

Datasheet

SPEC: 2.4G and 5G/L=200MM/The first generation of IPEX

DATE: 2023/05/05

Factory confirmed:

sector	review	approve
RF	Jingxiong.Liu	bin.Li
SD	Dong.Xie	bin.Li
DQE	Fei.Wang	bin.Li

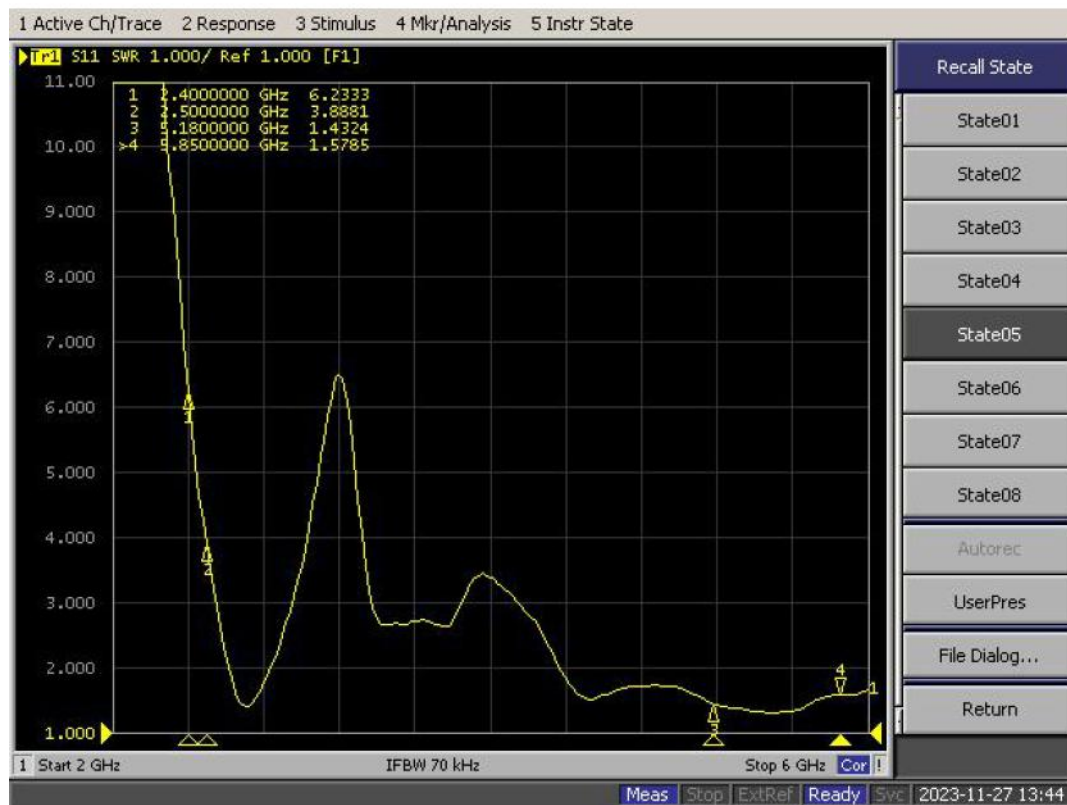
Customer confirmed:

check	review	approve
Xue.Li	Xin.Zhang	Heng.Wang

1. Product images:



2. Electrical performance test report: VSWR:

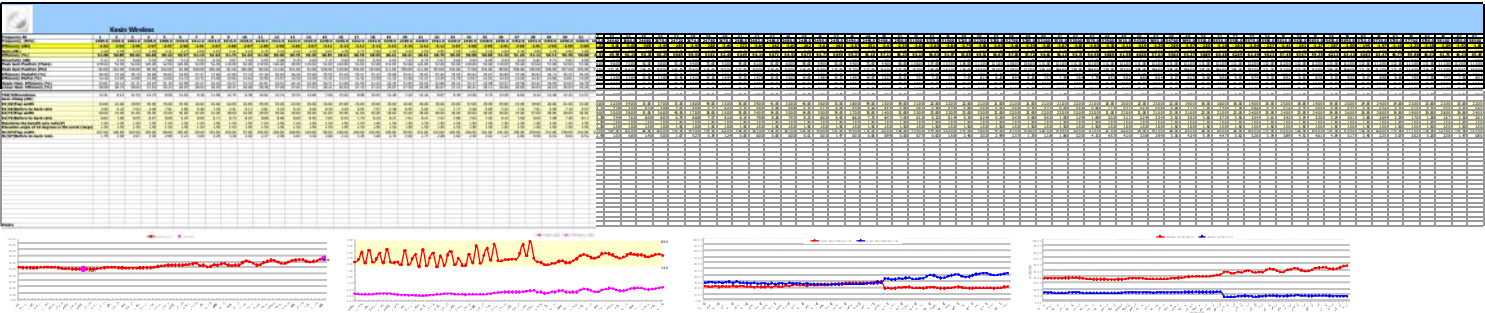


3. Product performance parameters:

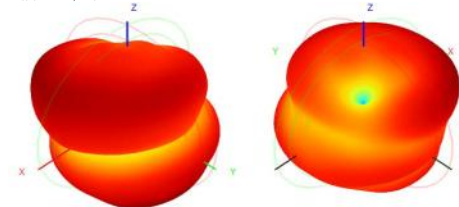
Electrical Specifications	
Frequency Range (MHz)	2400-2500/5150-5850
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	2.16
Polarization Type	Vertical
Maximum power(W)	10W
Vertical lobe Angle (E)	45~60°
Water plane lobe Angle (H)	360°
Mechanical Specifications	
Material	FPC
Connect Type	IPEX(First generation)
Size	FPC: 35*11mm*0.25mm
Operating Temp	-25 ~ +75 °C

4. Product Size:

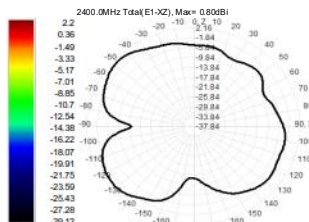
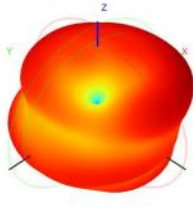




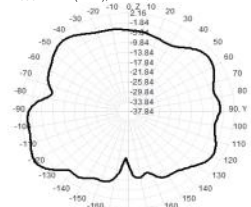
2400.0MHz H+V, Eff: 51.1%



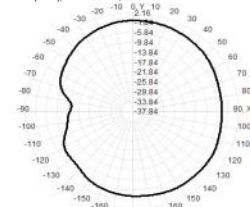
Back View



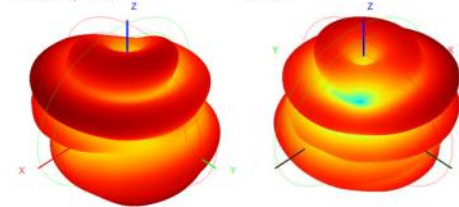
2400.0MHz Total(E2-YZ), Max= 2.16dB



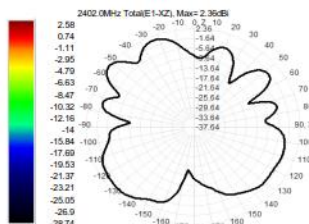
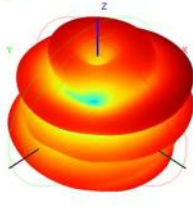
Total(H-XY), Max= -0.92dB, CrD=14.31



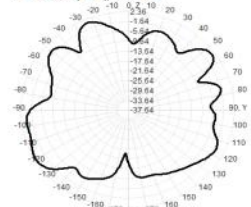
2402.0MHz H+V, Eff: 50.9%



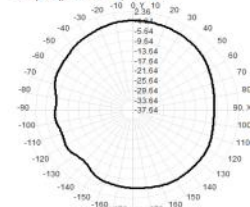
Back View



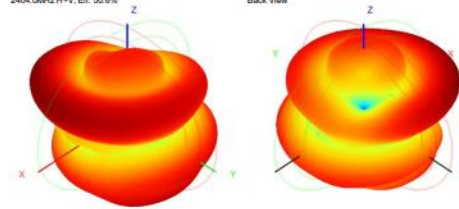
2402.0MHz Total(E2-YZ), Max= 1.93dB



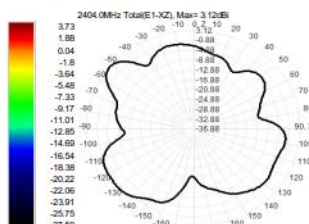
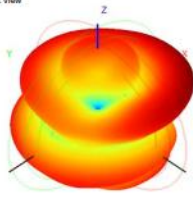
Total(H-XY), Max= -1.32dB, CrD=12



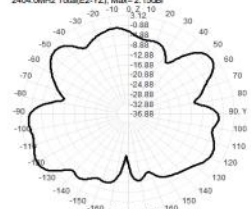
2404.0MHz H+V, Eff: 50.6%



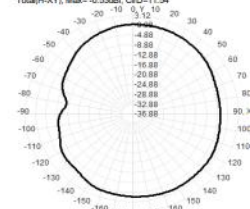
Back View



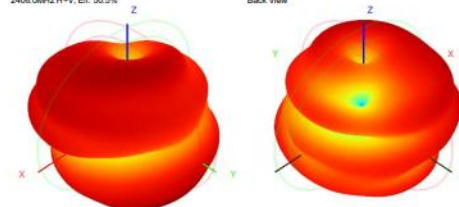
2404.0MHz Total(E2-YZ), Max= 2.15dB



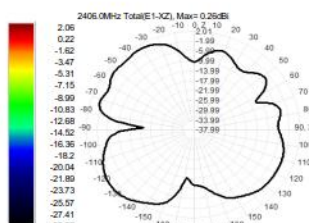
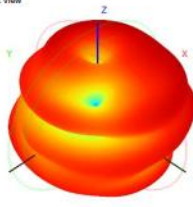
Total(H-XY), Max= -0.53dB, CrD=11.54



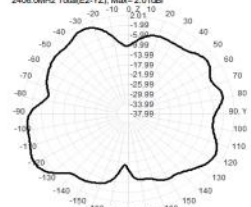
2406.0MHz H+V, Eff: 50.5%



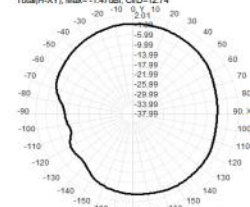
Back View



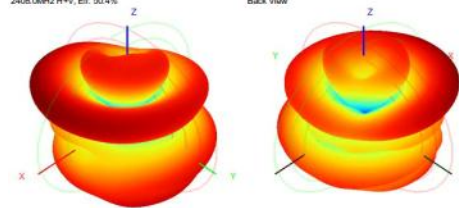
2406.0MHz Total(E2-YZ), Max= 2.01dB



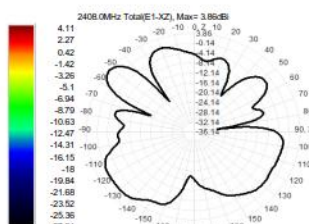
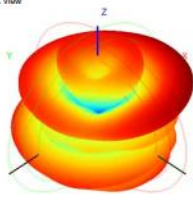
Total(H-XY), Max= -1.47dB, CrD=12.74



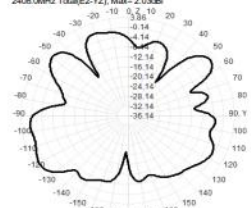
2408.0MHz H+V, Eff: 50.4%



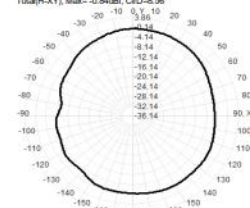
Back View



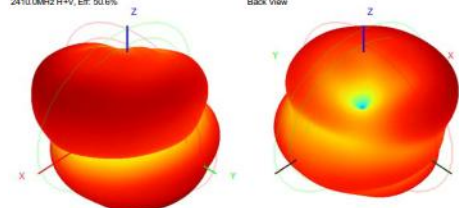
2408.0MHz Total(E2-YZ), Max= 2.03dB



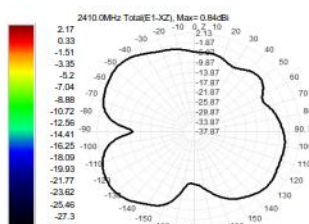
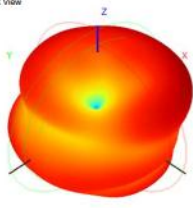
Total(H-XY), Max= -0.84dB, CrD=8.56



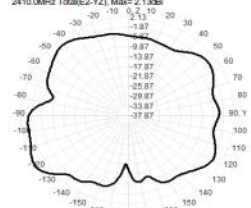
2410.0MHz H+V, Eff: 50.6%



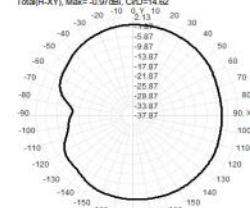
Back View



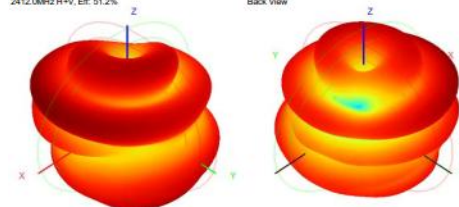
2410.0MHz Total(E2-YZ), Max= 2.13dB



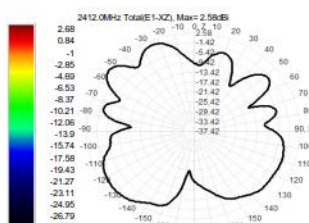
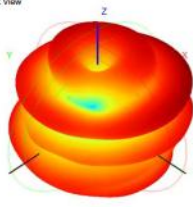
Total(H-XY), Max= -0.97dB, CrD=14.62



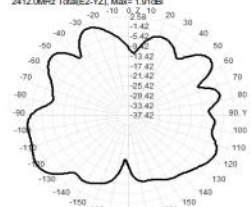
2412.0MHz H+V, Eff: 51.2%



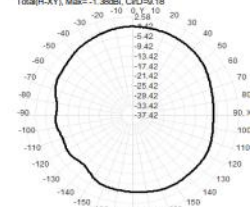
Back View



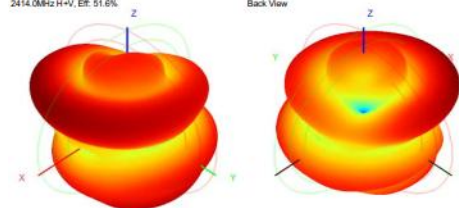
2412.0MHz Total(E2-YZ), Max= 1.91dB



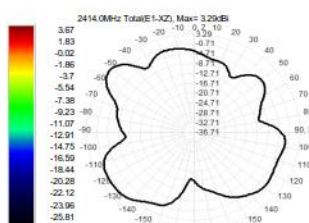
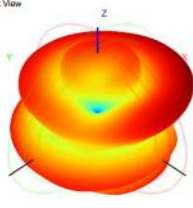
Total(H-XY), Max= -1.38dB, CrD=9.18



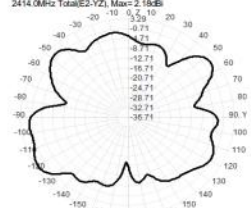
2414.0MHz H+V, Eff: 51.6%



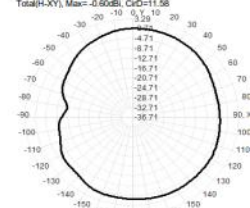
Back View



2414.0MHz Total(E2-YZ), Max= 2.18dB



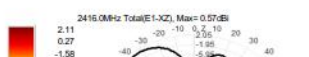
Total(H-XY), Max= -0.60dB, CrD=11.98



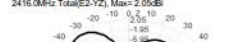
2416.0MHz H+V, Eff: 51.7%



Back View



2416.0MHz Total(E2-YZ), Max= 2.05dB



Total(H-XY), Max= -1.49dB, CrD=12.75

