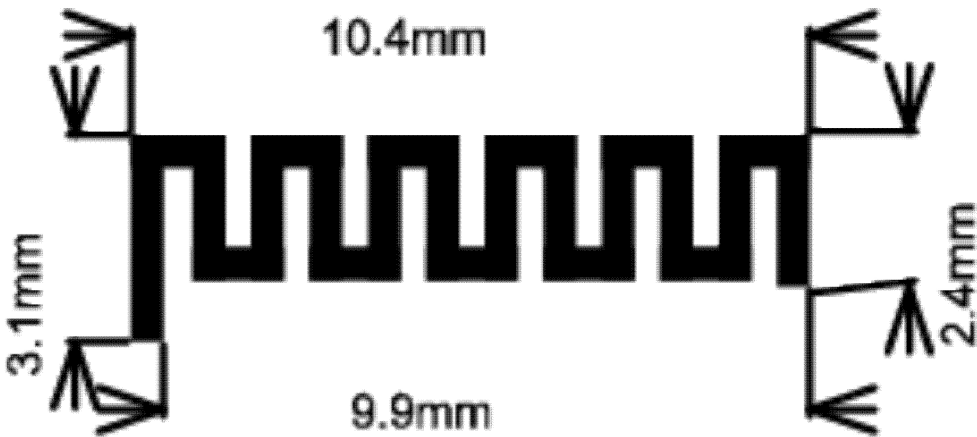


Inverted F Antenna Specificatio

1.Description of EUT(S)

ITEM	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	0.14dBi
Antenna Type	PCB Antenna
Antenna Length	10.4mm
Frequency Range	2400-2500MHz
Manufacture	JXROBOT.CO.,LTD

Antenna Photo & Length (mm)



2. Test standard

Name	Parameter	Method	Standard no.
Mobile communication antenna	Antenna gain	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Radiation pattern		
Antenna	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979
	Gain and directivity		

3. Test uncertainty

The uncertainty was calculated on the basis of the GUM published by ISO, using the inclusion factor of K=2 and the 95% confidence level to express the extended uncertainty.

Item	Uncertainty
Antenna gain	$\pm 0.72\text{dB}$
Radiation efficiency	$\pm 0.72\text{dB}$

4. Test data

Typical free space efficiency and gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	23.11	-6.36	0.14
2410	21.49	-6.68	-0.19
2420	19.49	-7.1	-0.67
2430	18.44	-7.34	-0.79
2440	18.25	-7.39	-0.77
2450	18.25	-7.39	-0.68
2460	17.96	-7.46	-0.73
2470	17.56	-7.56	-0.8
2480	17.43	-7.59	-0.86
2490	17.84	-7.49	-0.86
2500	17.11	-7.67	-1.06

Typical free space radiation pattern

