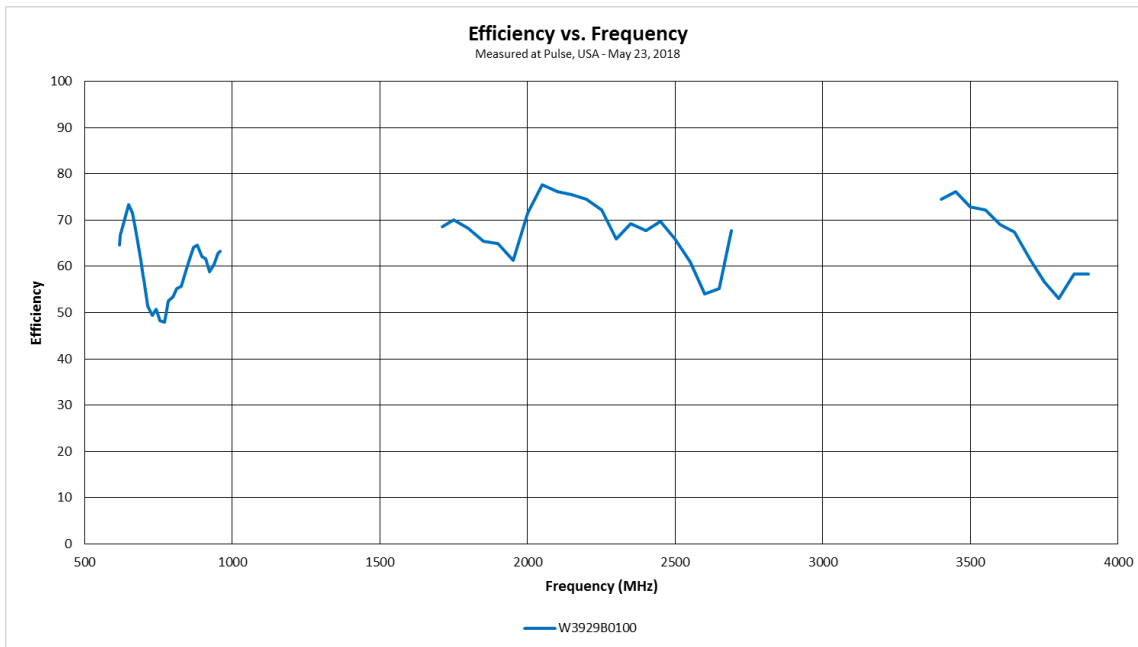
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Description: 617-3900MHz 4G/5G FPC Antenna with coax feed

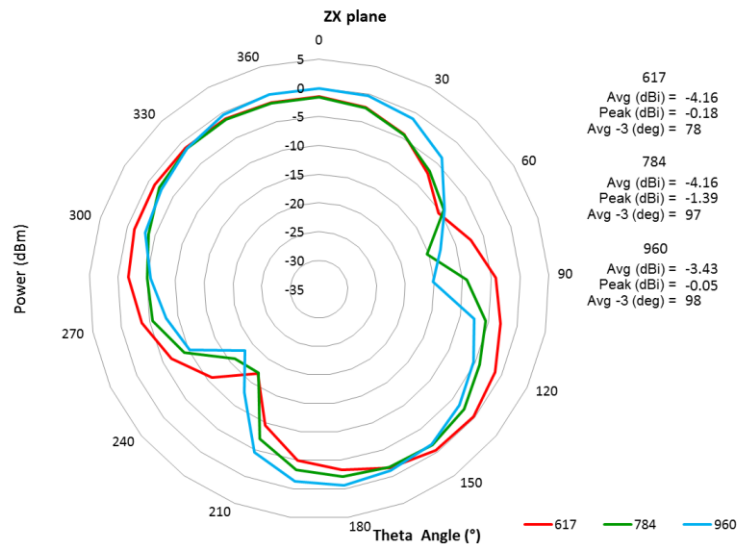
Series: Gemini

PART NUMBER: W3929XXXX

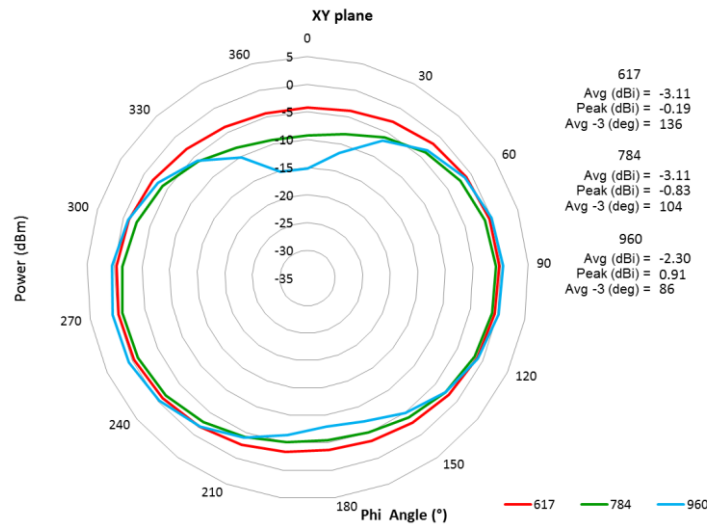
CHARTS

Radiation Patterns – 617-960 MHz

Elevation Plane



Azimuth Plane



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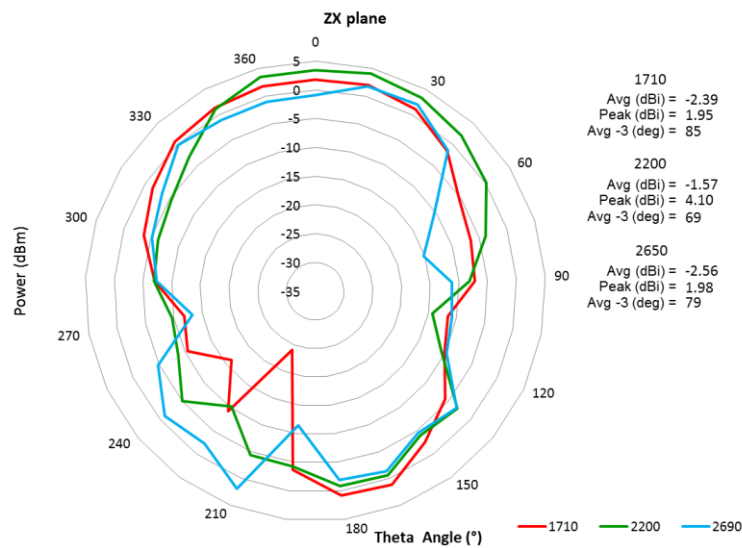
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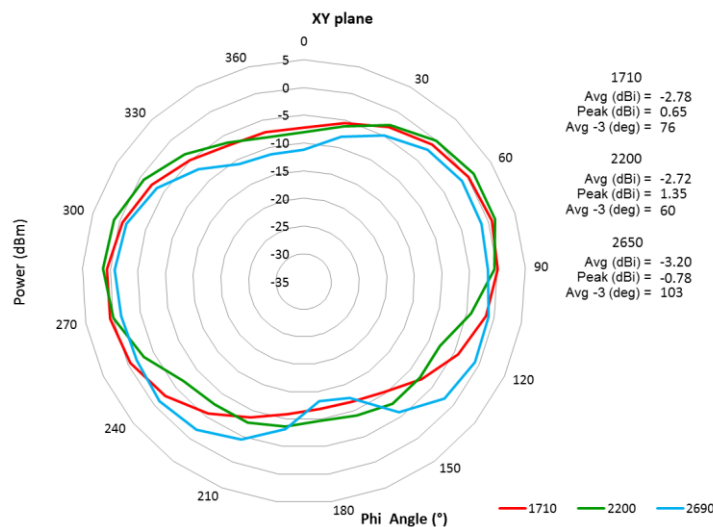
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Radiation Patterns –  
1710-2690 MHz

Elevation Plane



Azimuth Plane



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

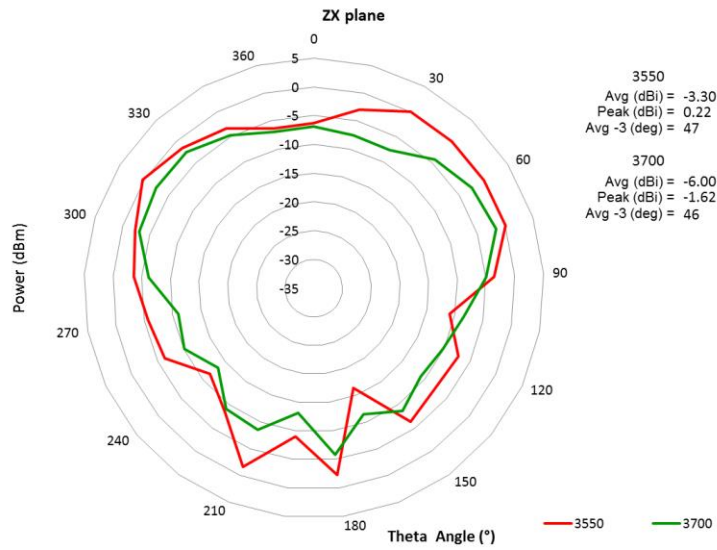
Series: Gemini

PART NUMBER: W3929XXXX

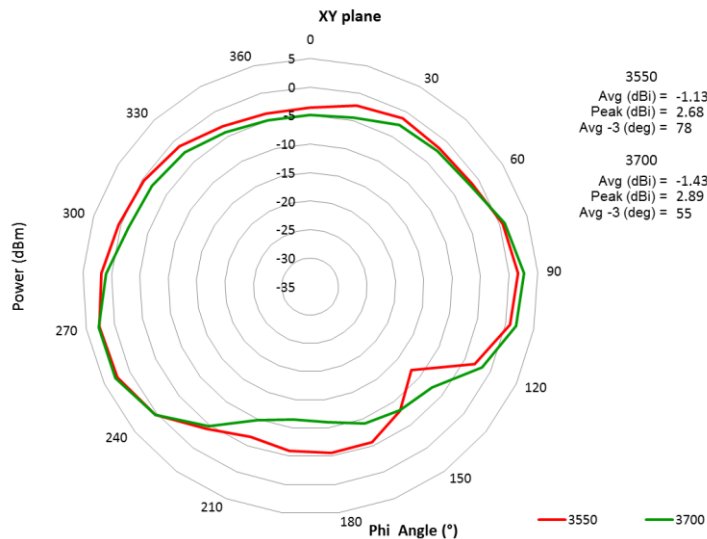
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Radiation Patterns –  
3400-3900 MHz

Elevation Plane



Azimuth Plane



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## 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

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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