

Shenzhen Kaipusen Communication Technology Co., LTD

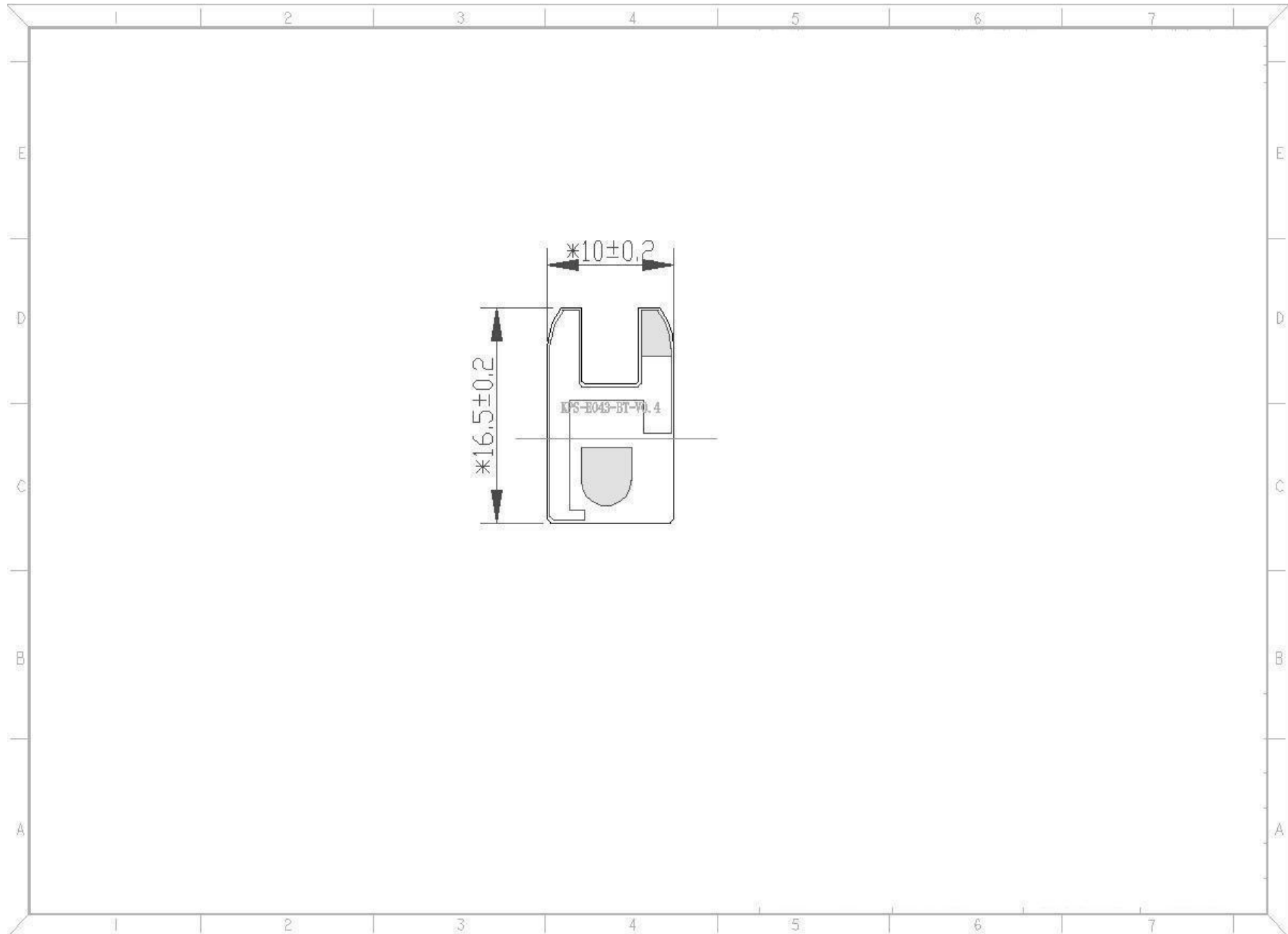
Antenna data sheet

YJ. 1960 R	BT Antenna
YJ. 1843 L	Black/A
2024-04-12	

Destprovidernam: Shenzhen Kaipusen Communication Technology Co., LTD

Add: 2nd Floor, Yulong Office Building, Longcheng Industrial Zone, No. 440,
Longguan Avenue, Longhua New District, Shenzhen City

3.1: ICD

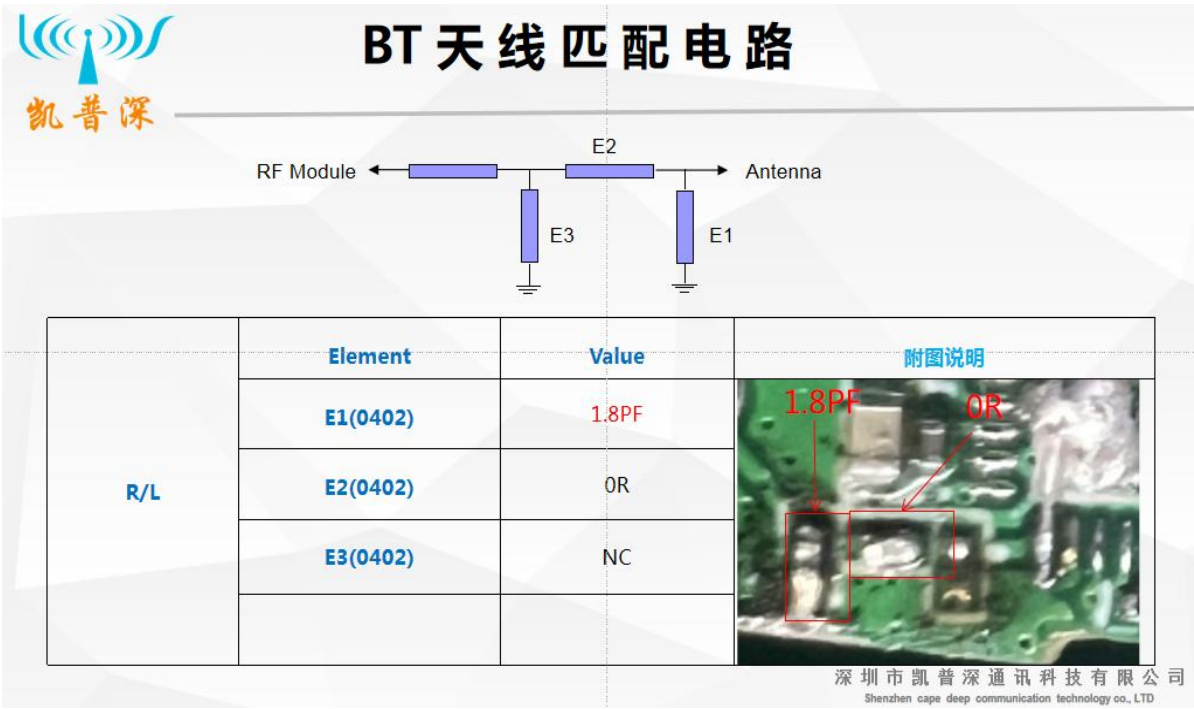


4.1 antenna performance

4.1-1 specification standard

2.4-2.48GHz

4.1-2 The matching circuit of the antenna. : The matching circuit is as follows

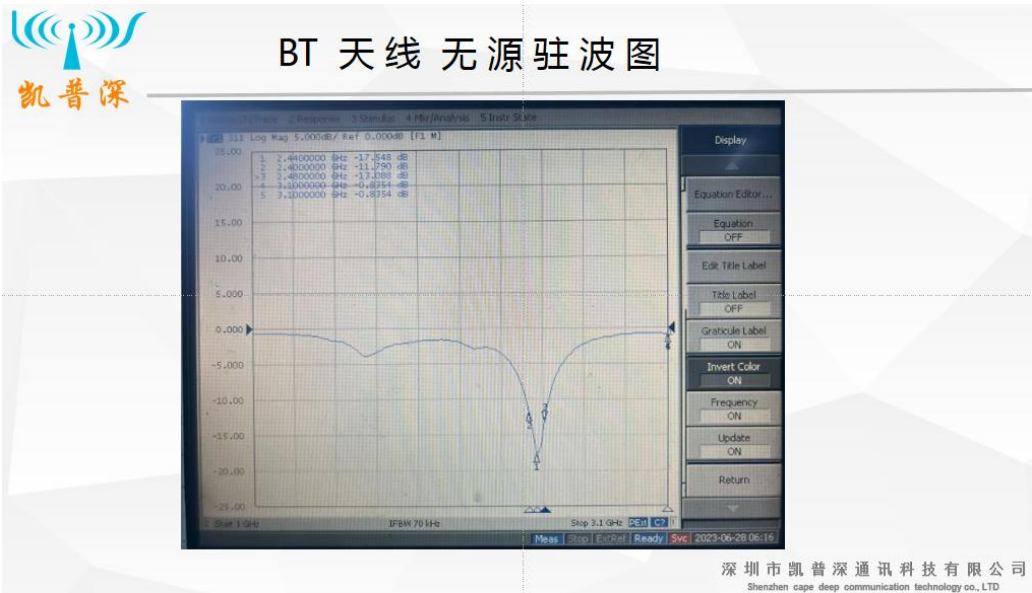


4.2 VSWR

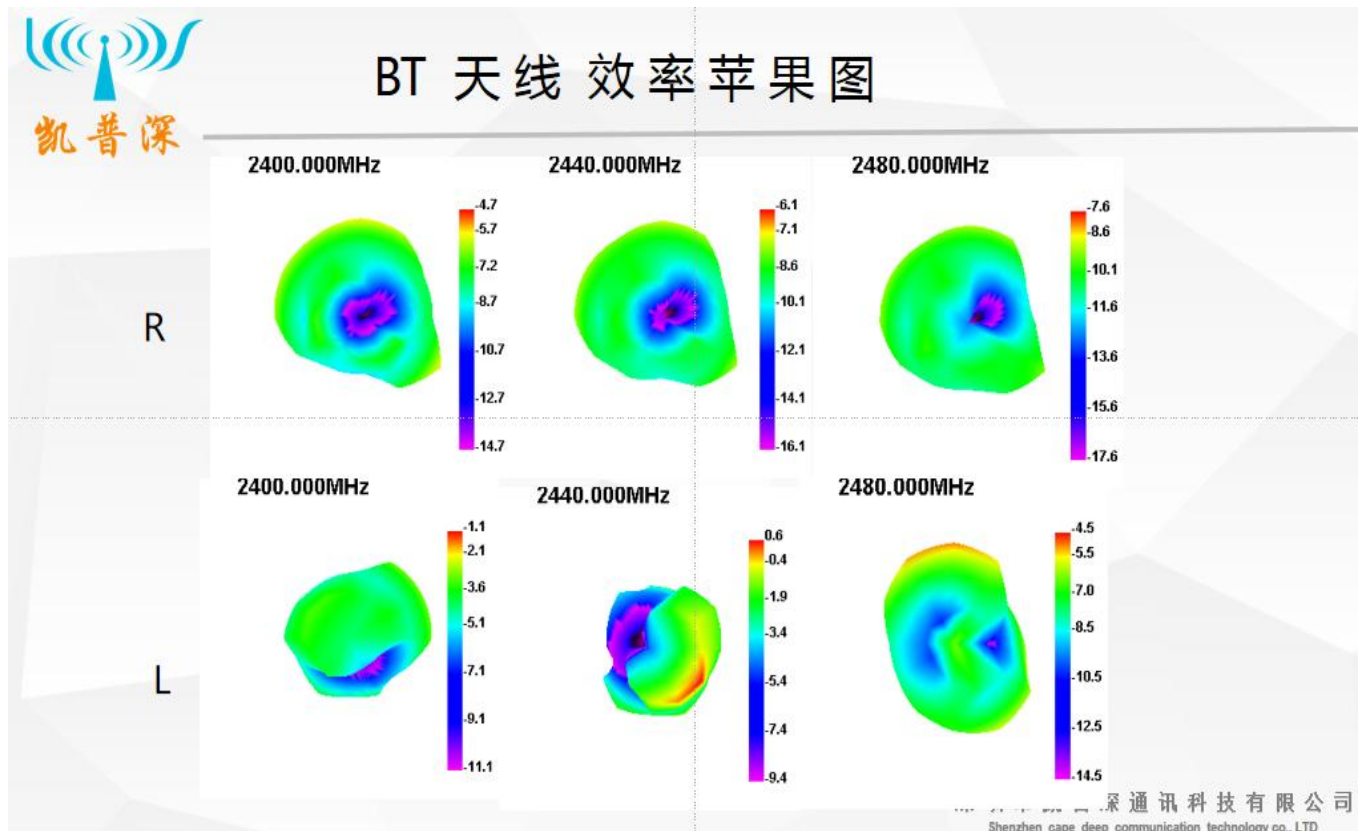
4.2-1 Test Settings

The VSWR test device is connected in sequence as follows: E571B network analyzer → 50-ohm coaxial Cable →150mm long copper tube → Test fixture.Treatment of the test fixture: Take a hard cable from the 50-ohm test point of the antenna on the PCB of the machine to lead out the SMA-J connector and connect it to the copper tube with a choke coil, and then connect other devices in sequence.

4.2-3 Passive test results



4.2-4 Passive test data of the entire machine:





自由空间有源数据

Test	Bluetooth TRP		
Result	0	39	78
Frequency (MHz)	2402	2441	2480
Txp Ave (dBm)	0.31	1.12	0.14

Test	Bluetooth TIS		
Result	0	39	78
Frequency (MHz)	2402	2441	2480
Sens Ave (dBm)	-80.86	-81.72	-81.15

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4.3 Antenna environment treatment for the entire machine:



环境处理

电池线喇叭线双绞线形式四圈摆放

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