

### 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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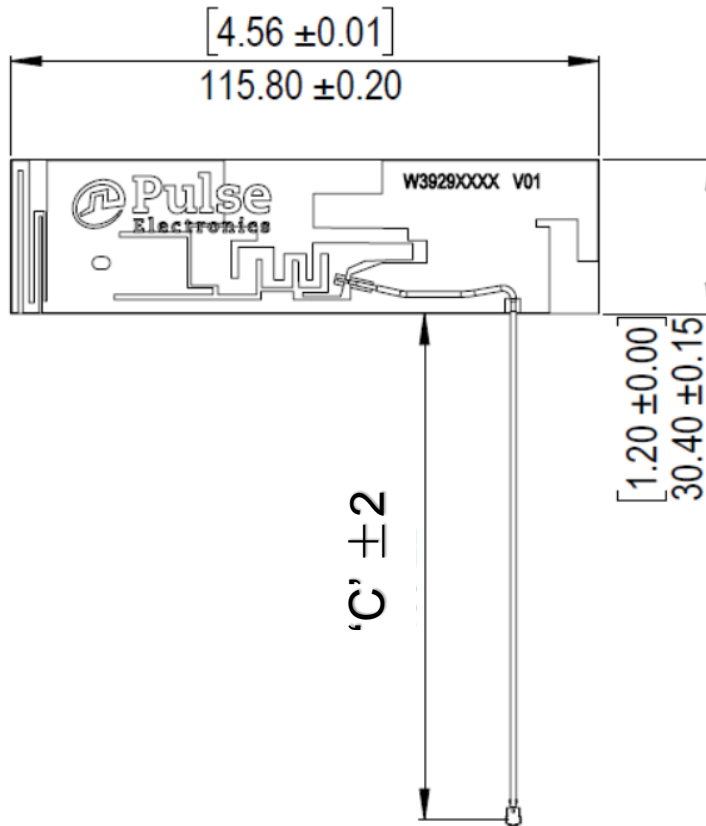
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MECHANICAL DRAWING



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



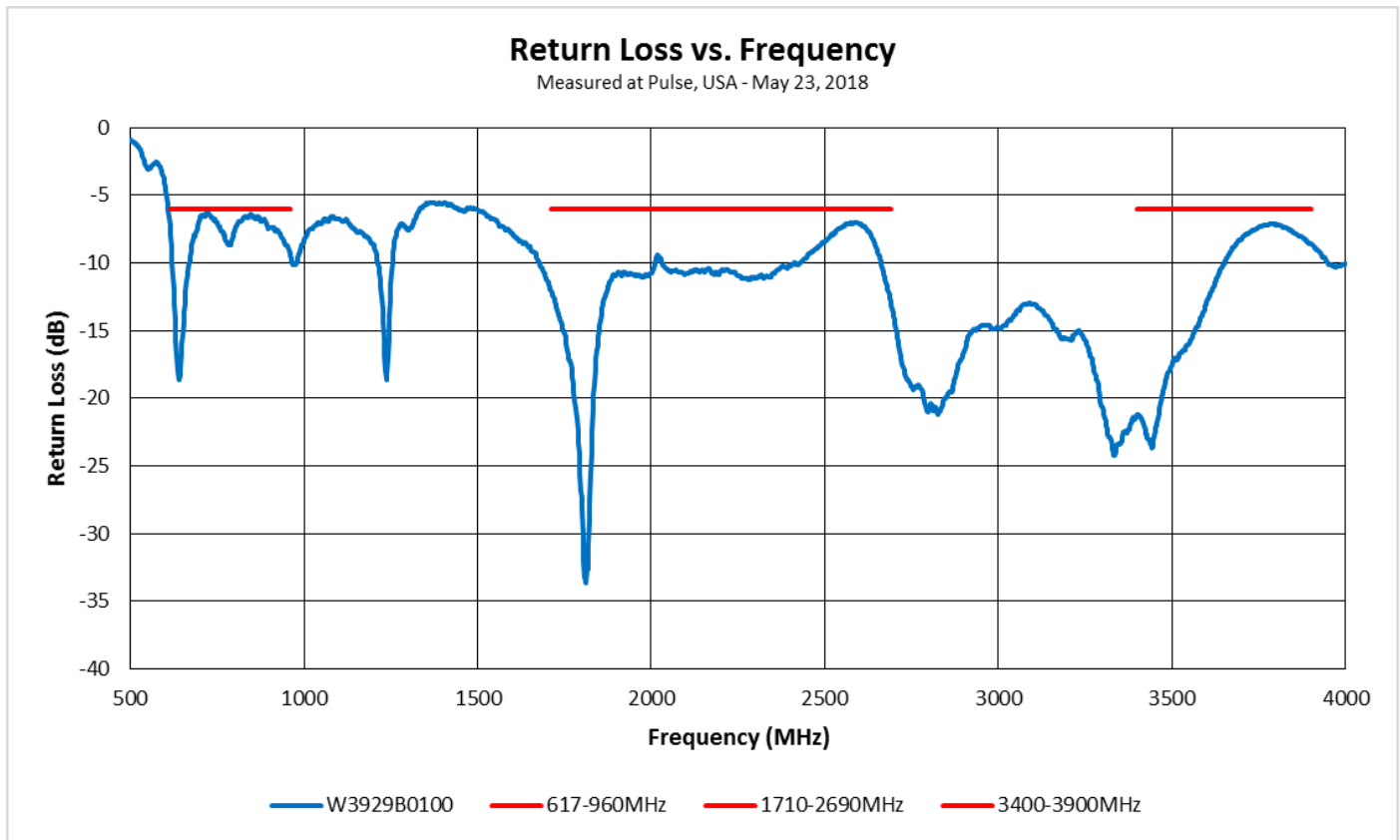
RF parameter testing is done when antenna is mounted on 2 mm thick plastic plate.

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CHARTS



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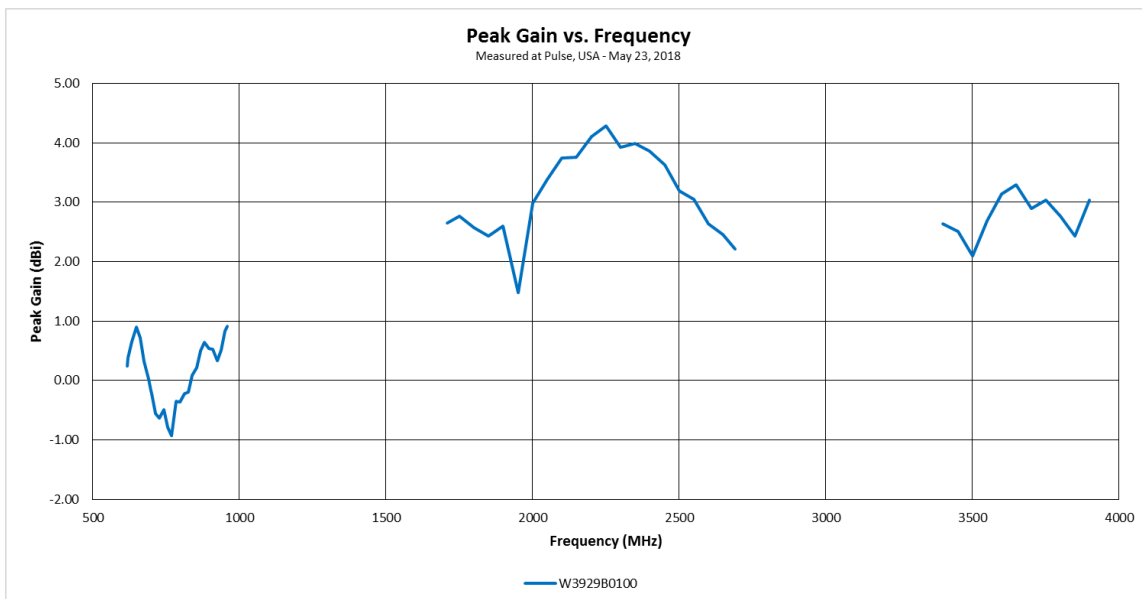
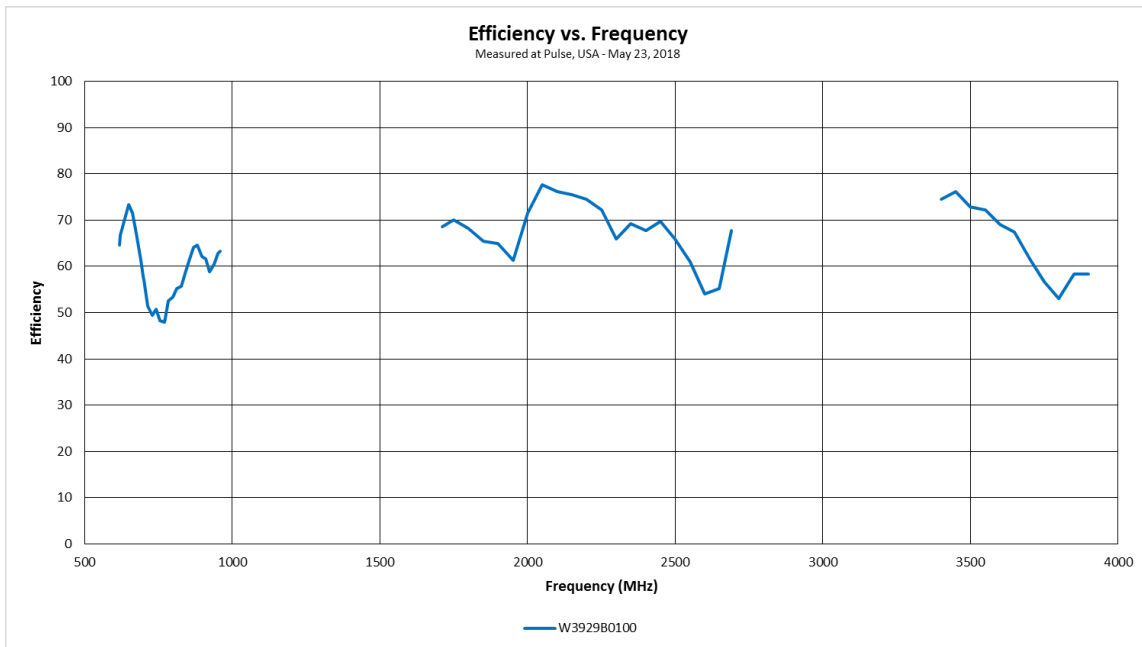
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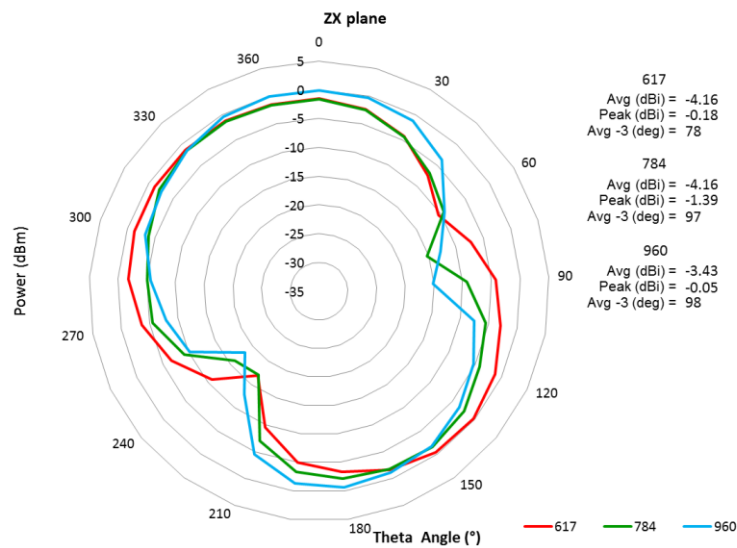
Series: Gemini

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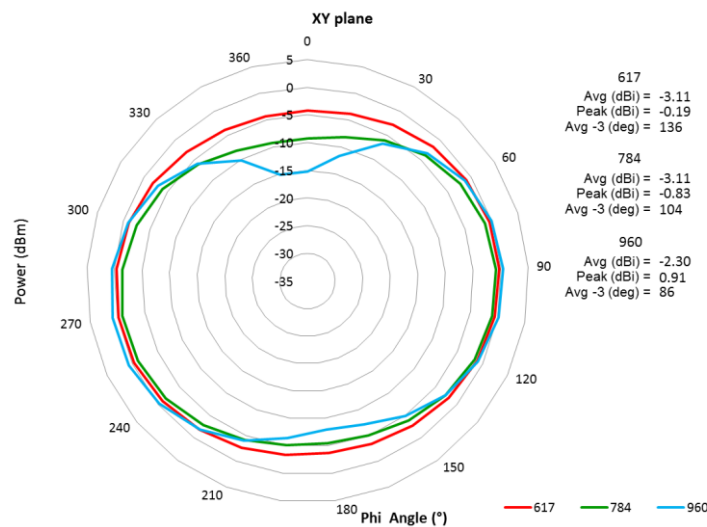
CHARTS

Radiation Patterns – 617-960 MHz

Elevation Plane



Azimuth Plane



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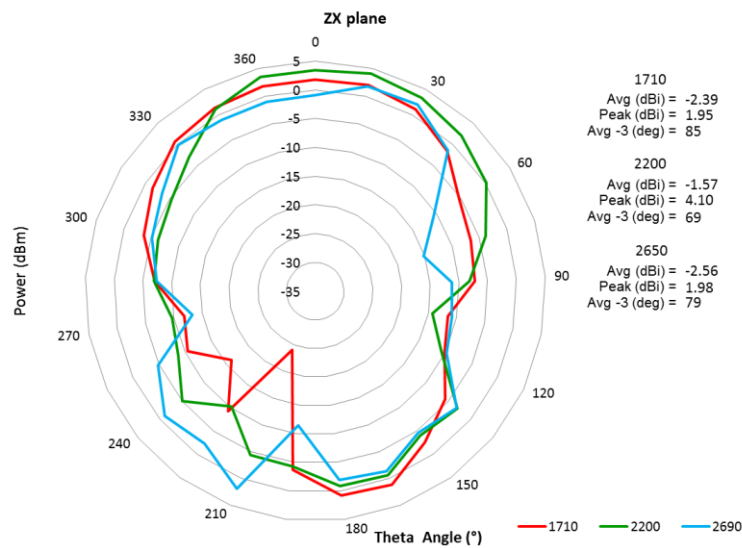
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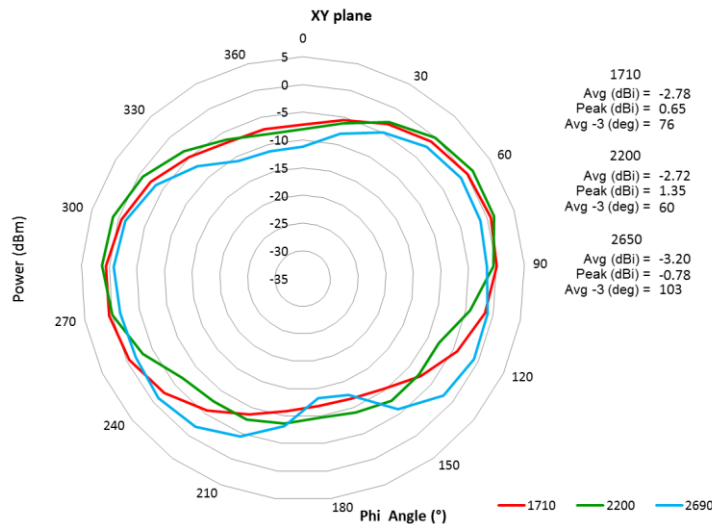
CHARTS

Radiation Patterns – 1710-2690 MHz

Elevation Plane



Azimuth Plane



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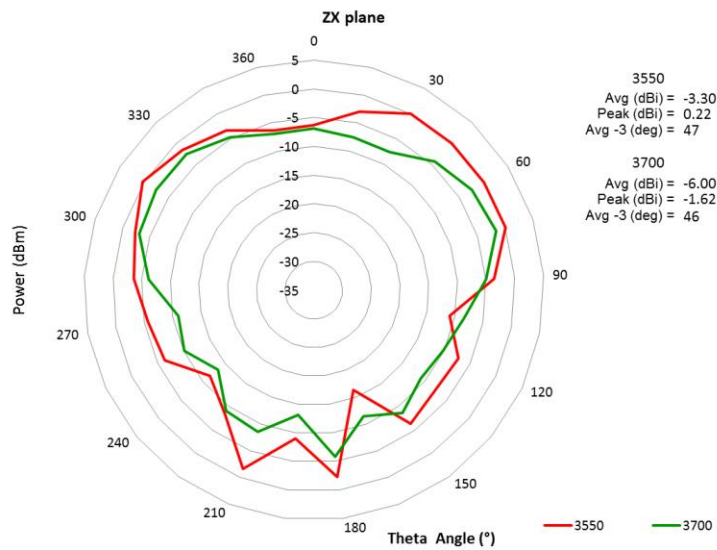
Series: Gemini

PART NUMBER: W3929XXXX

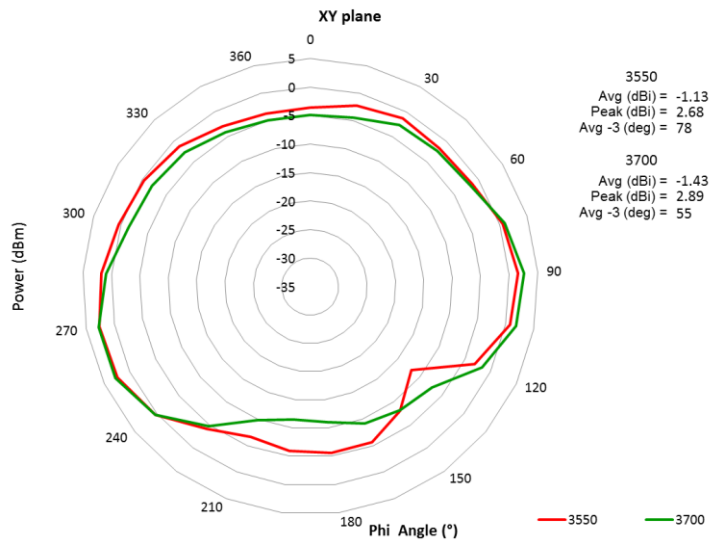
CHARTS

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

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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