

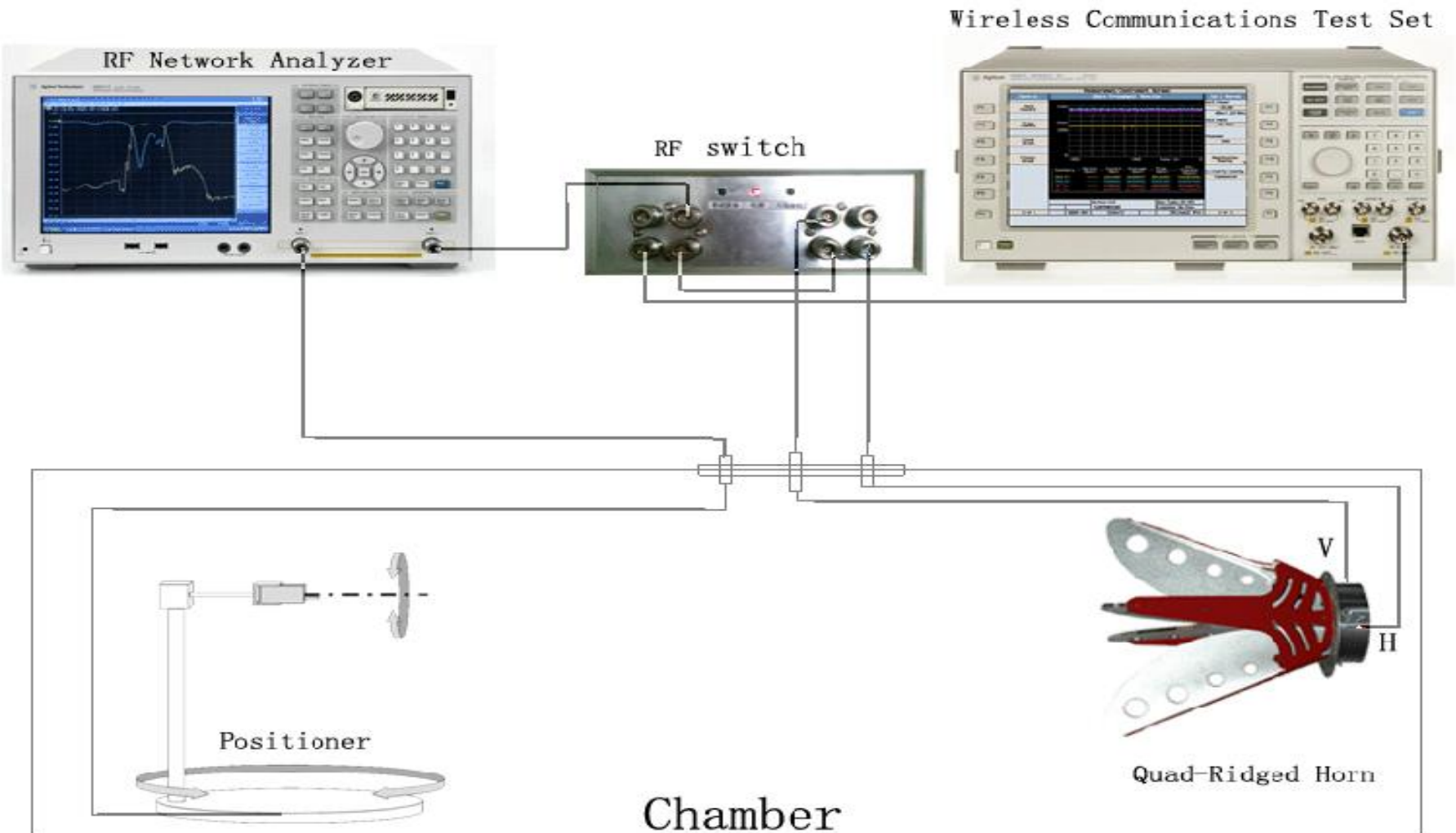
# Shenzhen ATN communication co.,Ltd

## Antenna test report

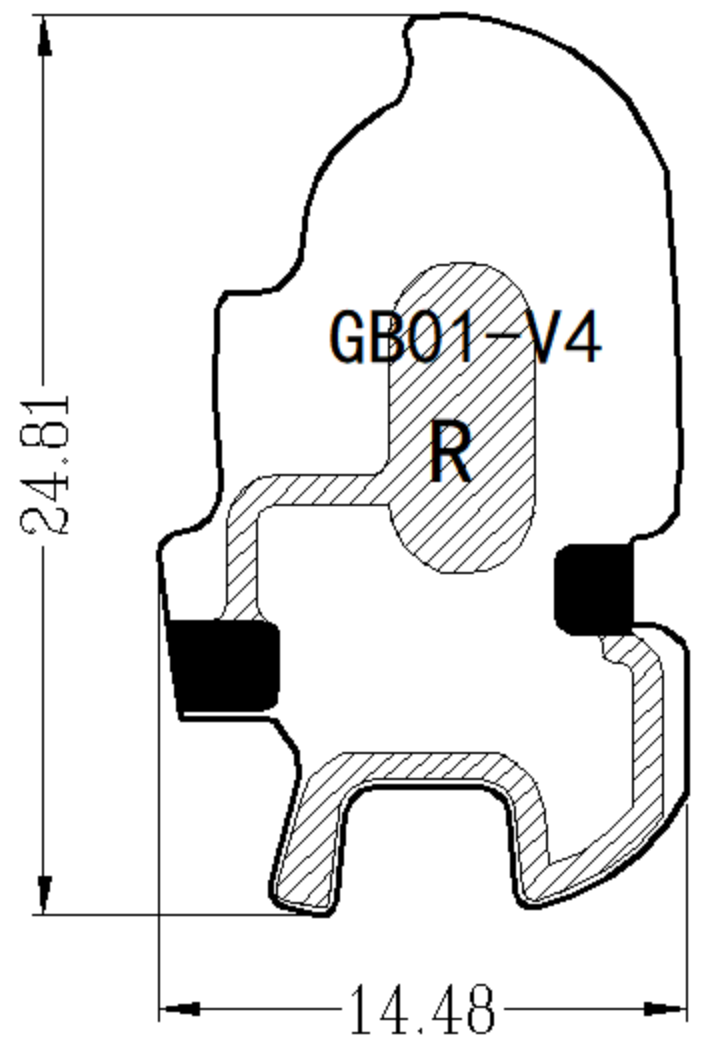
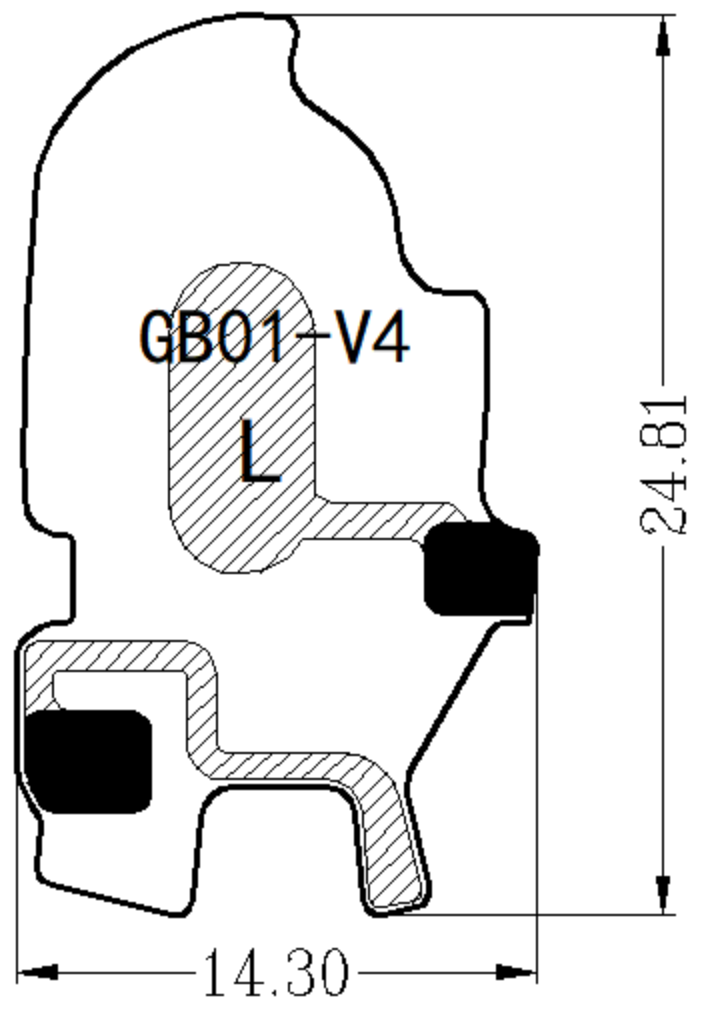
Customer:	GUOBO	Project name	JK-T002	date	Apr 10, 2024
band	2.4G-2.48GHz				
Report version	V1.0				
Antenna type	FPC, monopole				

Address:505, Building 2,Mei sheng chuang gu, No. 10 Longchang Road,  
Xin 'an Street, Bao 'an District, Shenzhen, Guangdong, China

# Test system



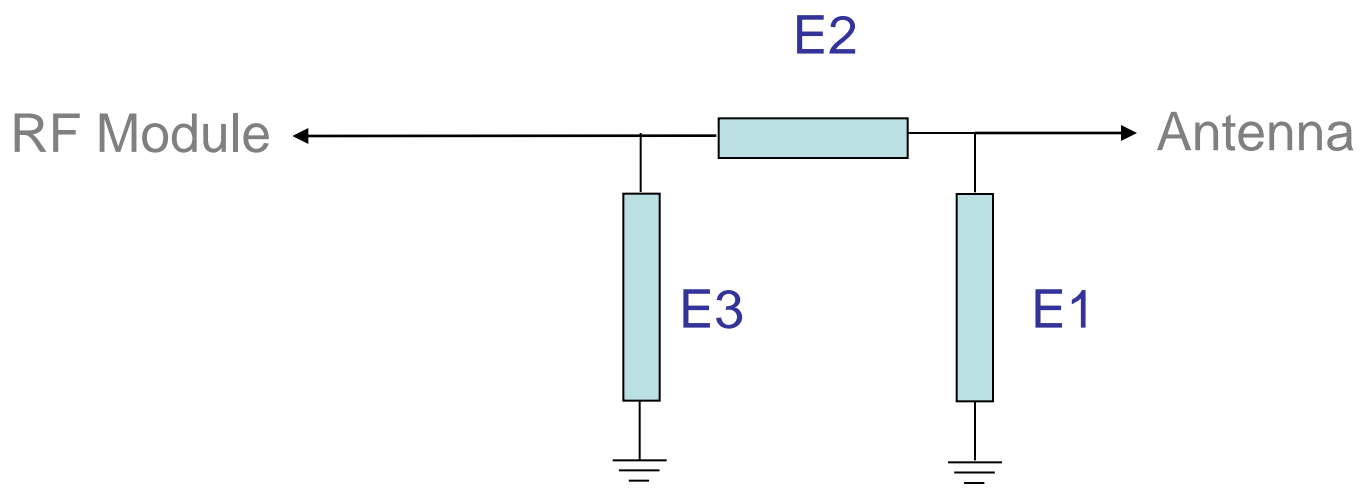
Antenna size(unit:mm)



# Catalog

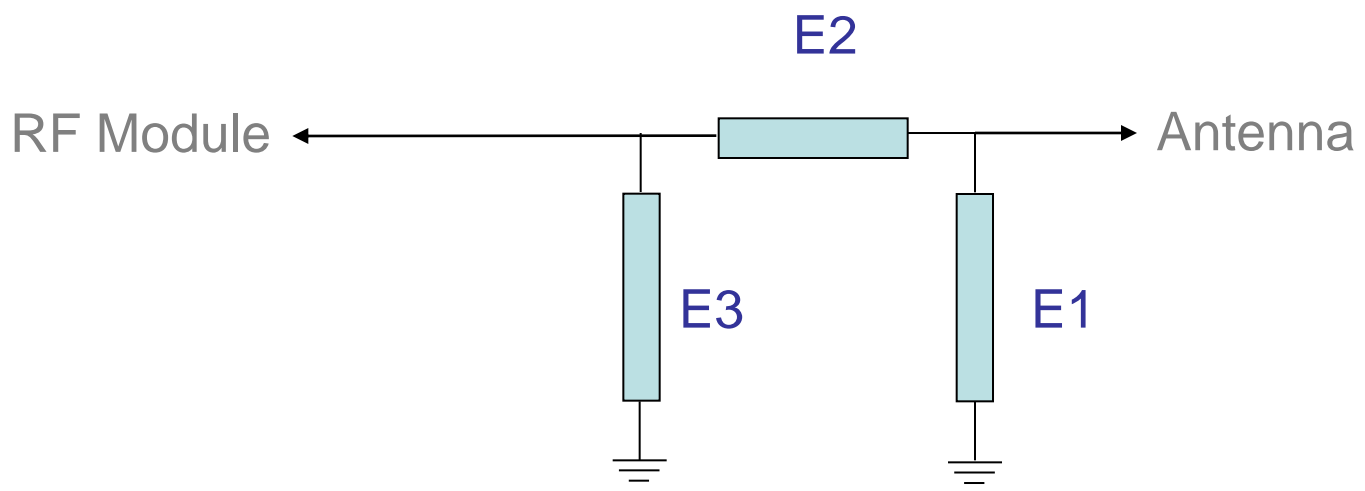
1. Match circuit
2. Passive test data

# 1.1 match circuit(L)



Element	Value
E1(0201)	NC
E2(0201)	2.7nH(LQP03TN2N7B02)
E3(0201)	2.2pF(GRM0335C1H2R2BA01D)

# 1.2 match circuit (R)



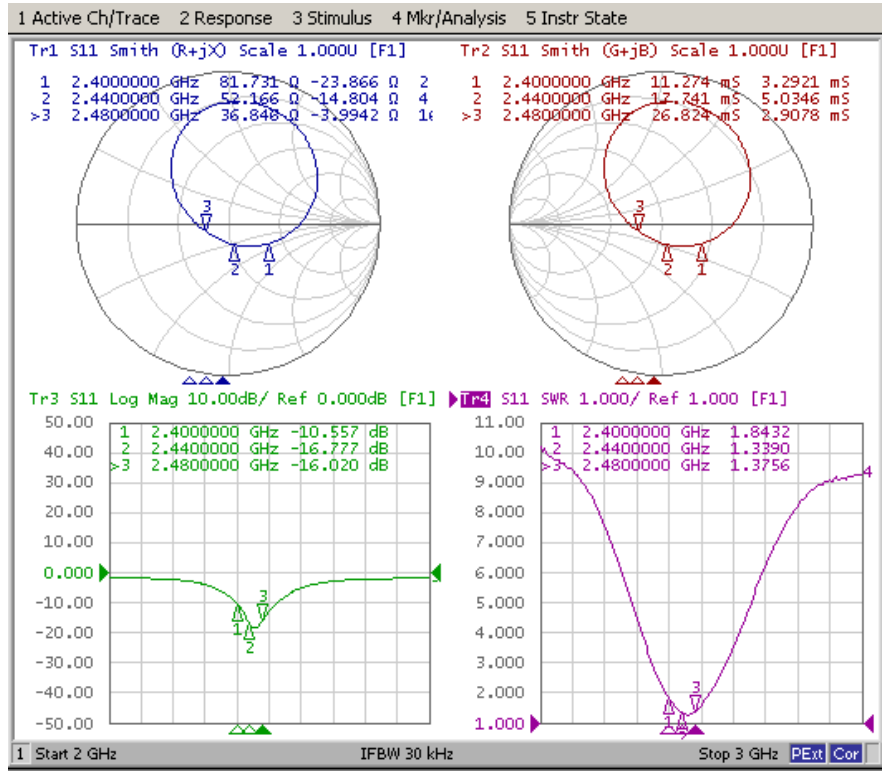
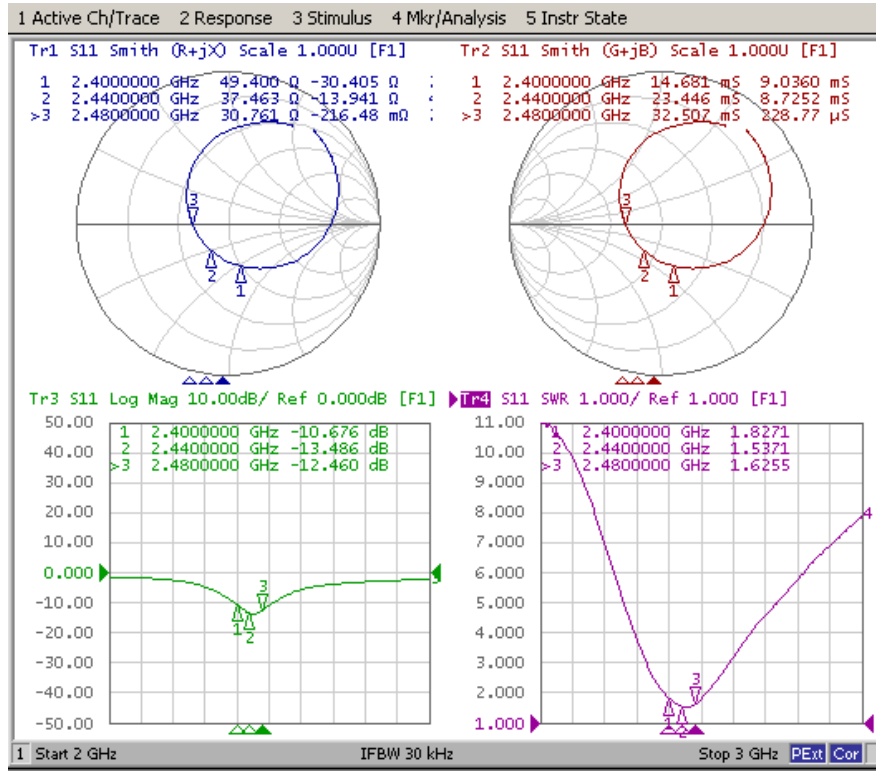
Element	Value
E1(0201)	NC
E2(0201)	2.0nH(LQP03TN2N0B02)
E3(0201)	2.2pF(GRM0335C1H2R2BA01D)

# 2. Passive data

## 2.1 S11 Parameter

L

R



## 2.2 Gain & Efficiency

L

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	25.9	-5.87	-1.52
2410	27.63	-5.59	-0.98
2420	26.99	-5.69	-1.03
2430	27.77	-5.56	-1.06
2440	28.09	-5.51	-1.04
2450	28.99	-5.38	-0.95
2460	27.95	-5.54	-1.05
2470	28.96	-5.38	-1.01
2480	27.18	-5.66	-1.3

R

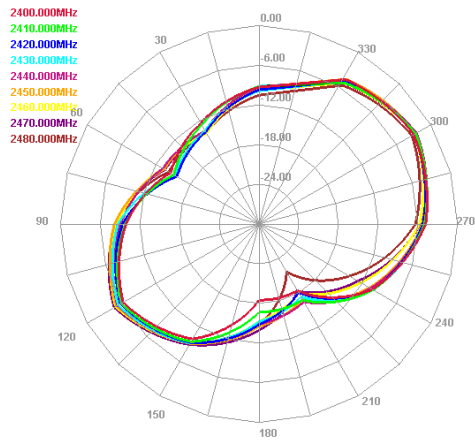
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	23.97	-6.2	-2.82
2410	25.13	-6	-2.64
2420	24.67	-6.08	-2.53
2430	25.71	-5.9	-2.27
2440	25.86	-5.87	-2.23
2450	27.95	-5.54	-1.92
2460	27.68	-5.58	-2.04
2470	28.64	-5.43	-1.99
2480	27.2	-5.65	-2.38



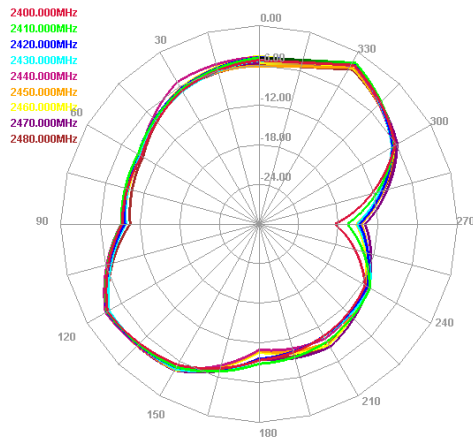
## 2.3 Radiation pattern

L

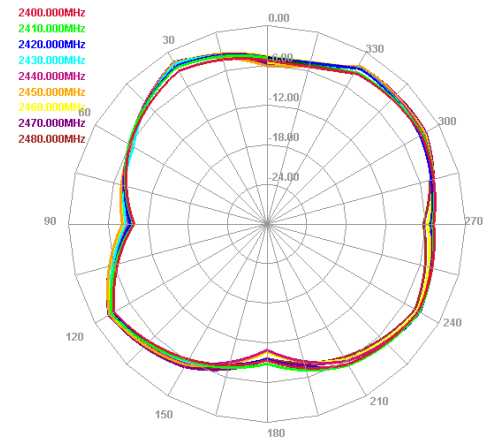
Horizontal



E1 Face

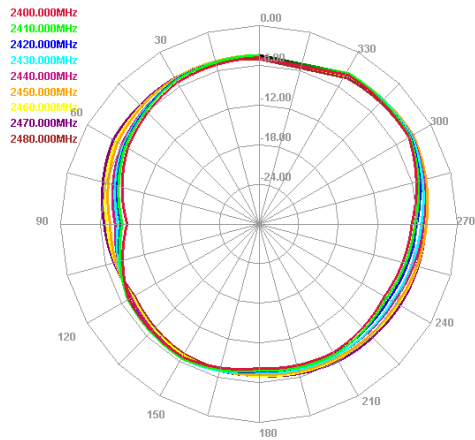


E2 Face

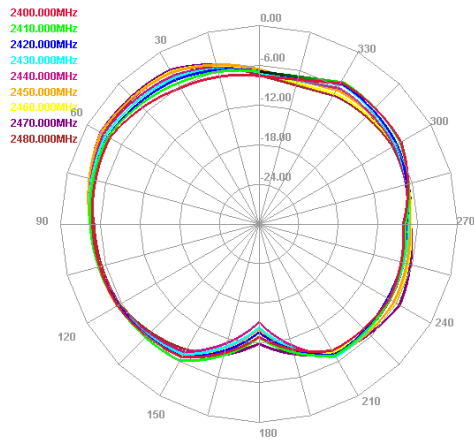


R

Horizontal



E1 Face



E2 Face

