

Antenna report specification

manufacturer Name: Shenzhen Qingzheng Technology Co., Ltd.

Customer Part Number:

Kosin Material number: KX-2.4G-42-FPC

Specification description: FPC

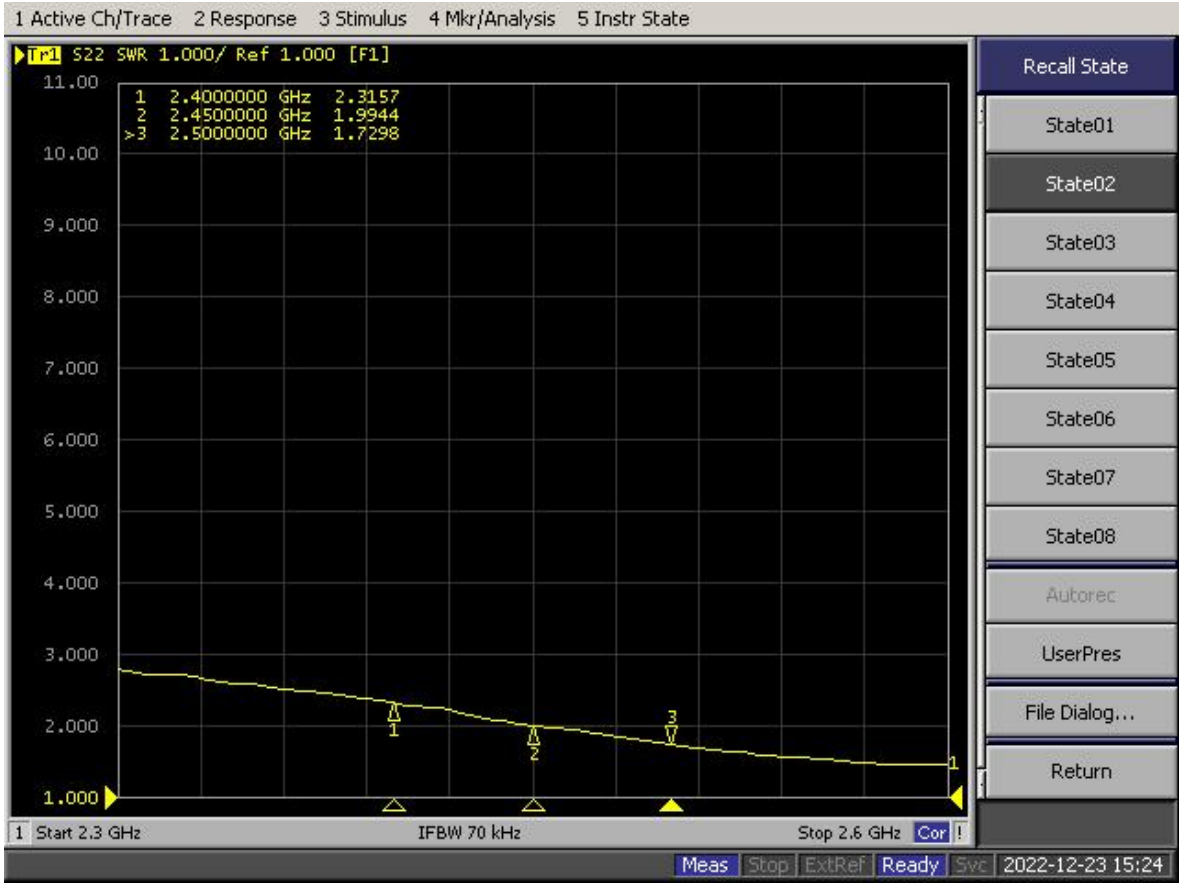
Production Date: 2022.12.28

Product performance parameter

Electrical Specifications	
Frequency Range (MHz)	2400~2500
Band Width(MHz)	100
Input Impendence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	2 ± 0.5
Polarization Type	(Linear)
Maximum power(W)	2W
Vertical lobe Angle (E)	$28 \sim 50^\circ$
Water plane lobe Angle (H)	360°
Mechanical Specifications	
Material	FPC
Connect Type	
Size	
Operating Temp	$-20 \sim +65^\circ\text{C}$
Storage Temp	$-30 \sim +75^\circ\text{C}$

Electrical performance test report

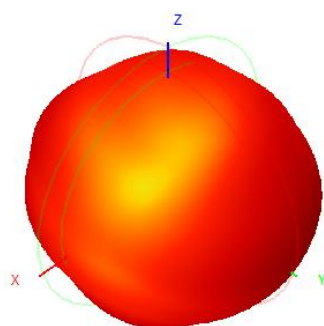
VSWR



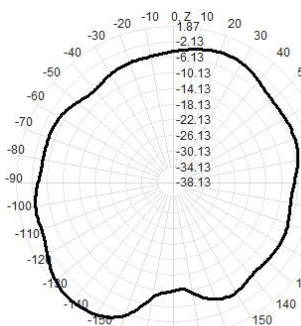
Efficiency & Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	60.90	1.88
2410	60.08	1.84
2420	60.85	1.79
2430	57.66	1.51
2440	55.80	1.59
2450	57.22	2.00
2460	55.98	2.16
2470	55.28	2.23
2480	57.12	2.34
2490	58.46	2.28
2500	60.28	2.38

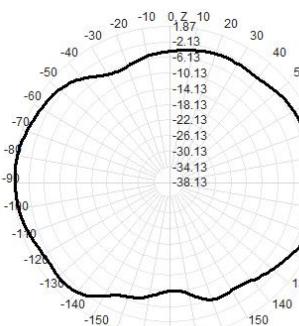
2D&3D directional diagrams



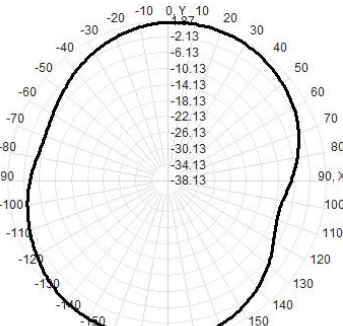
2400MHz



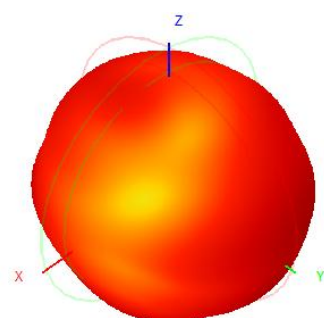
E1



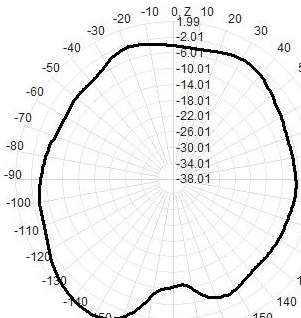
E2



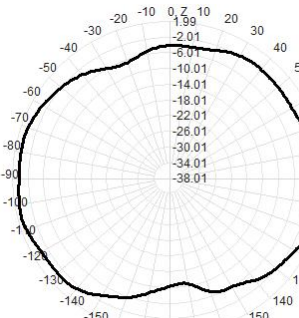
H



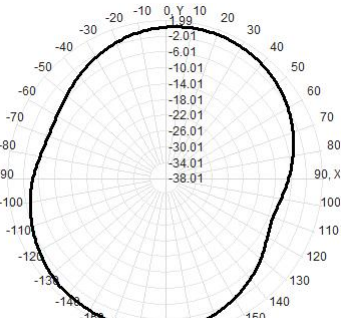
2450MHz



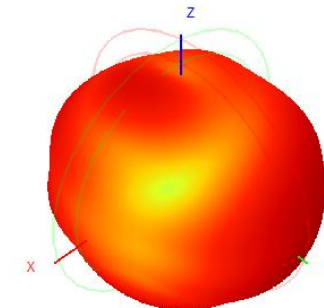
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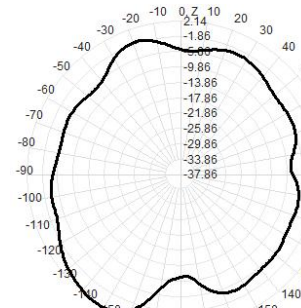
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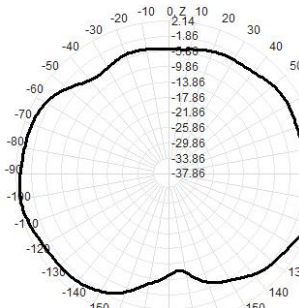
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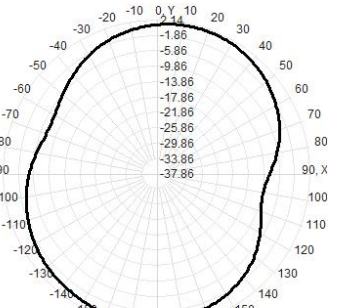
2500MHz



E1



E2



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Product picture



antenna dimensions

Length	22mm
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Width	17mm
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