



Applications:

-  5G FR1/4G
-  Includes Band 71 (617-698MHz)
-  Foldable for tight spaces
-  Security, Video, Graphics
-  Transportation, Tracking
-  IoT Devices

Electrical specifications @ 25° C – Operating Temperatures – 40°C to +80°C

Frequency Bands – 617-960/1710-2690/3300-4200/4400-5000/5150-6000 MHz

Antenna type ²	Nominal Impedance	Polarization	Radiation pattern	Power withstanding
Dipole	50Ω	Linear	Omni	3W

Port	Frequency (MHz)	617-960	1710-2690	3300-4200	4400-5000	5150-6000
Port 1	Return Loss (dB)	< -5	< -5	< -5	< -5	< -5
	Peak Gain (dBi)	2	5	3.5	6	4
	Avg. Efficiency (%)	40	60	55	40	40

Mechanical Specifications

Orderable PN: W3435B0100

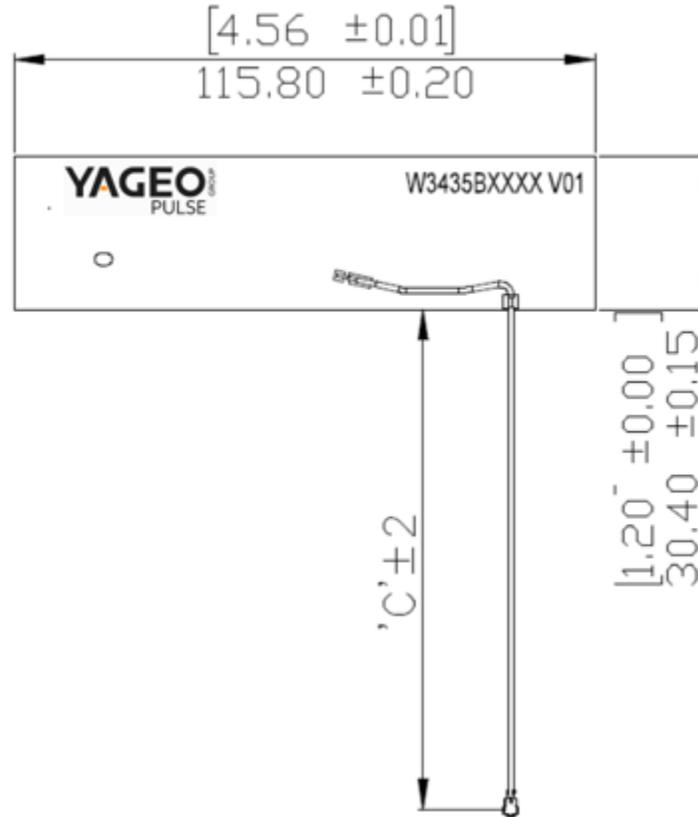
Dimension	Color	Antenna Material	Connector Type ^{3, 5}	Cable Type
Length x Width x Thickness	Black	FPC+3M 467	Equivalent of I-PEX MHF	1.13mm
Cable Length ^{4, 5}	Weight	RoHS-6 Compliant		
100mm	2gram	Yes		

Notes:

1. Storage Temperature: -40°C to 80°C
2. FPC antenna is measured on the 2mm ABS/PC plate.
3. Default Connector: Equivalent of I-PEX MHF or compatible with U.FL connector.
4. Cable length is a distance between the edge of PCB and the center of connector.
5. Contact sales for custom cable lengths and connector type.

Mechanical Drawing

W3435B0100

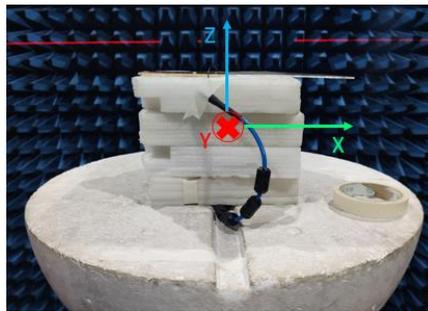


P.N	C' LENGTH	CABLE TYPE	CONNECTOR TYPE
W3435B0100	100mm	AWG#32 1.13mm	Equivalent of I-PEX MHF

Dimensions: mm
 Unless otherwise specified, all tolerances are ± 0.25 mm

Testing Setup

W3435B0100



Measured on 2mm thick PC plate with 100mm cable.

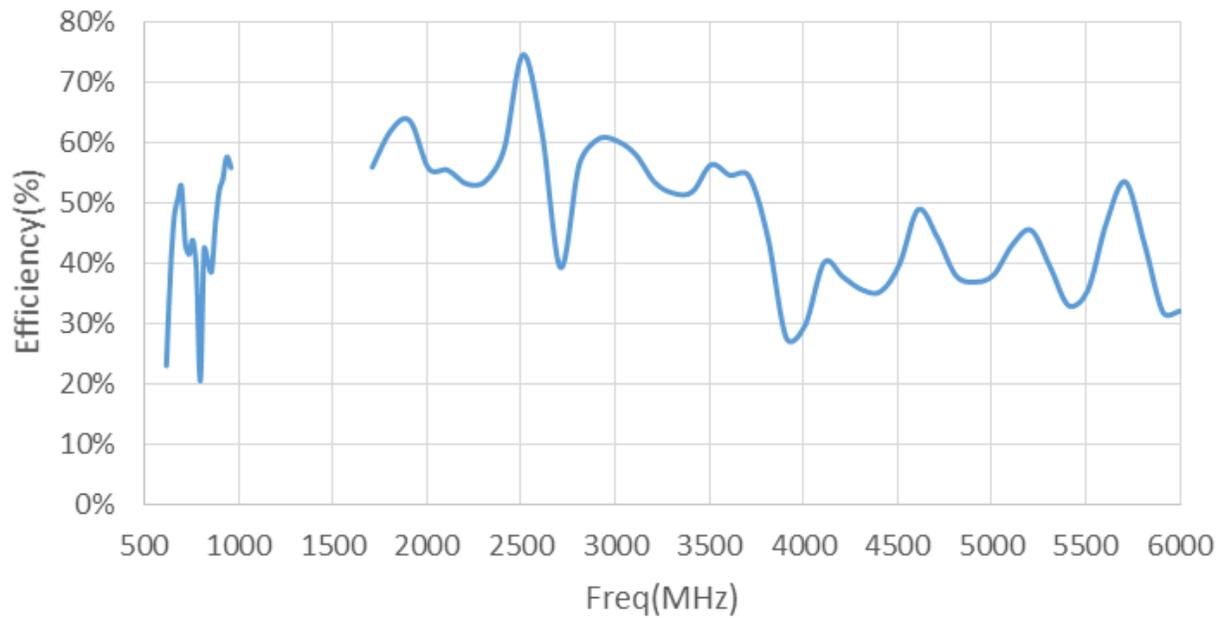
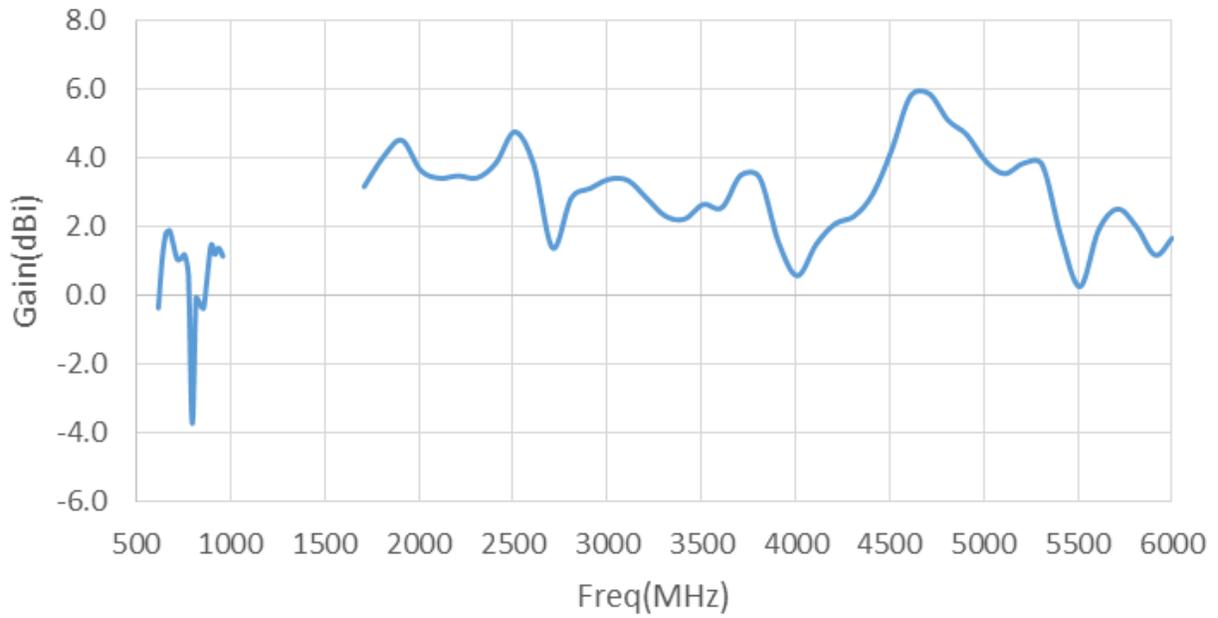
Charts- Return Loss

W3435B0100



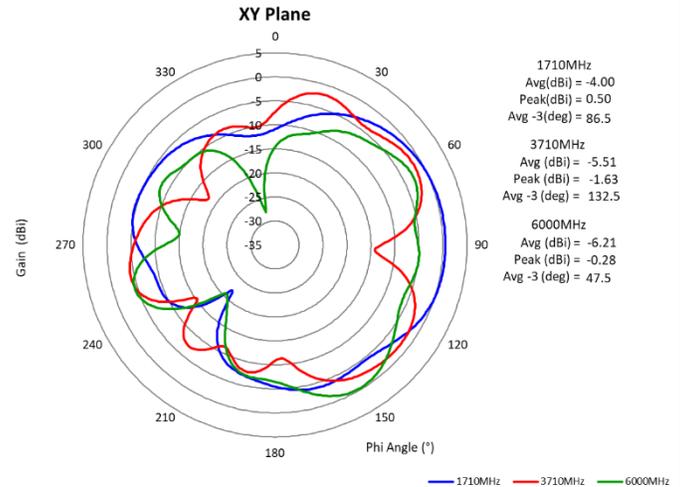
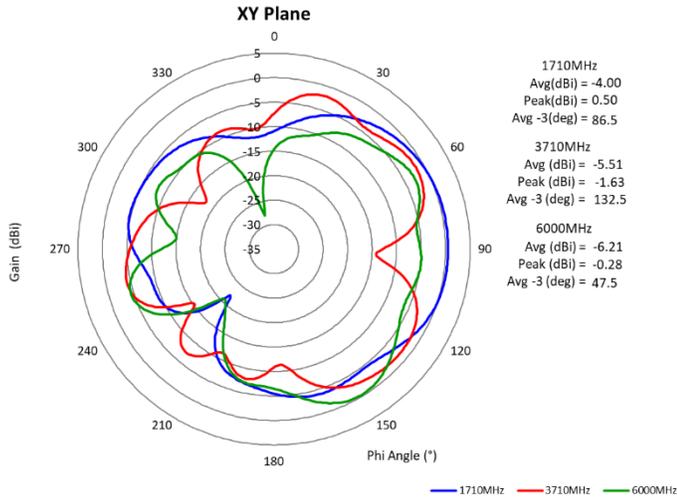
Charts- Peak Gain and Efficiency

W3435B0100



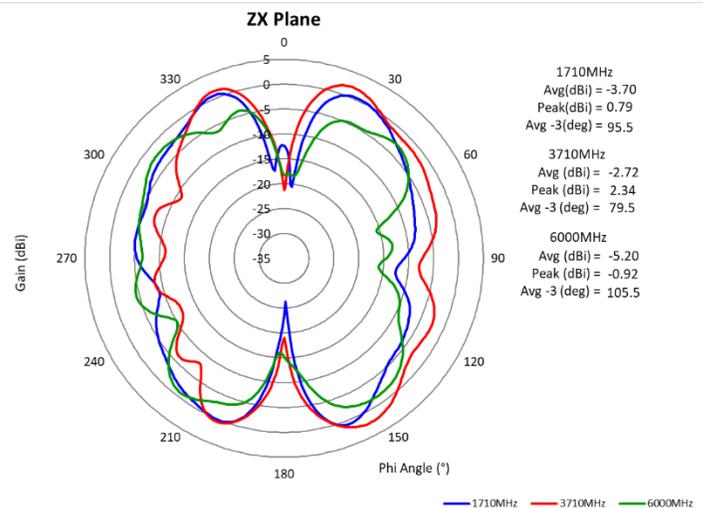
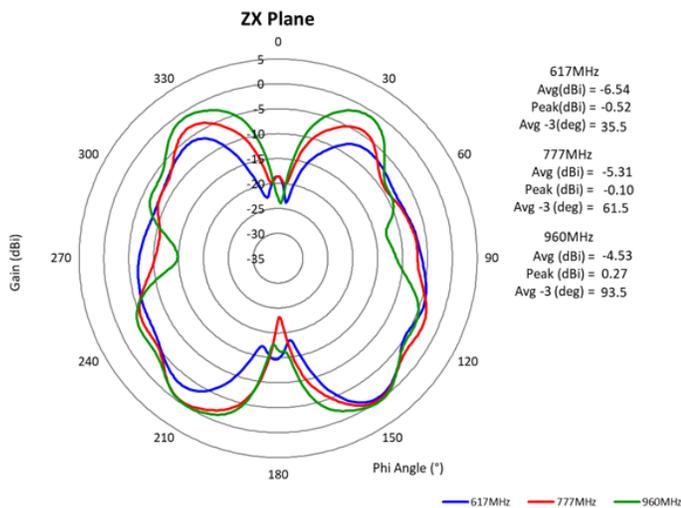
Charts- XY Gain Plots, Port 1

W3435B0100



Charts – ZX Gain Plots, Port 1

W3435B0100



Package

W3435B0100

Packaging info:

10 antennas put into a PE bag, every 10 PE bag into a bubble bag and sealing it.

12 bubble bags into 1 out box.

Total 1200pcs antenna in 1 out box.

Package box size: 4600mm x 235mm x 1400mm

Additional Product Info

W3435B100

Family Products – 5G FR1 FPC

5G / 4G FPC Antennas

Orderable PN	Frequency (MHz)	Connector Type	Cable Length	Cable Type
W6114B0100	617-960/1427-7125	Equivalent of I-PEX MHF	100mm	1.13mm (AWG#32)
W3929B0100	617-960/1710-3900	Equivalent of I-PEX MHF	100mm	1.13mm (AWG#32)

For More Information:

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