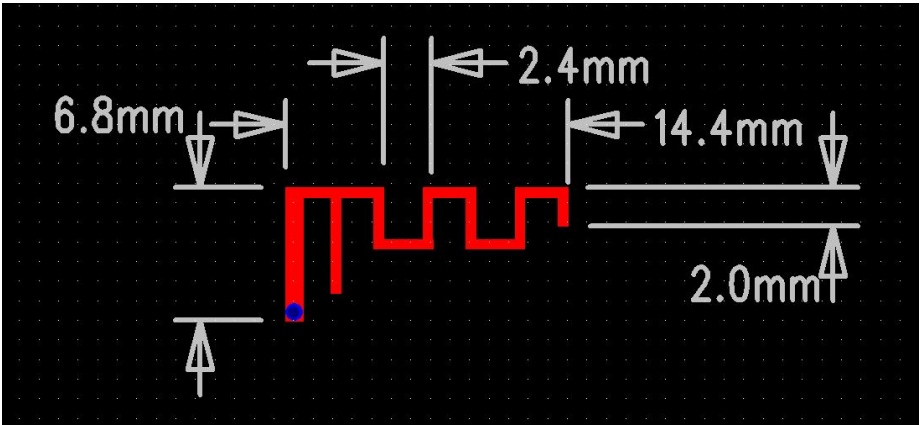


TK51F ANTENNA SPECIFICATION

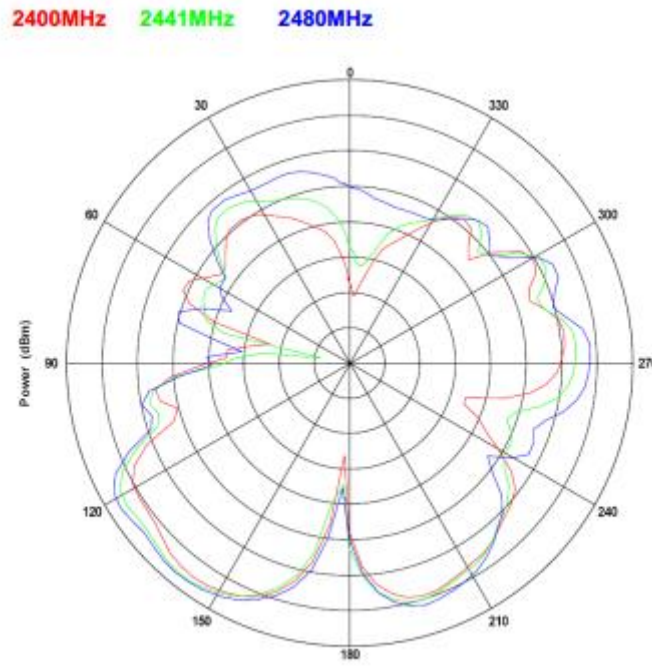
Summary

ITEM	Controller ANT SPEC		
Model Name			
Center Frequency			
	2400MHz	2441MHz	2480MHz
	1.89	1.58	1.20
MAX. Gain	1.89dBi		
Polarization	Horizontal and Vertical		
Azimuth Beam Pattern	Omni-directional		
Impedance	50 Ohm		
Antenna Length	14mm		
Antenna Model Name	Type F		
Manufacture	DONGGUAN SHUO CHUANG ELECTRONICS CO LTD		
Address:	TONGFUWESTROAD,SHIJETOWN DONGGUAN,GUANGDONG,CHINA		

Antenna Photo & Length (mm)

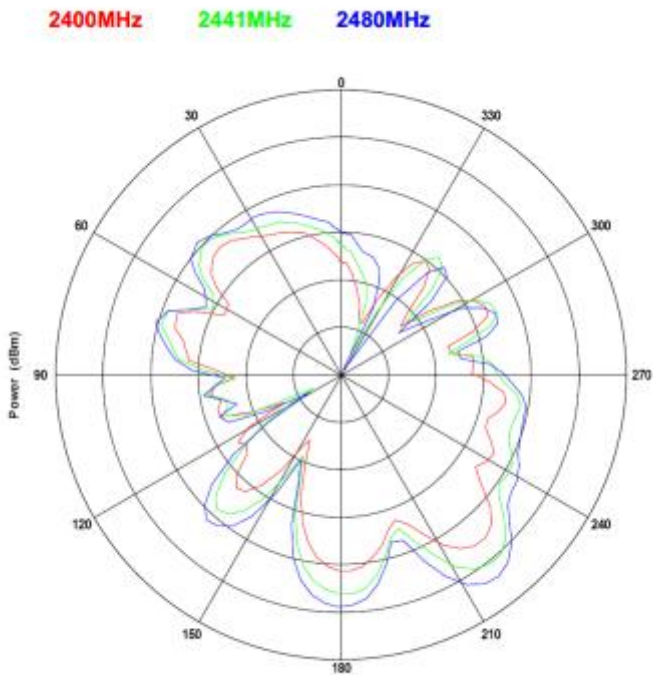


Horizontal: 2400 MHz 2441 MHz 2500 MHz
(dBi)



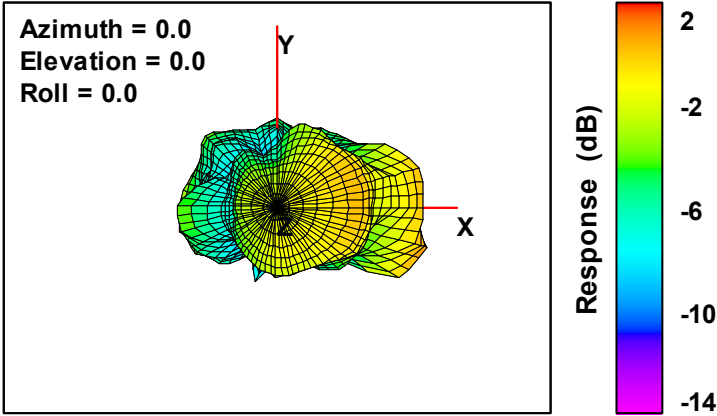
Frequency (MHz)	Gain(dBi)		
	Max	Min	Avg
2400	1.89	-30.52	-9.78
2441	1.58	-35.46	-8.65
2480	1.20	-24.45	-7.32

Vertical: 2400 MHz 2450 MHz 2500 MHz
(dBi)

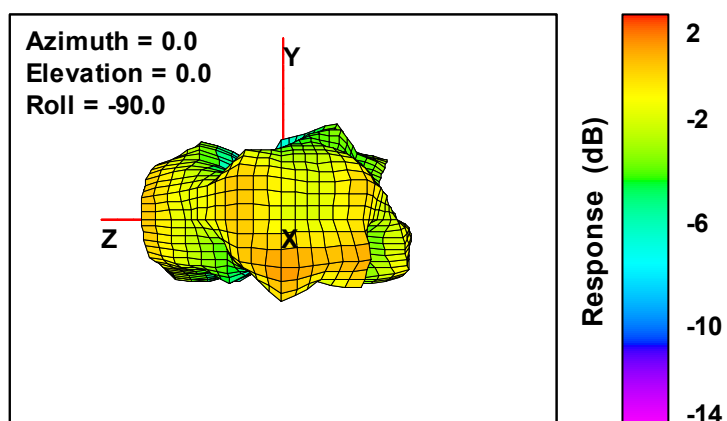


Frequency (MHz)	Gain(dBi)		
	Max	Min	Avg
2400	-7.2	-24.8	-13.3
2441	-4.5	-27.6	-11.7
2480	-1.5	-29.4	-10.3

Total



Total



Total

