

Shenzhen Feixin Wireless Communication Co.,Ltd.

2.4G SMT Steel sheet Antenna

Product specification sheet

Customer	CHERRY	Frequency band	2400-2500MHz
Name	2.4G SMT Steel sheet	Edition	A1
Material number	FX-2.4G-SMT-GP-A02	Date	2024-07-25

Manufacture: Shenzhen Feixin Wireless Communication Co.,Ltd.

Address: Room 305, Building A, Changjing Robot Industrial Park, Guanhu Sub-district,
Longhua District, Shenzhen City

一、Product Image

Please refer to internal photos.

二、Product Parameter

Product Testing Parameter			
Name	2.4G SMT steel sheet antenna	Model Type	FX-2.4G-SMT-GP-A02
Electrical Specifications			
Frenquency Range	2400-2500MHz	Polarization	vertical
Impedance	50 Ω	Radiation	Omnidirectional
VSWR	≦3.0	Power	50W
Gain	2dBi	Bandwidth	100MHz
Mechanical Specifications			
Dimensions	9.15*5*3.6±0.3mm	Radome Color	silvery white
Connector	SMT surface mount	Cable Length	\
Radome Material	ABS		
(Working Temperature)	-40℃--+95℃	(Limit Temperature)	-40℃--+95℃

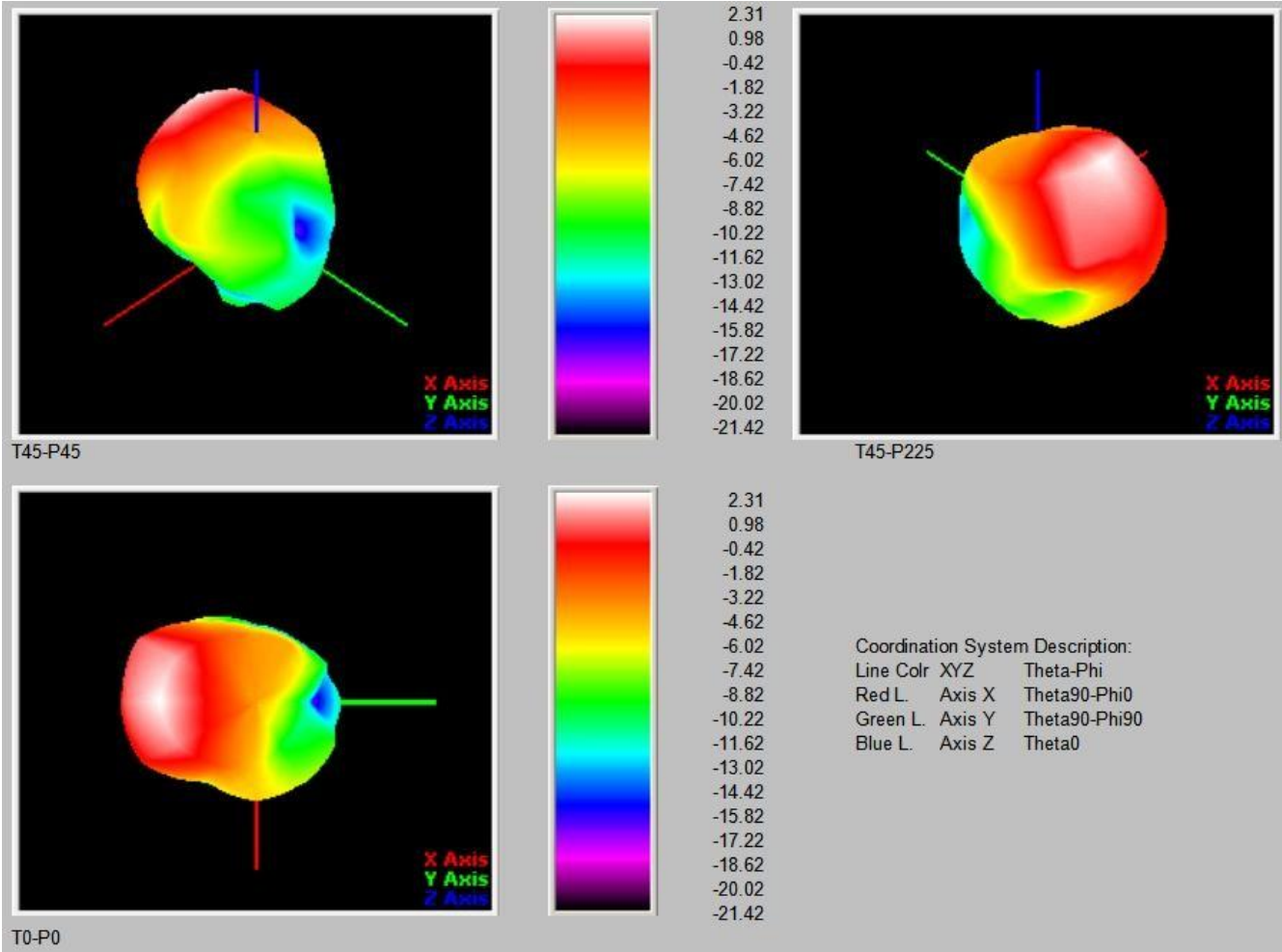
三、S11（VSWR、Return loss、Smith）



(1) (Antenna testing efficiency)、(Gain)

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	2.87	59.1%
<u>2</u>	2410.0	1.95	56.0%
<u>3</u>	2420.0	2.10	60.2%
<u>4</u>	2430.0	2.04	57.6%
<u>5</u>	2440.0	2.19	60.3%
<u>6</u>	2450.0	2.31	61.9%
<u>7</u>	2460.0	2.37	60.6%
<u>8</u>	2470.0	2.40	60.5%
<u>9</u>	2480.0	1.90	66.8%
<u>10</u>	2490.0	2.37	69.3%
<u>11</u>	2500.0	2.46	66.9%

(2) (Antenna Apple Chart)
Passive -Freq2450.00MHZ



四、(Structural drawings)

[illegible]