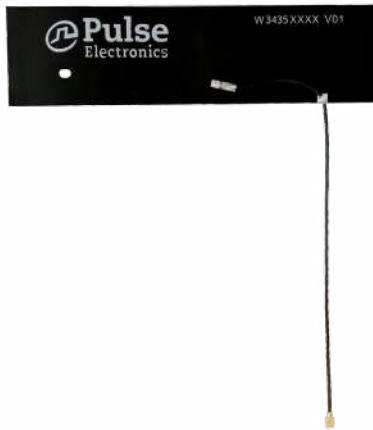


Internal 5G FR1 FPC Antenna with Cable Assembly

W3435xxxx - 617MHz to 6000MHz



Applications:

- ② 5G FR1 Antenna
- ② 3G/4G Compatible
- ② Adheres to plastic surfaces and foldable for tight spaces
- ② Challenging RF Environments Demanding:
 - Highest Peak Gain
 - Excellent Radiation Patterns
- ② Security, Video, Graphics
- ② 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	<-5 db	Omni	Vertical	3W
Frequency	617-960MHz	1710-2690MHz			
Gain	0 dBi	2.5 dBi			
Efficiency	40%	50%			

Mechanical Specifications

Orderable PN: W3435B0100

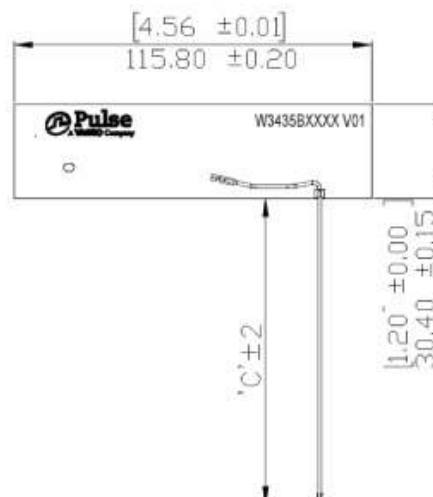
Size – (Dia x Length)	Antenna Color / Material	Connector Type	Cable Type	Cable Length	Fixing System
115.8mm x 30.4mm	BLACK FPC	Equivalent of I-PEX MHF	AWG#32 1.13MM	100MM	3M 467 Tape

Notes:

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

Mechanical

W3435xxxx



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

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

Internal 5G FR1 FPC Antenna with Cable Assembly

W3435xxxx - 617MHz to 6000MHz

Test Setup

W3435xxxx

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

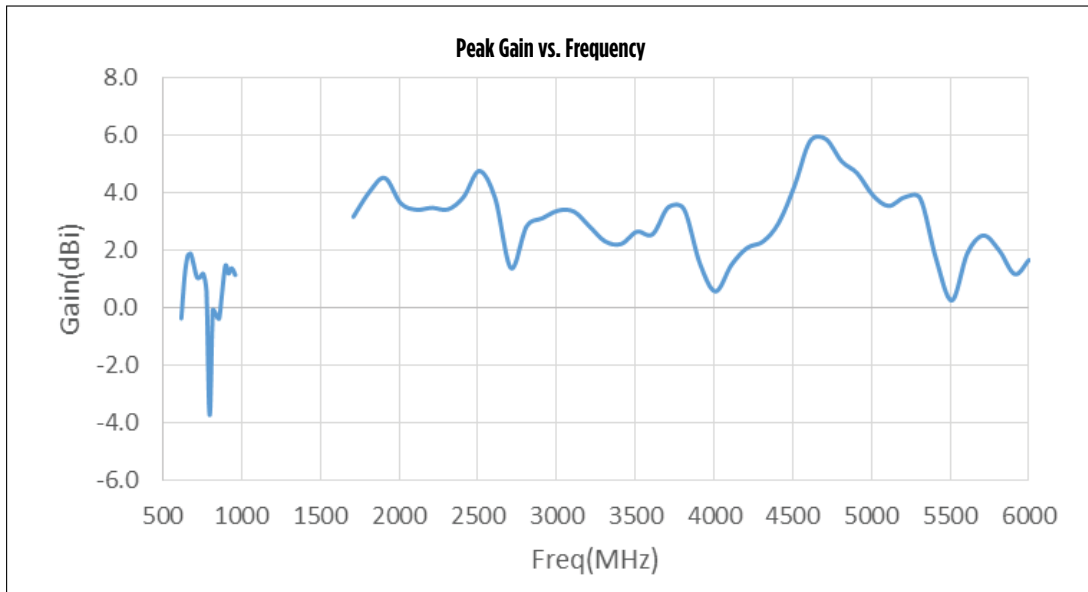
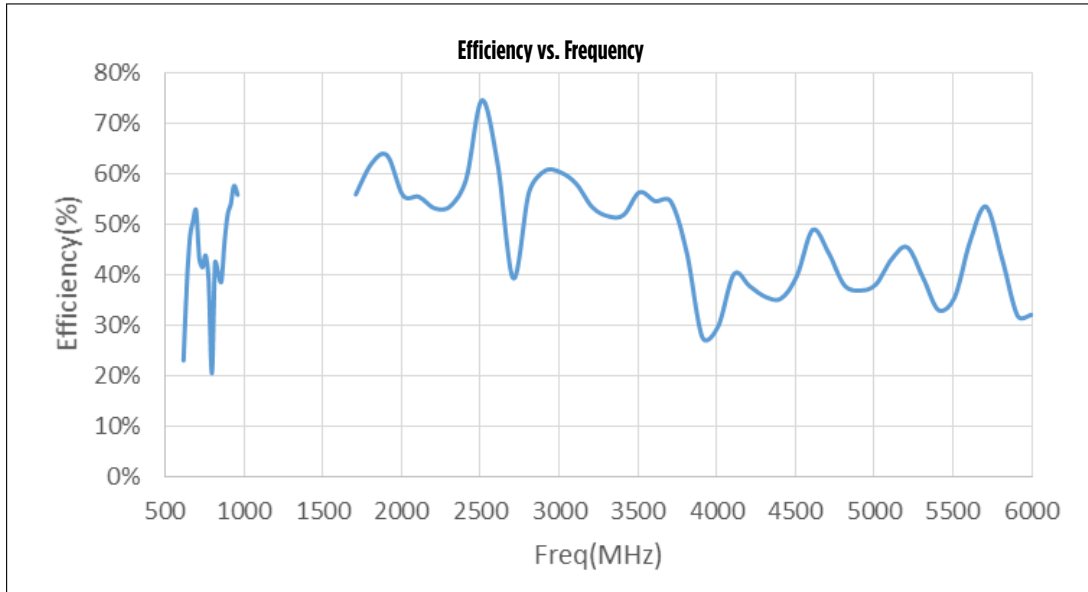


Internal 5G FR1 FPC Antenna with Cable Assembly

W3435xxxxx - 617MHz to 6000MHz

Charts

W3435xxxxx

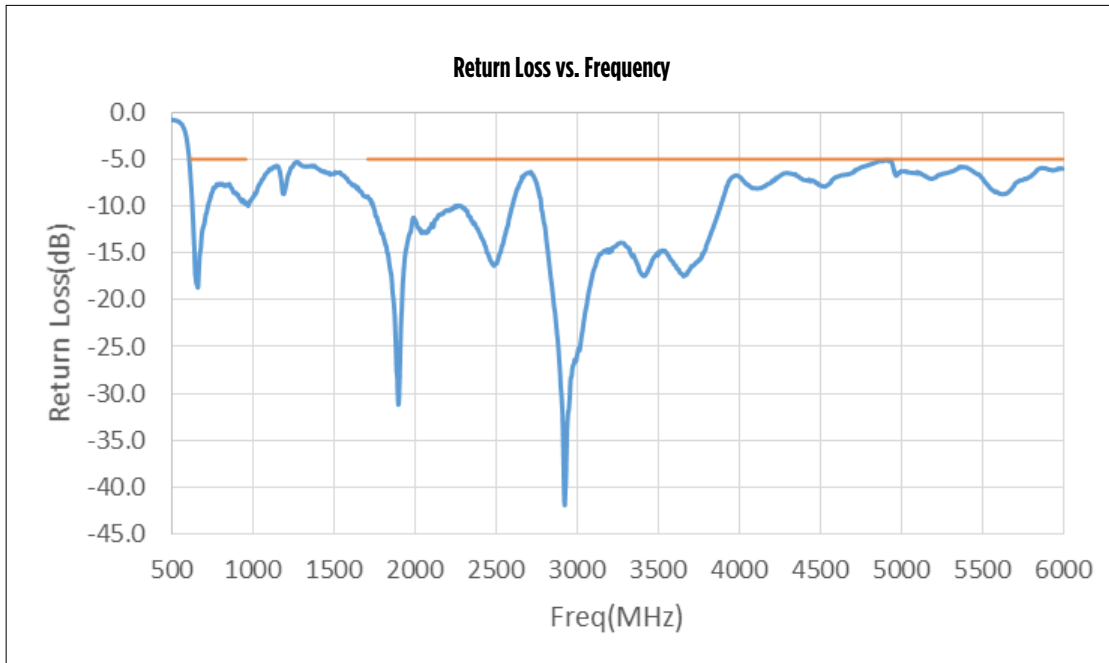


Internal 5G FR1 FPC Antenna with Cable Assembly

W3435xxxxx - 617MHz to 6000MHz

Charts

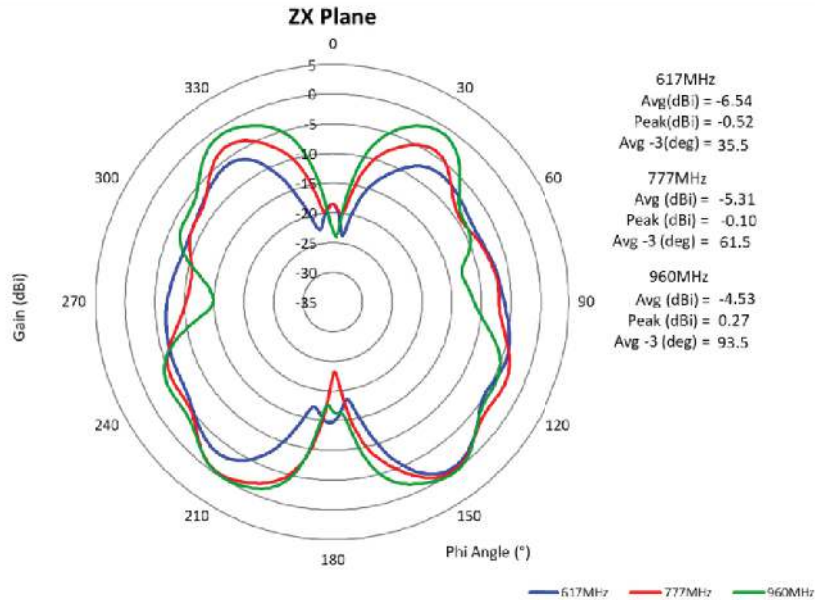
W3435xxxxx



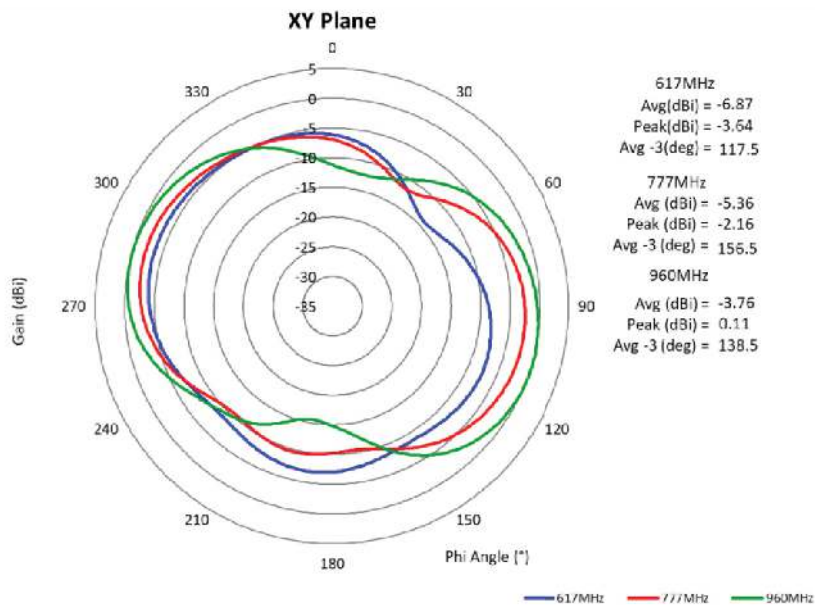
Radiation Patterns Charts

617MHz - 960MHz

Elevation Plane



Azimuth Plane

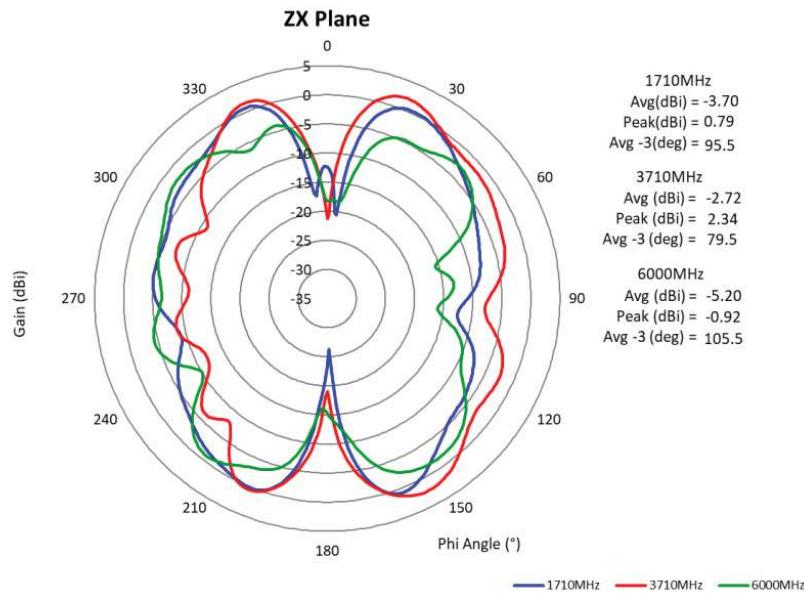


W3435xxxxx - 617MHz to 6000MHz

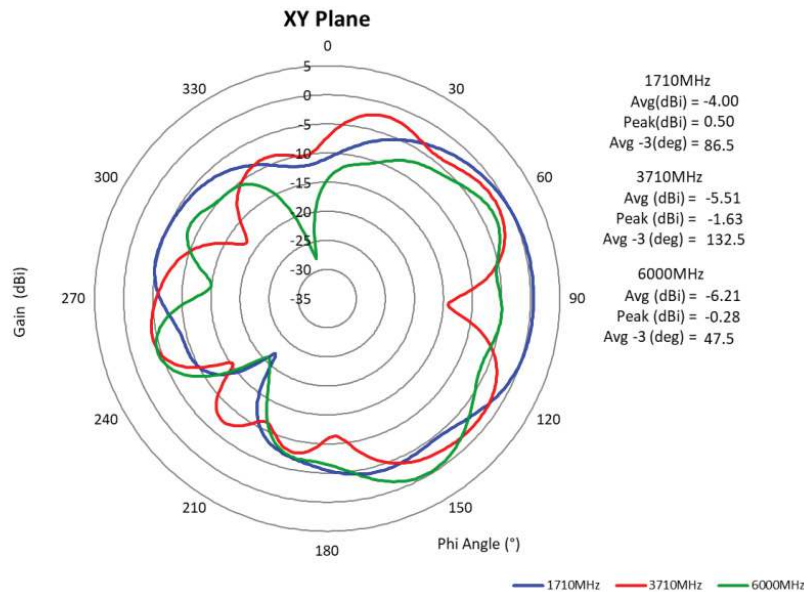
Radiation Patterns Charts

1710MHz - 2690MHz

Elevation Plane



Azimuth Plane



Internal 5G FR1 FPC Antenna with Cable Assembly

W3435xxxxx - 617MHz to 6000MHz

PACKAGING

W3435xxxxx

10pcs antenna per PE bag
10pcs PE bags per form bag
12pcs form bag per package box
Total 1200pcs per package box
Package box: 4600mm*235mm*140mm

For More Information:

Americas - antennas.us@pulseelectronics.com | Europe - antennas.eu@pulseelectronics.com | Asia - antennas.as@pulseelectronics.com | Questions? +1-800-ANTENNA

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2020. Pulse Electronics, Inc. All rights reserved.