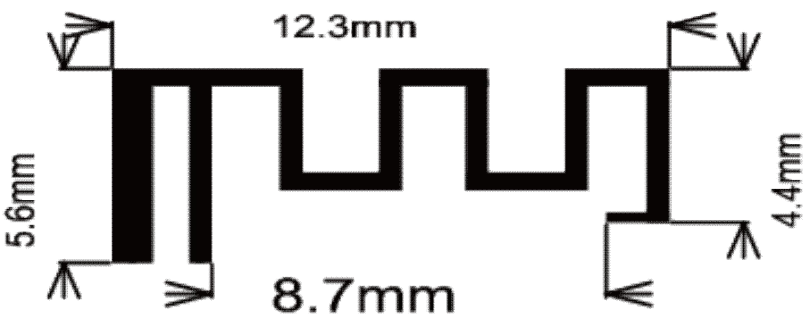


Inverted F Antenna Specificatio

1.Description of EUT(S)

ITEM	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	-0.39dBi
Antenna Type	PCB Antenna
Antenna Length	12.3mm
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	33.6	-4.74	-0.71
2410	32.84	-4.84	-1.04
2420	30.91	-5.1	-1.29
2430	31.26	-5.05	-1.25
2440	32.92	-4.83	-1.07
2450	35.4	-4.51	-0.65
2460	35.64	-4.48	-0.55
2470	37.08	-4.31	-0.39
2480	37.51	-4.26	-0.42
2490	39.29	-4.06	-0.43

Typical free space radiation pattern

