

ANTENNA DATA SHEET (FPC antenna)

Model: ATN56026

SPECIFICATIONS: 2.4G-2.48GHz

Peak Gain: -1.61dBi

DATE: 2025.9.1

Manufacturer: SHENZHEN ATN COMMUNICATION TECHNOLOGY CO.,LTD.

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艾特诺通讯

SHENZHEN ATN COMMUNICATION TECHNOLOGY CO., LTD.

1、Test Equipment&Conditions

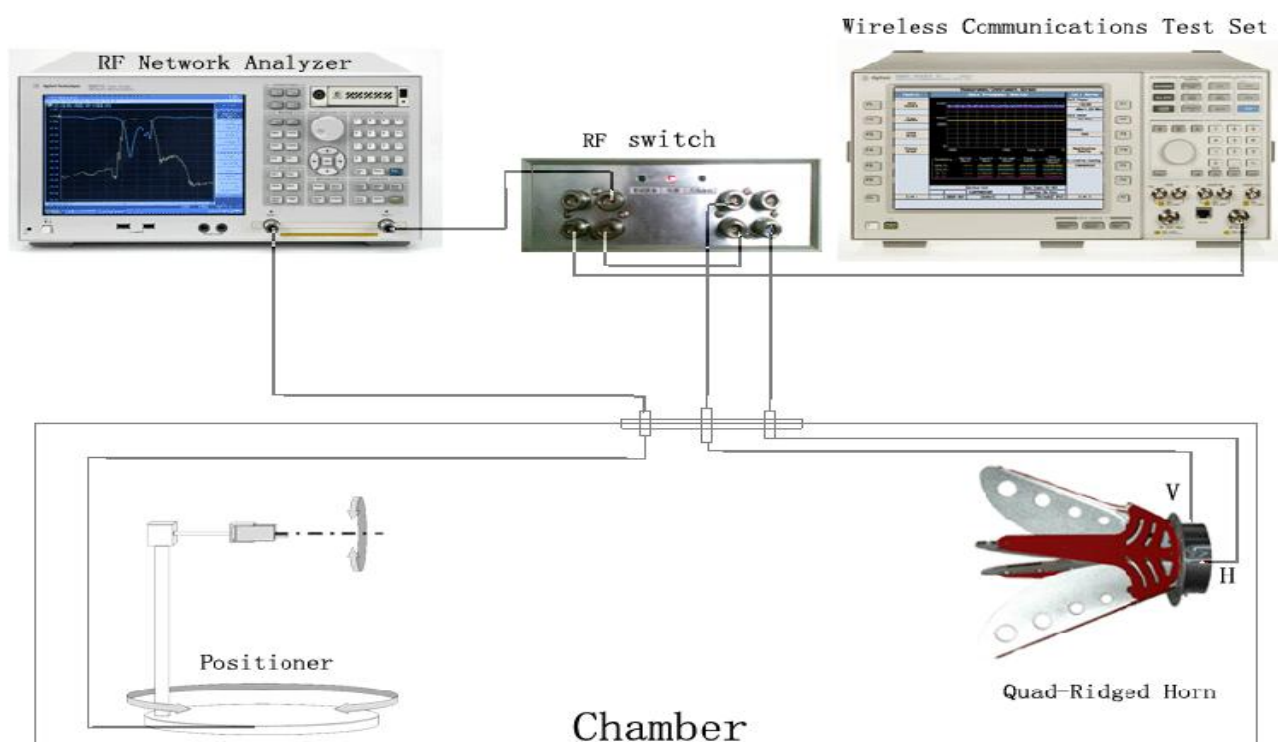
1.1 Network Analyzers

Agilent Technologies E5071B

1.2 Communications Test Set

CMW500

1.3 Test System



2、Product Specification

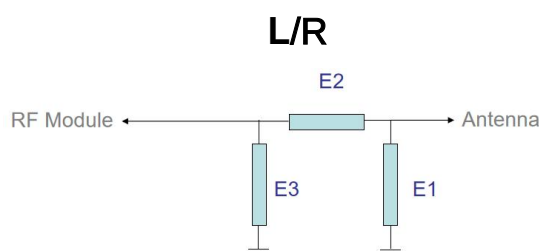
2.1、Material&Mechanical Characteristics

Material	FPC
Antenna type	PIFA antenna

2.2、Storage conditions

Storage Temperature	22℃±5℃
relative humidity	35-65%
Storage life	360 days

3、Matching circuit

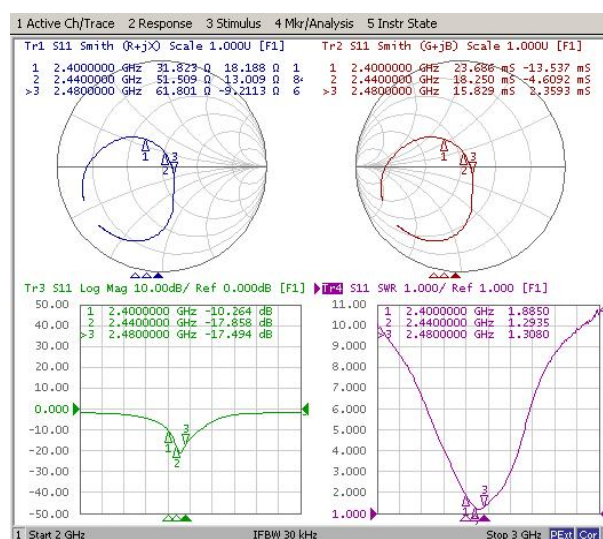


Element	Value
E1(0201)	NC
E2(0201)	0R
E3(0201)	0.8pF

4、Test Data Report

4.1 S11 Parameter

L/R

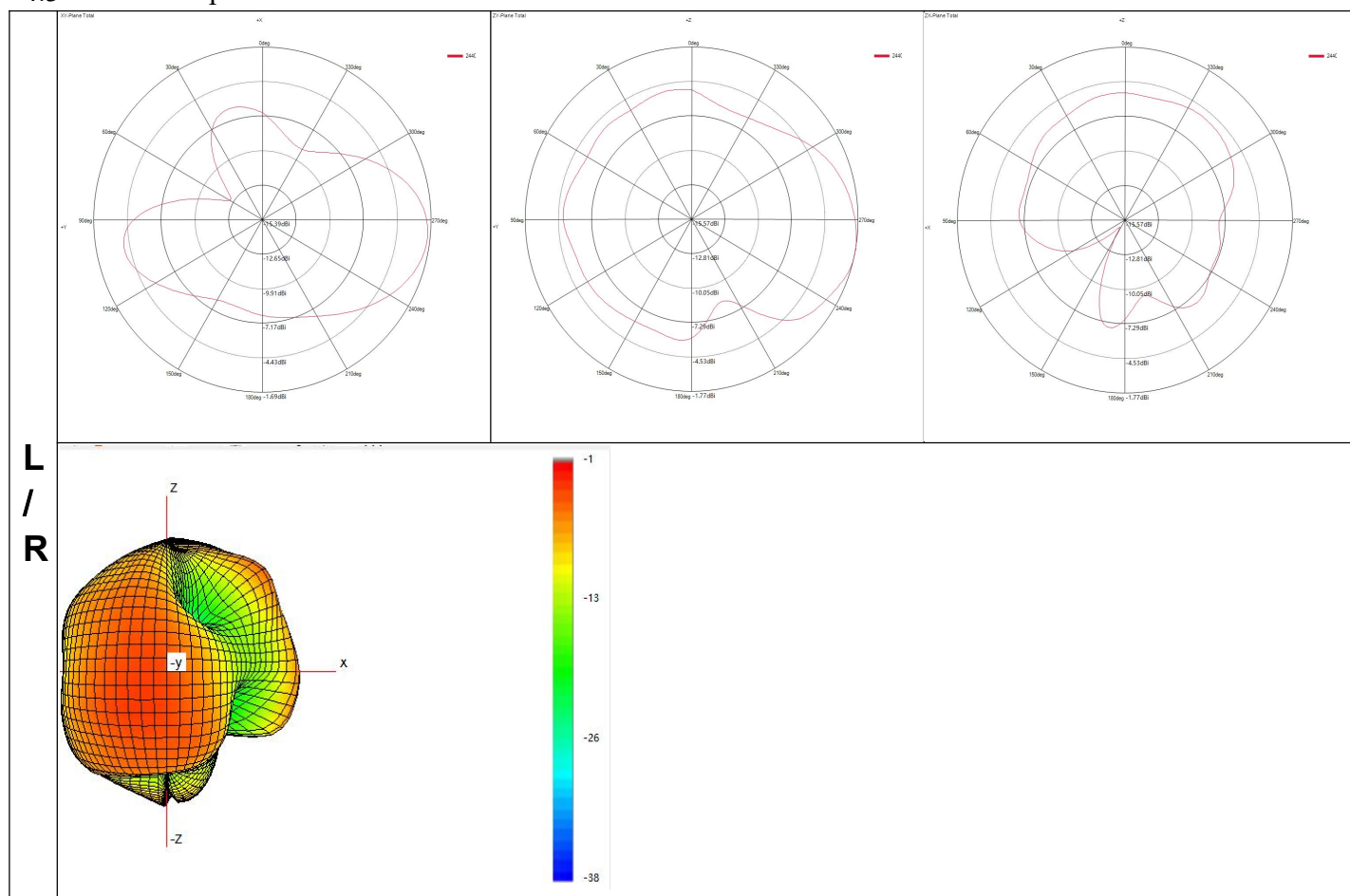


4.2 Gain & Efficiency

L/R

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-1.60	-6.09	24.63
2410	-1.61	-6.07	24.73
2420	-1.72	-6.12	24.43
2430	-1.75	-6.14	24.35
2440	-1.82	-6.15	24.27
2450	-1.92	-6.18	24.11
2460	-2.16	-6.31	23.39
2470	-2.42	-6.45	22.63
2480	-2.62	-6.57	22.05

4.3 Radiation pattern



5、 Product Drawing

