

# Specification

Customer Name: \_\_\_\_\_

Customer material number: \_\_\_\_\_

Kosmos material number: \_\_\_\_\_

Specification Description: Dual-frequency PCB/1.13 line  
L=120MM (Generation 1 terminals)

Production Date: 23 April 2024

## Factory Confirmation:

Department	Audit	Approval
RF department	Liu Jingxiong	Li Bin
Structural Department	Xie Dongzhan	Li Bin
Quality Department	Wang Fei	Li Bin

## Customer Confirmation:

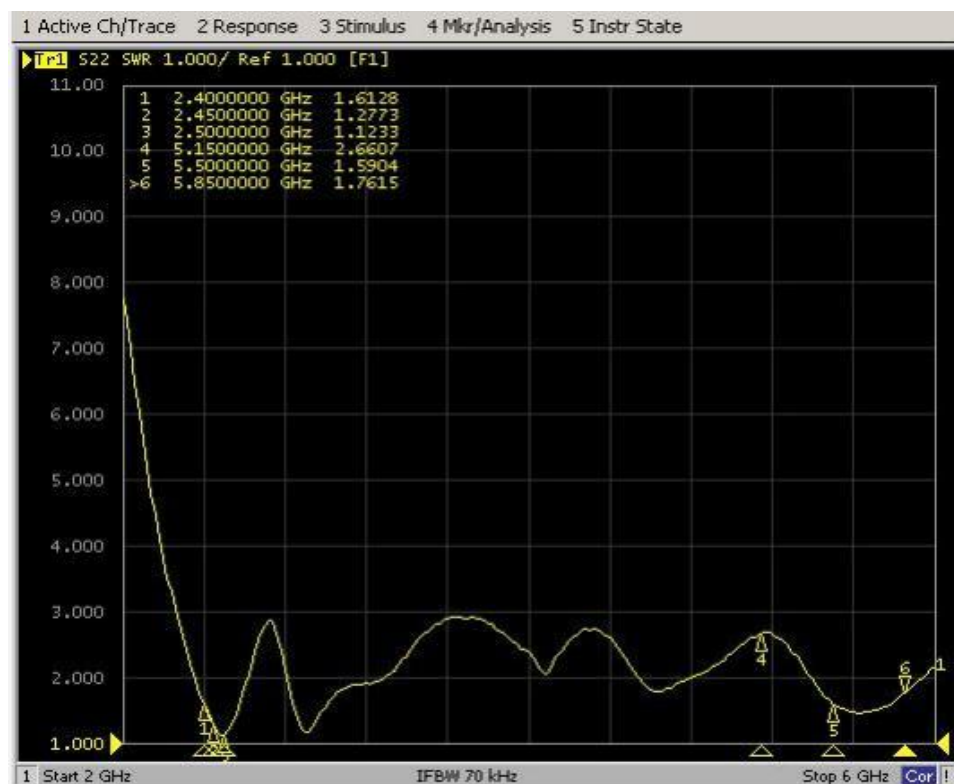
Inspection	Audit	Approval

## 1. Product Images:



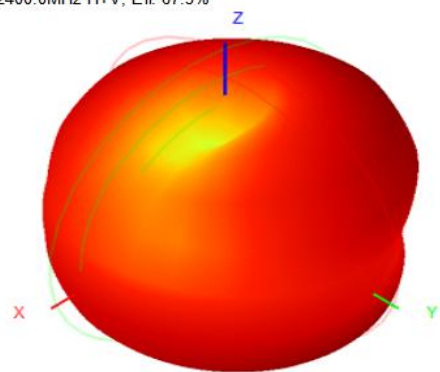
## 2. Electrical performance test report:

### VSW

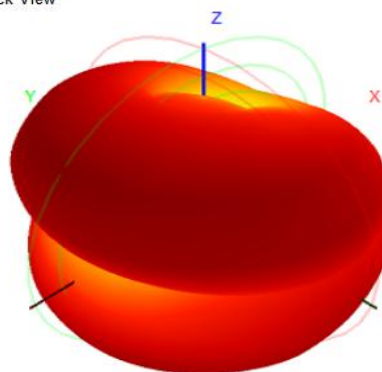




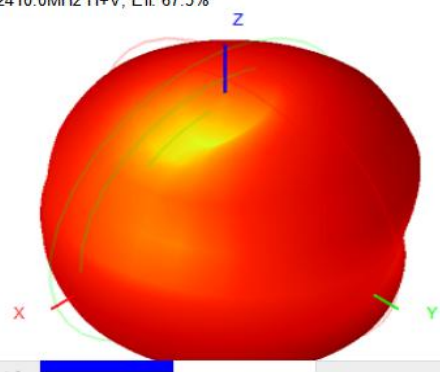
2400.0MHz H+V, Eff. 67.3%



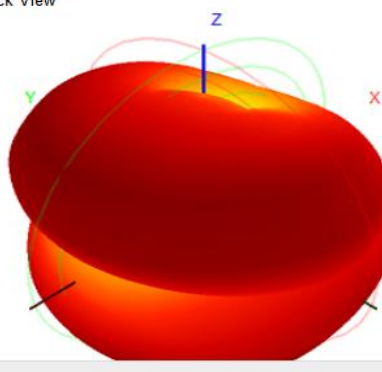
Back View



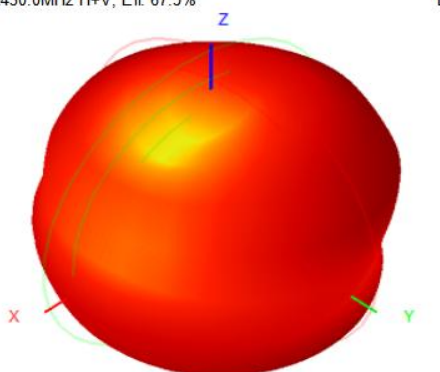
2410.0MHz H+V, Eff. 67.5%



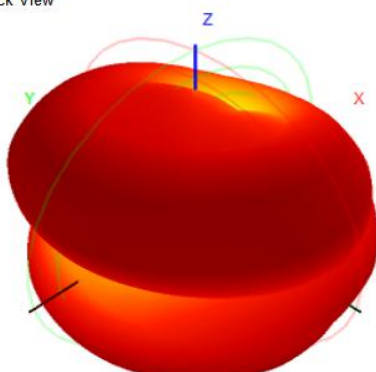
Back View



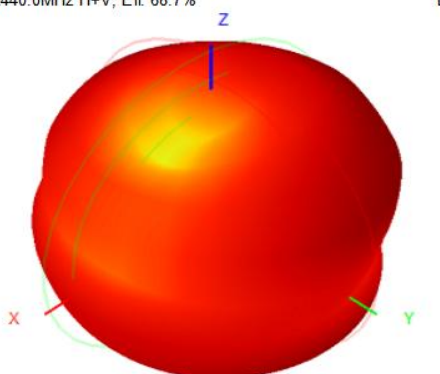
2430.0MHz H+V, Eff. 67.5%



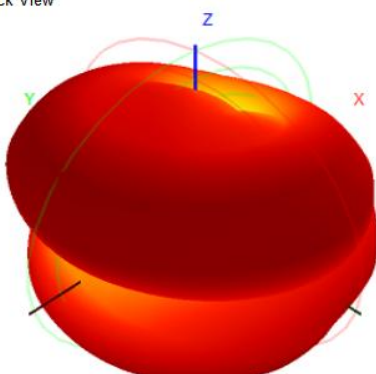
Back View



2440.0MHz H+V, Eff. 68.7%

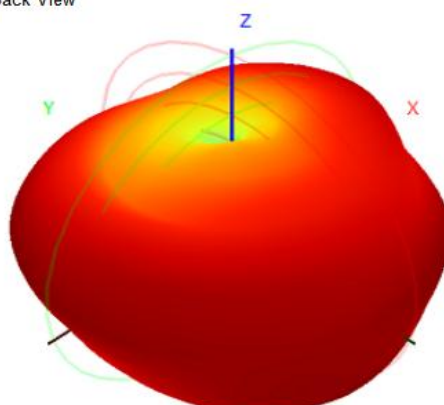
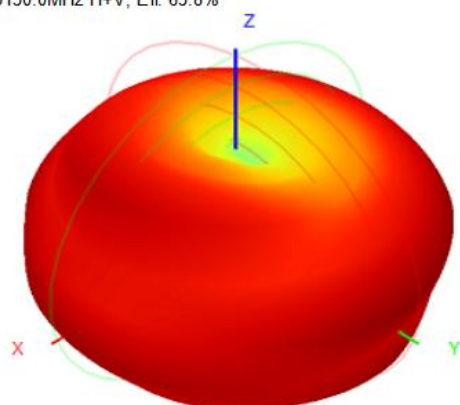


Back View



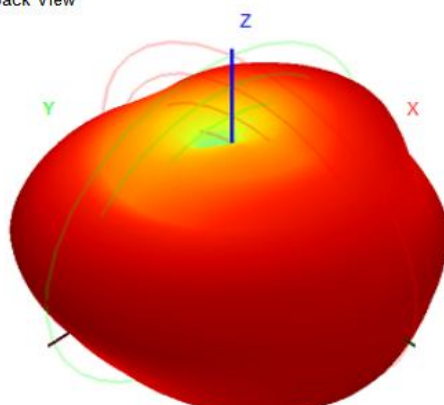
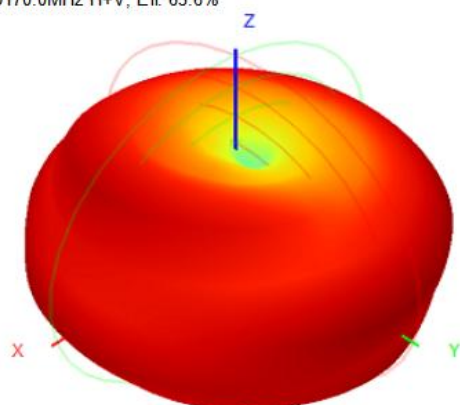
5150.0MHz H+V, Eff 65.8%

Back View



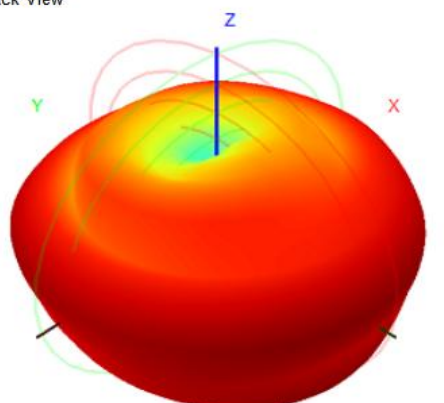
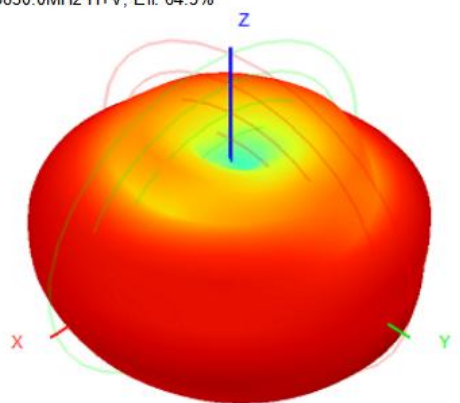
5170.0MHz H+V, Eff 63.6%

Back View



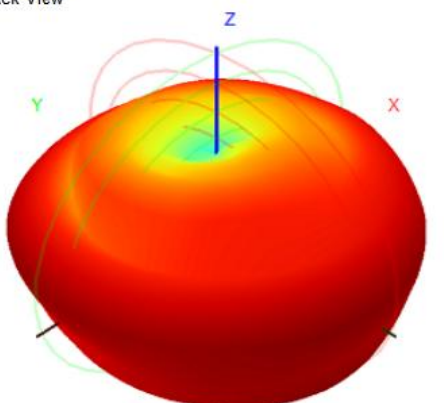
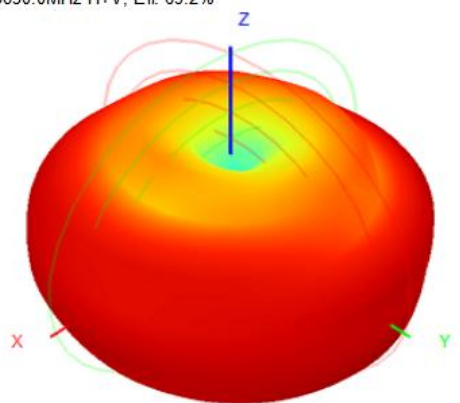
5830.0MHz H+V, Eff 64.5%

Back View



5850.0MHz H+V, Eff 69.2%

Back View



## 4. Product performance parameters:

Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5850
Input Impedence ( $\Omega$ )	50
V.S.W.R	$\leq 2.0$ (Unmatched equipment, for reference only)
Gain (dBi)	$3.0 \pm 0.5$ (Unmatched equipment, for reference only)
Polarization Type	Vertical
Maximum power(W)	10W
Vertical lobe Angle (E)	45~60°
Water plane lobe Angle (H)	360°
Mechanical Specifications	
Material	PCB
Connect Type	IPEX(Gen 1)
Size	48*14*1.8MM
Operating Temp	-20 ~ +65 °C
Storage Temp	-30 ~ +75°C