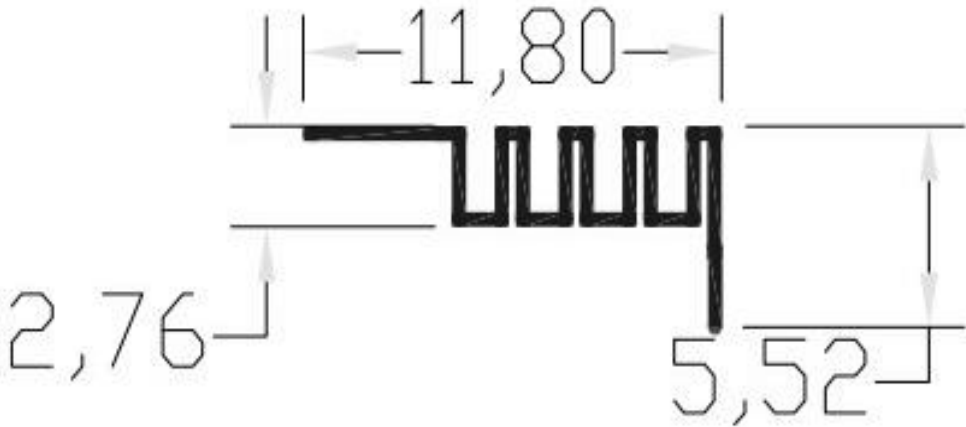


ANTENNA SPECIFICATION

Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400Mhz	2450Mhz	2500Mhz	2400Mhz	2450Mhz	2500Mhz
	-1.87	-0.79	-0.59	-6.27	-3.82	-2.37
MAX. Gain	-0.63dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	5.52mm					
Manufacture						

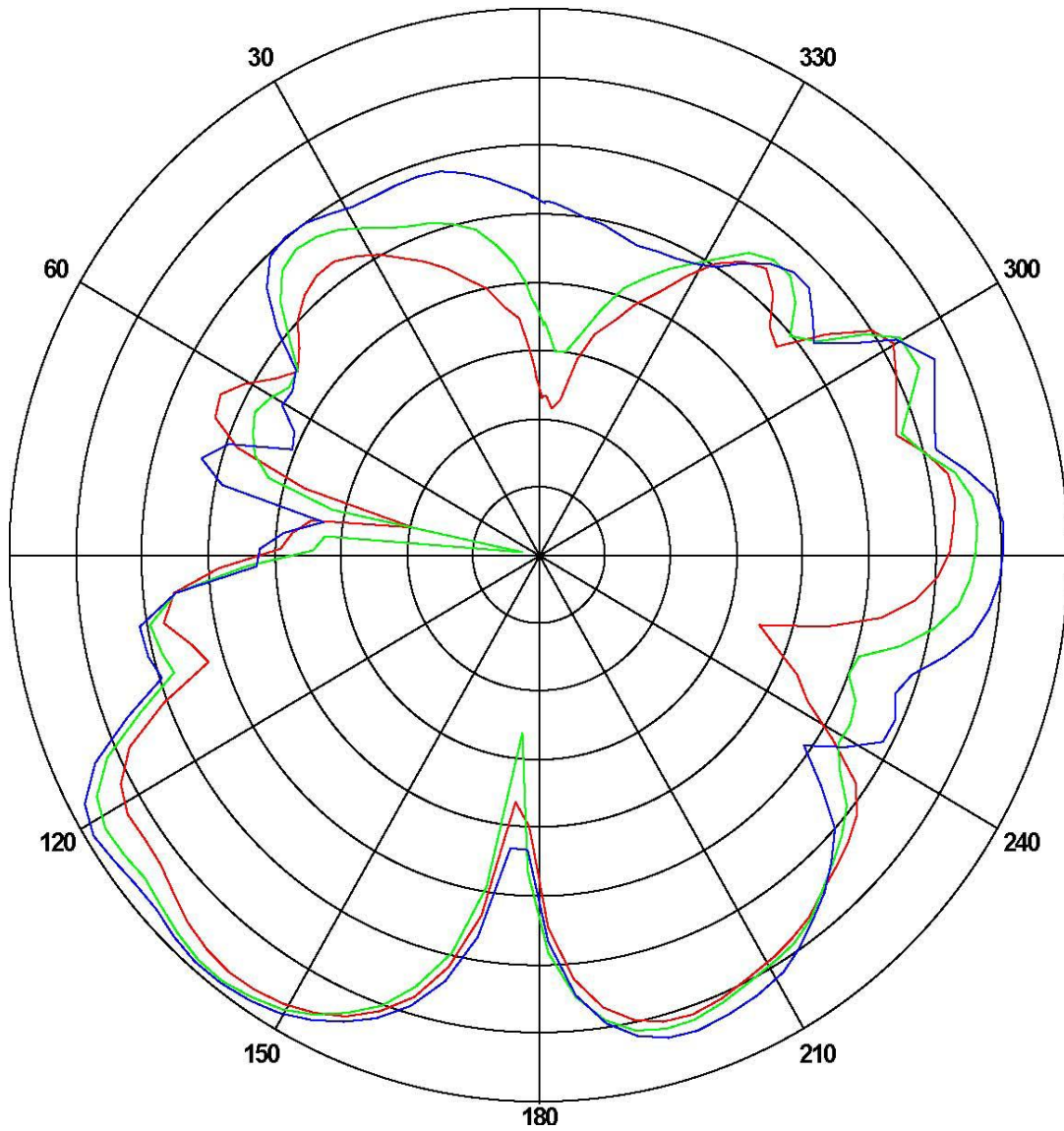
Antenna Photo & Length (mm)



Horizontal:2400MHz 2450MHz 2500MHz

Power (dBm)

Max:0 Min:-40 Scale:5/div

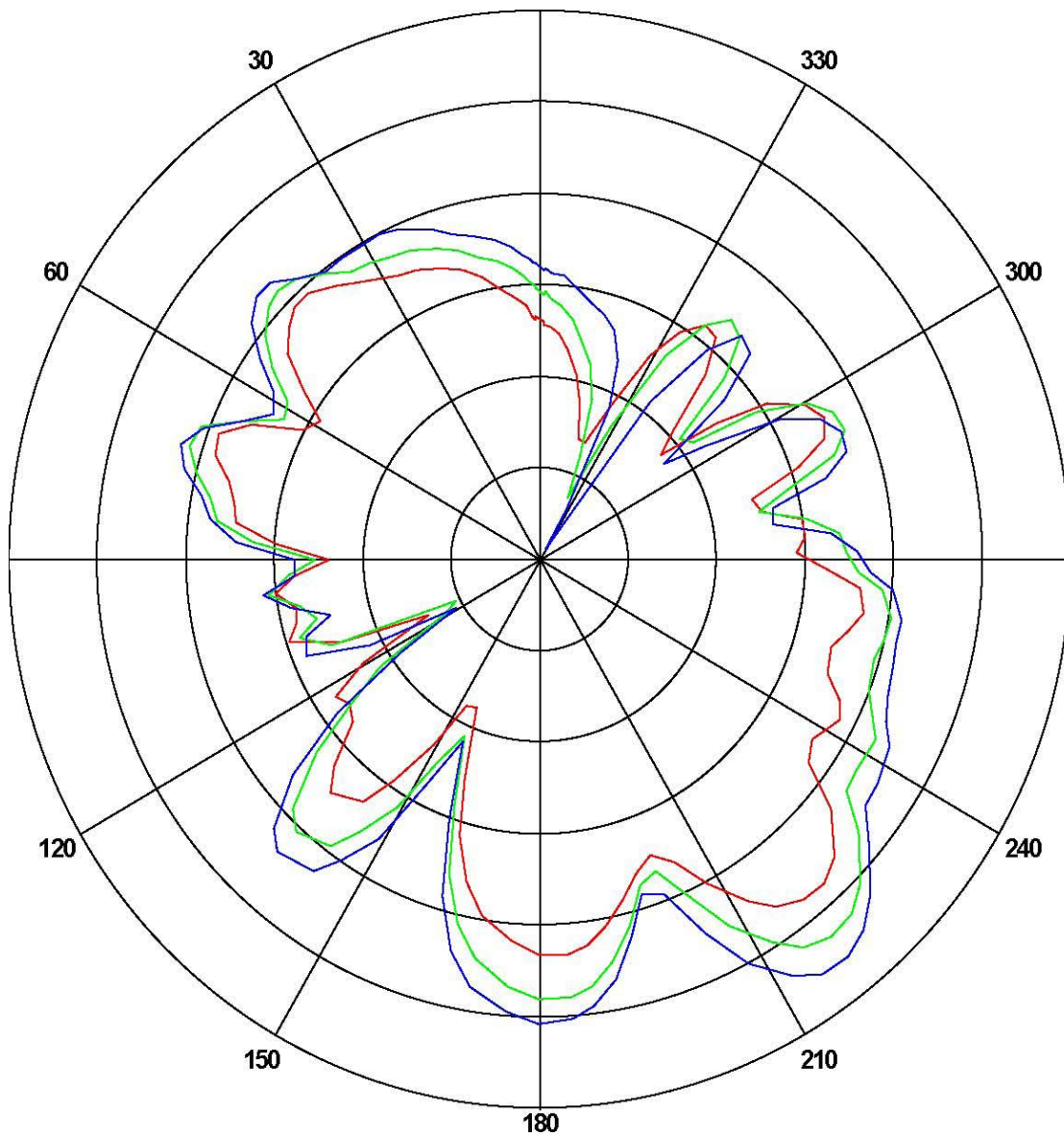


Frequency (MHz) (MHz)	Gain (dB)		
	Max	Min	Avg
2400	-1.78168	-30.0717	-8.45237
2450	-0.83632	-38.4975	-7.86975
2500	-0.63027	-24.0188	-6.77921

Vertical:2400MHz 2450MHz 2500MHz

Power (dBm)

Max:0 Min:-30 Scale:5/div

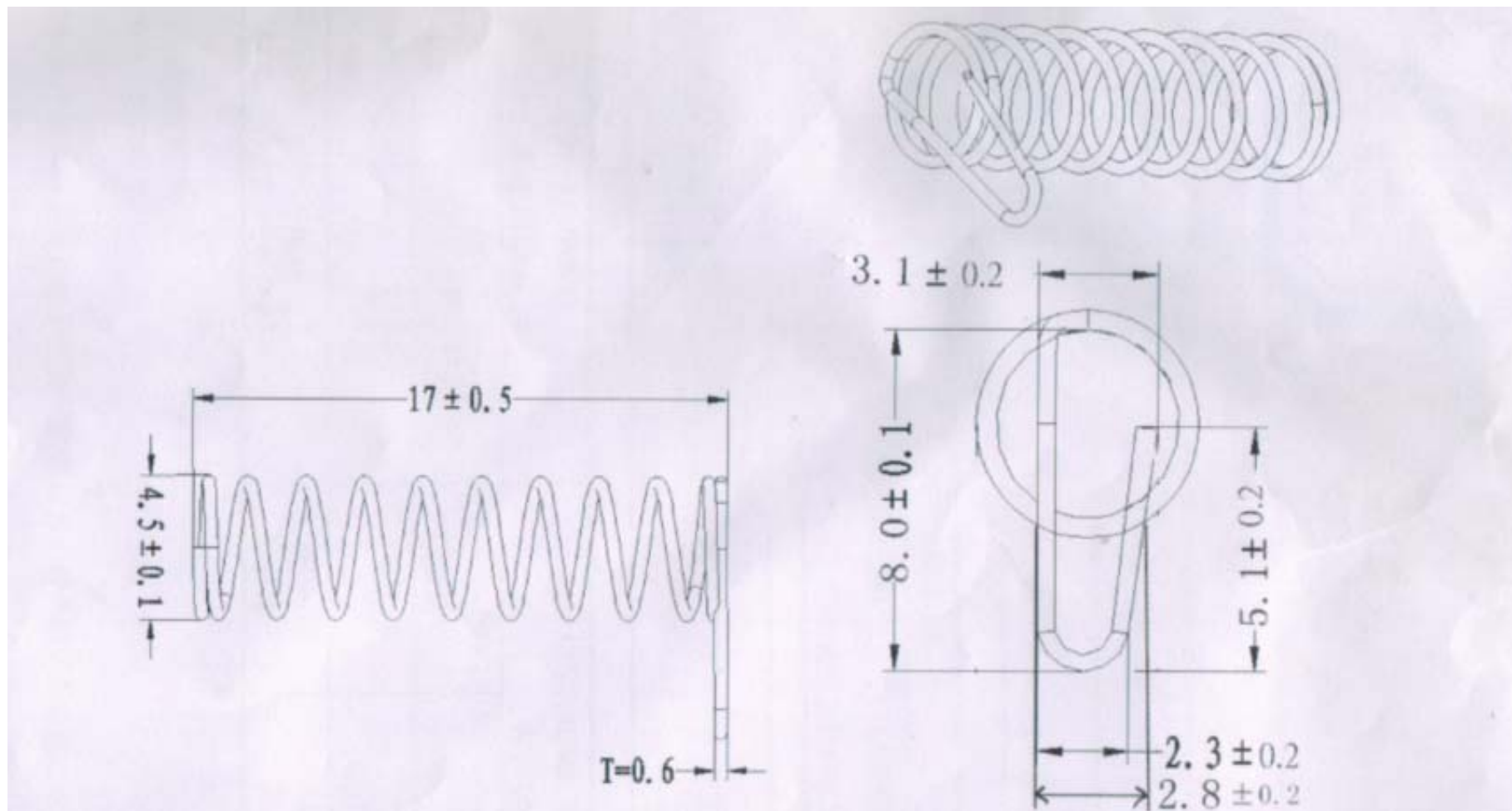


Frequency (MHz) (MHz)	Gain (dB)		
	Max	Min	Avg
2400	-6.1318	-24.1497	-13.0331
2450	-3.7495	-26.5492	-10.6795
2500	-2.3976	-30.4803	-9.7529

Shenzhen James Industrial Co., Ltd

Address: 4/F, Building A, Rongli Industrial Park, No. 2 Guiyuan Road, Miaoqi Industrial Zone, Xinghua Community, Guanlan Street, Longhua District, Shenzhen

ANTENNA SPECIFICATION

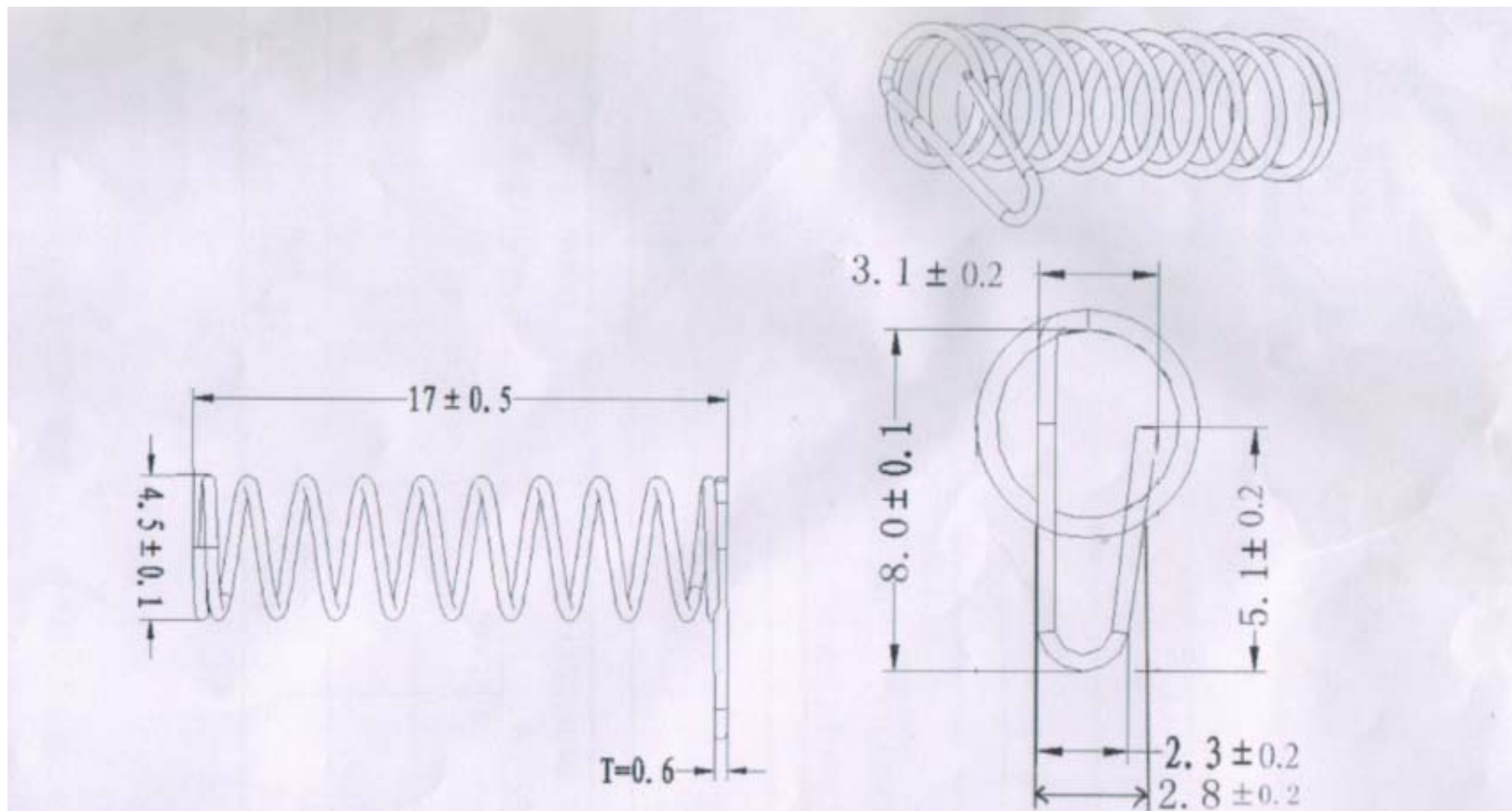


Total length: 153.6mm

Shenzhen James Industrial Co., Ltd

Address: 4/F, Building A, Rongli Industrial Park, No. 2 Guiyuan Road, Miaoqi Industrial Zone, Xinghua Community, Guanlan Street, Longhua District, Shenzhen

ANTENNA SPECIFICATION



Total length: 153.6mm

Shenzhen James Industrial Co., Ltd

Address: 4/F, Building A, Rongli Industrial Park, No. 2 Guiyuan Road, Miaoxi Industrial Zone, Xinghua Community, Guanlan Street, Longhua District, Shenzhen

ANTENNA SPECIFICATION

Antenna support
frequency: 87.5MHz-108MHz
Antenna type: Spring Antenna
Antenna gain: 0dBi

Total length: 153.6mm