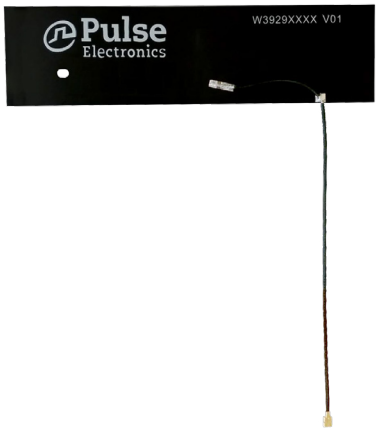
Internal
5G/4G FPC Antenna with Cable Assembly

W3929xxxxx - 617MHz to 3900MHz



Applications:

- *4G and 5G Products*
- *Adheres to plastic surfaces and foldable for tight spaces*
- *Challenging RF Environments Demanding:*
  - *Highest Peak Gain*
  - *Excellent Radiation Patterns*
- *Security, Video, Graphics*
- *IoT, SmartGrid, Meters, Remote Monitoring, Sensor Networks*

Electrical Specifications @ 25°C - Operating Temperature -40°C to +85°C

Frequency Bands - 617-6000 MHz

Antenna Type	Nominal Impedance	Return Loss	Radiation Pattern	Polarization	Power Withstanding
FPC	50Ω	<-6 db	Omni	Linear	3W

Frequency	617-960MHz	1710-2690MHz	3400-3900MHz
Gain	2 dBi	2 dBi	2 dBi
Efficiency	60%	60%	60%

Mechanical Specifications

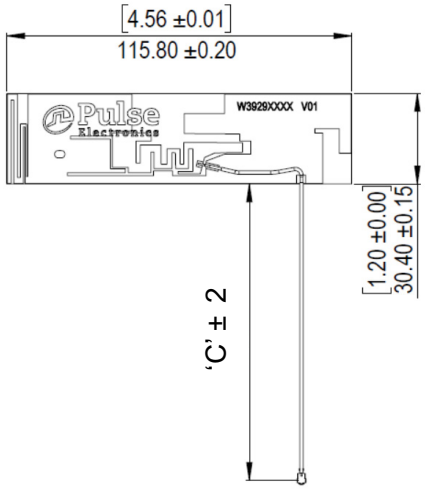
Orderable PN: W3929B0100

Size – (Dia x Length)	Antenna Color / Material	Connector Type	Cable Type	Cable Length	Fixing System
115.8mm x 30.4mm	BLACK FPC	Equivalent of I-PEX MHF	AWG#321.13MM	100MM	3M 467 Tape

Notes:
Storage Temperature: -40°C to 85°C
Other connector types and custom cable lengths are available upon request

Mechanical

W3929xxxxx



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

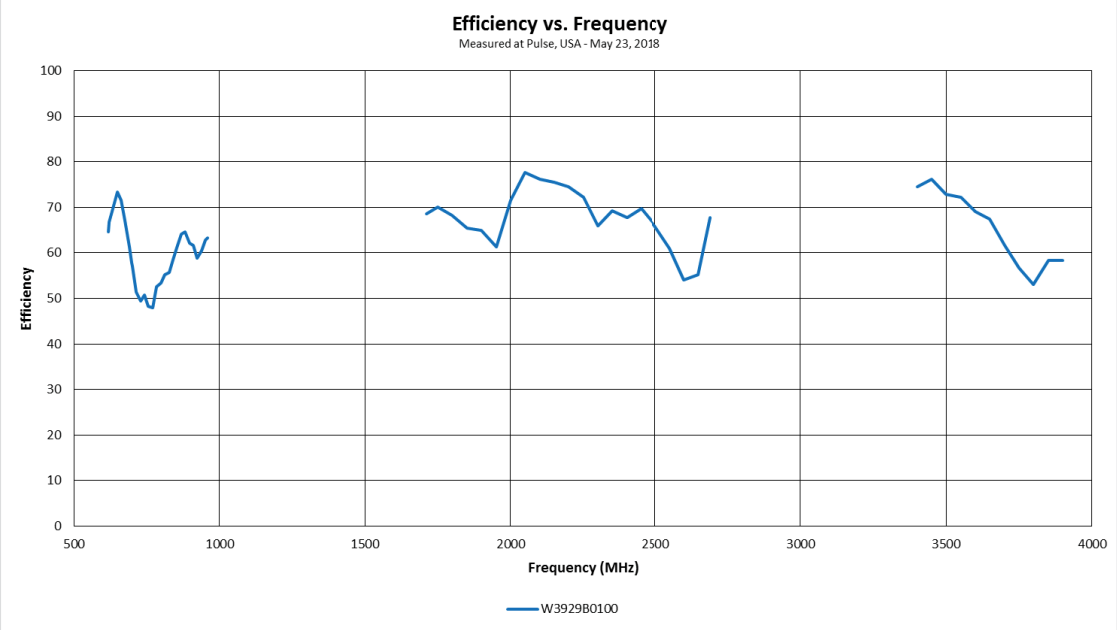
Test Setup

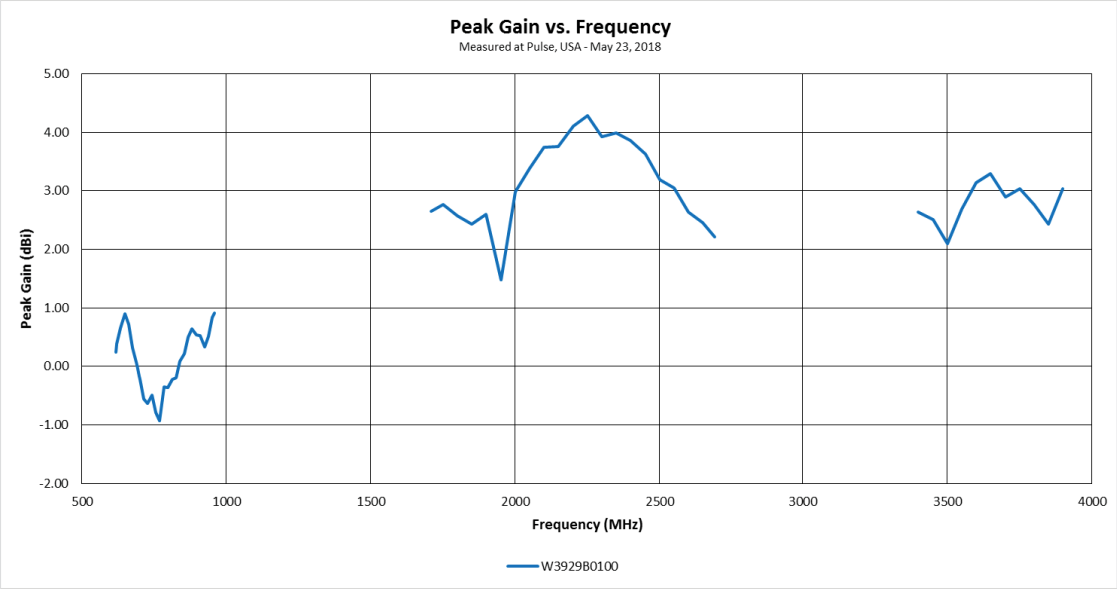
W3929xxxxx

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

Charts

W3929xxxxx





Charts

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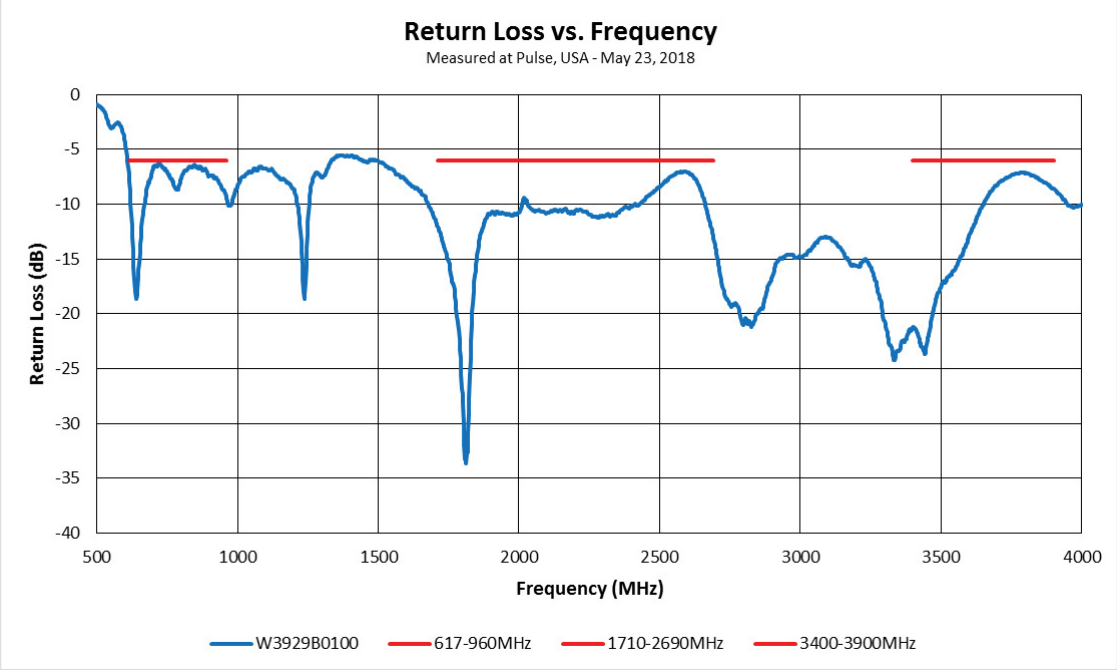
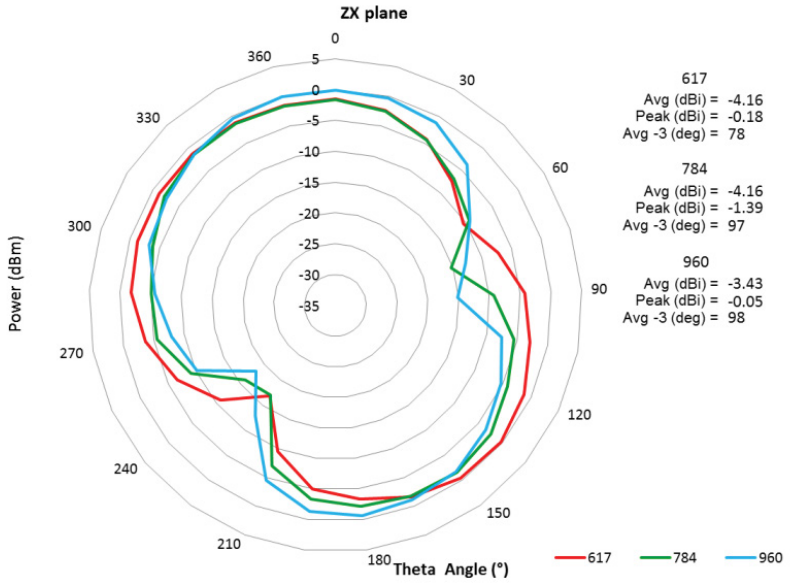


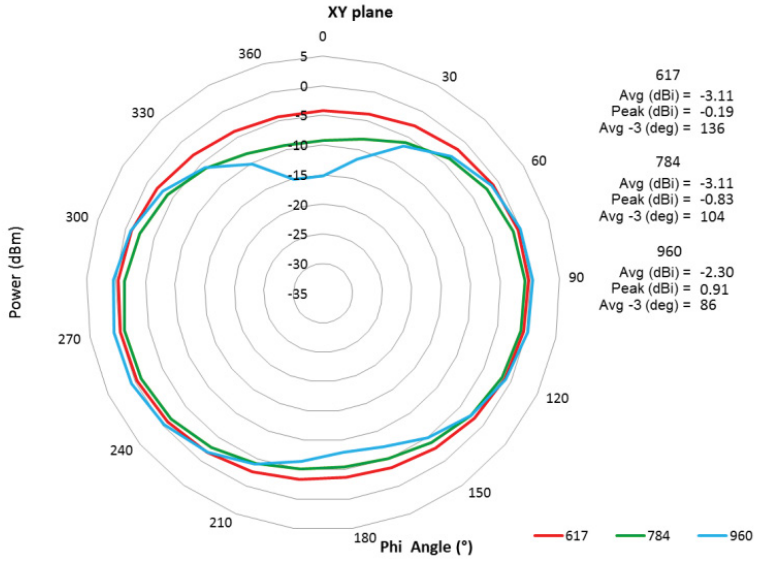
Radiation Patterns Charts

617MHz - 960MHz

Elevation Plane



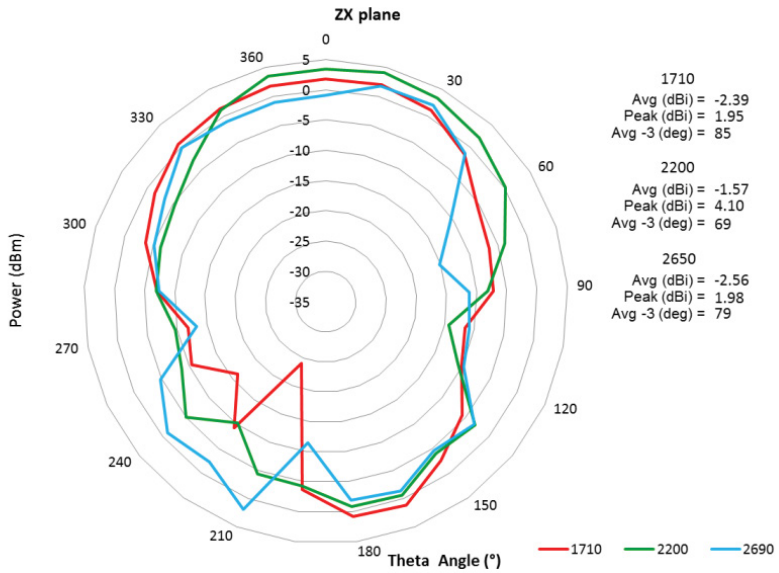
Azimuth Plane



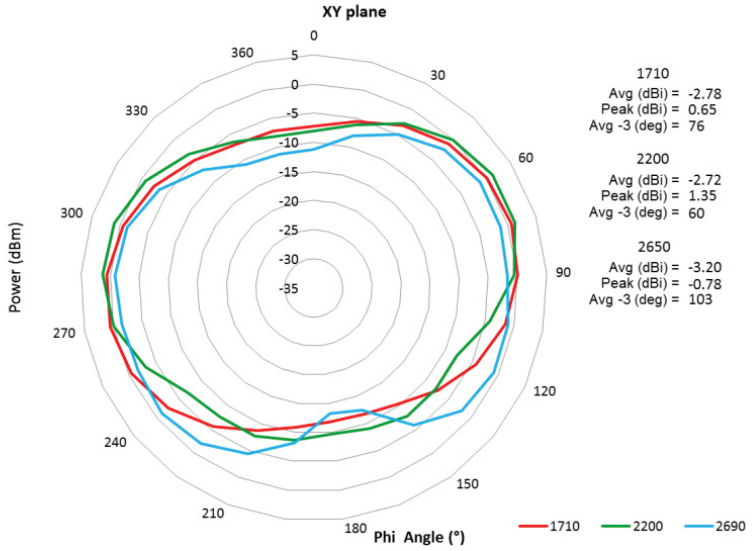
Radiation Patterns Charts

1710MHz - 2690MHz

Elevation Plane



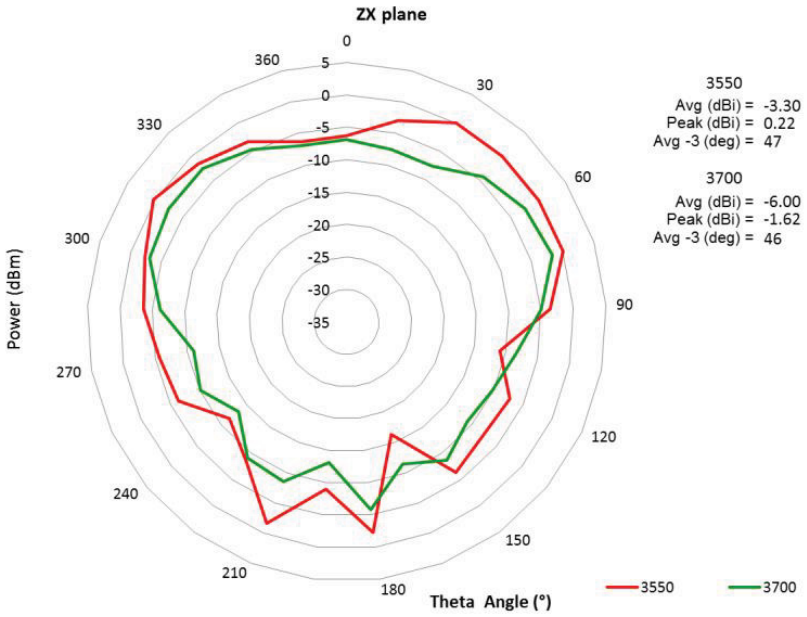
Azimuth Plane



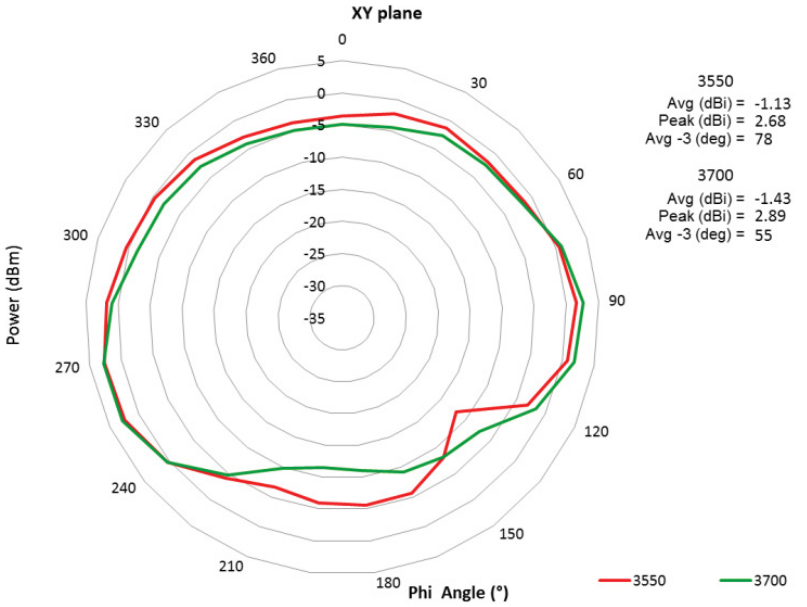
Radiation Patterns Charts

3400MHz - 3900MHz

Elevation Plane



Azimuth Plane



PACKAGING

W3929xxxxx

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

For More Information:
Americas - antennas.us@pulseelectronics.com | **Europe -** antennas.eu@pulseelectronics.com | **Asia -** antennas.as@pulseelectronics.com | **Questions?** +1-800-ANTENNA

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