

# Antenna matching report



Model Name: G11

Frequency: BT(2402~2480MHz)

Date: 2022.05.23

Number: 20220523002

Producer: Jerry

**Dongguan Hekang Electronics Co., LTD**

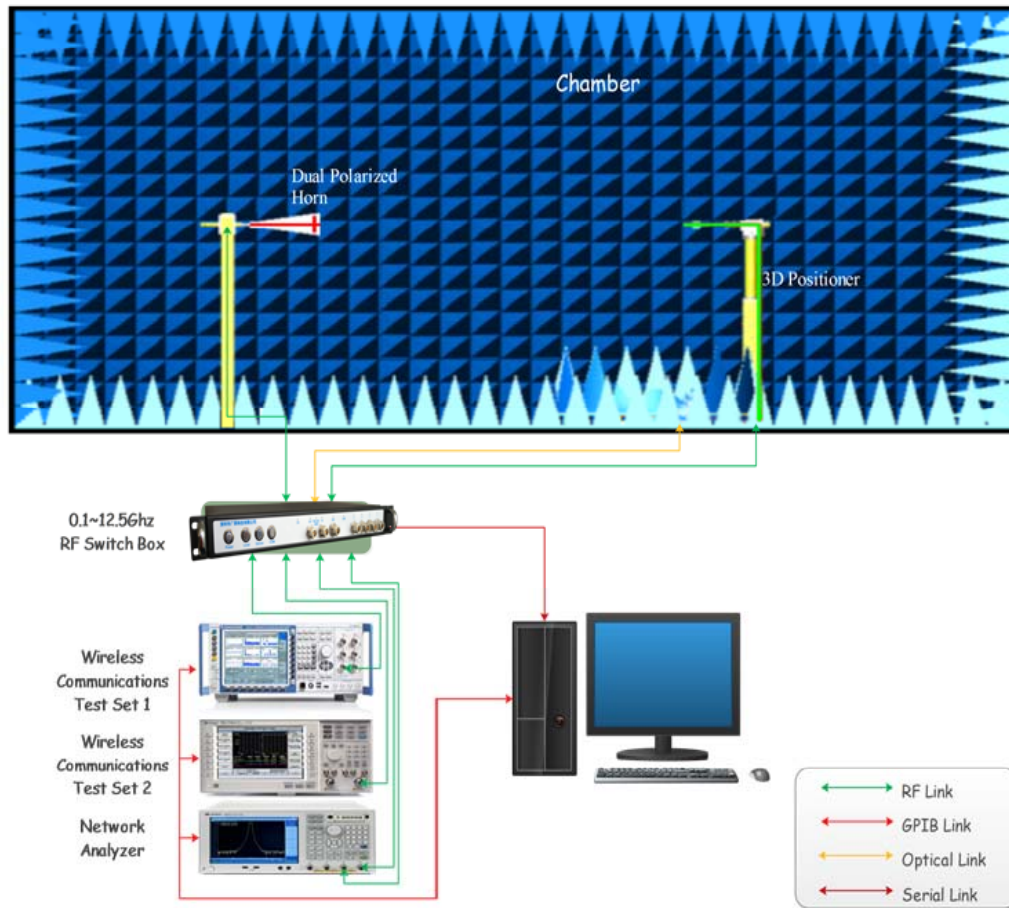
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Website: [www.hekcorp.com](http://www.hekcorp.com) TEL: 0769-87888306 FAX: 0769-87888656

# Antenna matching report



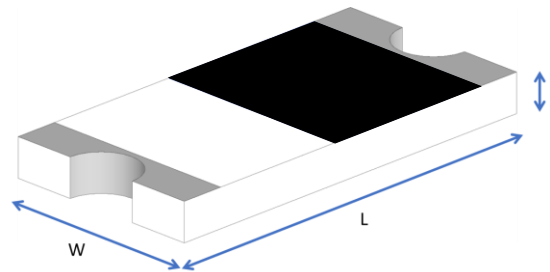
## 1. Test equipment and conditions



QUIPMENT	BRAND	MODULE
Network analyzer	Agilent	E5071C
Signal Generator	ROHDE&SCHWARZ	CMW-500
Switch	GuangPing	SW-2
Anechoic chamber	GuangPing	OTA-533

## 2. Product Overview & Dimension

Antenna Type: SMD Antenna



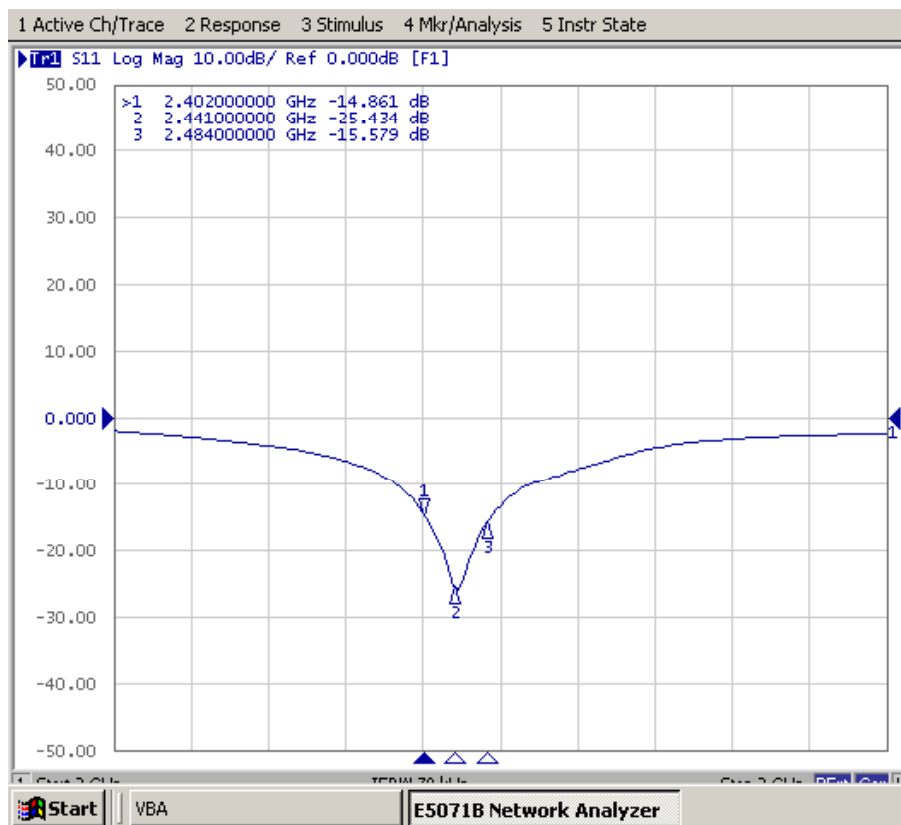
	Dimension (mm)
L	$2.05 \pm 0.20$
W	$1.23 \pm 0.20$
T	$0.45 \pm 0.20$

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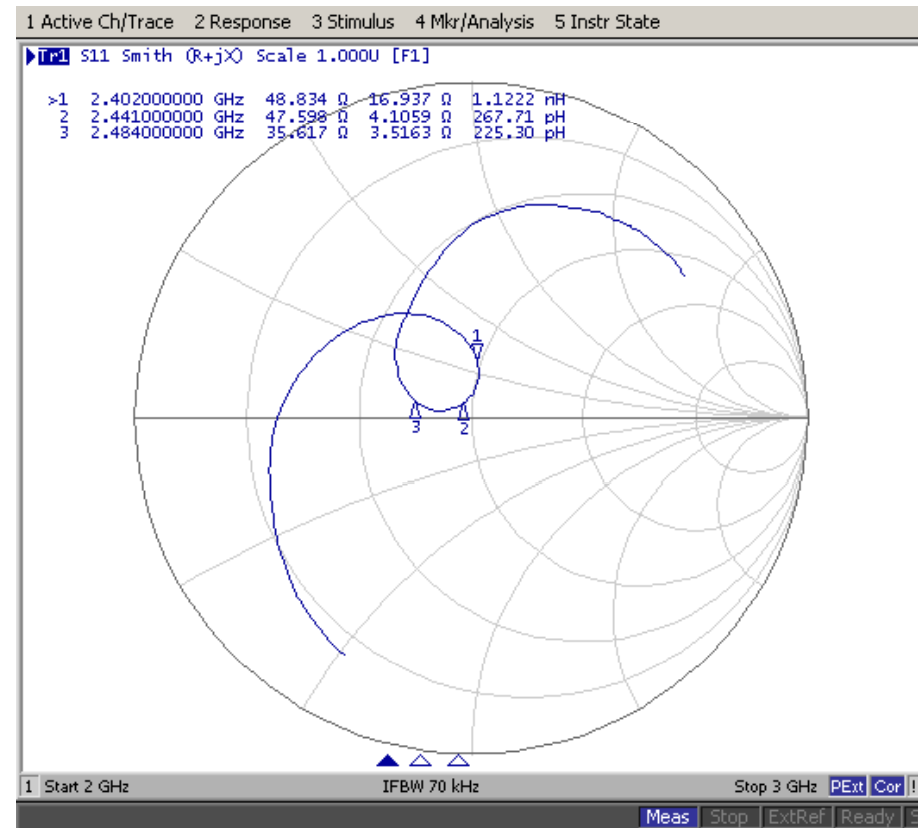


## 3. Antenna S parameter

### Return Loss



### Smith (R-jx)

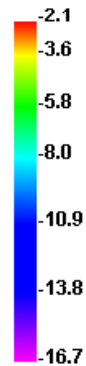
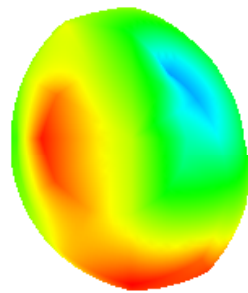


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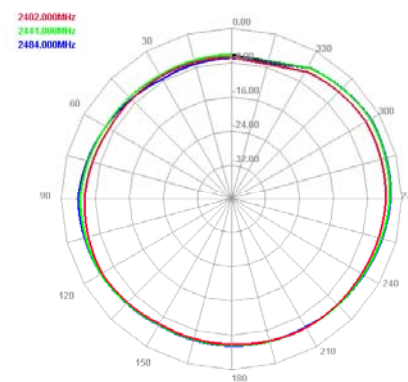


## 4. Passive data

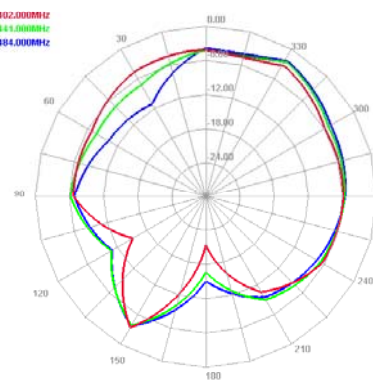
2441.000MHz



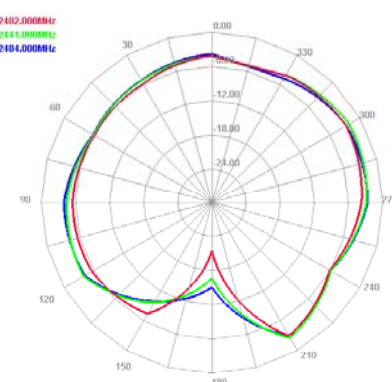
Horizontal



E1 Face



E2 Face



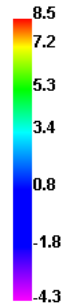
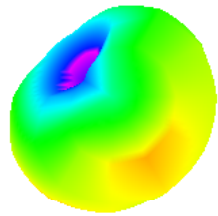
Frequency	Efficiency (%)	Efficiency (db)	Gain
2402 (MHz)	36.24	-4.23	-0.13
2441 (MHz)	38.46	-4.06	-0.04
2484 (MHz)	35.36	-4.43	-0.46

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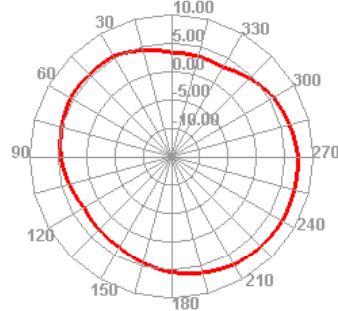


## 5. OTA Test Date

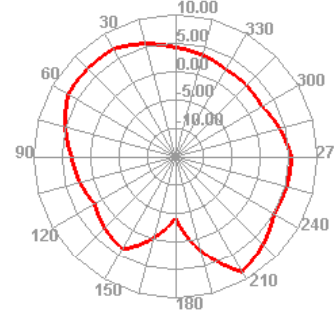
Bluetooth 39 TRP



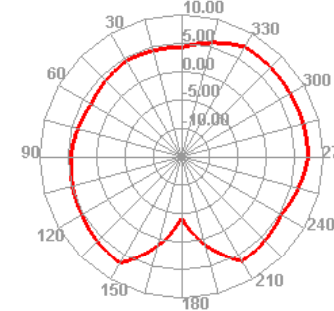
Bluetooth 39 TRP H



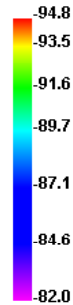
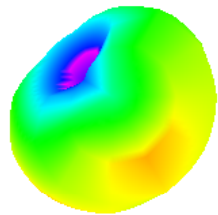
Bluetooth 39 TRP E1



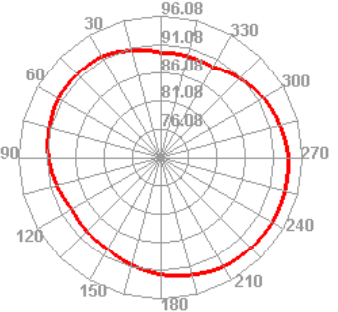
Bluetooth 39 TRP E2



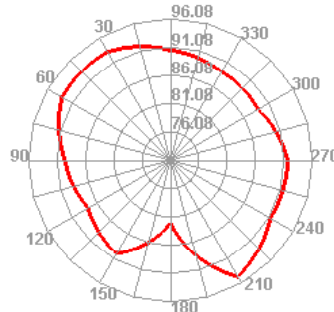
Bluetooth 39 TIS



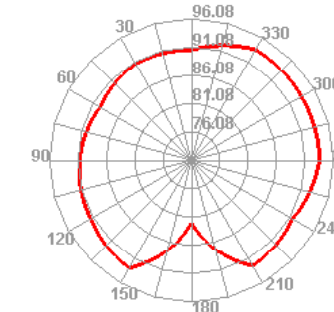
Bluetooth 39 TIS H



Bluetooth 39 TIS E1



Bluetooth 39 TIS E2



	TRP			TIS		
	0 (Low)	39 (Mid)	78 (High)	0 (Low)	39 (Mid)	78 (High)
L	3.81	3.67	4.01	-88.24	-90.36	-89.6
R	4.77	3.99	3.69	-91.25	-91.22	-90.36

**Thank You !**