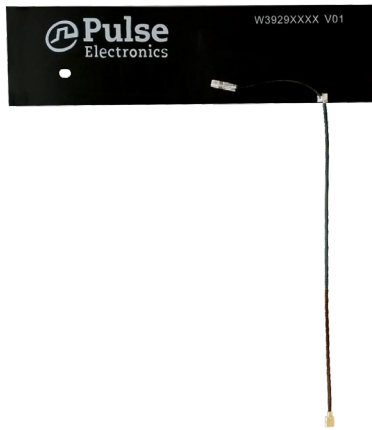


Internal 5G/4G FPC Antenna with Cable Assembly

W3929xxxx - 617MHz to 3900MHz



Applications:

- ④ 4G and 5G Products
- ④ Adheres to plastic surfaces and foldable for tight spaces
- ④ Challenging RF Environments Demanding:
 - Highest Peak Gain
 - Excellent Radiation Patterns
- ④ Security, Video, Graphics
- ④ 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

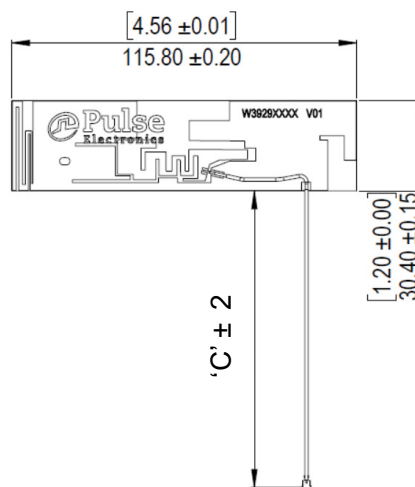
Notes:

Storage Temperature: -40°C to 85°C

Other connector types and custom cable lengths are available upon request

Mechanical

W3929xxxx



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0,25}$

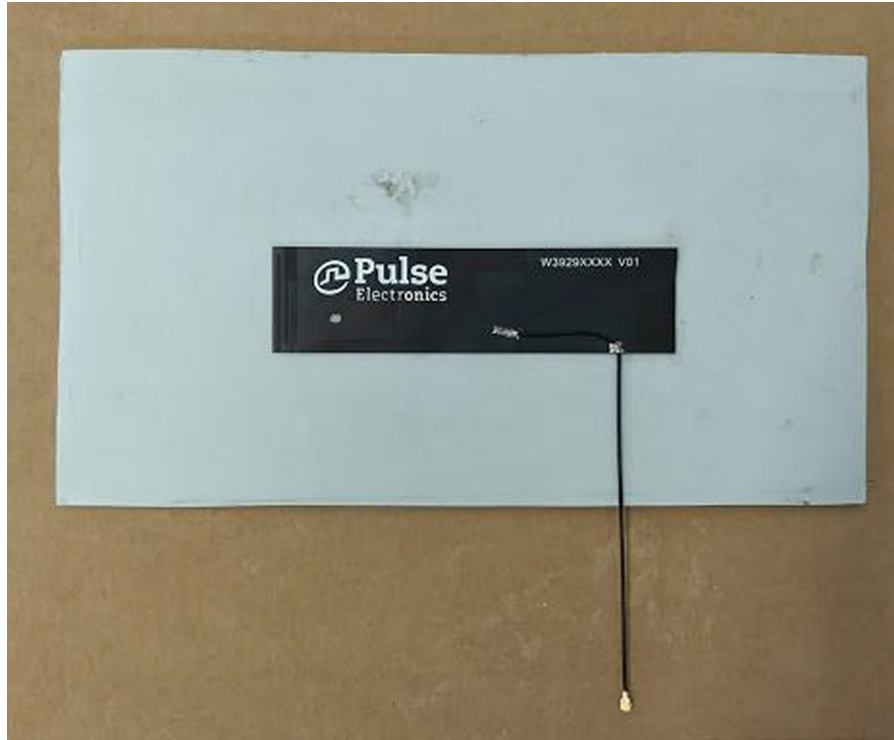
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Test Setup

W3929xxxx

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

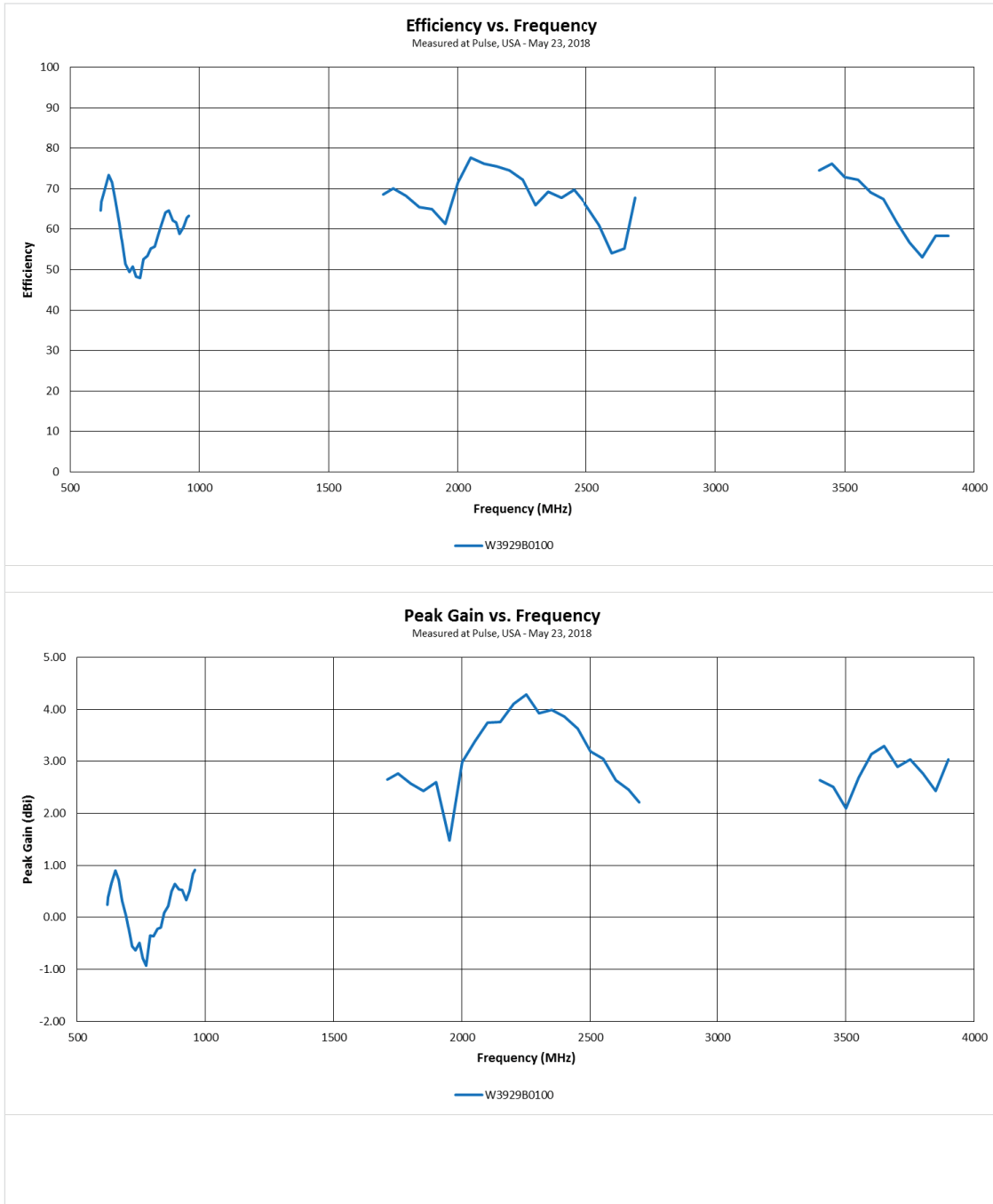


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Charts

W3929xxxx

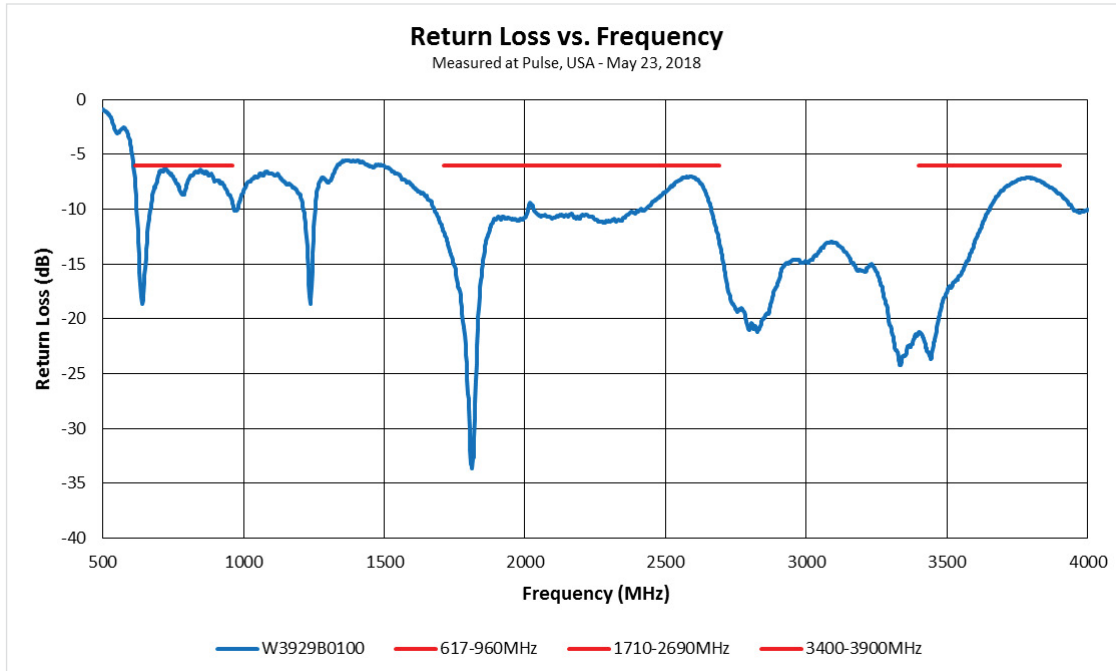


Internal 5G/4G FPC Antenna with Cable Assembly

W3929xxxx - 617MHz to 3900MHz

Charts

W3929xxxx

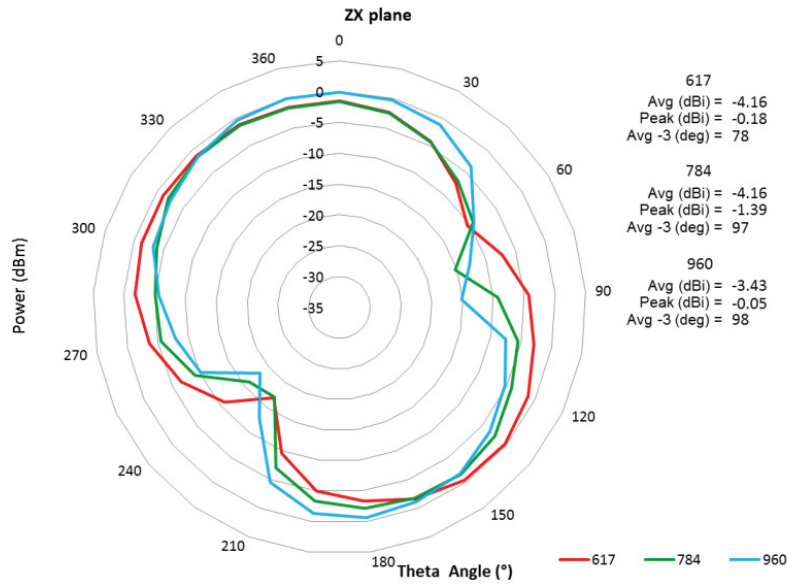


W3929xxxx - 617MHz to 3900MHz

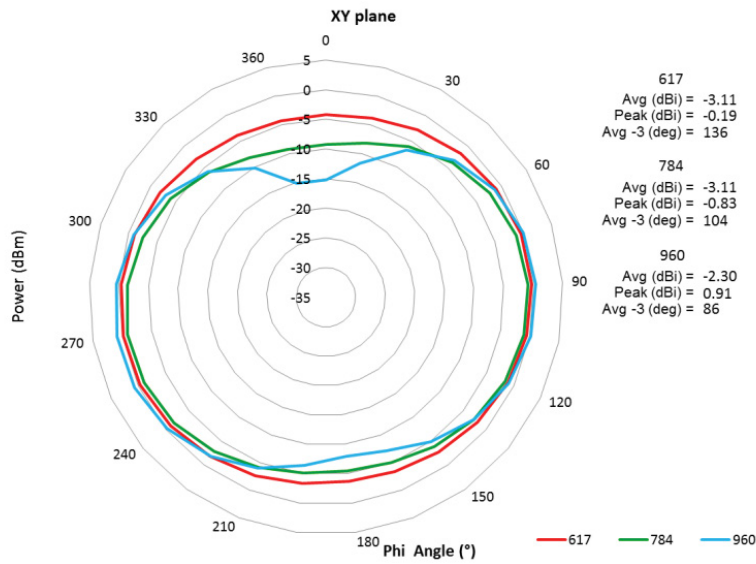
Radiation Patterns Charts

617MHz - 960MHz

Elevation Plane



Azimuth Plane

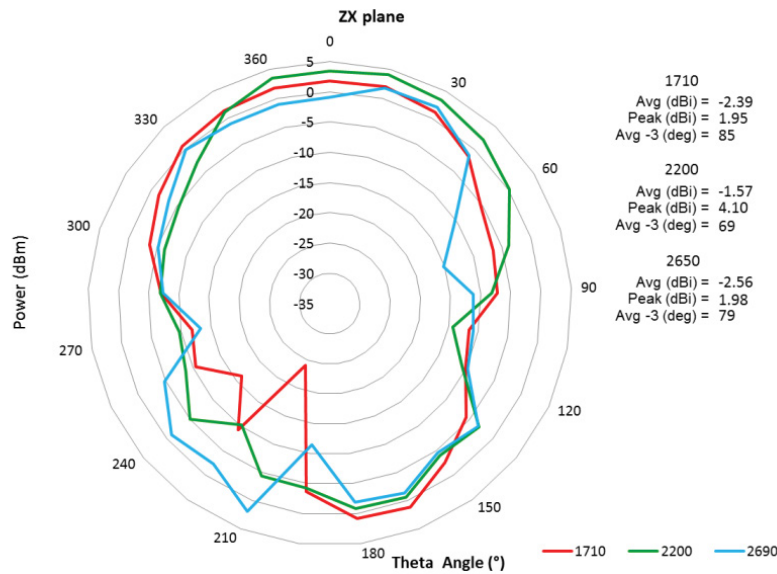


W3929xxxx - 617MHz to 3900MHz

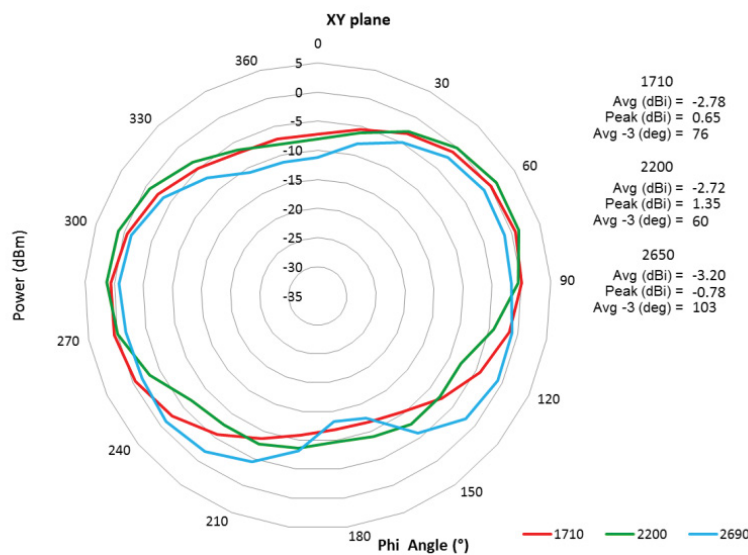
Radiation Patterns Charts

1710MHz - 2690MHz

Elevation Plane



Azimuth Plane

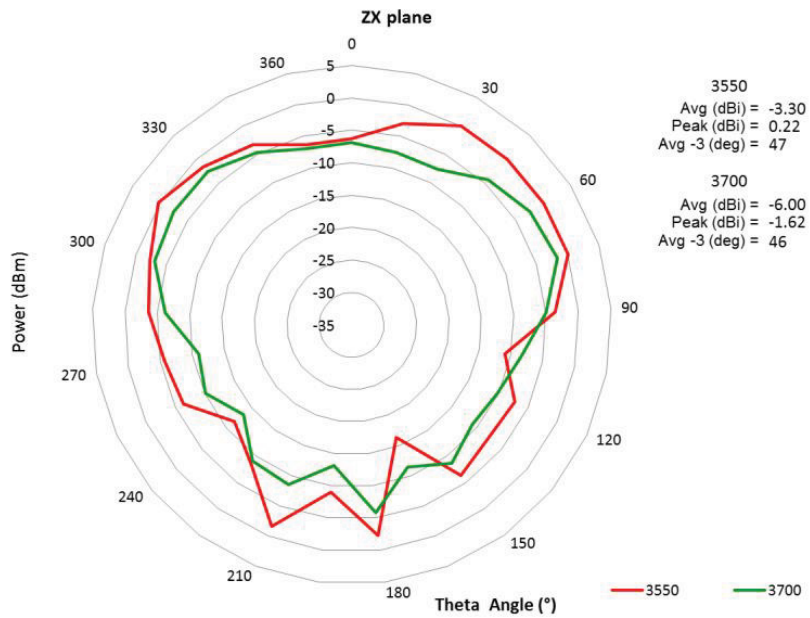


W3929xxxx - 617MHz to 3900MHz

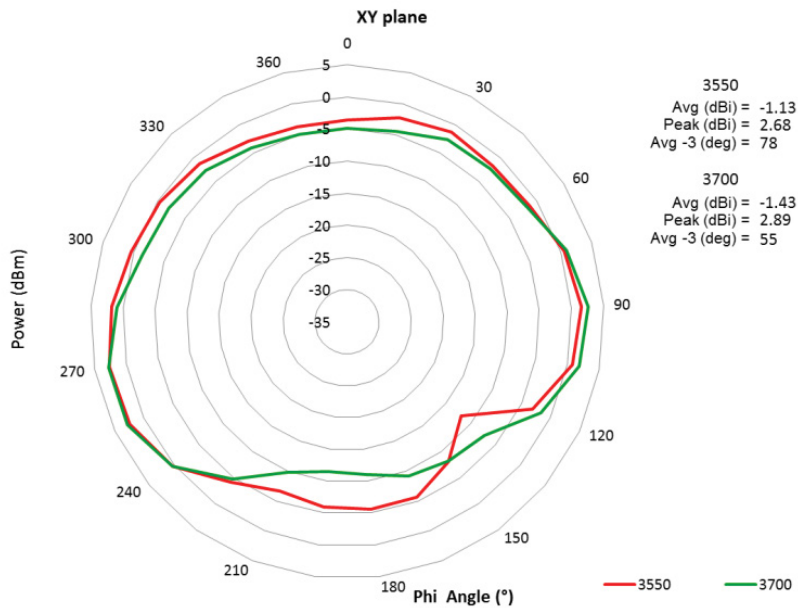
Radiation Patterns Charts

3400MHz - 3900MHz

Elevation Plane



Azimuth Plane



Internal 5G/4G FPC Antenna with Cable Assembly

W3929xxxx - 617MHz to 3900MHz

PACKAGING

W3929xxxx

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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