

VEIDOO

APPROVAL SHEET

CUSTOMER: SignalsenDICRIPTION: AntennaMODEL NO: WIFI/BTCUSTOMER P/N: W700-1B66B-J

CUSTOMER MODEL: 6-inch EBOOK READER

Antenna type: PIFA

Approval Department	Project	Hardware	Software	Test	FAE /Structure	Technical Center Manager
Confirm						

Review Result:

Qualified

☐

Unqualified

☐

Address:

Room 211, Hengbo science and technology Industrial Park, Qingning road, Long
hua District, Shenzhen

1. Project information and Electrical Specification

Those specifications were specially defined for A523 model, and all characteristics were measured under the model's handset testing jig .

1-1 Antenna picture



1-2 Frequency Band:

Frequency Band	MHz
Wi-Fi/BT	2400-2500

1-3 Impedance matching

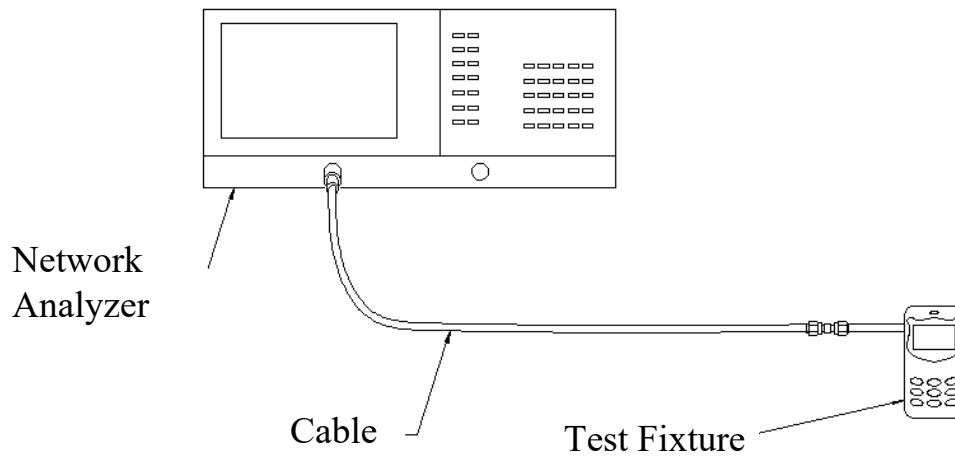
Original antenna matching remains unchanged.

2. VSWR

2-1 Measuring Method:

- 1. A 50Ω coaxial cable is connected to the antenna. Then this cable is connected to a network analyzer to measure the VSWR,*
- 2. Keeping this jig away from metal at least 20cm.*

Test Schematic Diagram as Below:



2-2 S11 Parameter Values

Frequency (MHz)	2400	2500
VSWR	1.04	1.32



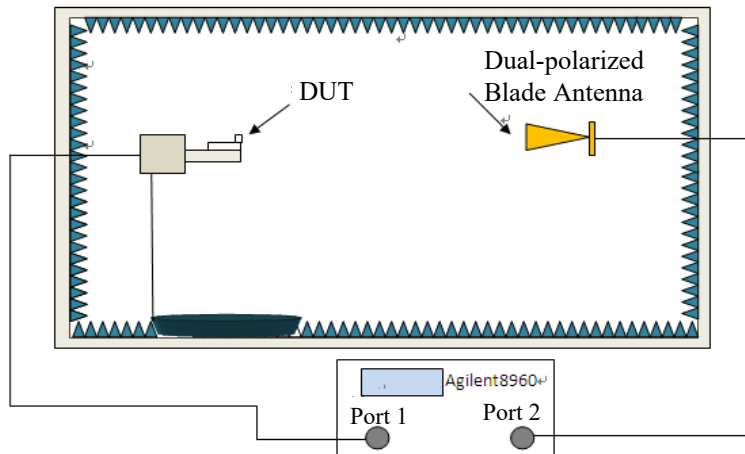
3. Efficiency and Gain

*Measuring and Test Instruments:

Anechoic Chamber, Agilent Network Analyzer, Agilent Spectrum Analyzer, 8960 Wireless Communications Test Set, Standard Antenna

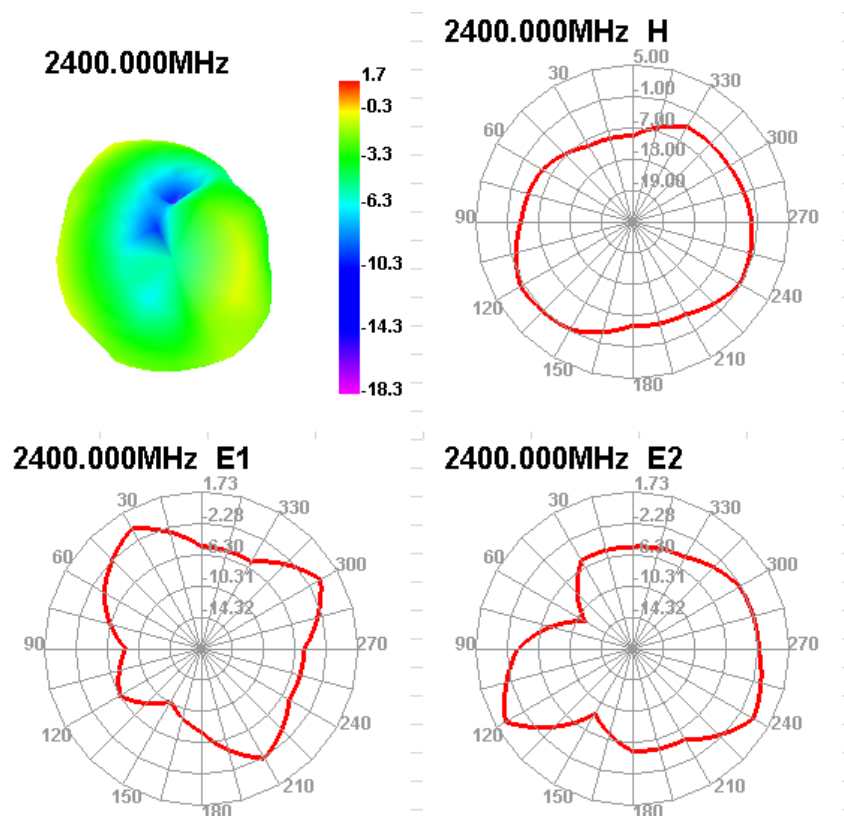
*Test Method:

The equipment is placed at the center of the turntable in H-plane orientation and secured, aligned at the same horizontal level as the horn antenna center.

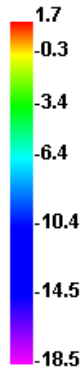
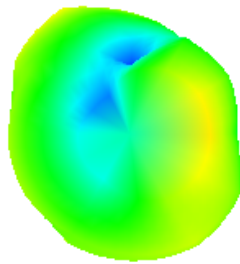


3-1 Efficiency/Gain- WIFI/BT

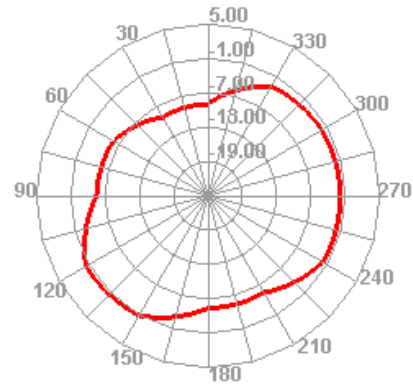
BAND	WIFI/BT		
Freq.[MHZ]	2400	2450	2500
Gain [dBi]	1.7	1.7	1.9



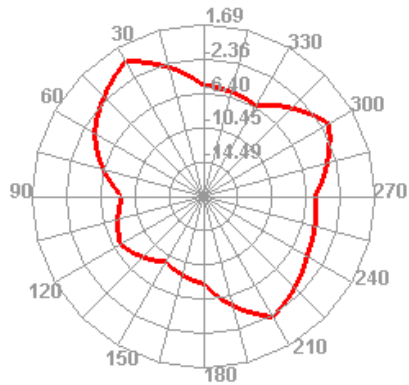
2450.000MHz



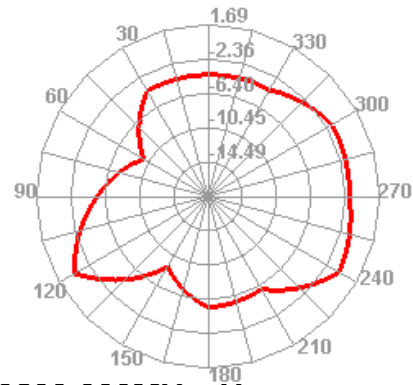
2450.000MHz H



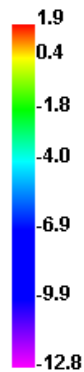
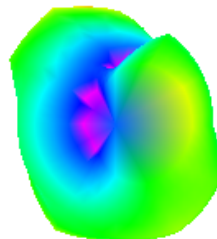
2450.000MHz E1



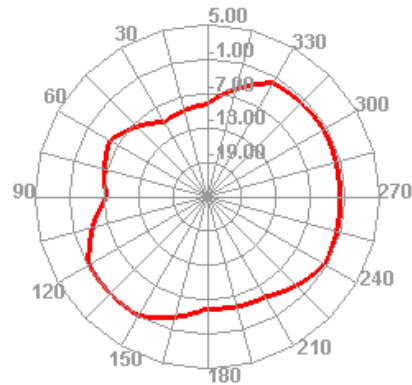
2450.000MHz E2



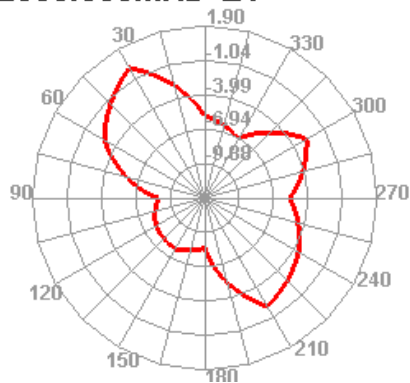
2500.000MHz



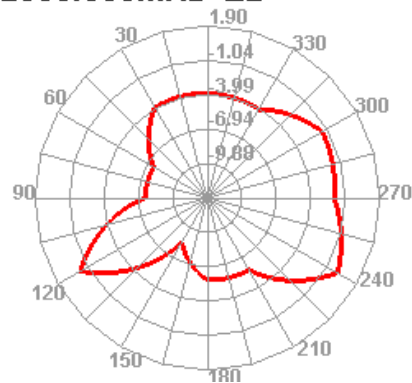
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



5. Production Specifications

During antenna mass production, VSWR shall be adopted as the mass-production test criterion.

Standards are specified below according to project-to-project differences:

Frequency (MHz)	Mass-Production Specification
2400-2500	VSWR (mass-production unit) < VSWR (design sample) + 0.5

6. Structural Drawings

Unit: mm

NO.	Component name	Specification Description	Component no.	Number
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1	WIFI/BT Ant	26.54*23.75*0.1	W700-1B-J	1PCS
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2	Cable	66*0.81 (black)	W700-1B66B-J	1PCS
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 shenzhen signalson technology Co., Ltd

