



Ningbo Shenghong Communications Equipment Co., Ltd.

Product Specification

Product Name: BLE Antenna K3

Specification: SHZD2400-2U-K3

Company Code: SHSC3.945.04031

Customer Code:

Compile: caizhao

Reviewed: zenglinrui

Approved:

File number:

Customer:

Customer affirm:

date: 2022.08.25

BLE Antenna K3

I . Product Name:

II . Specification:

III. Technical Parameter:

1. Electrical Characteristics

Frequency range:	2400-2483MHz
Band Width:	83MHz
Polarization:	Vertical
Max Gain:	1dBi
Max VSWR:	≤ 3.0
Impedance:	50 Ω
3dB beam width:	H:360° E:90° ± 20
Max.Power:	10W
Lighting protection:	DC Ground

(Determined by the sample)

2. Mechanical Characteristics

Input:	U.FL (male)
Cable type:	1.13 or other
Cable length:	160mm
cable Impedance:	50 Ω





Antenna weight: about 5g
Radiation material: copper
Colour: White (appoint color)

(Determined by the sample)

3. Working Environment:

Temperature: $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

Corrosive gas environment: no acidity and no alkalescence in air all around
(contenting other request environment)

IV. Max exterior Dimensions:

L x Φ : about $225\text{mm} \times \Phi 3\text{mm}$ (Determined by the sample)

V. Materiel Introduction:

1. General Situation: This product is Designed according to the particular criterion, This antenna was used to The Wireless public-WIFI. This antenna's performance is excellent, figuration is handsome, dependability is well.

2. Package & Stock age: This product should be packed in plastic box, and then put into hard carton; each box with a conformity certificate, which is included product P/N, date, checking stamp, company stamp; each box is sticked with product P/N, package quantity. The stockage condition is: $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$; the compared humidity is 80%; being stored in the room without acidity, alkalescency and causticity in air.

3. Exchange Relationship: U.FL-K

4. technics & use: immediately screw on.

JUNPER INTERCONNECTION CO., LTD,
TECHNOLOGY CENTRE

2022. 08. 25

外形图

1E070576(C)SHS

Technical drawing of a cable assembly. The drawing shows a long, thin cable with a connector at one end. Dimensions are indicated: a total length of 225±8, a segment length of 62±6, and a connector diameter of Ø1.13. A callout '1' points to the cable body, and a callout '2' points to the connector.

number	Code	Name	number	Remarks
3	SHSC6.645.8205	UFL Cable assembly	1	Ø1.13,White skin
2	SHSC7.391.04.003	Heat shrinkable tube	1	White

Technical requirements:
1.Antenna color: white.
2.Frequency requirements: 2400-2483MHz.
3.VSWR: ≤3.0.

Ningbo Shenghong Communications Equipment

Assembly drawing
SHZD2400-2U-K3

BLE Antenna K3

Design ZENG LINGRUI Quality

Standard

Check

Assembly

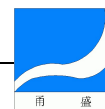
Approval

Figure like Mark Version V1.0

S A Weight --g

Paper: / Proportion

SHSC3.945.04.031



The Testing

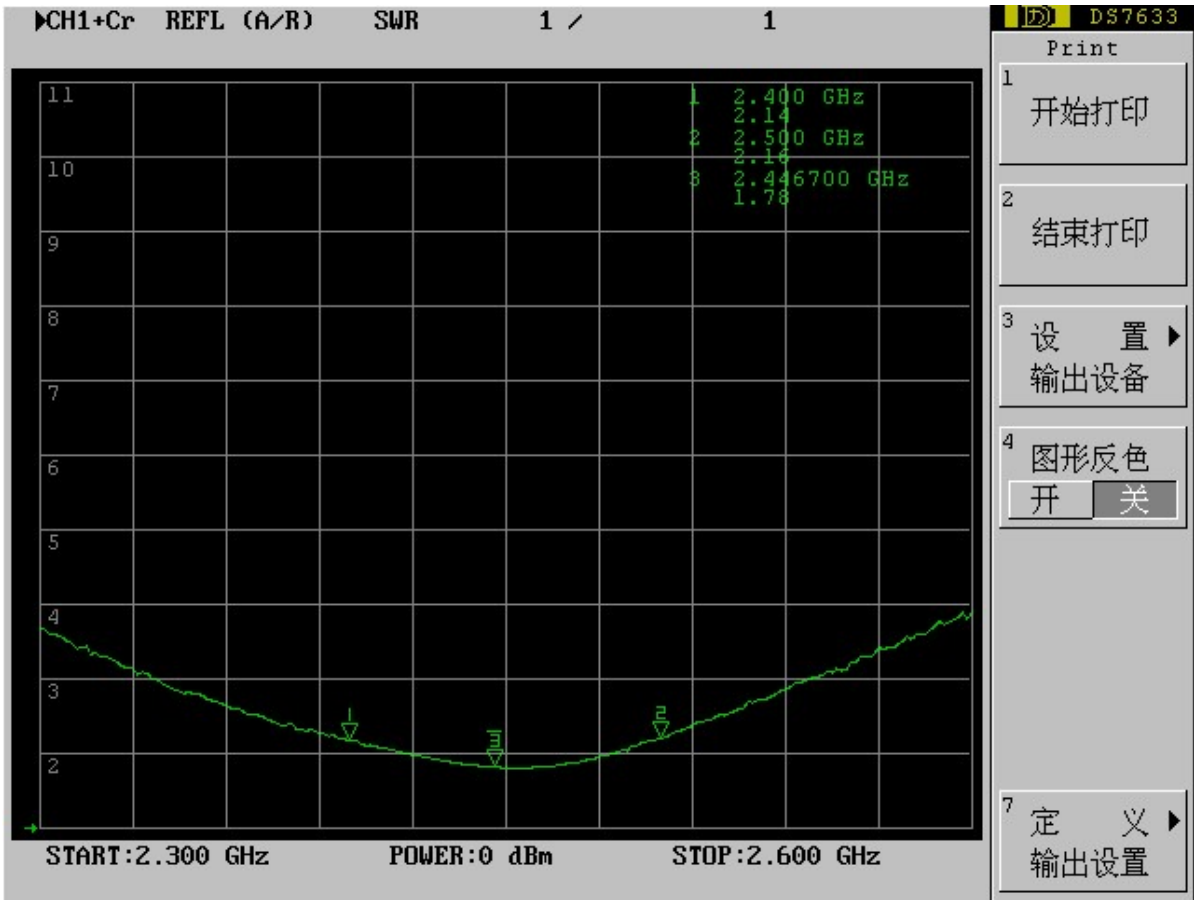
Appendix 1

The Date

Number	Item type		Requiremengt	Result
1	Frequency		2400-2483MHz	OK
2	Band Width		83MHz	OK
3	Polarization		Vertical	OK
4	Max Gain		1dBi	OK
5	Max VSWR		<3.0	2.53
6	Beam width	H	360°	360°
		E	90° ±20	OK
8	Input		UFL-K	OK



Appendix 2—VSWR



Appendix 3—Beam width

