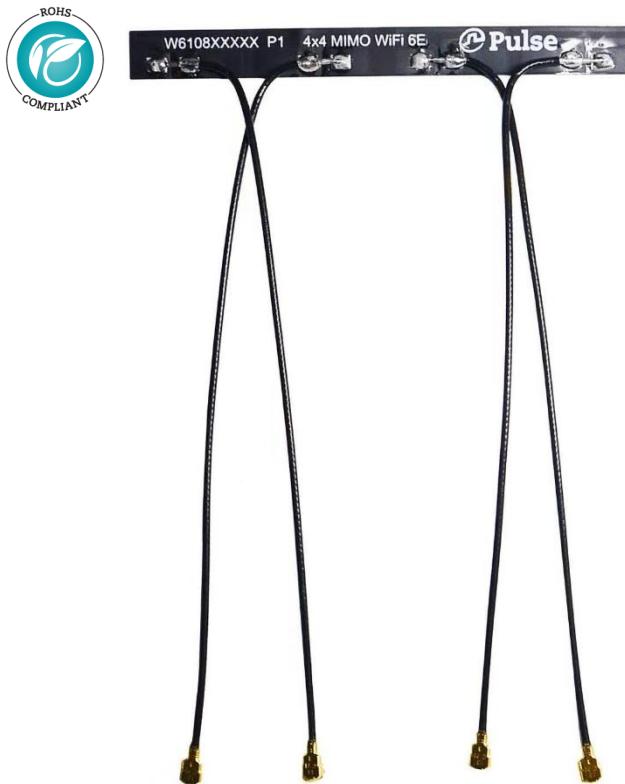


## 4x4 MIMO WiFi 6E Antenna

### FPCB Antenna

W6108B0100 – 2.4 to 2.48 GHz/5.15 to 7.125GHz



#### Features & Applications:

- ⌚ FPCB with adhesive
- ⌚ Size 72.8x7.6mm
- ⌚ 1.13mm cable with U.FL Compatible
- ⌚ RoHS Compliant
- ⌚ WiFi 6E, WiFi 7

#### ELECTRICAL SPECIFICATIONS @ 25°C

General Specifications					
Antenna type	Nominal Impedance	Polarization	Radiation pattern		Power withstanding
Dipole	50Ω	Linear	Omni		1W
Frequency (MHz)		2400-2480		5150-7150	
Return Loss(dB)		<7		<7	
Peak Gain (dBi)		3.7		7.4	
Efficiency (%)		52.6		85.3	

#### MECHANICAL SPECIFICATIONS

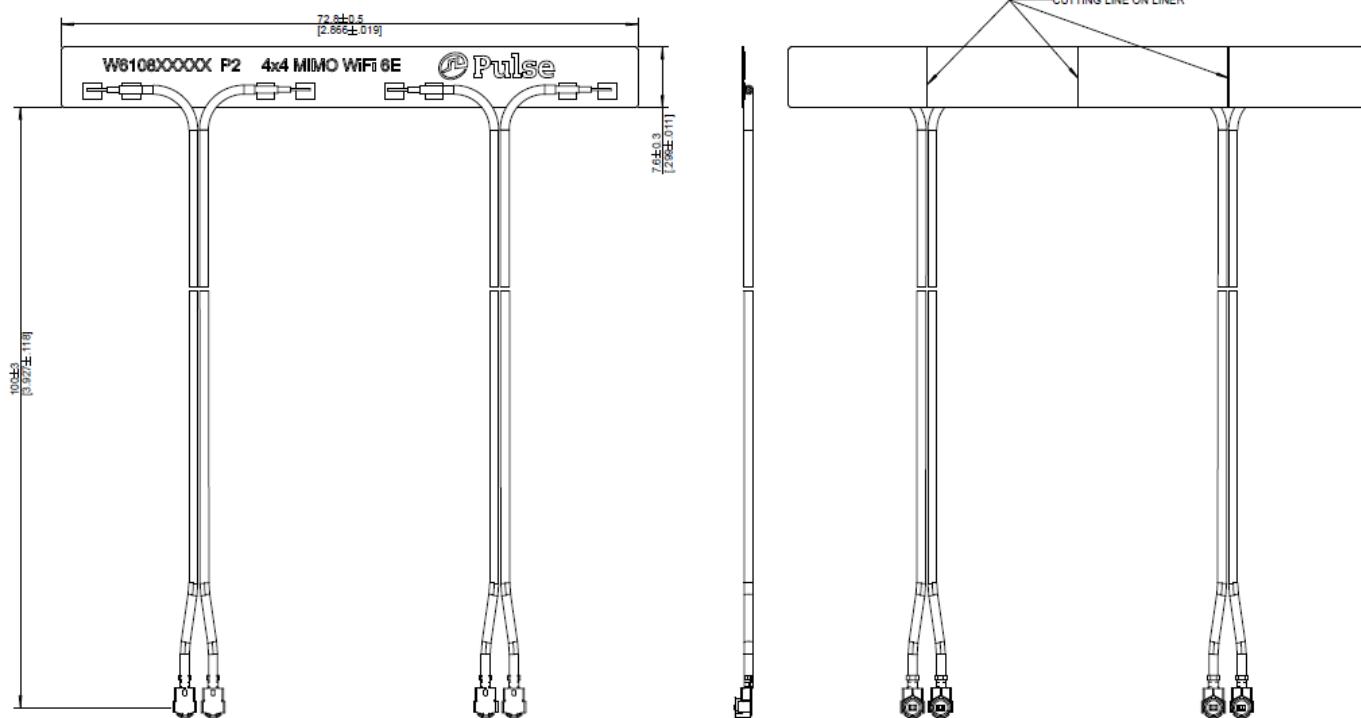
W6108B0100					
Dimension (Length x Width)	Material	Color	Cable type	Connector Type	Cable length
72.8mm x 7.6mm	FPCB	Black	1.13 coaxial cable	U.FL Compatible	100mm
Thickness	Weight				
2.3mm	1.72g				

#### ENVIRONMENTAL SPECIFICATIONS

W6108B0100			
Storage Temperature	Operating Temperature	Ingress Protection	RoHS Compliant
-40/+85° C	-40/+85° C	N/A	Yes

## Mechanical Drawing

W6108B0100



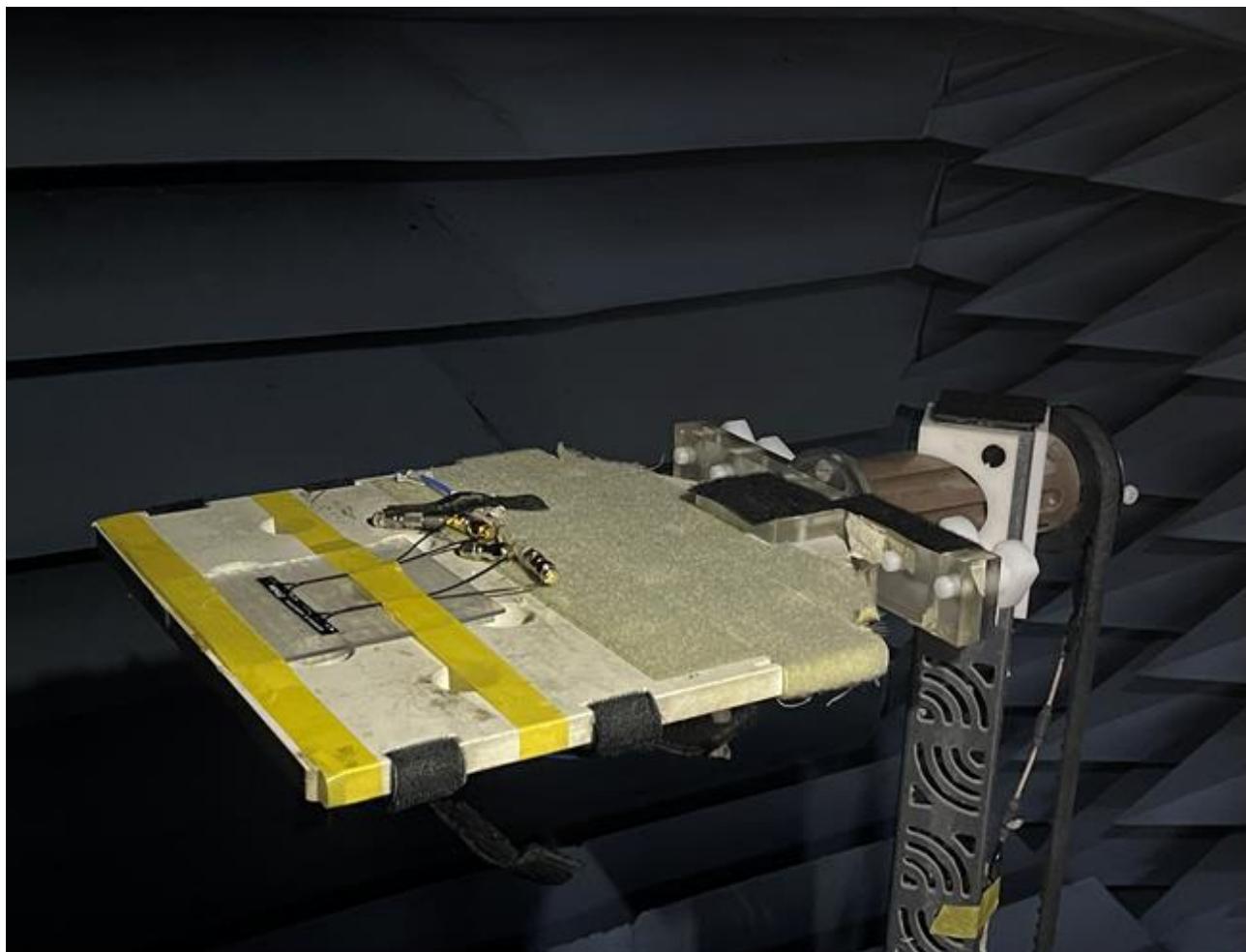
Dimensions: MM/inches Unless otherwise specified, all tolerances are ±.010 (0.25mm)

### Test Setup

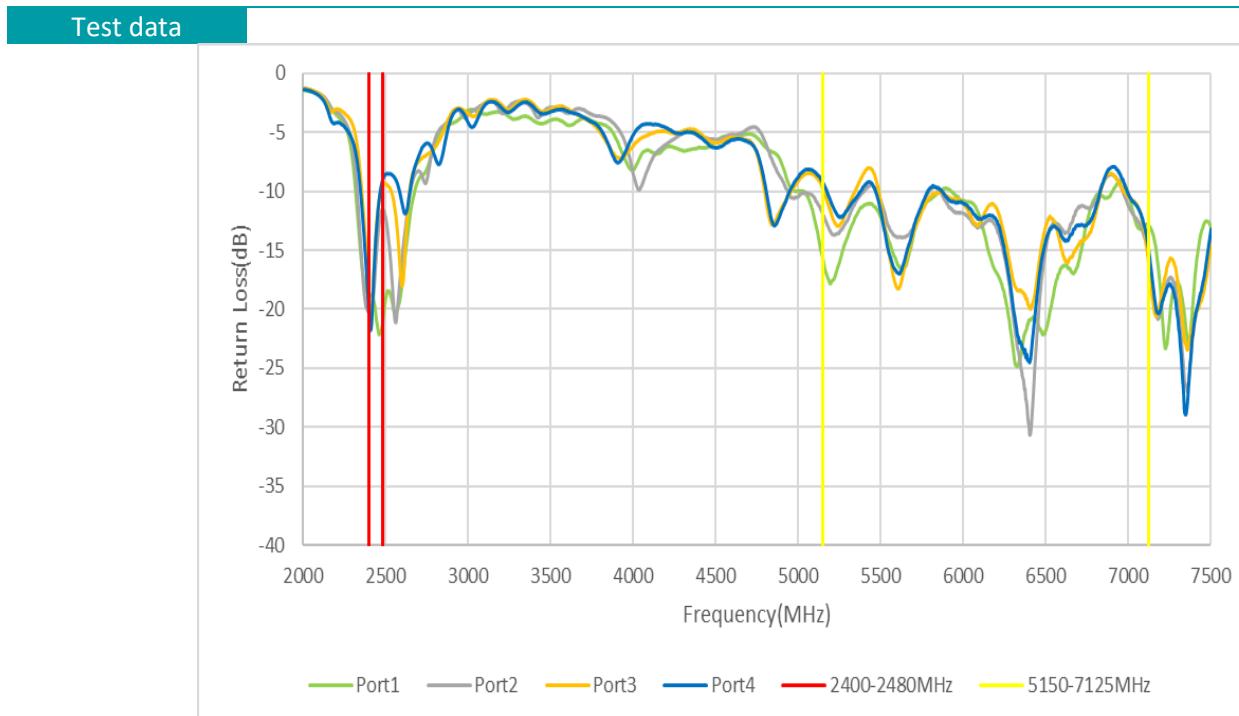
#### General / Chamber Setup

- Measured at Pulse YP (ETS Lindgren Chamber)
- Test data measured with 100mm cable W6108B0100
- Antenna mounted on 2mm thick PC plate

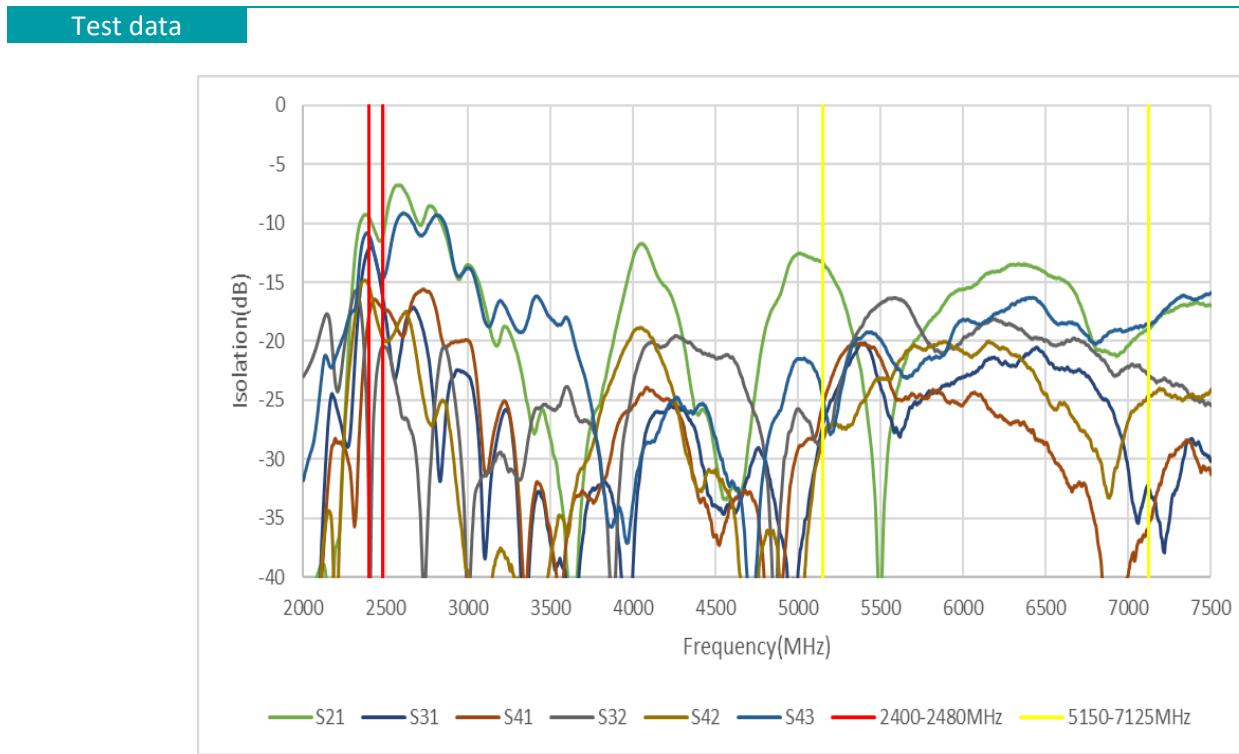
*Measurement setup*



### Charts – Return Loss

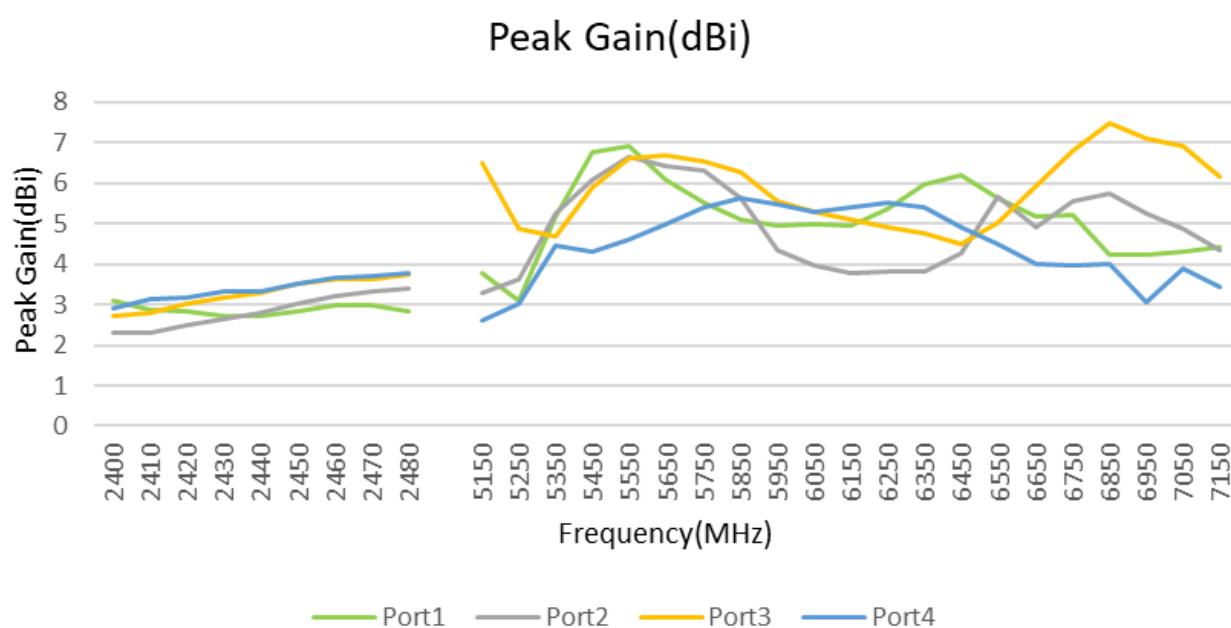


### Charts - Isolation



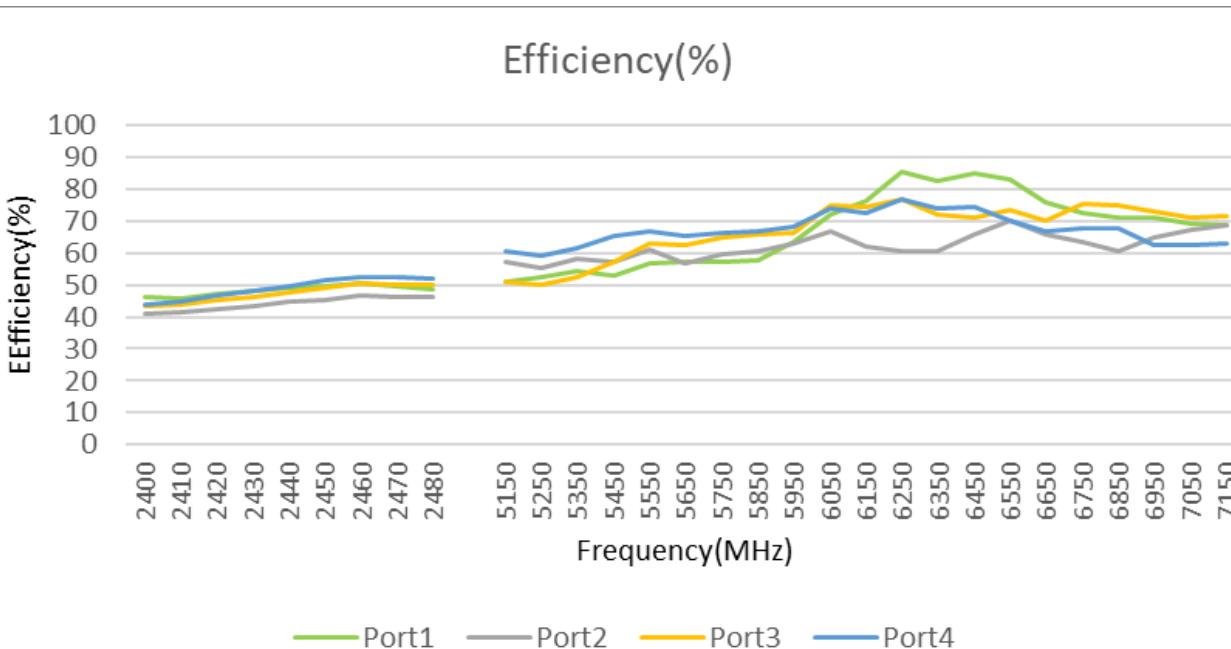
## Charts – Peak Gain(dBi)

Test data



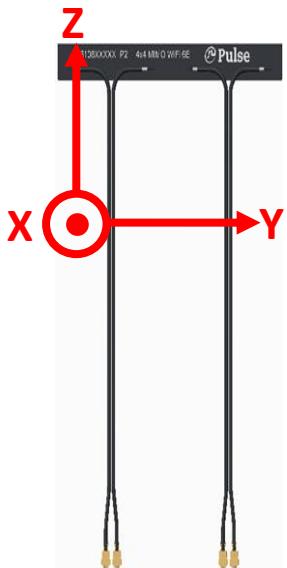
## Charts – Efficiency(%)

Test data

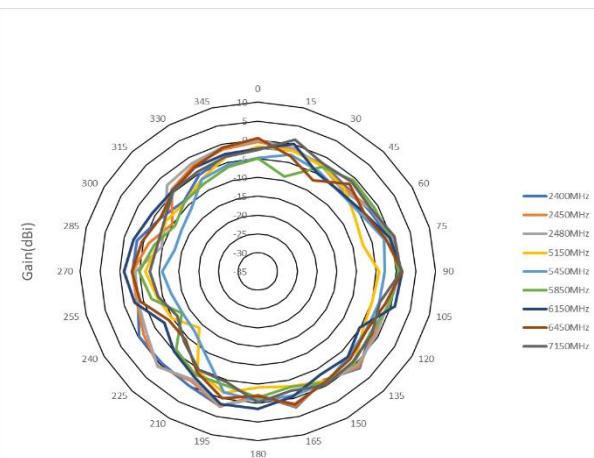


## Port1 Radiation Pattern– XY and XZ Gain Plots

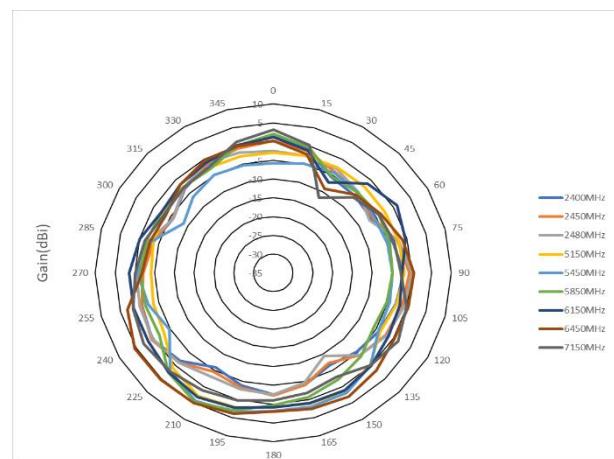
Test data



XY Plane



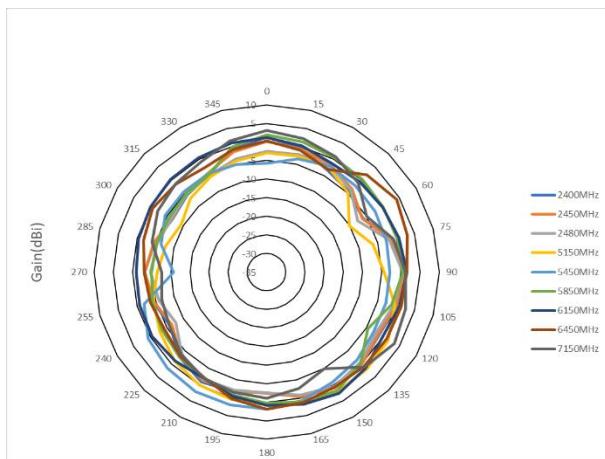
XZ Plane



## Port1 Radiation Pattern – YZ Gain Plots

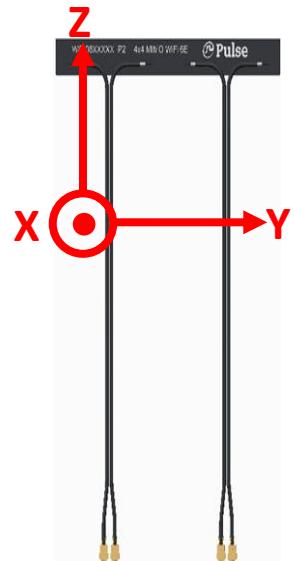
Test data

YZ Plane

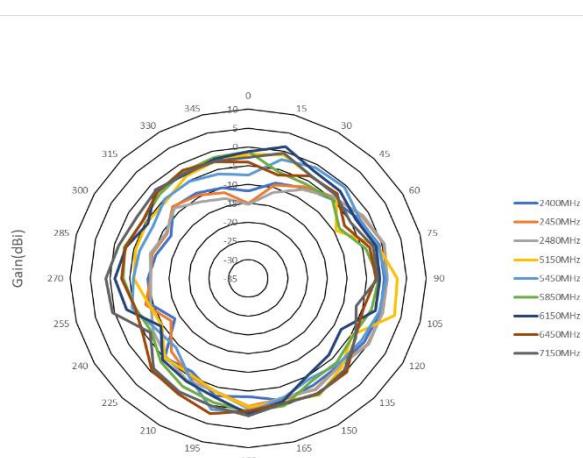


## Port2 Radiation Pattern – XY and XZ Gain Plots

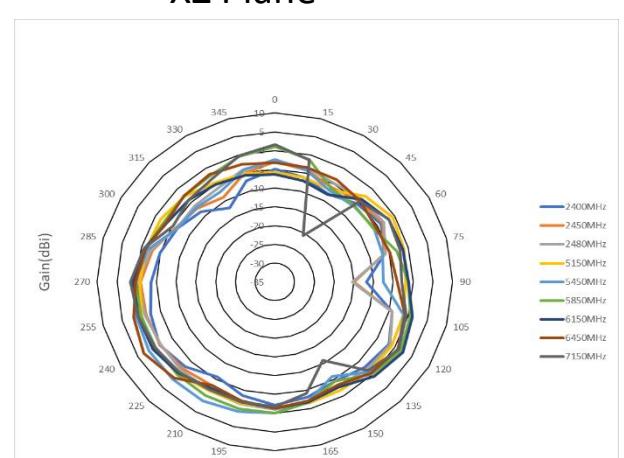
Test data



XY Plane



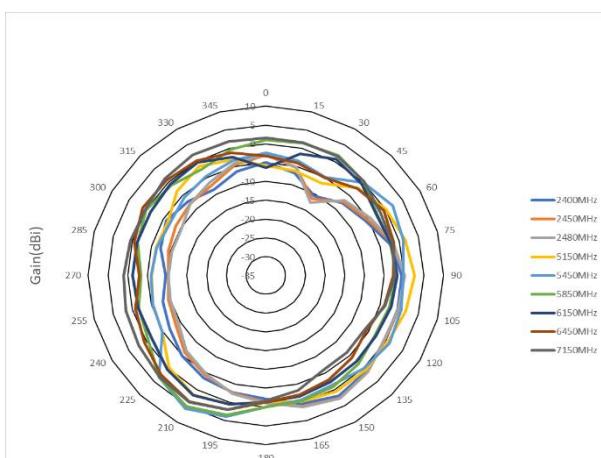
XZ Plane



## Port2 Radiation Pattern – YZ Gain Plots

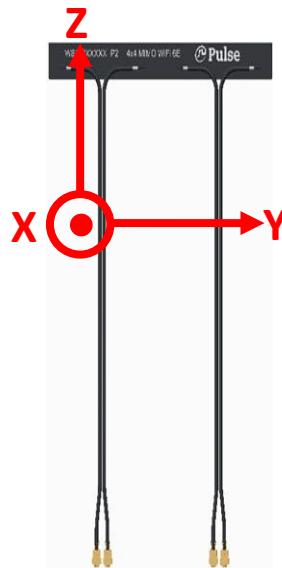
Test data

YZ Plane

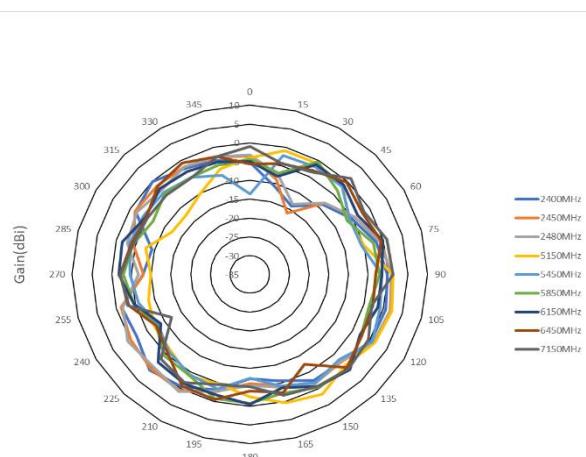


## Port3 Radiation Pattern – XY and XZ Gain Plots

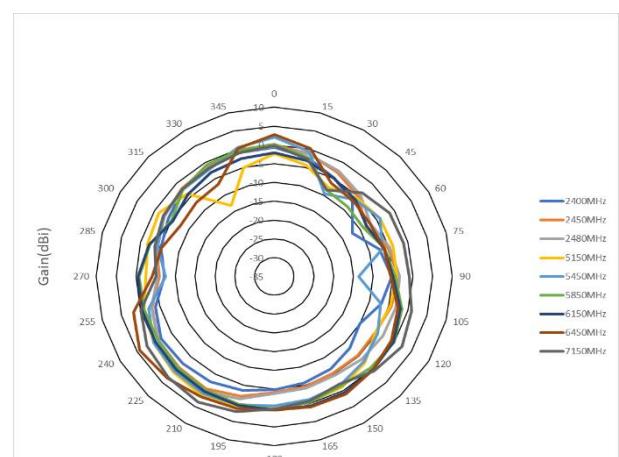
Test data



XY Plane



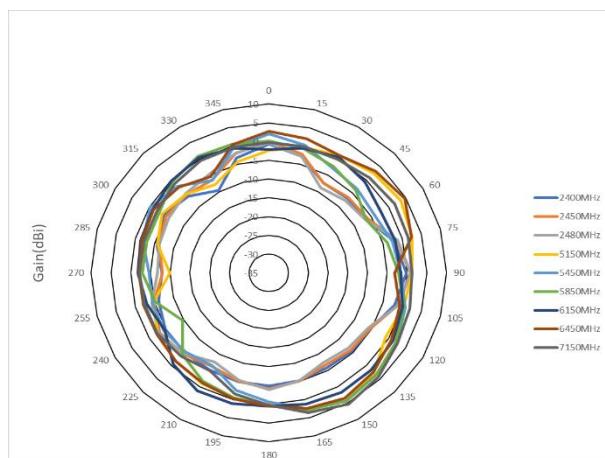
XZ Plane



## Port3 Radiation Pattern – YZ Gain Plots

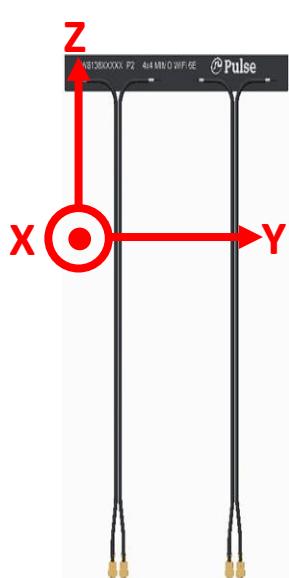
Test data

YZ Plane

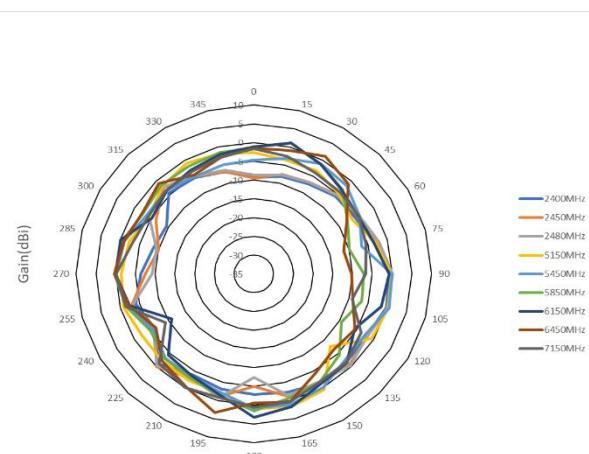


## Port4 Radiation Pattern – XY and XZ Gain Plots

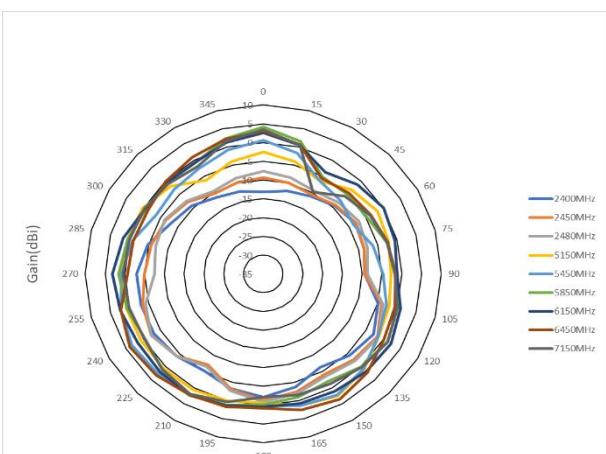
Test data



XY Plane



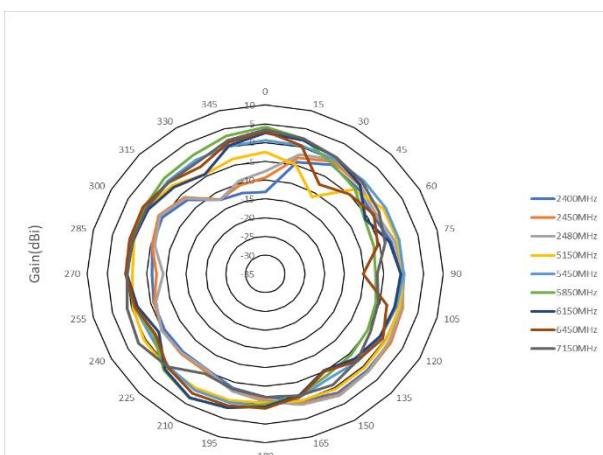
XZ Plane



## Port4 Radiation Pattern – YZ Gain Plots

Test data

YZ Plane



## PACKAGING

W6108B0100

10PCS/PE bag  
10 PE bag/foam bag  
50 foam bag/ carton box  
Total 5000PCS/Carton box  
Package box: 4600mm\*235mm\*140mm

**For More Information:**

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