



Antenna Datasheet

2.4G/5.8G

Model:

BW258BNX50-50-0B1F4.5

size: 55mm x Ø 4.4

BW258BNX50-50-0B1F4.5

BW	Company	Bat Wireless
258	Frequency	2400-2500MHz 5150-5850MHz / 2400-2500MHz 5150-5850MHz
B	名Name	Copper Tube Antenna
N	Type	Internal
X	Constant	X / X
50-50-0	Dimensions	50-50-0 / 50-50-0
B1	Connector	IPEX-1 / IPEX-1
F	Feature	Diameter
4.5	Dimensions	4.5 / 4.5

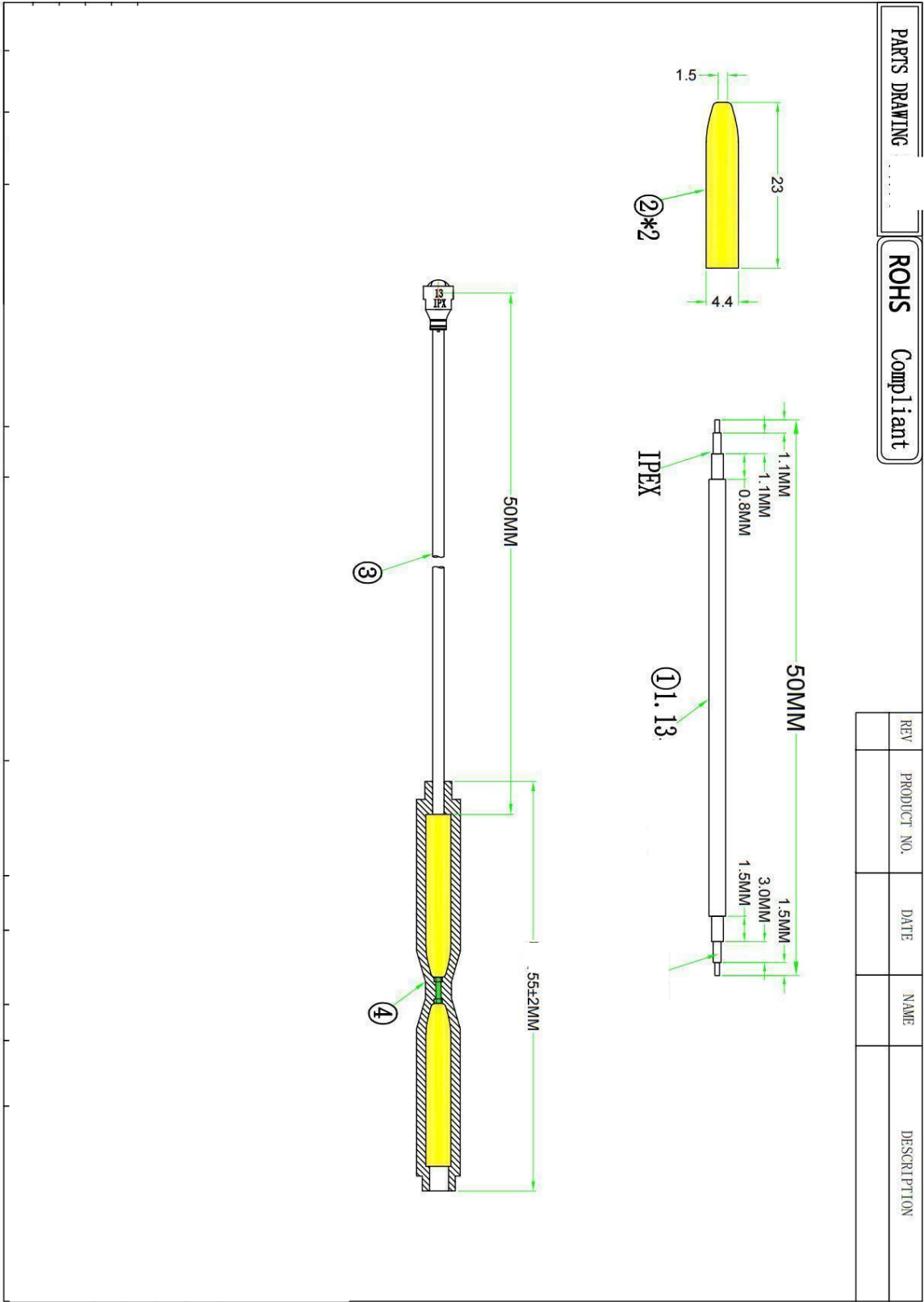


2. Specification

Parameters	Typ.	Unites	Notes
Electrical Characteristics			
Antenna Type	Copper Tube Antenna		
Frequency Range	2400-2500, 5150-5850	MHz	
Input Impedence	50	Ω	
V.S.W.R	<2.9		
Gain	4	dBi	
Polarization Type	Vertical		
Power Capacity	50	W	
Lightning Protection	-		
DC Voltage	-	V	
Radiator	-		
Mechanical Characteristics			
Dimensions	55 x $\varnothing$ 4.4	mm	
Connector Type	IPEX-1 / IPEX-1		
Cable Type	1.13		
Cable Length	50	mm	
Mount way			
Color	black		
Material	Copper tube		
Weight	16	g	
Environmental Characteristics			
Waterproof Rating	-		
ROHS Complaint			
Operating Temperature	-45~ +85	$^{\circ}\text{C}$	
Storage Temperature	-45~ +85	$^{\circ}\text{C}$	



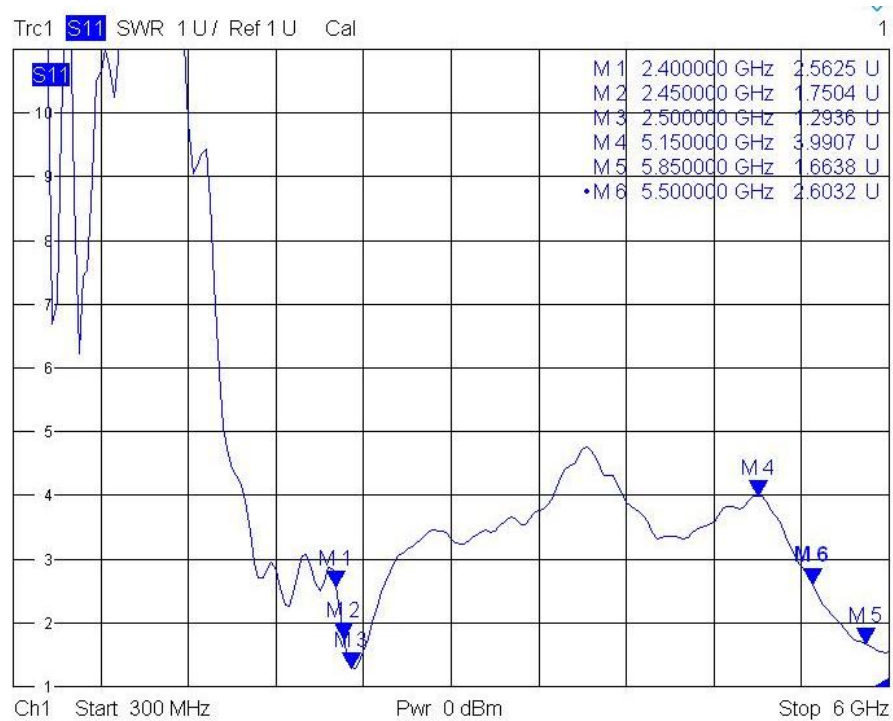
4. Mechanical Drawing



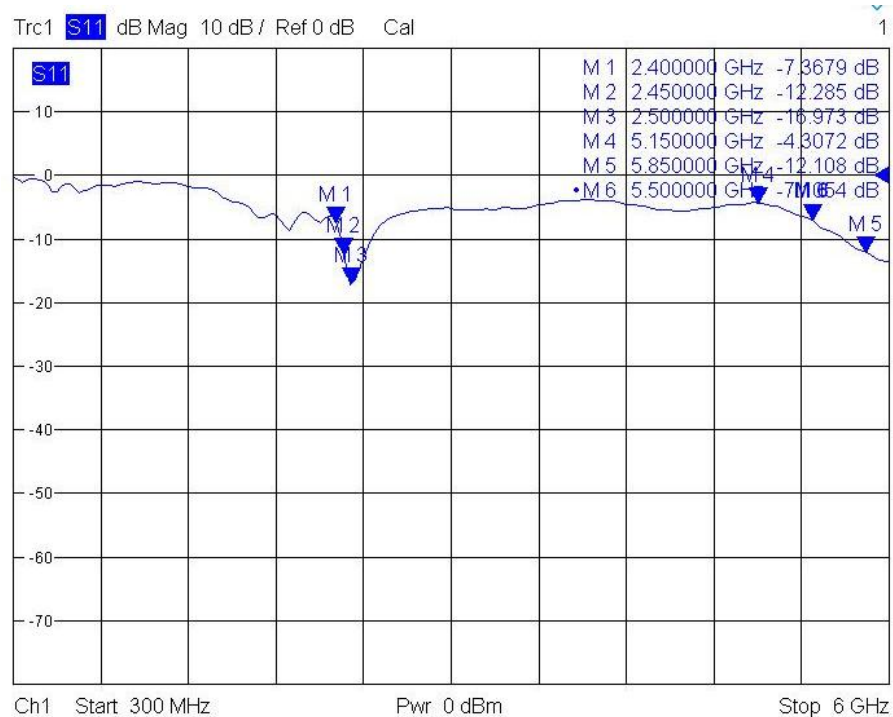


6. Performance Data

6.1 VSWR



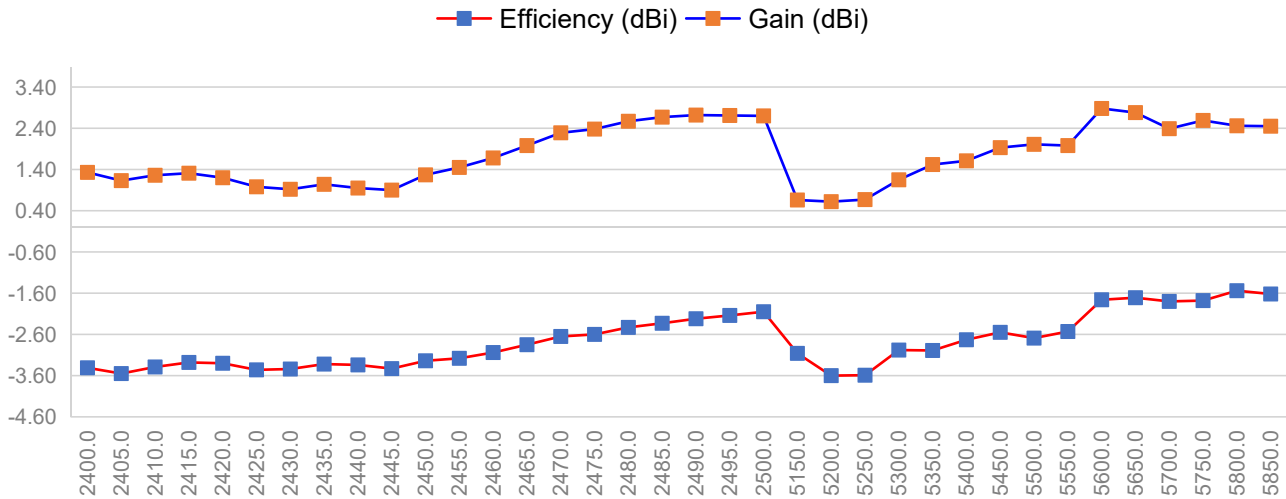
6.2 Return Loss



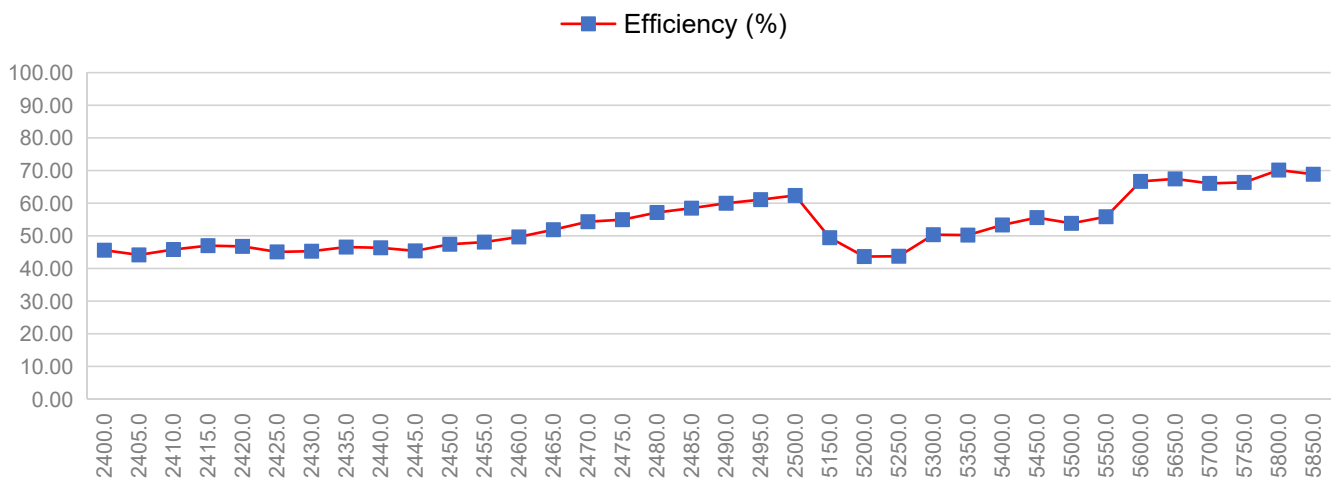


6. Performance Data

6.3 Gain



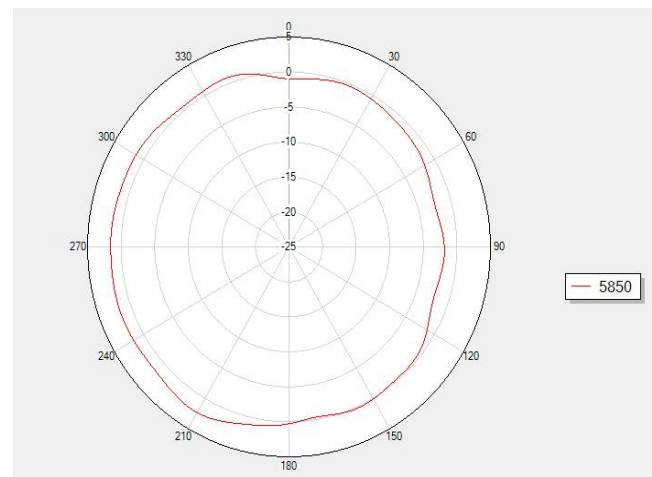
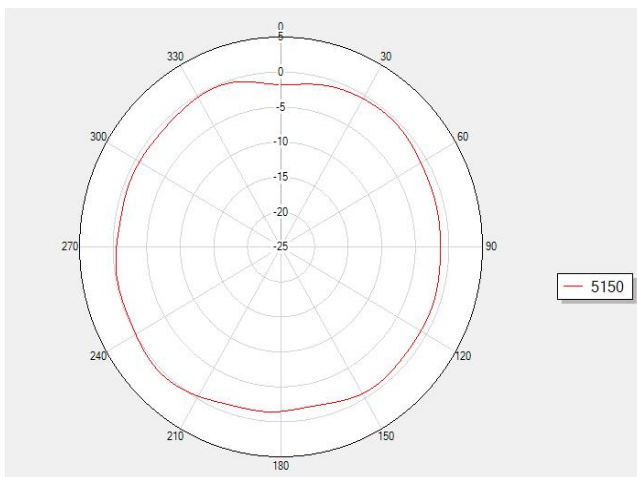
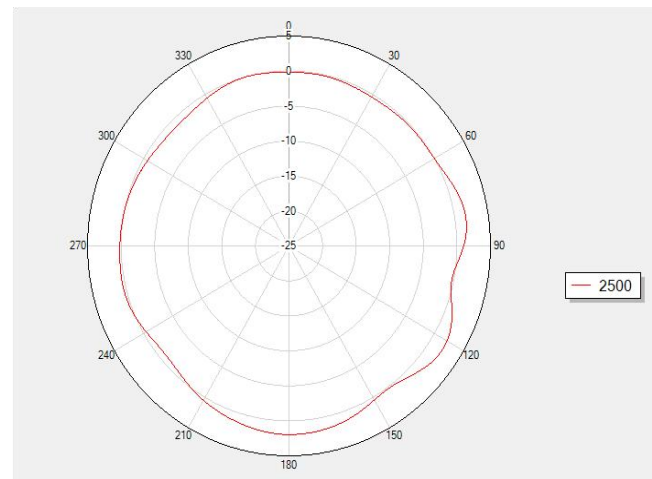
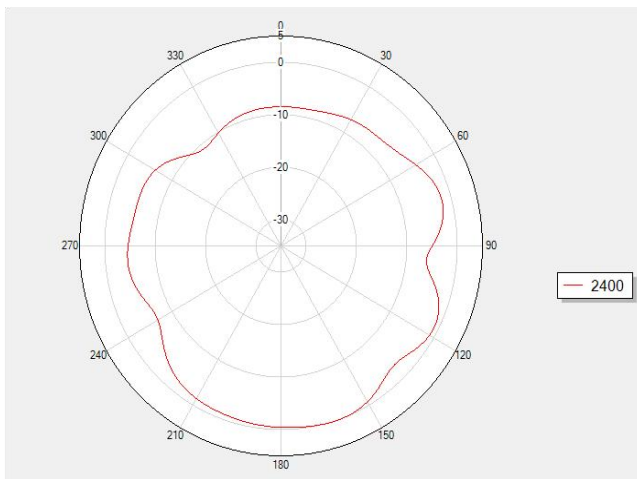
6.4 Efficiency





7. Radiation Patterns

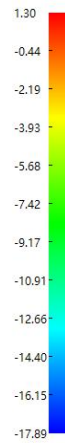
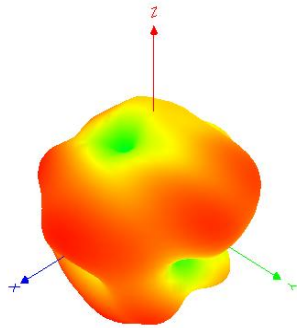
7.1 2D Radiation Patterns



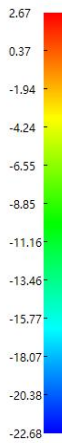
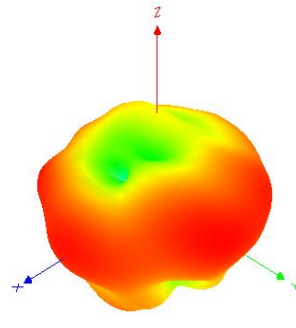


7.2 3D Radiation Patterns—2400MHz、2500MHz

Frequency (MHz) : 2400

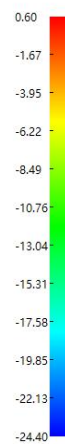
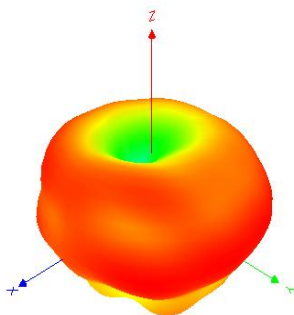


Frequency (MHz) : 2500



7.3 3D Radiation Patterns—5150MHz、5850MHz

Frequency (MHz) : 5150



Frequency (MHz) : 5850

