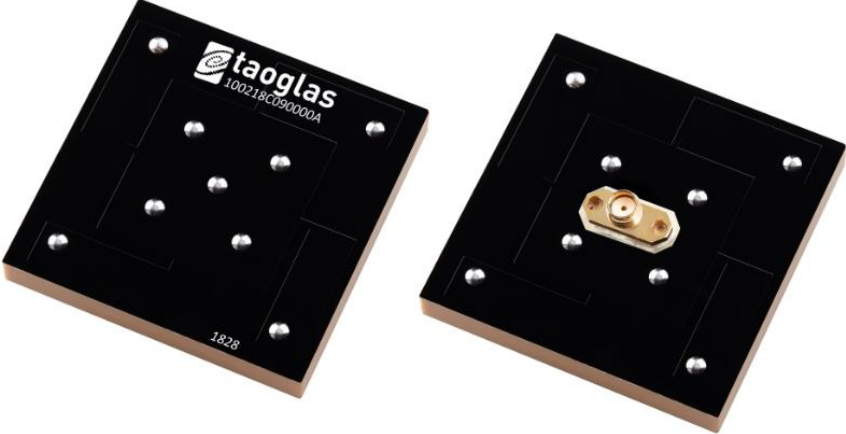






specified by the module manufacturer and enlisting our help will ensure you are getting the best performance possible without exceeding the peak gain limits.

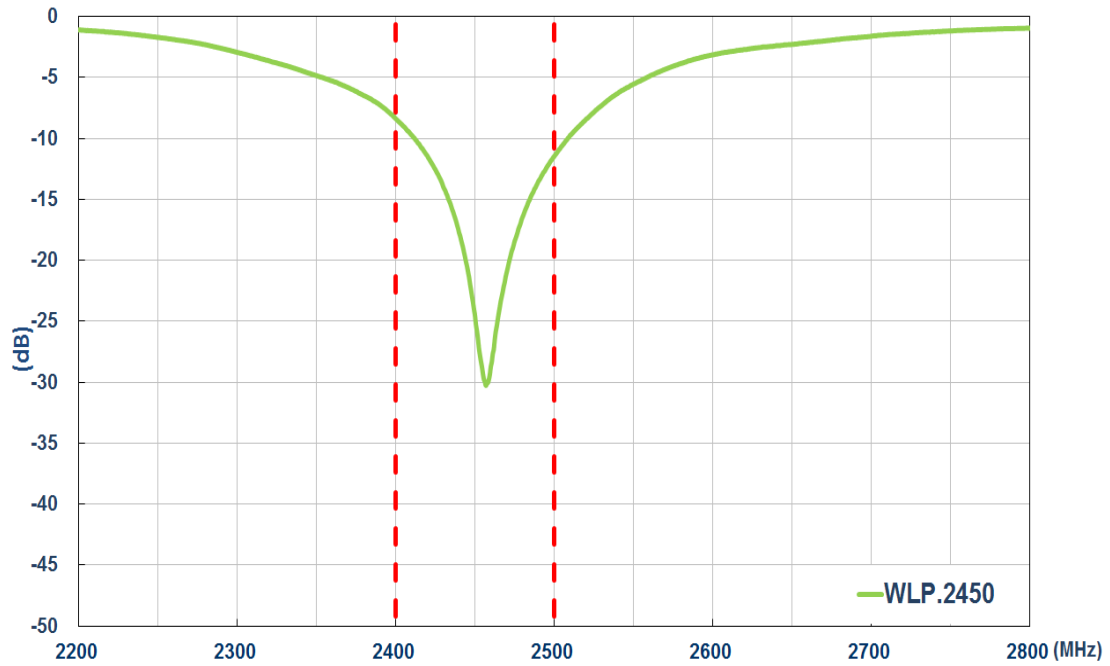


## 2. Specification

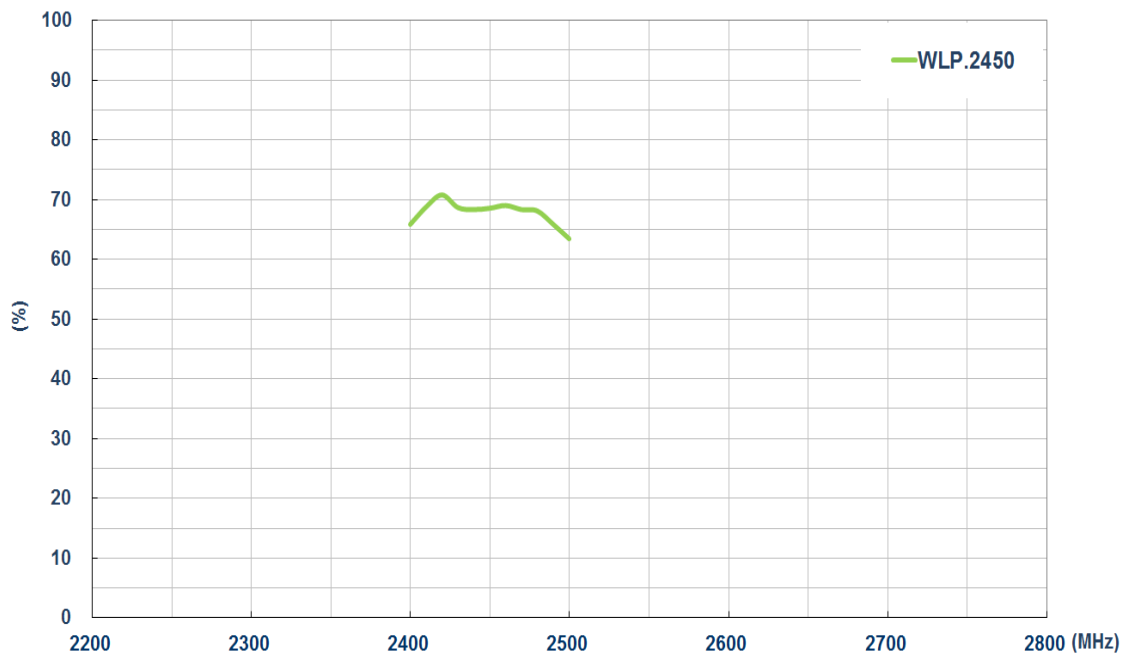
2.4GHz Wi-Fi Antenna			
Frequency (MHz)	2400	2450	2500
Efficiency (%)			
	65.9	68.6	63.5
Average Gain (dB)			
	-1.81	-1.64	-1.97
Peak Gain (dBi)			
	3.17	3.46	2.98
MECHANICAL			
Dimensions	Height = 6.4 mm & Diameter = 50mm		
Connector	SMA(F)		
Weight	28.8g		
ENVIRONMENTAL			
Temperature Range	-40°C to +85°C		
Thermal Shock	100 cycles -40°C to +85°C		
Humidity	Non-condensing 65°C 95% RH		

# 3. Antenna Characteristics

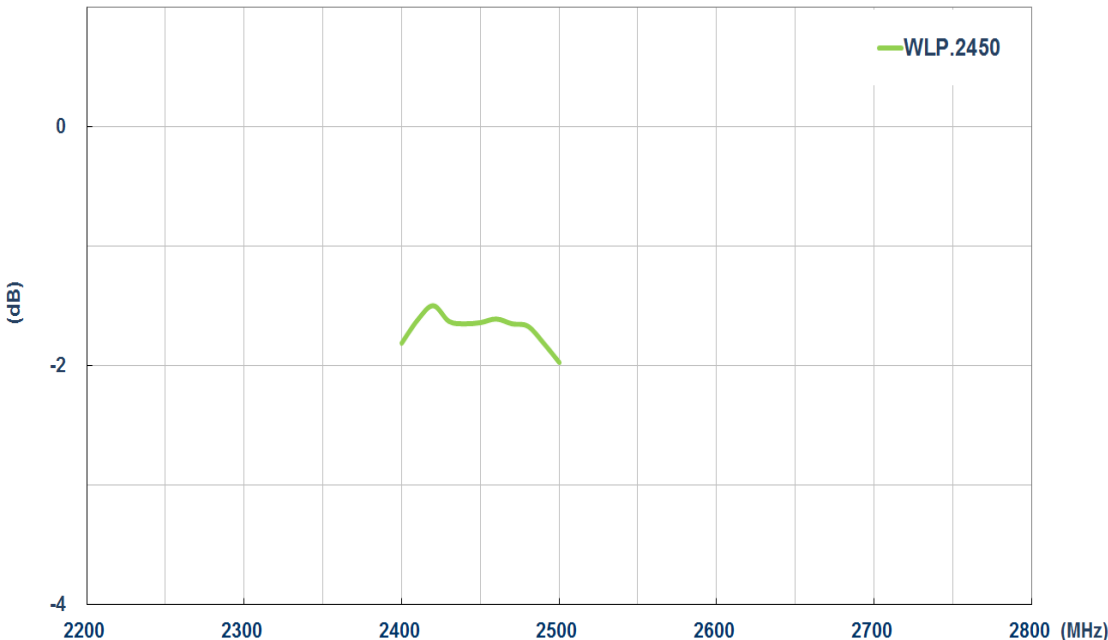
## 3.1 Return Loss



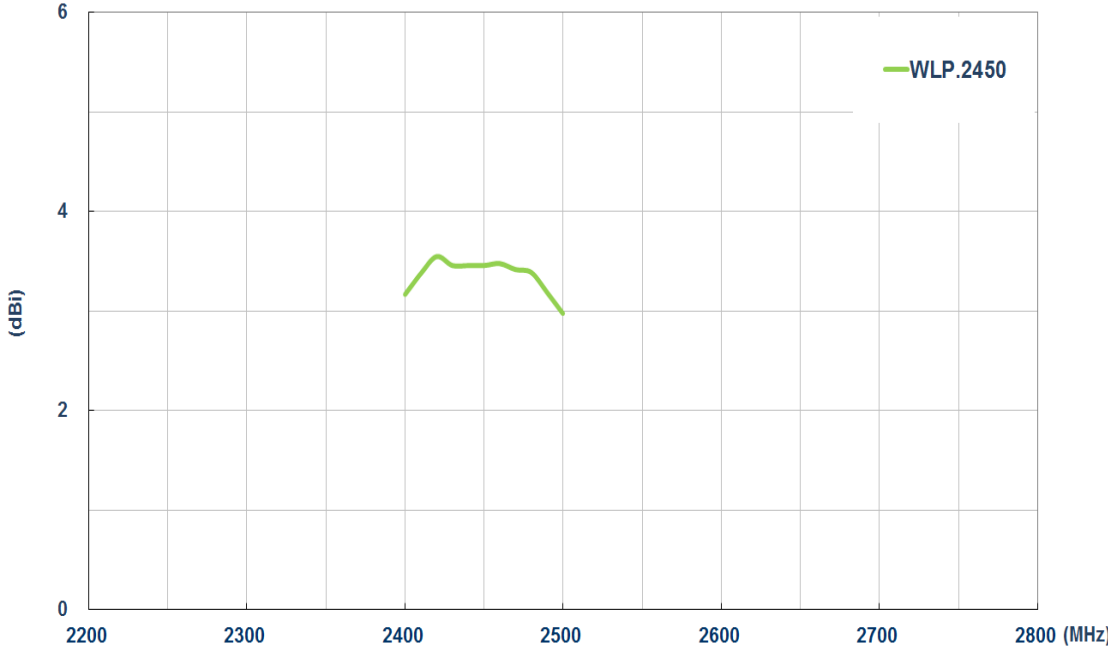
## 3.2 Efficiency



### 3.3 Average Gain

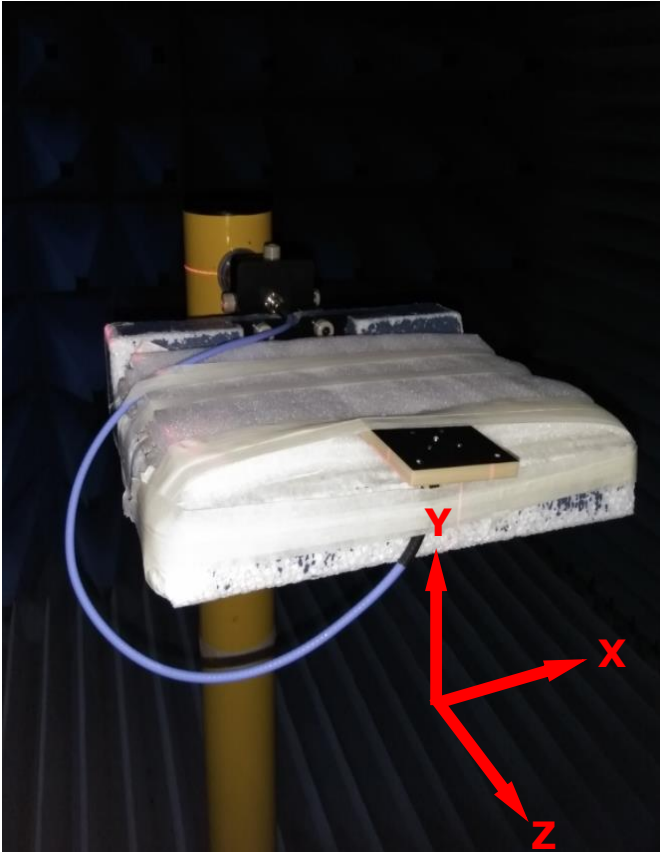


### 3.4 Peak Gain



# 4. Antenna Radiation Patterns

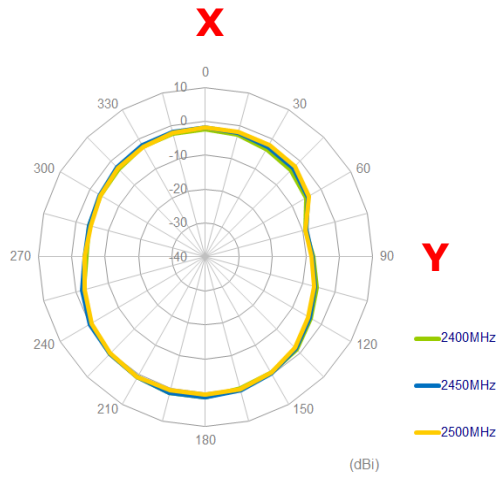
## 4.1 Antenna Setup (Antenna Test Setup in Anechoic Chamber)



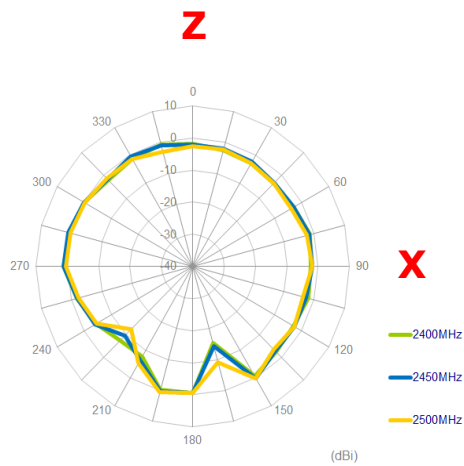
## 4.2 2D Radiation Patterns

### 4.2.1 Wi-Fi

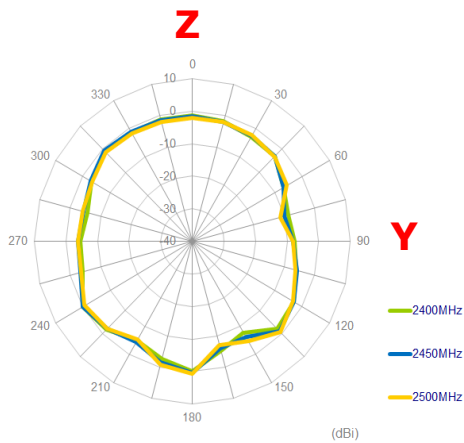
#### XY Plane



#### XZ Plane

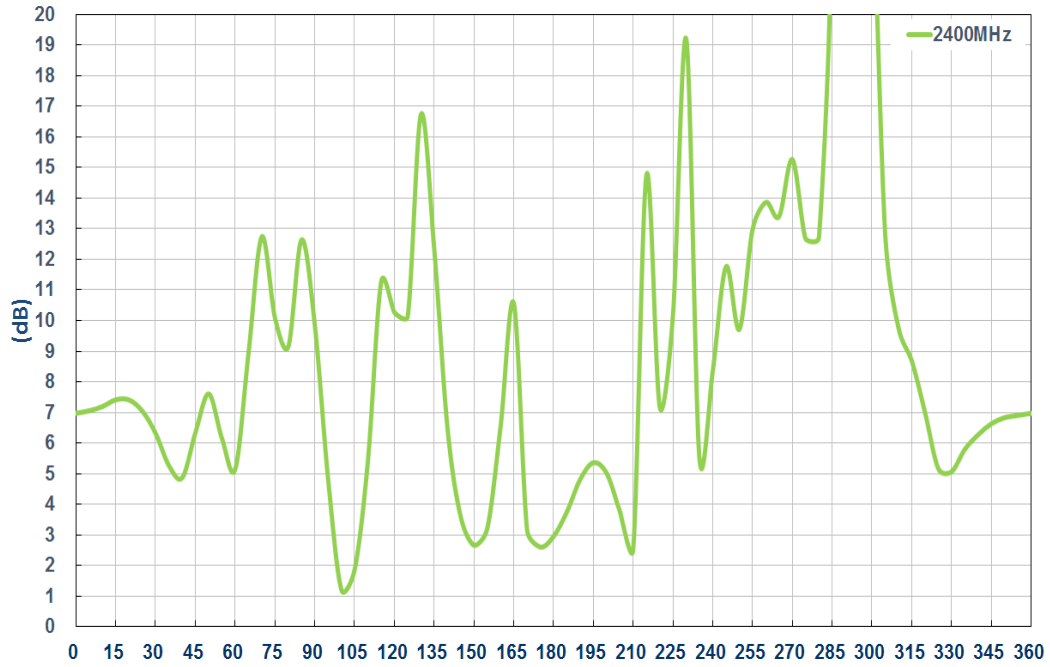


#### YZ Plane

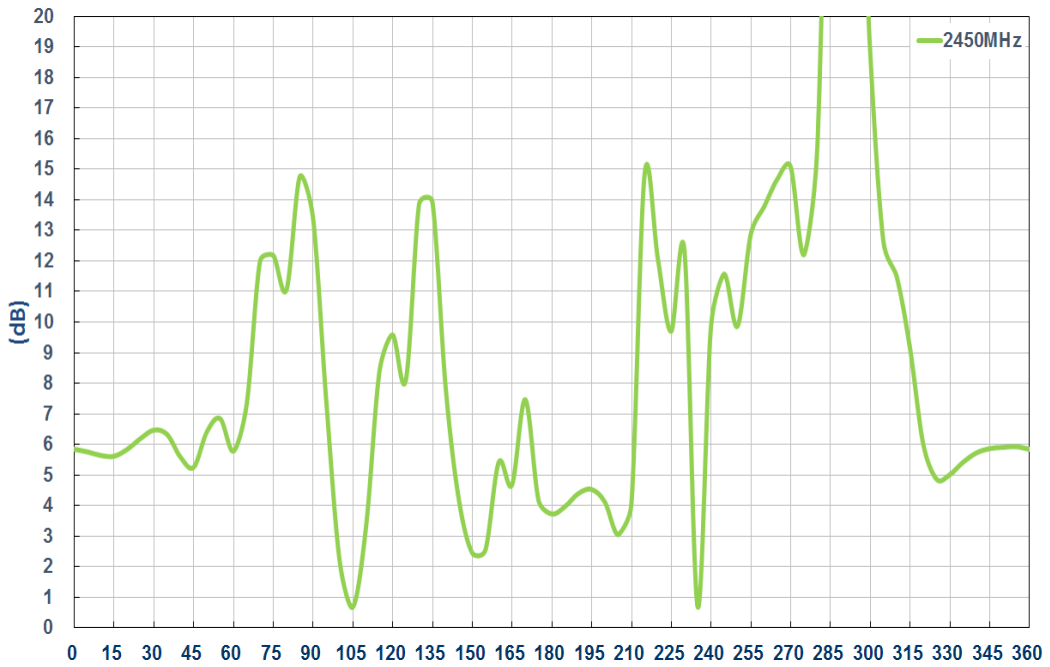




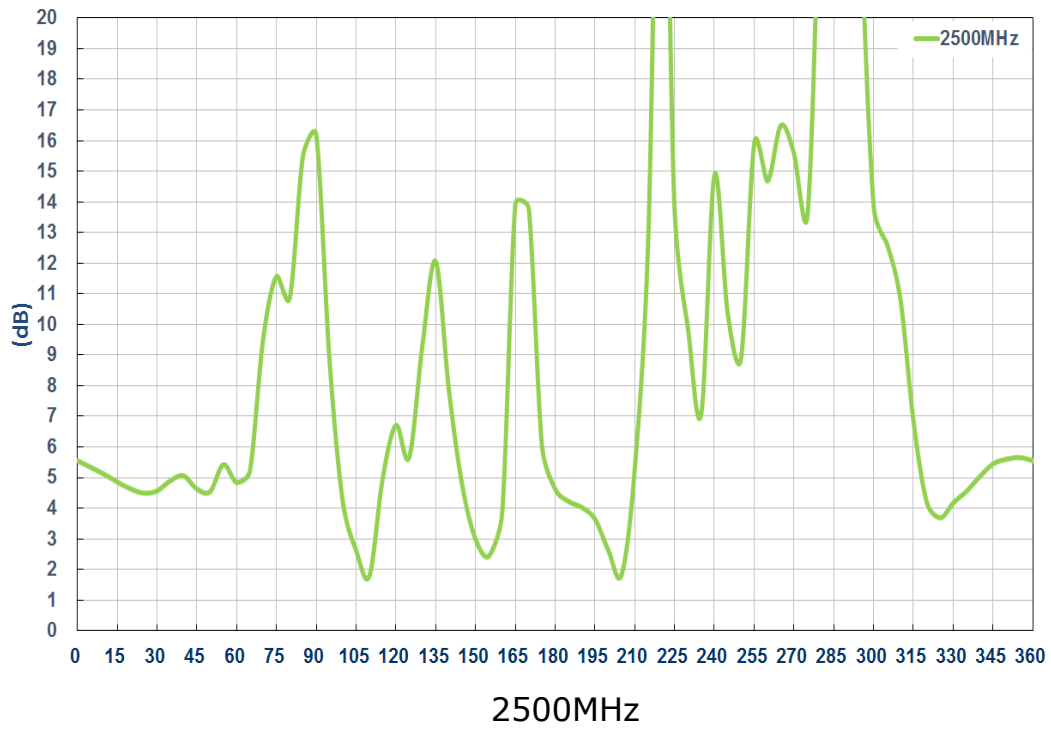
### 4.3 Axial Ratio



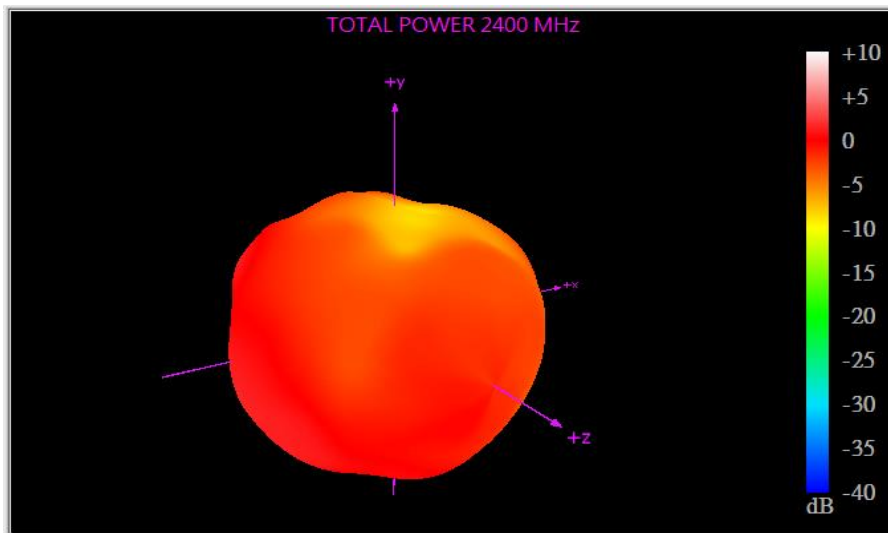
2400MHz

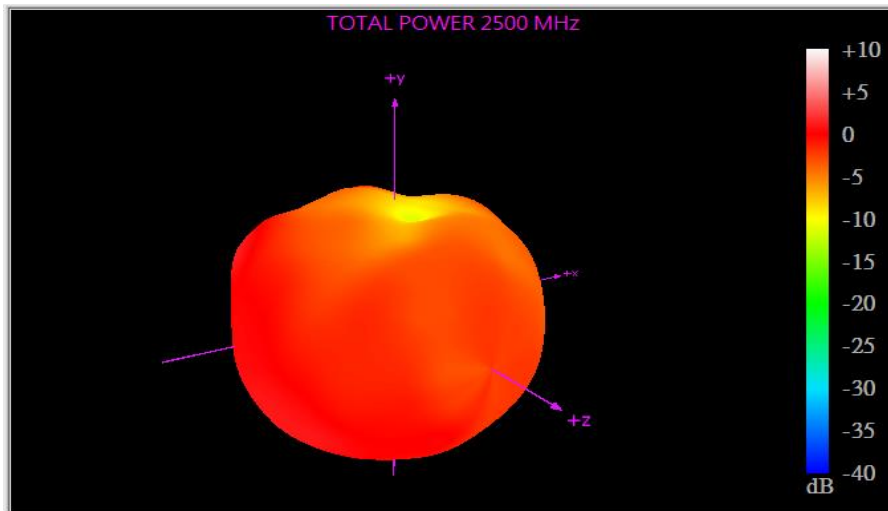
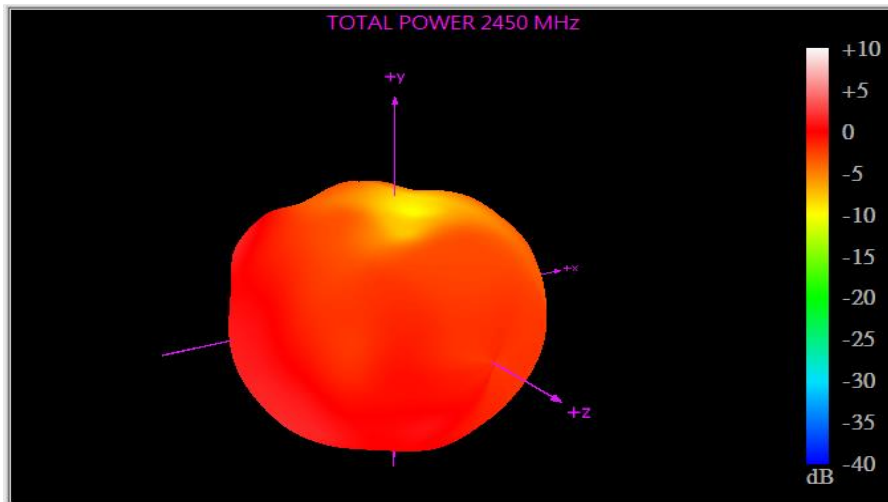


2450MHz

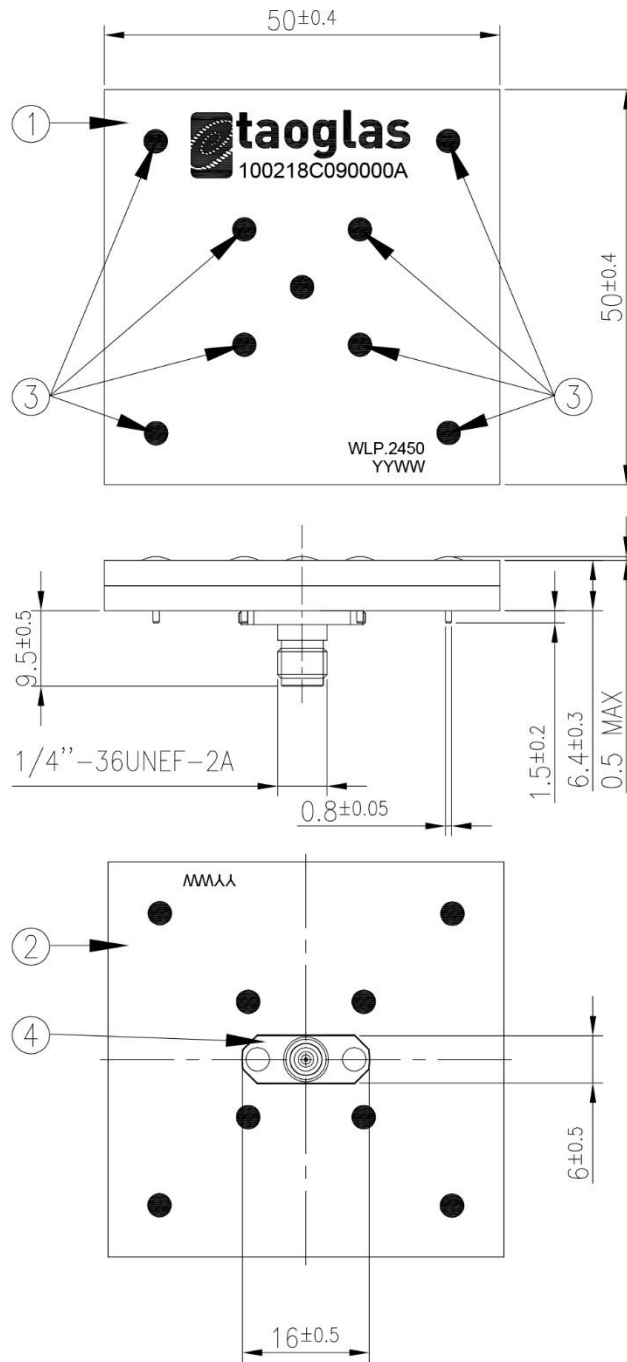


#### 4.4 3D Radiation Patterns





## 5. Mechanical Drawing (Unit: mm)

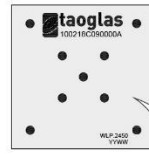


	Name	Material	Finish	QTY
1	WLP.2450 Top Layer (50x50x3mm)	Non-Ansi grade	Black	1
2	WLP.2450 Middle Layer (50x50x3mm)	Non-Ansi grade	Black	1
3	WLP.2450_PIN ( $\phi 1.3 \times L 8.1$ mm)	Brass	Ni Plated	8
4	SMA(F) ST For PCB	Brass	Au Plated	1

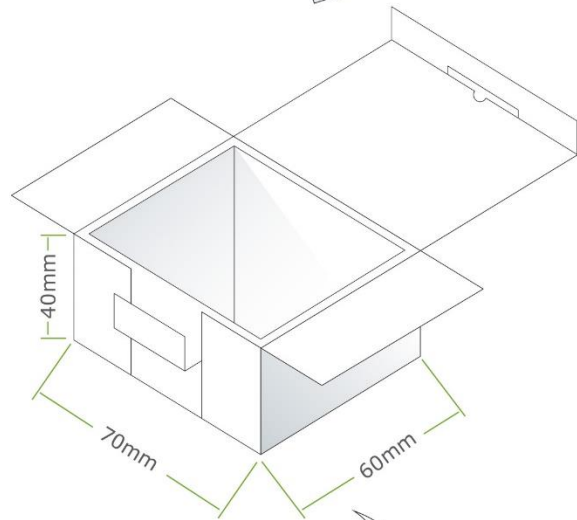
## 6. Packaging

**Per Box: 1 piece**

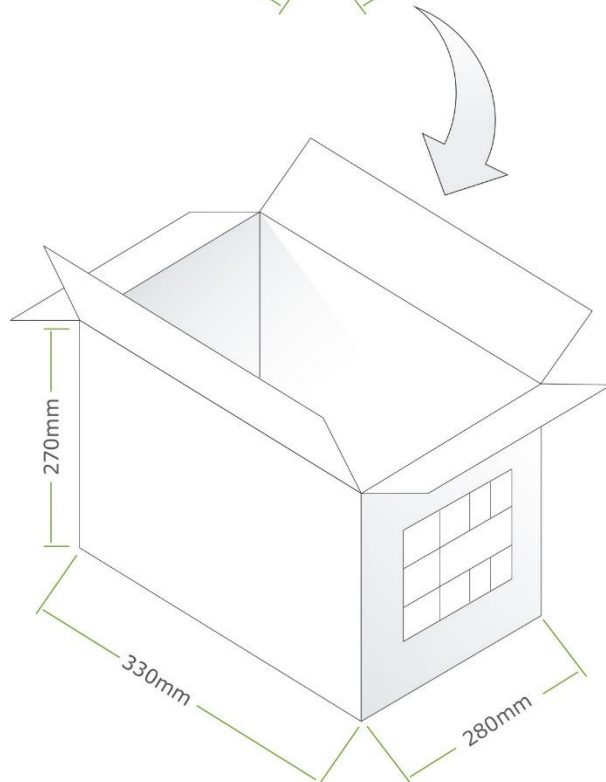
**Per Outer Carton(Outside Box) = 100 pieces**



1pc WLP.2450.50.6.A.08 per Box  
Box Dimensions - 70\*60\*40mm  
Weight - 28.8g



100pc WLP.2450.50.6.A.08 per Box  
Box Dimensions - 330\*280\*270mm  
Weight - 3.5Kg



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