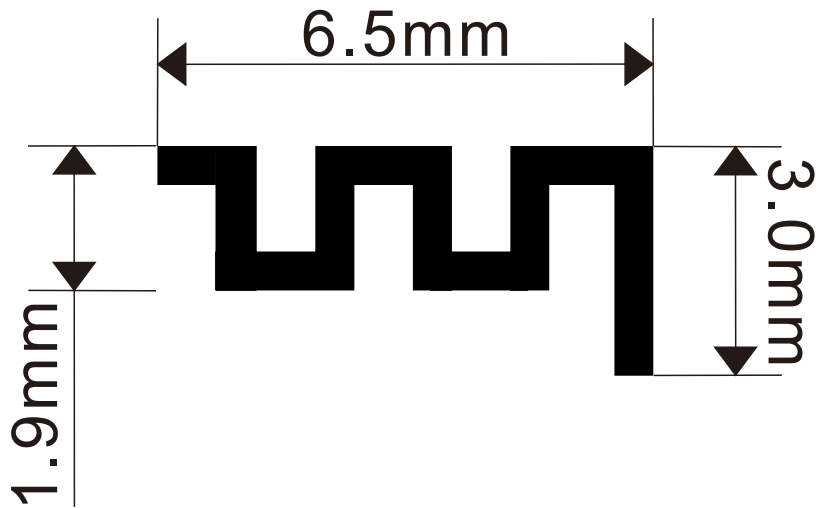


RB-WS8000 Antenna Specification

Summary

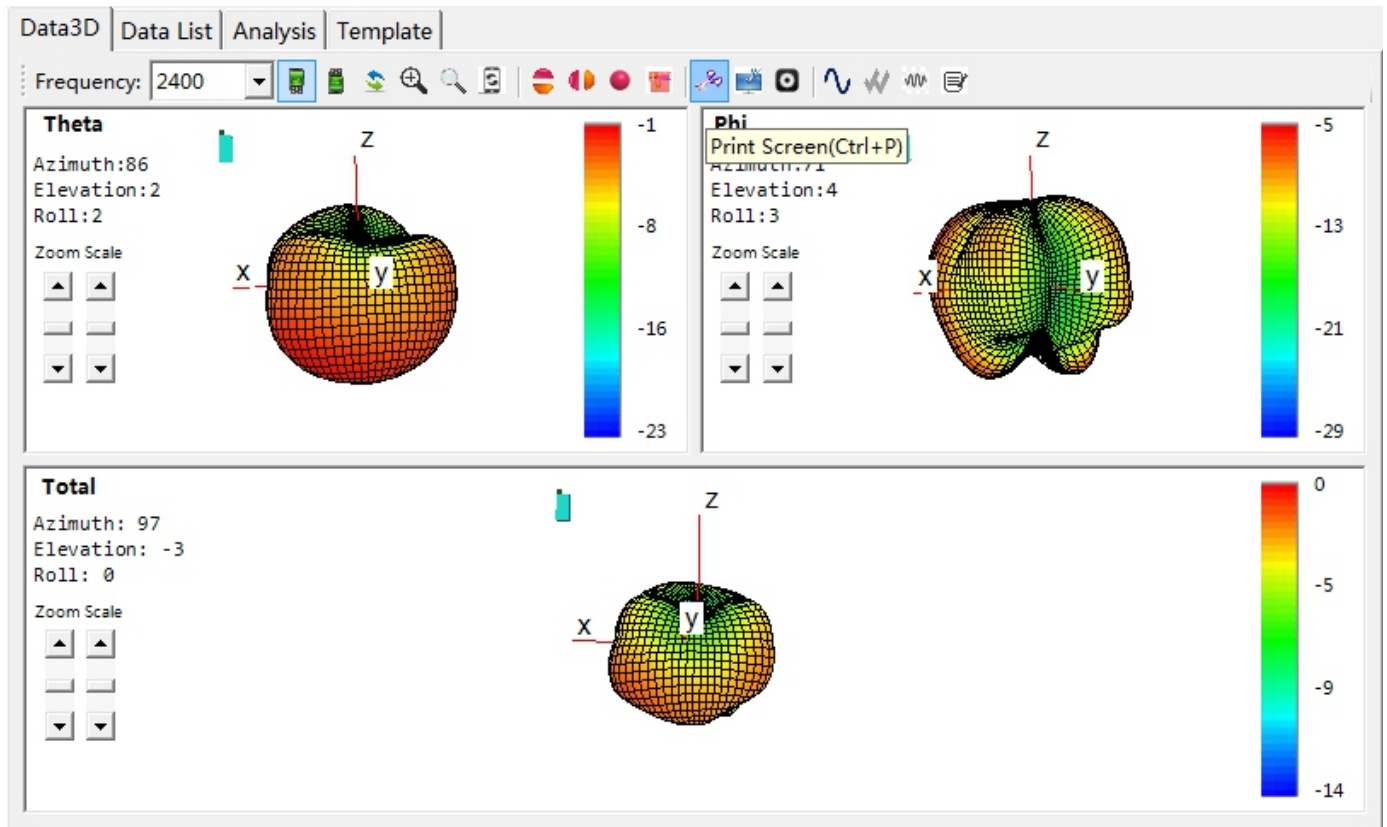
ITEM	ANT SPEC					
Model Name	2.4G PCB ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2400MHz	2500MHz	2400MHz	2400MHz	2500MHz
	-1.26	-0.76	-0.58	-5.25	-2.46	-1.86
MAX. Gain	-0.58dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	14.4mm					
Manufacture	SHENZHEN BOOXMAI TECHNOLOGY CO.,LTD					

Antenna Photo & Length (mm)

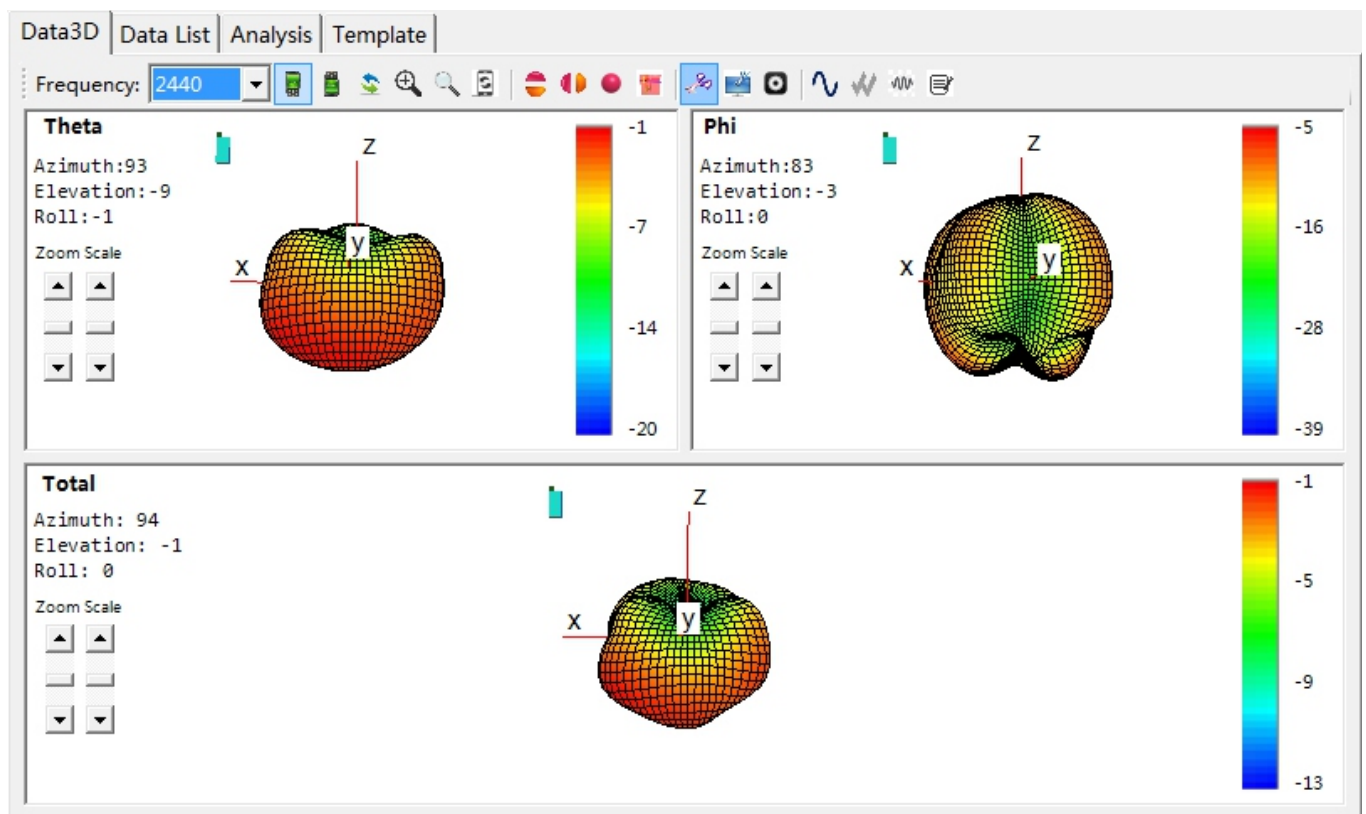


3D Pattern

2400MHZ

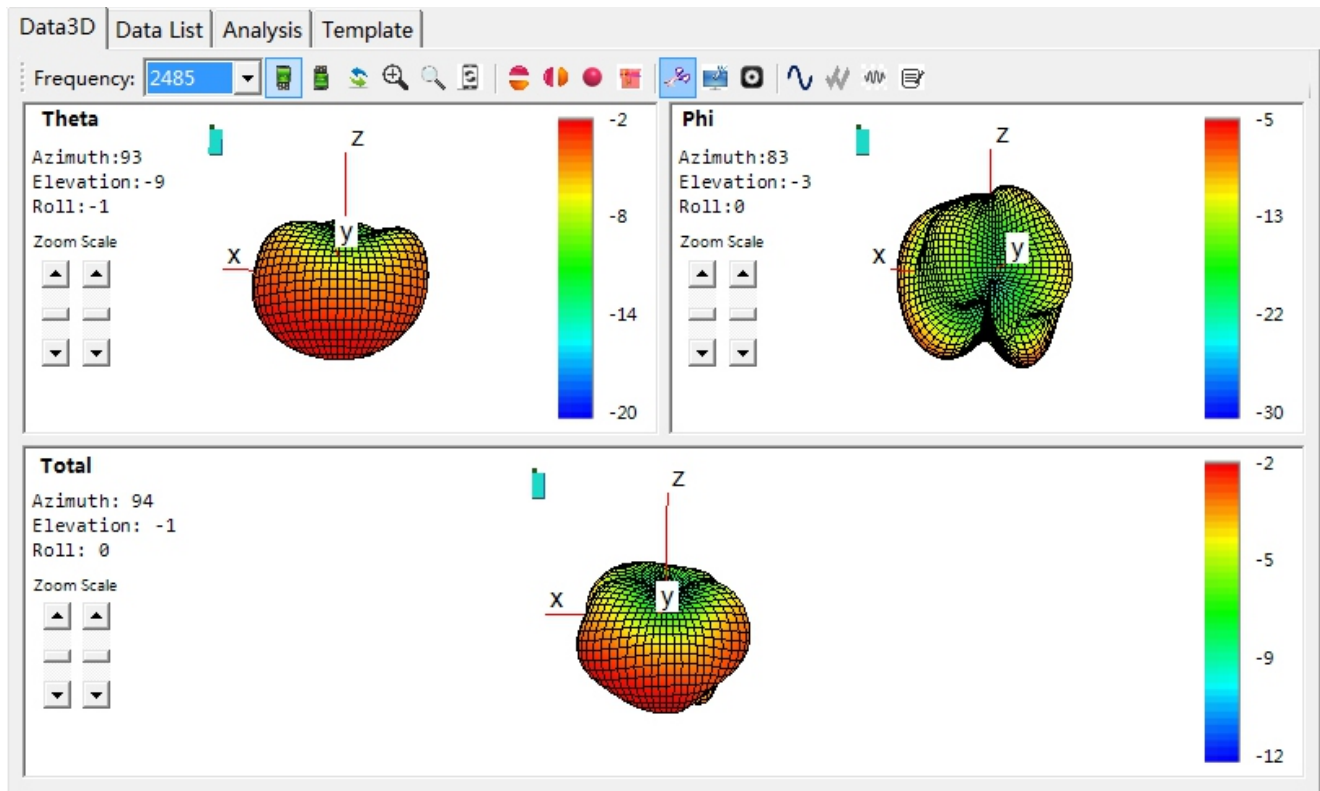


2440MHZ



3D Pattern

2485MHZ



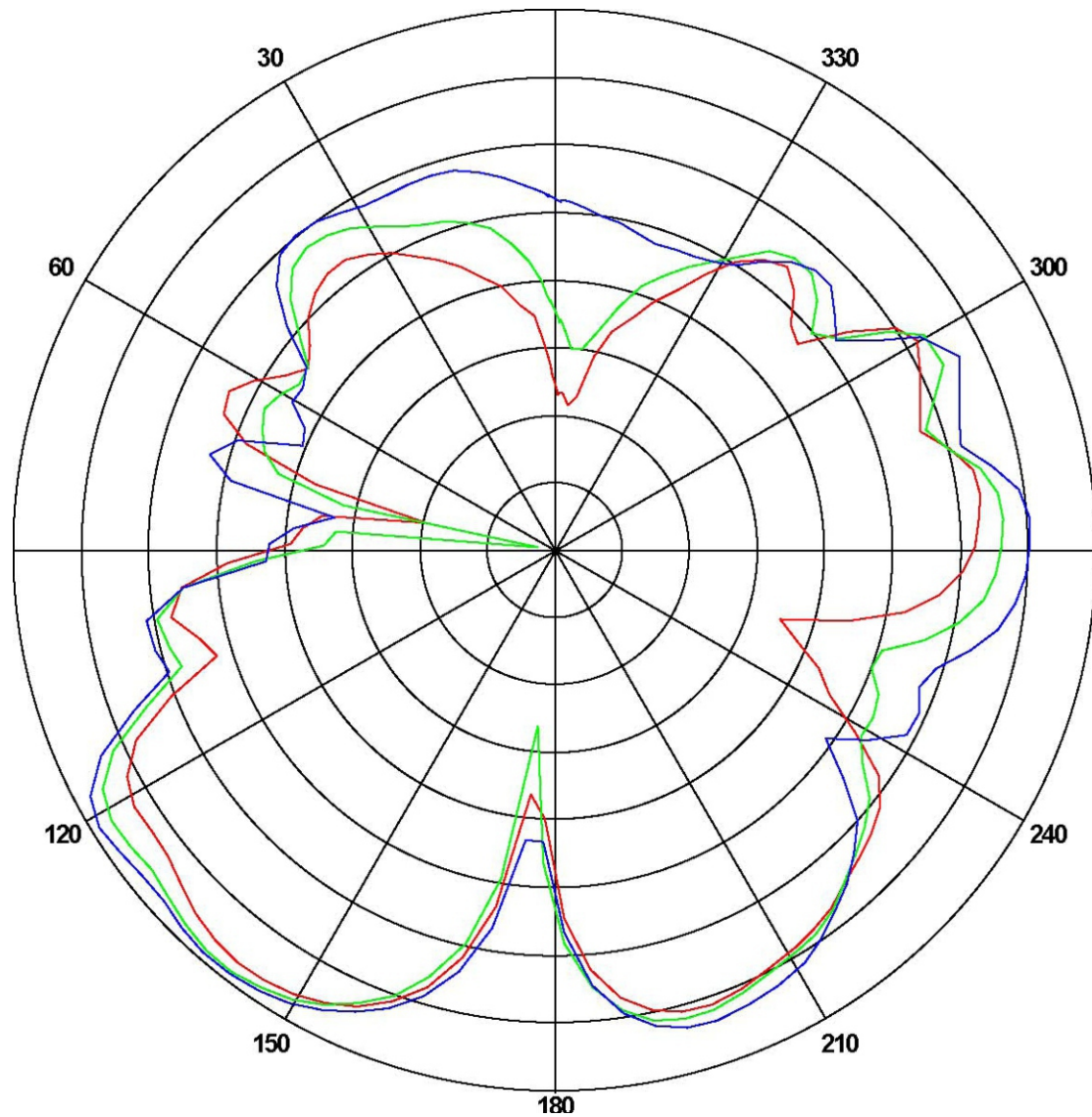
Gain & Efficiency

chNo	Freq (MHz)	Efficiency Pcent	Gain (dBi)
1	2400	13.5	-5.2
2	2450	12	-2.5
3	2500	17.5	-1.9

Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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

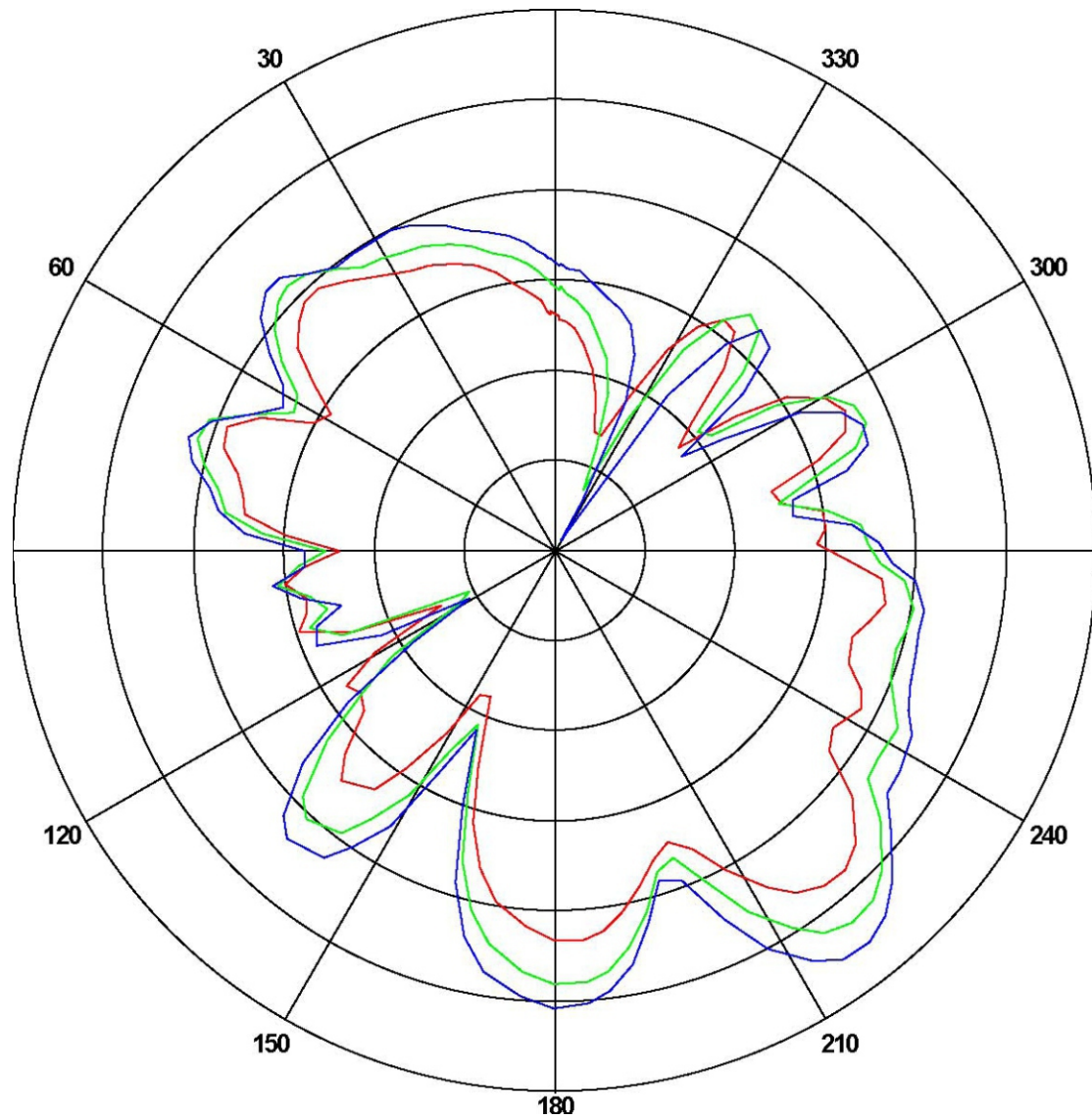


Frequency (MHz)	Gain(dBi)		
	Max	Min	Avg
2400	-1.26174	-30.0801	-7.18716
2450	-0.765802	-36.5604	-7.48023
2500	-0.585582	-22.0315	-6.59127

Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

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



Frequency (MHz)	Gain(dBi)		
	Max	Min	Avg
2400	-5.2537	-22.1424	-12.4294
2450	-2.4652	-24.5837	-10.4702
2500	-1.86120	-29.5214	-9.20432