

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 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

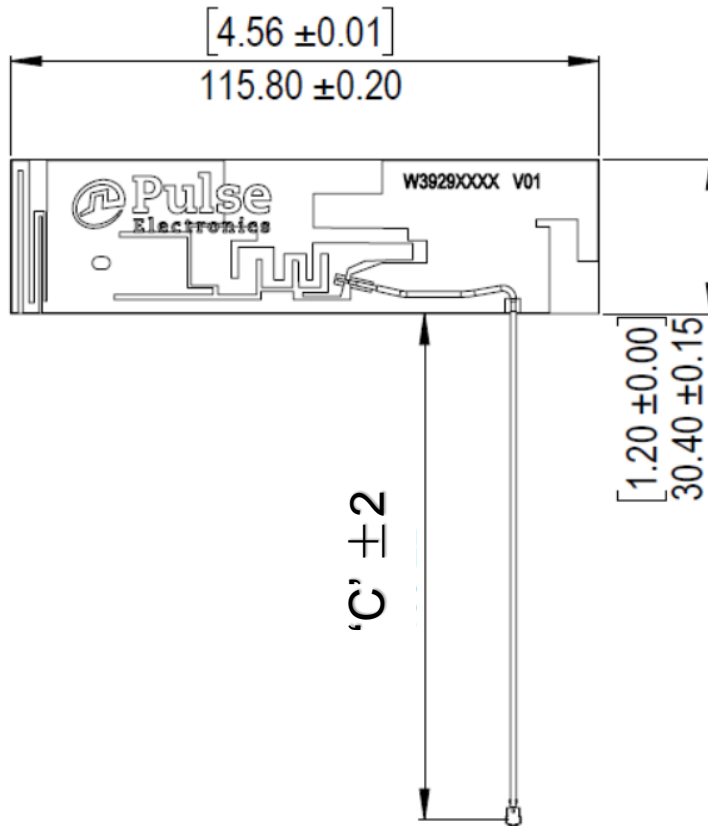
Operating Temperature	-40 to +85 ° C
Storage Temperature	-40 to +85 °
RoHS Compliant	Yes

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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



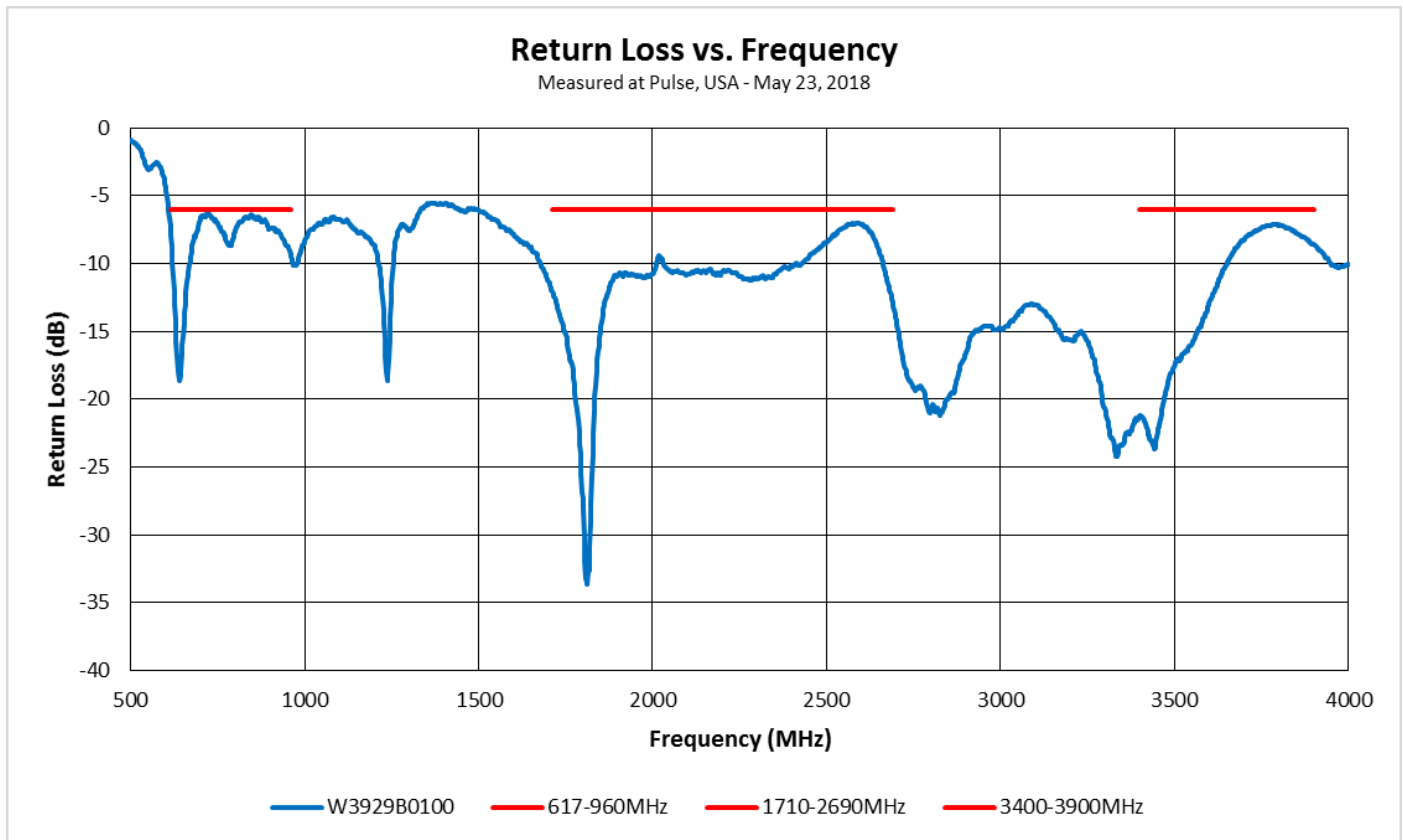
RF parameter testing is done when antenna is mounted on 2 mm thick plastic plate.

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Antenna with coax feed

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CHARTS



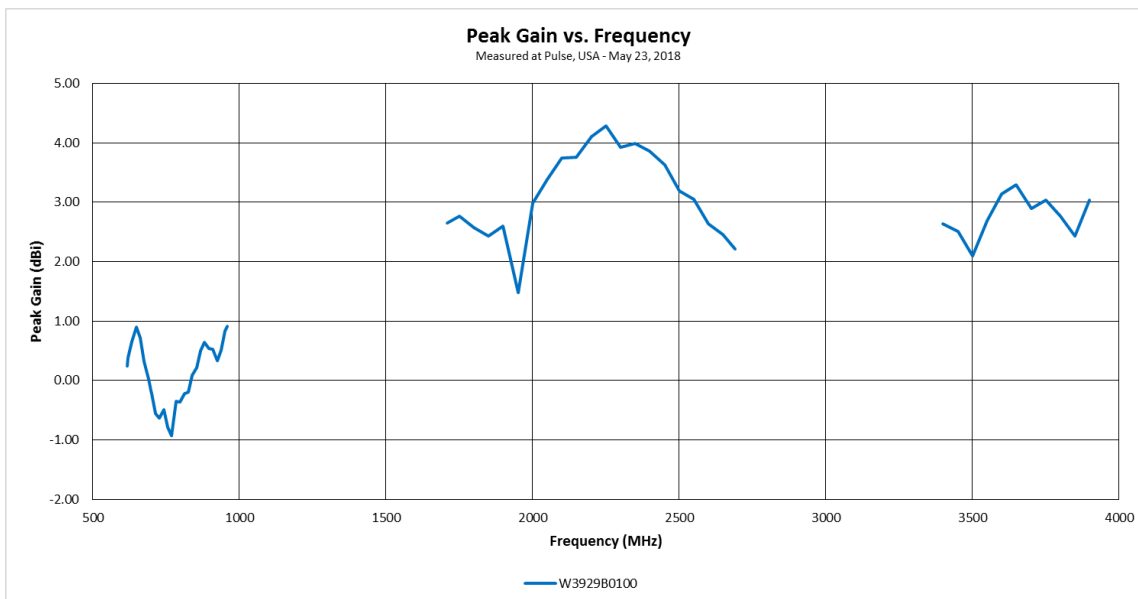
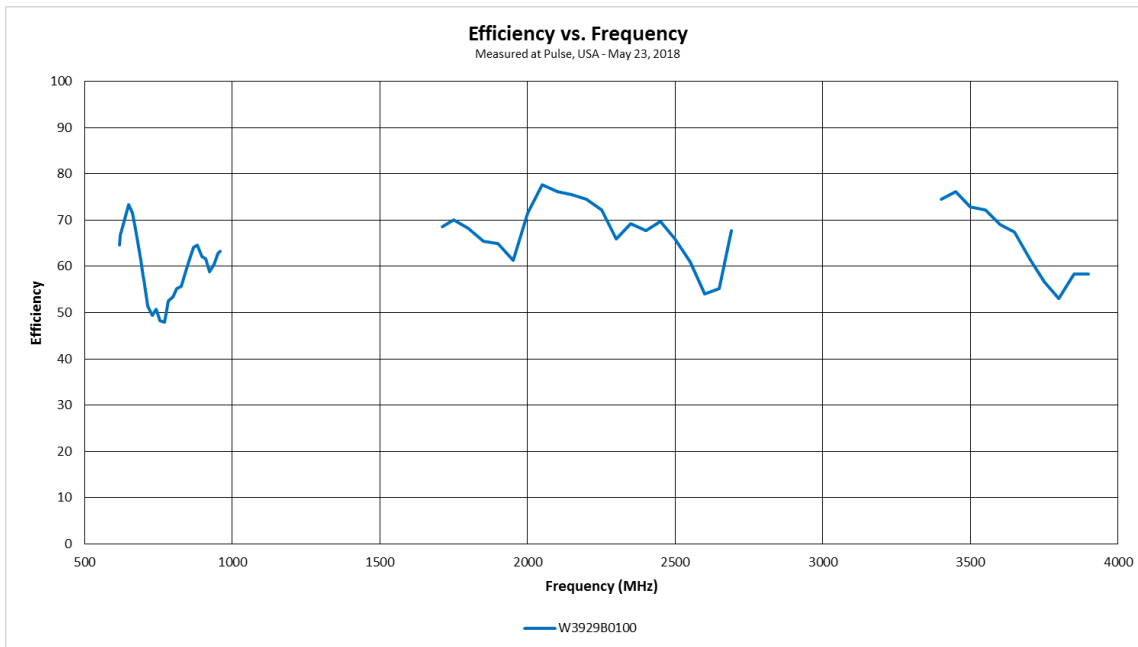
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CHARTS



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

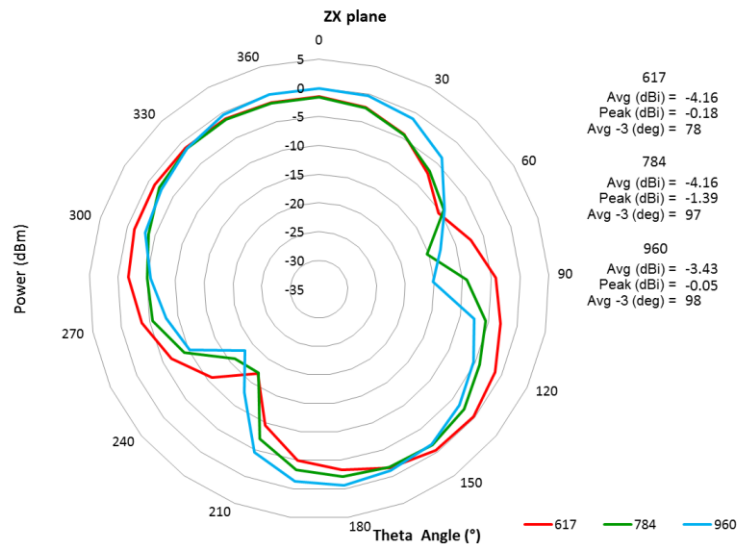
Series: Gemini

PART NUMBER: W3929XXXX

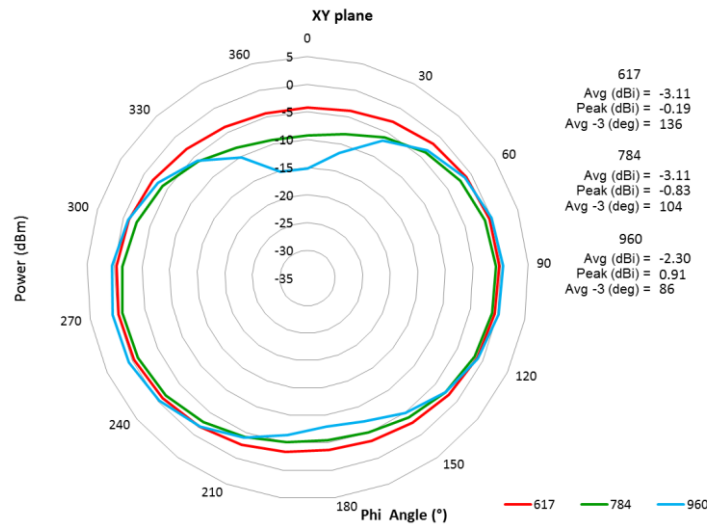
CHARTS

Radiation Patterns – 617-960 MHz

Elevation Plane



Azimuth Plane



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

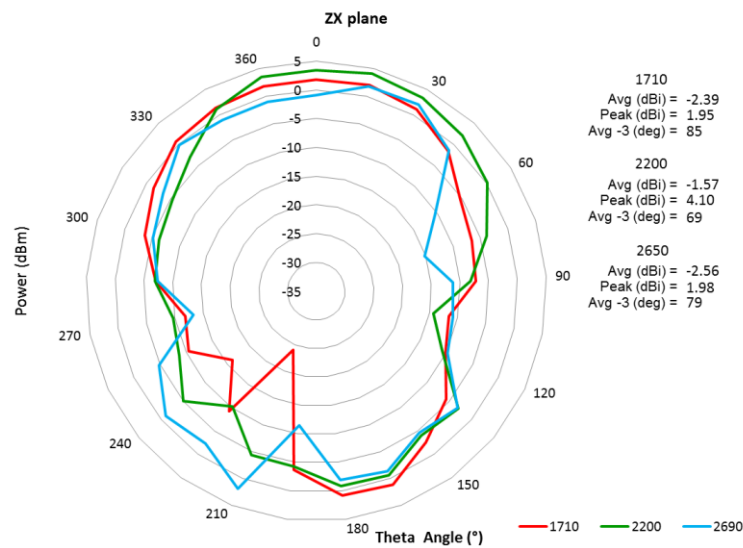
Series: Gemini

PART NUMBER: W3929XXXX

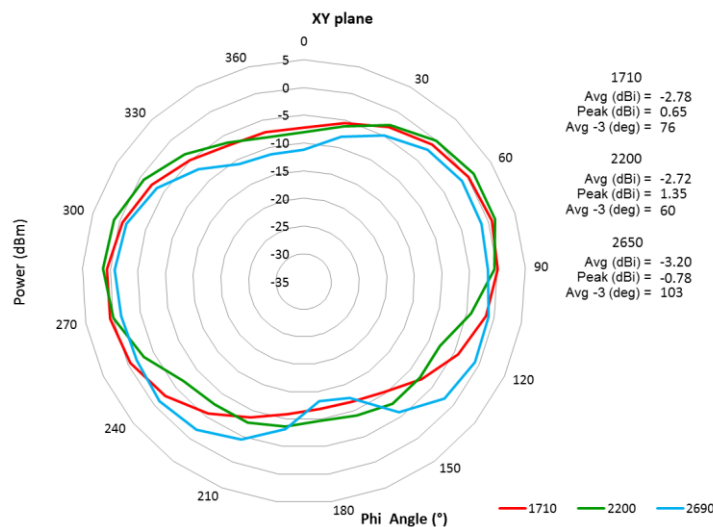
CHARTS

Radiation Patterns –
1710-2690 MHz

Elevation Plane



Azimuth Plane



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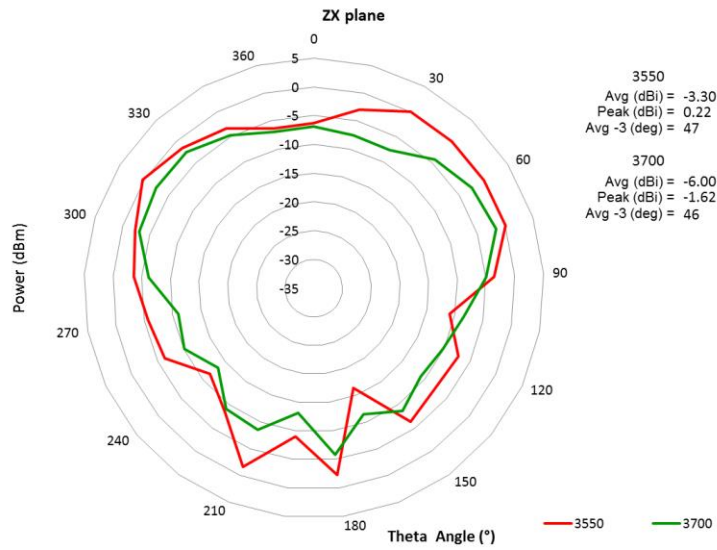
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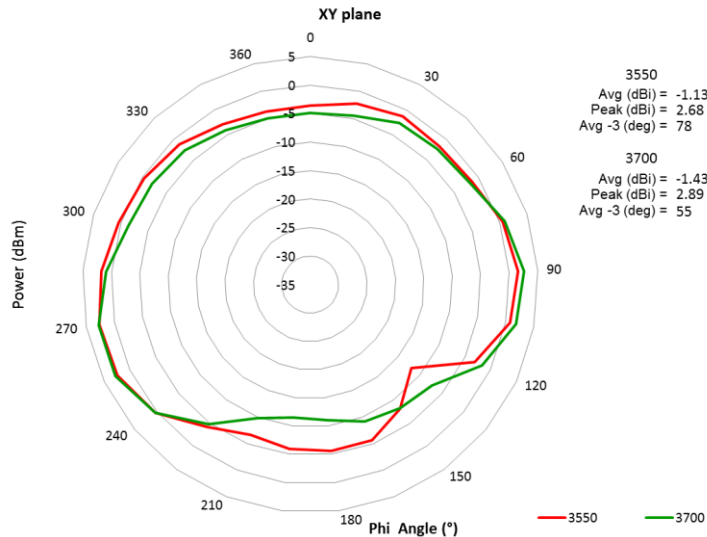
CHARTS

Radiation Patterns – 3400-3900 MHz

Elevation Plane



Azimuth Plane



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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