

Model Name: BOYA mini-RXU

Frequency: (2402~2480MHz)

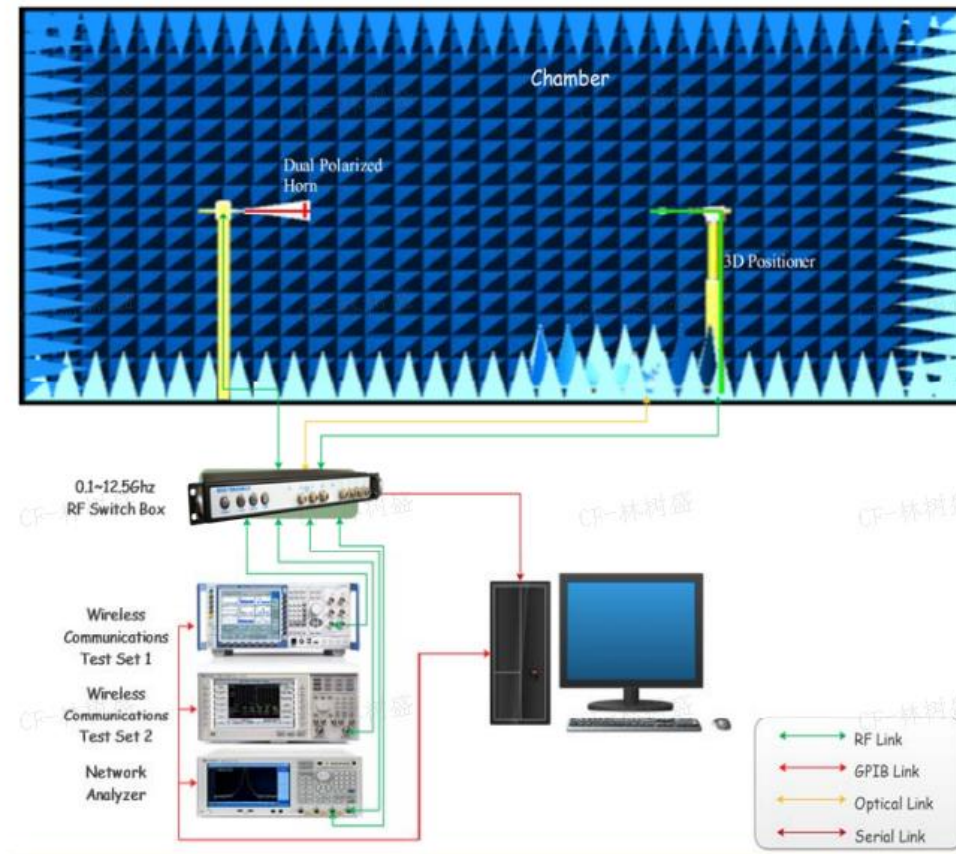
Manufacturer: Shenzhen Jiayz photo industrial ., Ltd

Address:A16 Building, Intelligent Terminal Industrial Park of Silicon Valley Power,
Guanlan,Longhua District, Shenzhen, China

Antenna gain report

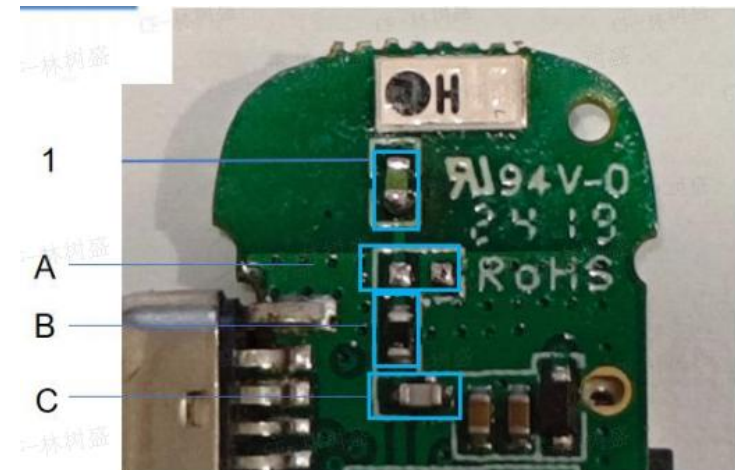
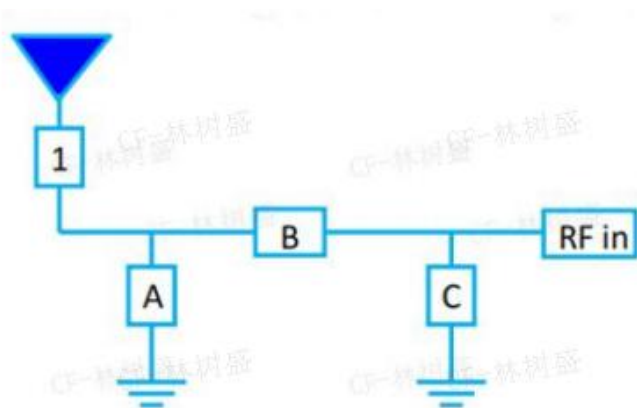
DIRECTORY	
NO	PROJECT
1	Test equipment and conditions
2	Match parameters
3	Antenna S parameter
4	Passive data
5	Antenna size

1、Test equipment and conditions



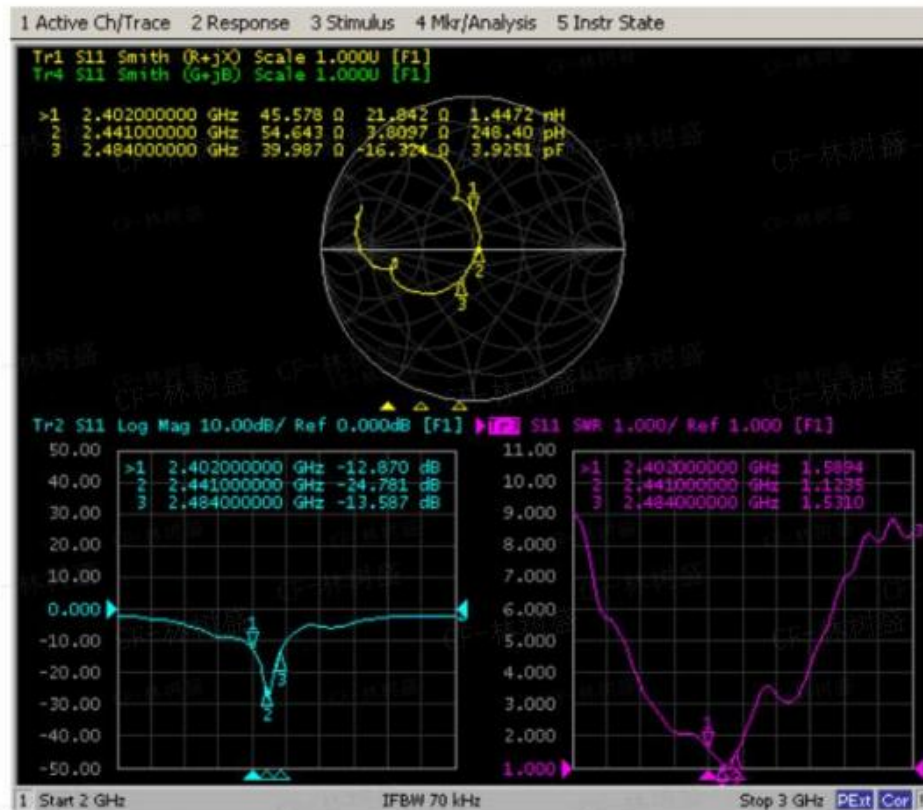
QUIPMENT	BRAND	MODULE
Network analyzer	Agilent	E5071C
Signal Generator	ROHDE&SCHWARZ	CMW-500
Switch	Wide screen	SW-2
Anechoic chamber	Wide screen	OTA-533

2、Match parameters



NO	Product	Description
1	Inductor	0402 10nH $\pm$ 0.1nH
A	NC	NC
B	Resistor	0402 0R 5%
C	Capacitor	0402 0.5pF $\pm$ 0.1pF 50V

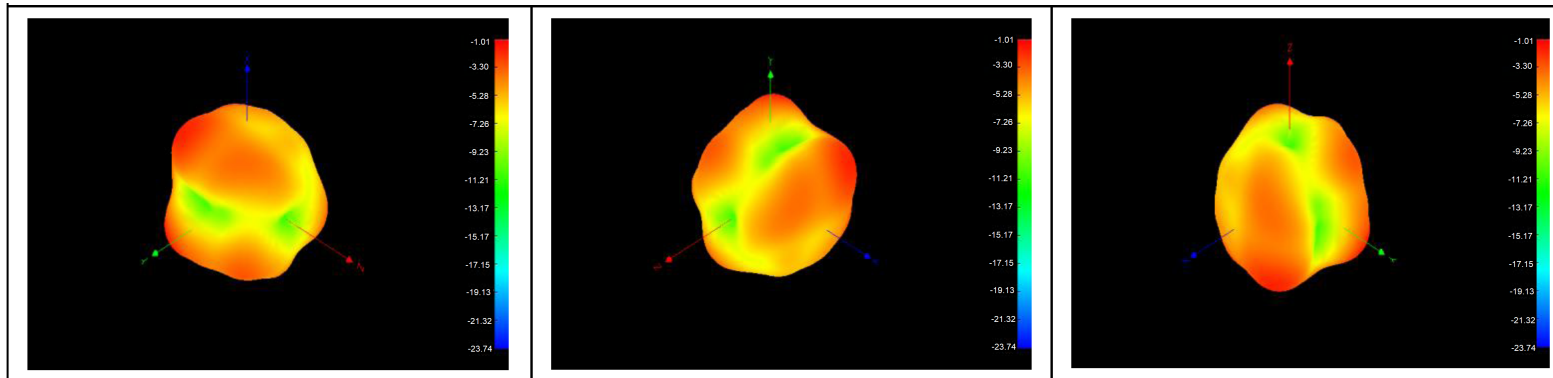
3、Antenna S parameter



Item	Value		
	2402(MHz)	2441(MHz)	2480(MHz)
Smith(Ω)	45.57	54.64	39.98
Return loss(dB)	-12.87	-24.78	-13.58
VSWR	1.58	1.12	1.53

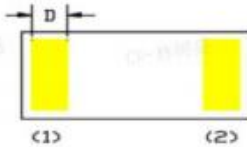
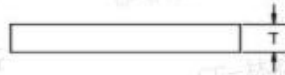
4、Passive data

2440MHz



Frequency (MHz)	Efficiency (%)	Mean gain (dbi)	Peak Gain (dBi)
2400	28.81	-5.41	-1.69
2410	30.92	-5.1	-1.42
2420	30.3	-5.19	-1.53
2430	31.5	-5.02	-1.34
2440	33.46	-4.76	-1.01
2450	32.14	-4.93	-1.14
2460	31.88	-4.97	-1.13
2470	31.08	-5.07	-1.17
2480	29.1	-5.36	-1.37

5、Antenna size



Dimension (mm)	
L	3.20±0.15
W	1.60±0.15
T	0.55±0.10
D	0.50±0.15

No.	Terminal Name
1	Feeding
2	Soldering