

BT FPC Antenna (FPC-047)

1.Explanation of Product Number

S	4	H	7	1	1	2	1	3	6	7	1	0	1	0

4.Description

FPC antenna series are specially designed for WiFi (802.11 b/g/n) applications. Based on proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5.Electrical Specifications

5-1. Electrical Table (2400~2500MHz Band)

Characteristics	Specifications	Unit
Outline Dimensions	23.1*13.0*0.12mm	mm
Center Frequency	2450	MHz
Bandwidth	100 min.	MHz
Peak Gain	-2.0	dBi
VSWR	2 max.	
Impedance	50	Ω
Polarization	Linear Polarization	

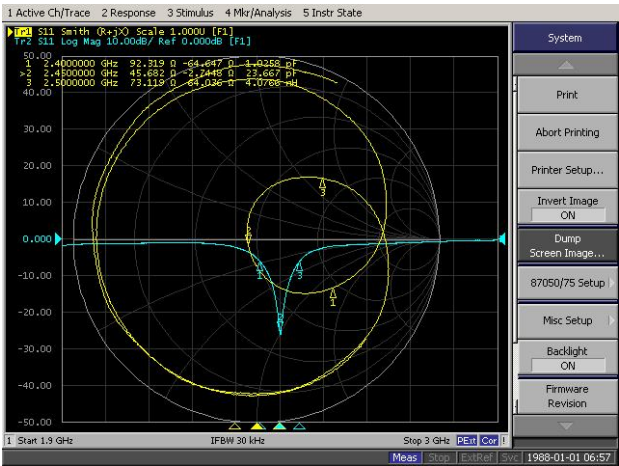
Manufacturer: The One Communication Technology Co., Ltd.

Address:Room 526, Building 1, Bao'an Foreign Trade Industrial Zone, No. 51, Lane 1, Xin'an Third Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China

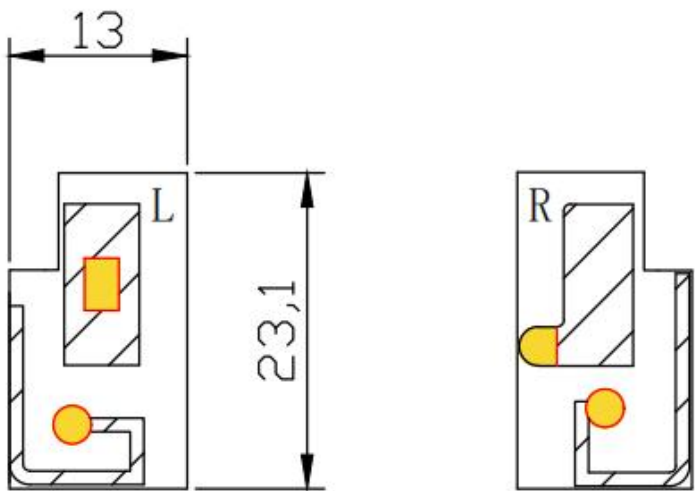
Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01 Angle : $\pm$ Hole Dia. : $\pm$			
Scale :	Unit: mm		
Prepared By :Shelley	Checked By : Joy		
	Approved By : Frank		
TITLE: 23.1*13.0*0.12mm BT FPC Antenna (FPC-047)		PART NO.	REV. A
		S4H711213671010	

5-2.

Return Loss(S_{11})



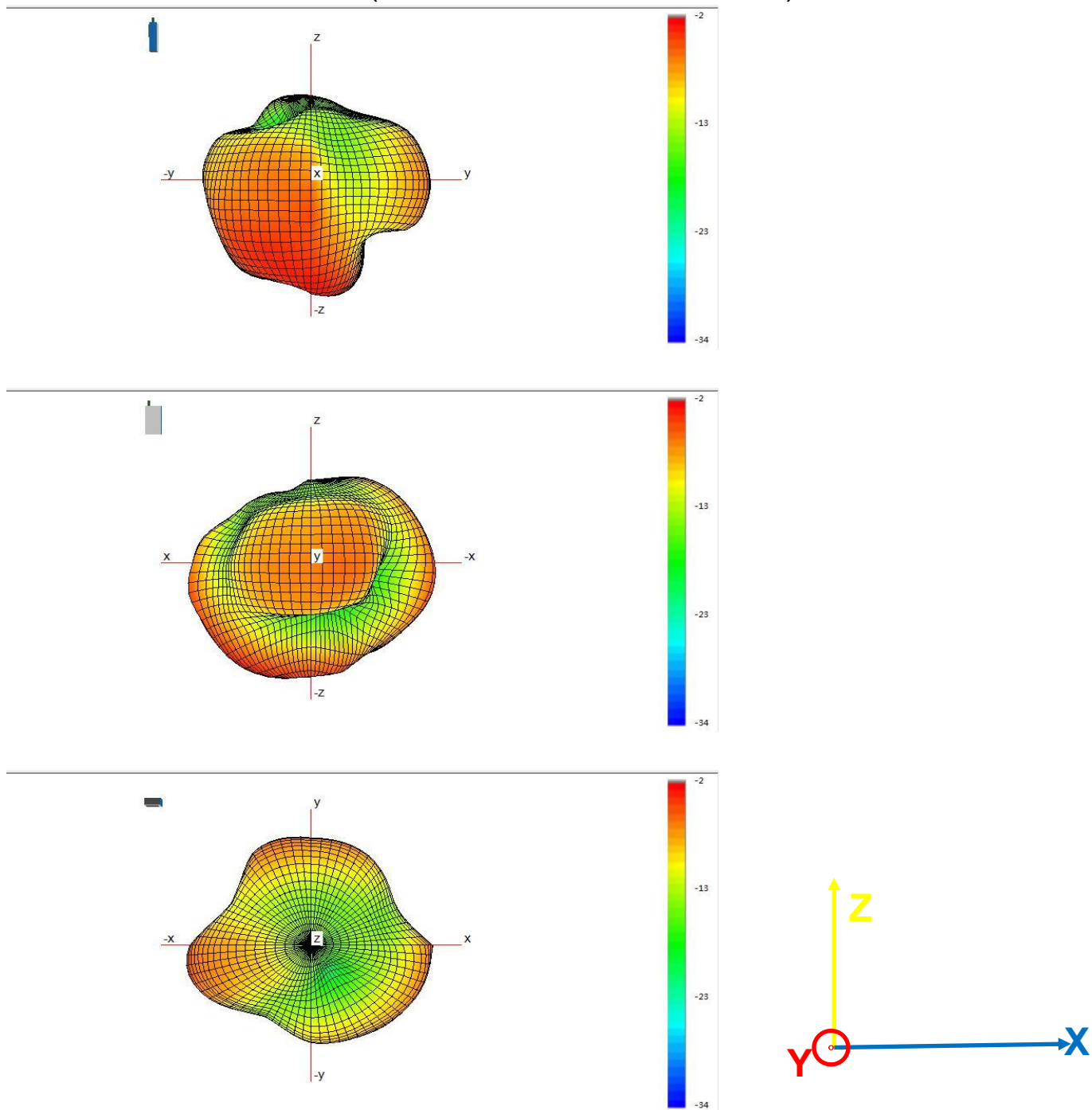
6. Antenna Dimensions (unit: mm) .



Tolerances (Unless otherwise specified)			
X : ± 1 X.X : ± 0.1 X.XX : ± 0.01			
Angle : ± Hole Dia. : ±			
Scale :	Unit: mm		
Prepared By :Shelley	Checked By : Joy		
	Approved By : Frank		
TITLE: 23.1*13.0*0.12mm BT FPC Antenna (FPC-047)		PART NO.	REV.
		S4H711213671010	A

7.Radiation Pattern

7-1. 3D Gain Pattern (Radiation Pattern at 2450 MHz)



Tolerances (Unless otherwise specified)

X : ± 1 X.X : ± 0.1 X.XX : ± 0.01

Angle : $\pm$ Hole Dia. : $\pm$

Scale : Unit: mm

Prepared By : Shelley Checked By : Joy

Approved By : Frank

TITLE: 23.1*13.0*0.12mm BT FPC Antenna
(FPC-047)

PART
NO.

S4H711213671010

REV.

A

8.Revision Control:

Revision	Date	Content	Remark
A	2025.02.21	New Issued.	N/A

Tolerances (Unless otherwise specified) X : ± 1 X.X : ± 0.1 X.XX : ± 0.01 Angle : $\pm$ Hole Dia. : $\pm$			
Scale :	Unit: mm		
Prepared By :Shelley	Checked By : Joy		
	Approved By : Frank		
TITLE: 23.1*13.0*0.12mm BT FPC Antenna (FPC-047)		PART NO.	S4H711213671010
			REV. A