

Datasheet

Name: Patch Antenna

Model: 50cm SMA-OUT aerial

Date: May 13, 2024

Manufacturer: Shenzhen Kexin Wireless Technology Co., Ltd

Address: Building H, Hongyongli Industrial Zone, Shabeili, Baolong Street, Longgang District,

Shenzhen, China

Validation:

Department	Audit	Approval
Radio Frequency Department	Jingxiong Liu	Bin Li
Structural Department	Jingxiong Liu	Bin Li
Quality Department	Fei Wang	Bin Li

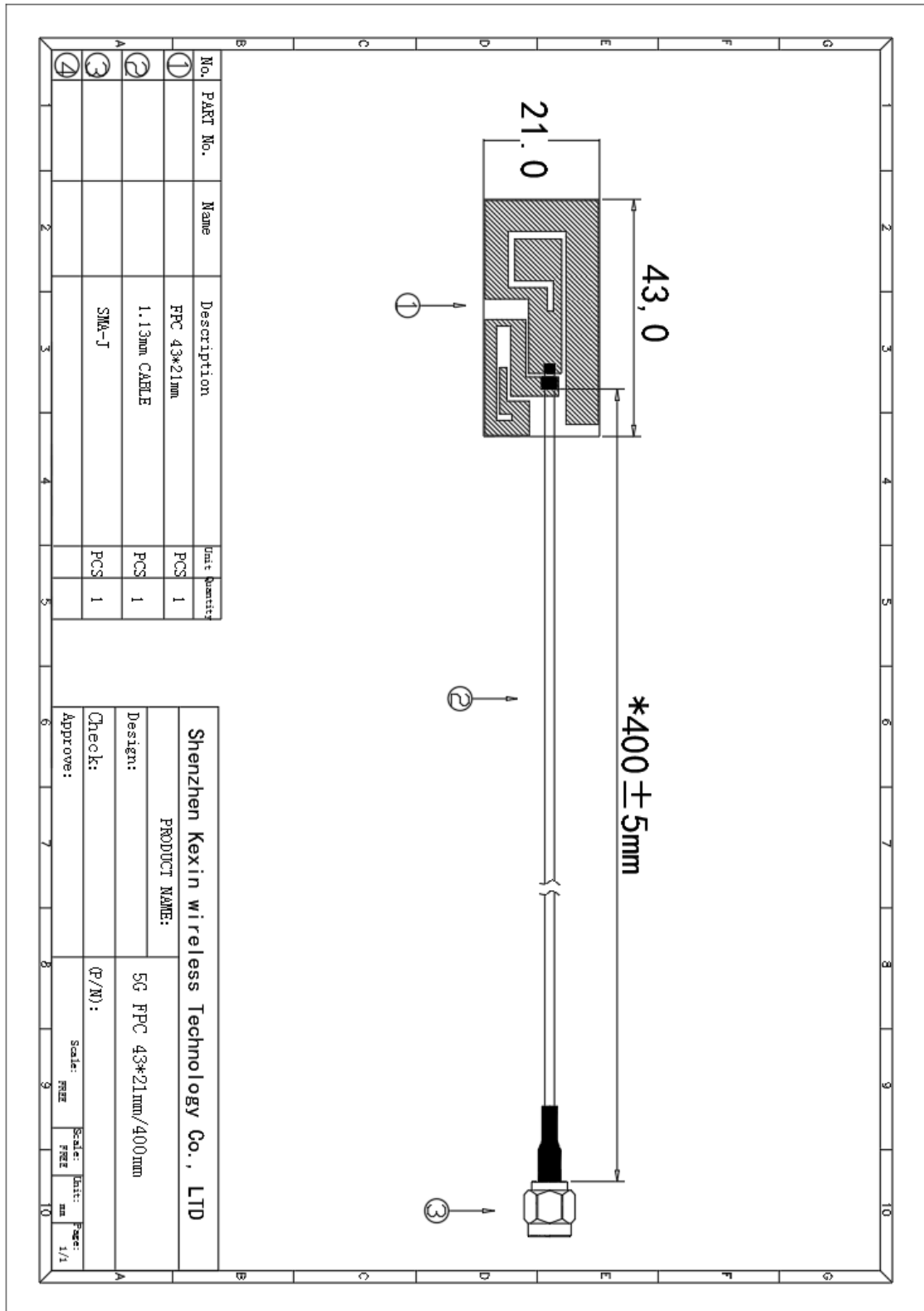
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3、Specifications

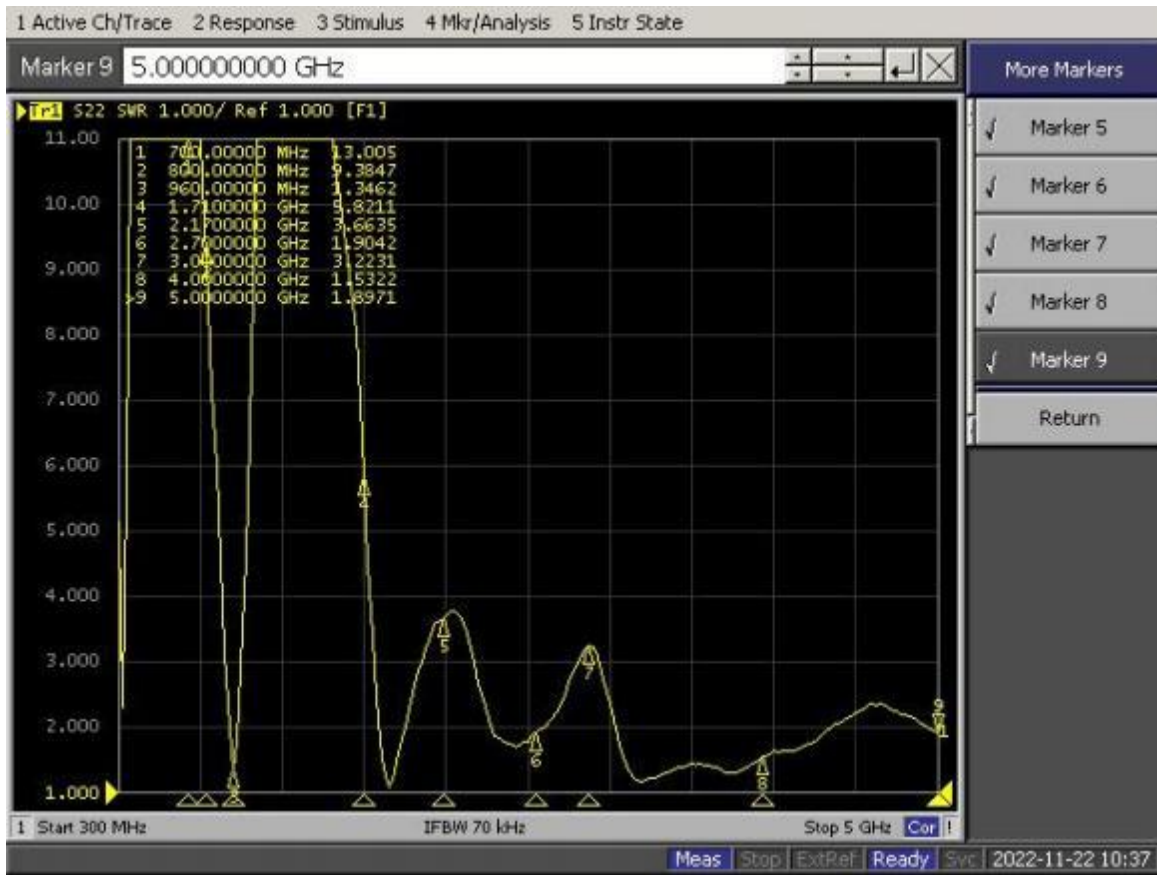
Electrical Specifications	
Frequency Range (MHz)	2400-2483.5
Input Impedence (Ω)	50
V.S.W.R	≤ 2.0
Gain (dBi)	2.0
Polarization Type	Vertical
Maximum power(W)	10W
Vertical lobe Angle (E)	28~50 °
Water plane lobe Angle (H)	360 °
Mechanical Specifications	
Material	FPC
Connect Type	SMA male internal pin
Cable Length (mm)	400mm
Size	43*21mm
Operating Temp	-20 ~ +65 °C
Storage Temp	-30 ~ +75°C

4、Design drawings



5、Electrical performance test report

VSWR:



6、Efficiency & Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	40.88	2.00
2440	40.89	2.00
2480	40.95	2.00

7、3D &2D Pattern

