ZeDi RF107E WIFI2.4G antenna acknowledgment
Product Specifications for Approval

The Part number：WF073-1131R-170

The customer name:**ZeDi** Models：**RF107E**

Antenna band：WIFI2.4G

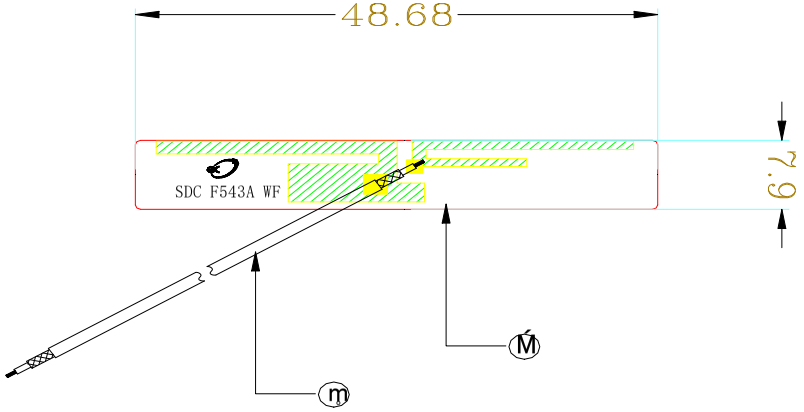
Version: R-A Date： 2022-9-14

Shenzhen ShunDaCheng Technology Co.,Ltd.			
MD：	**Yulong zhang**	**RF：**	**Liwen Ceng**
Audit:	**Qiang Chen**	**Approval:**	**Huaming Chen**
Customer Confirmation			
Customer audit：		**Customer approval:**	

Company address：Floor 4, building B5, xinfu industrial park, chongqing road, fuyong town, baoan district, shenzhen

The phone：0755-27211658 **Fax**：0755-29485750

REV	DATE	DESCRIPTION
A0	2022.9.14	New Issue



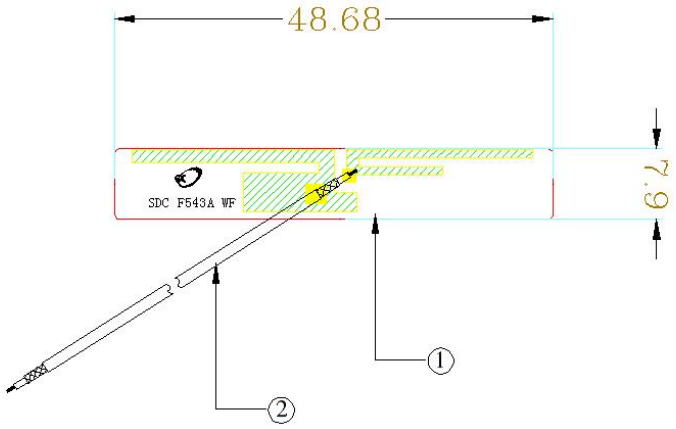
NO	DESCRIPTION	QTY	REMARK
2	Cable ?1.13 Cable Grey,50Ω	70	
1	FPC FPC-Black oil black word, half on half substrate, do antioxidant treatment 3M 9471Back Glue	1	

XX.	±5	APPROVED	CUSTOMER:	ZeDI
X.	±3.0	Fu Xuerong	PART NAME:	WiFi（RF107E) FPC(丝印 SDC F543A WF)+?1.13 Cable Grey+OPEN Right L=70mm
.X	±1.0	CHECKED	SDC P/NO :	WF714B-A140-A
.XX	±0.5	Chen Wei	REV / UNIT	FILE :
.XXX	±0.1	DRAWING	A0 / m/m	SHEET : 1/3
		Chen Wei		

Shenzhen Shunda Technology Co. , Ltd.

Shenzhen ShunDaCheng Technology Co.,Ltd.

1. Project information and Electrical Specification



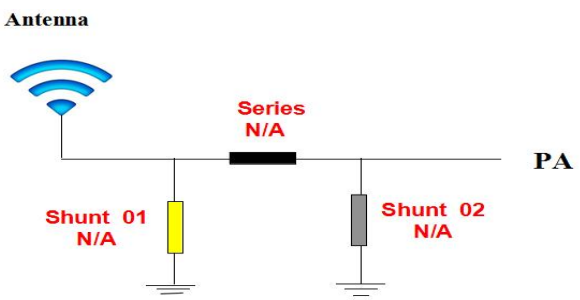
*Those specifications were specially defined for***ZeDi RF107E**，***WIFI2.4G,*** *and all characteristics were measured under the model's handset testing jig .*

1-1 Antenna picture

1-2 Frequency Band:

Frequency Band	MHz
WIFI2.4G	2400-2500（MHz）

1-3 Impedance matching



Antenna original match without change

2.VSWR

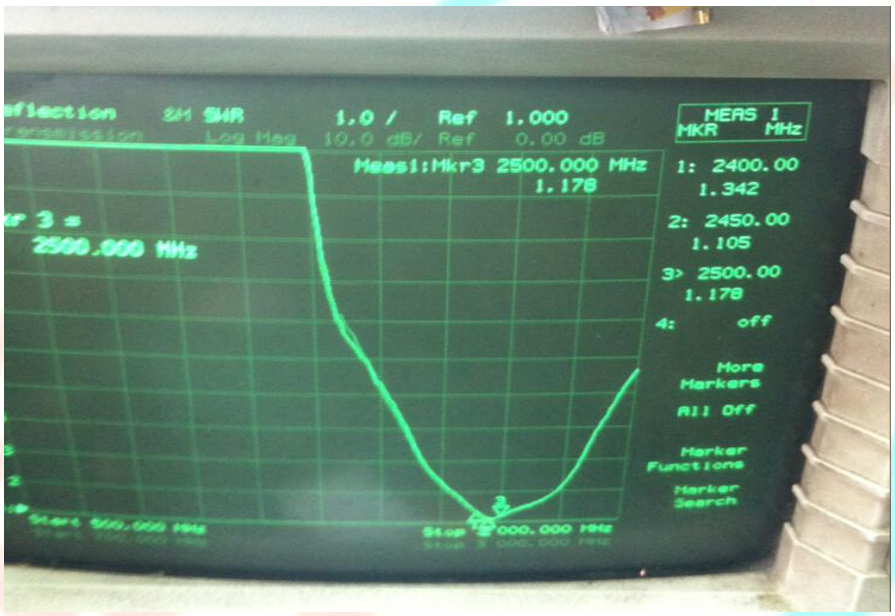
Measuring Method:

1. A 50 Ωcoaxial 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.

VSWR parameter values

frequency（MHZ）	2400	2450	2500
Standing wave	1.34	1.10	1.17



3. **Efficiency and Gain***measuring and test instruments:

Microwave Darkroom, Agilent Network Analyzer, Agilent Spectrum Analyzer, 8960 Integrated Tester, Standard Antenna

* Test method:

The equipment is fixed at the center of the turntable in the center of the turntable, with the center of the horn antenna on the same horizontal line.

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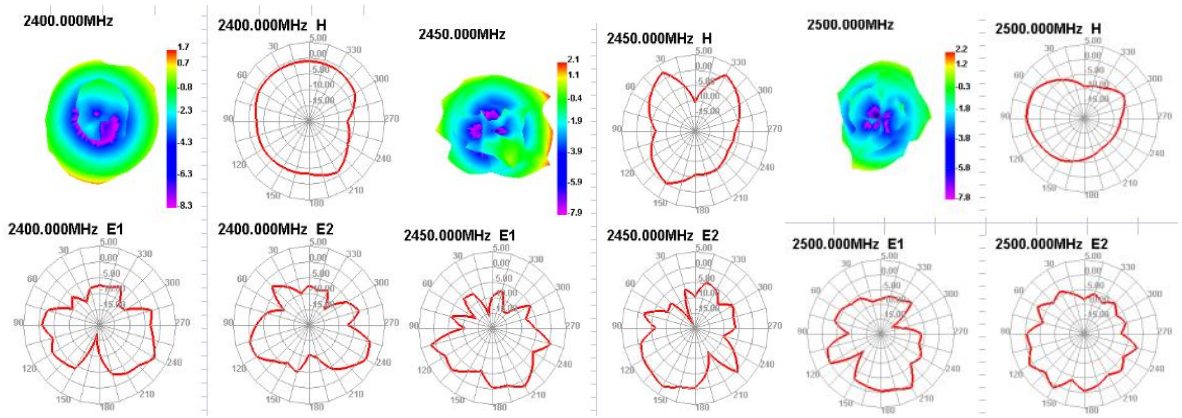
Efficiency/Gain-WIFI2.4G

BAND	WIFI2.4G/BT		
Freq.[MHZ]	2400	2450	2500
Eff.[%]	42.35	43.15	44.02
Peak Gain [dBi]	1.62	1.07	1.24



4.The production index

Antenna production, the standing wave ratio as a production test standards.
According to the difference between the project itself, given the following criteria:

frequency	Production standards
WIFI2.4G	VSWR（Production products） <VSWR(Design samples)+/-0.5