

# WIFI / WIMAX Antenna

MODEL: TH-240P



## 1. GENERAL DESCRIPTION

Model No
TH240P-N(M)

Below is a table summarizing the antenna design specification.

### 1.1 Electrical Properties

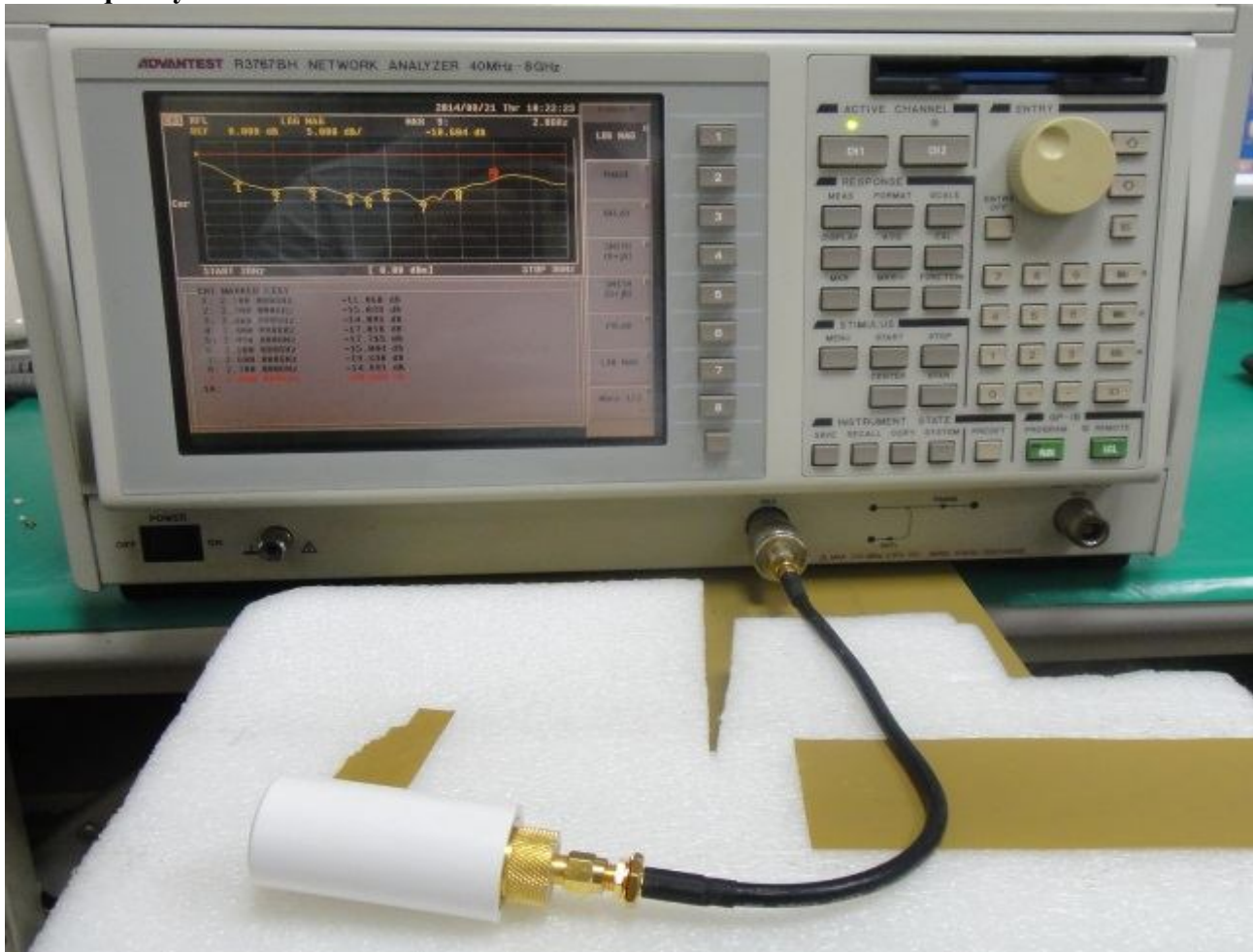
Parameter	Description
Frequency Band	2.3~2.7 GHz
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Note: Gain includes the cable loss	

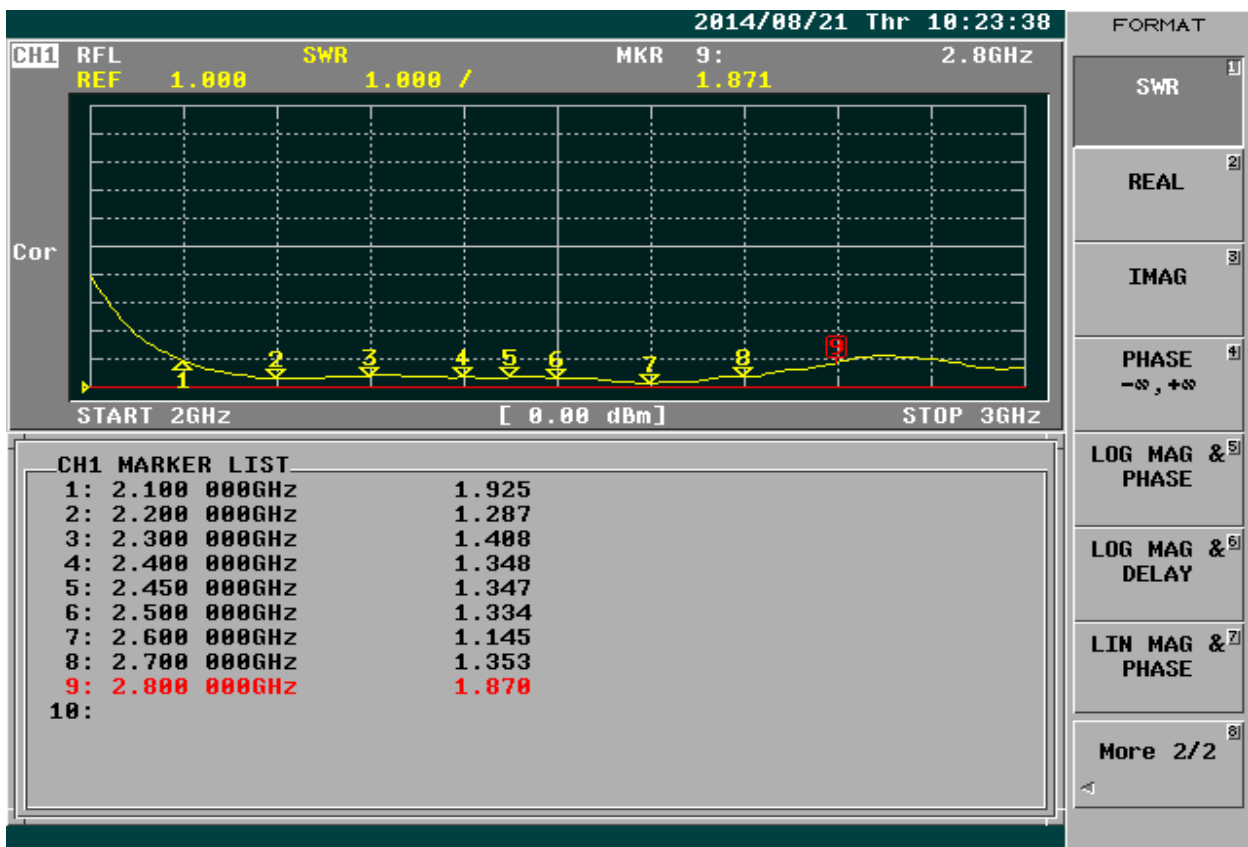
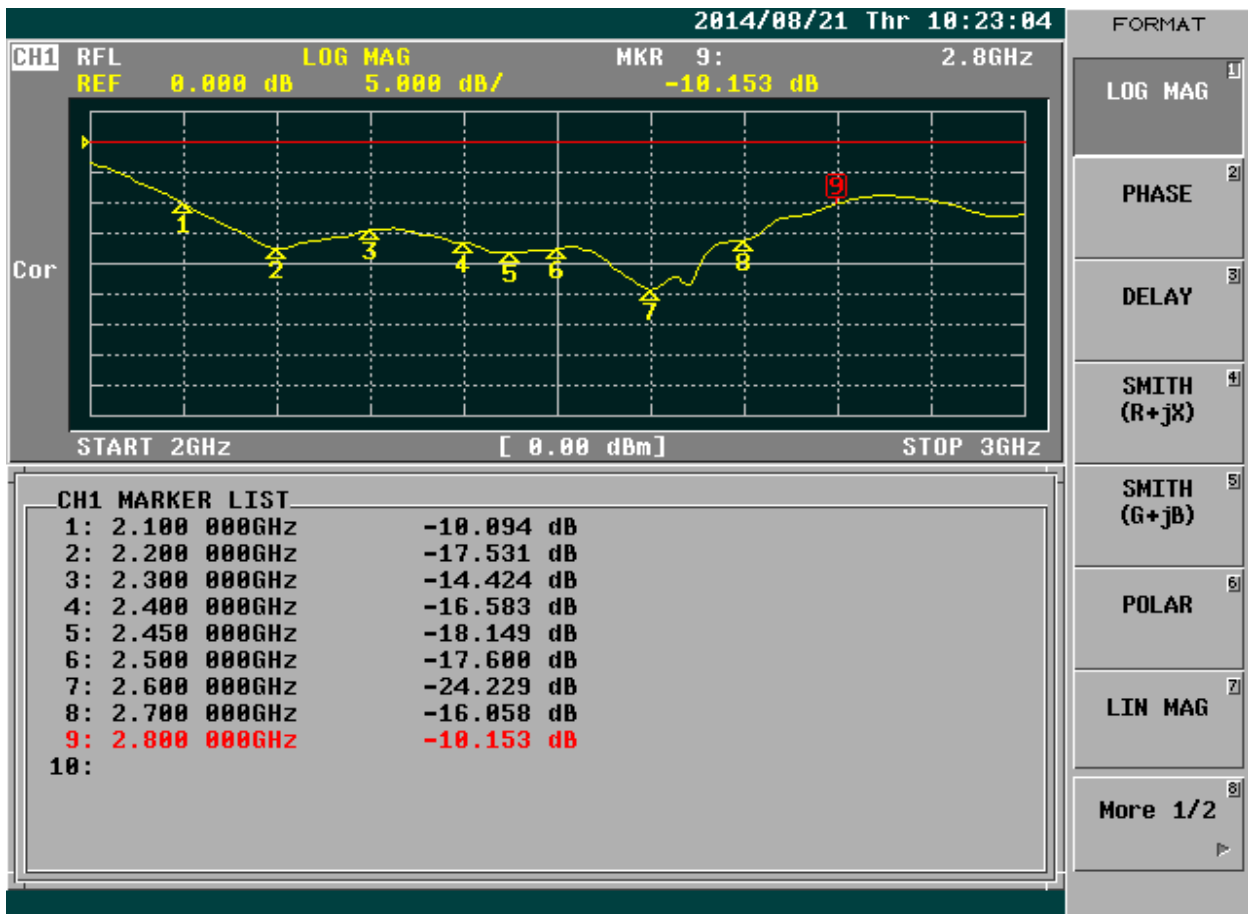
### 1.2 Mechanical Properties

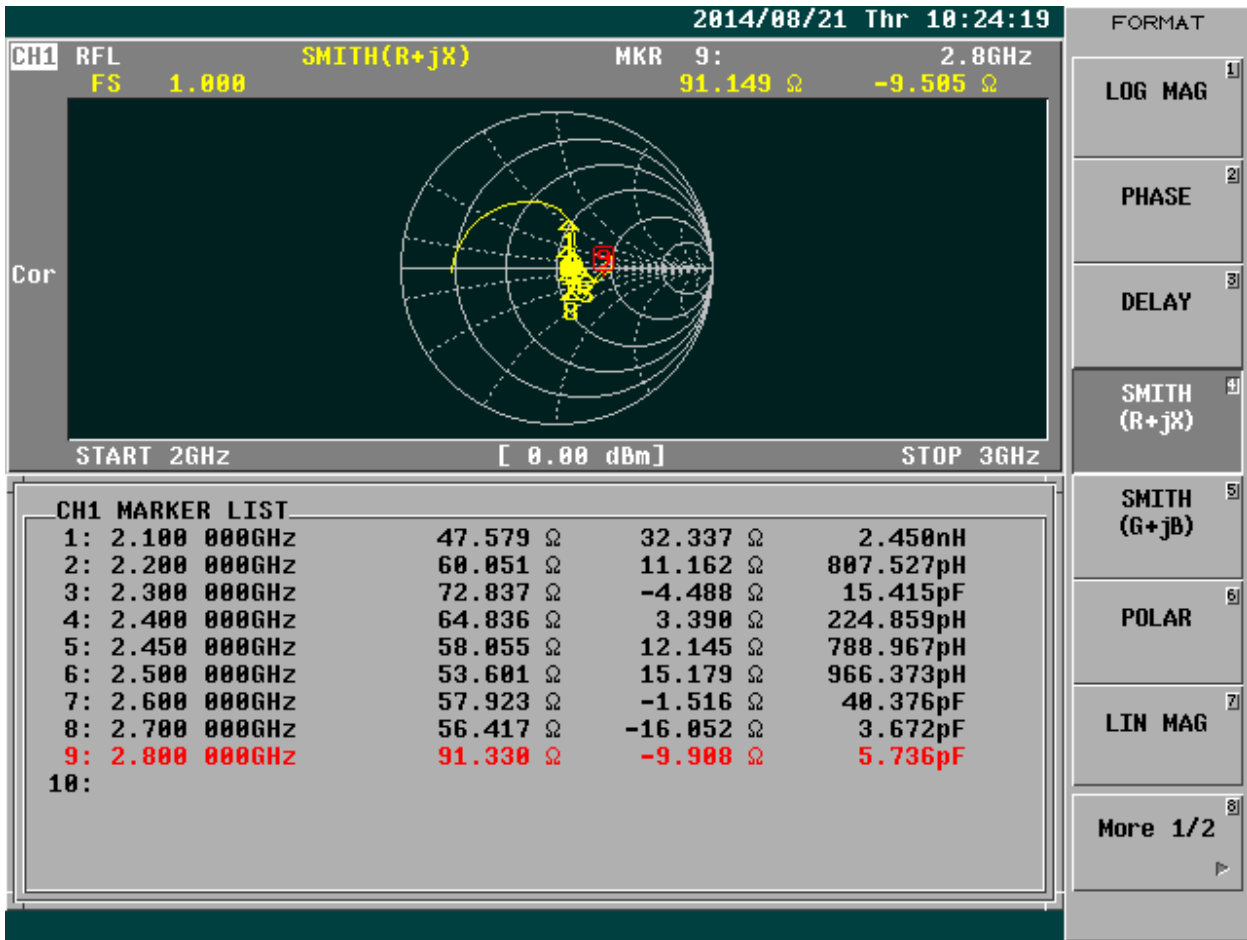
Parameter	Description
Antenna Type	External Antenna
Antenna Material	ABS
Touch Type	Screw Type
Connector Type	N 180°(Male)

Antenna Dimensions	$\Phi 25.6 \times 55\text{mm} \pm 2$
Antenna Color	Black
Operating Temperature Range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Storage Temperature Range	$-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$

## 2. Frequency







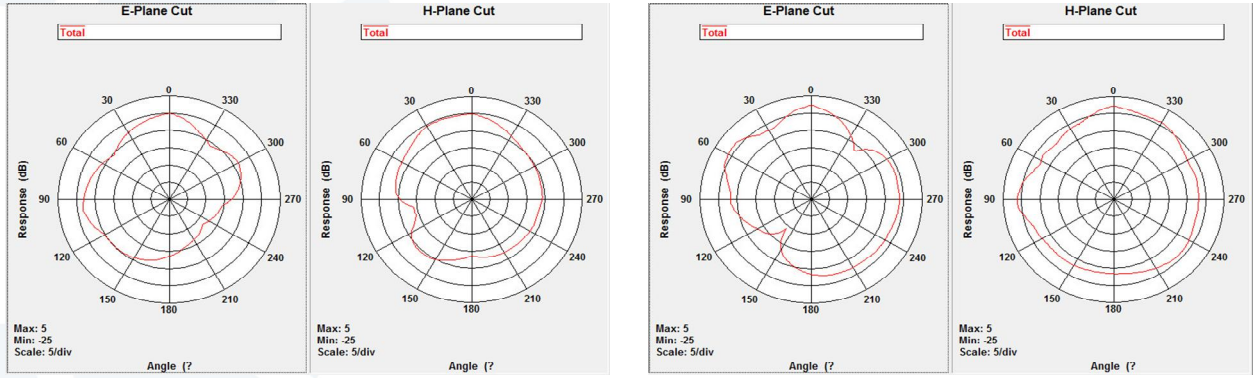
## Test Data(TH240P)



### 1. Test result:

Frequency (MHz)	1710	1990	2170	2300	2400	2500	2700
Average Gain (dBi)	-6.90	-5.01	-3.49	-2.29	-2.13	-1.91	-1.41
Peak Gain (dBi)	-1.93	-0.31	0.82	2.42	2.44	2.10	2.57
Efficiency (%)	20.44	31.58	44.77	59.02	61.27	64.37	72.21

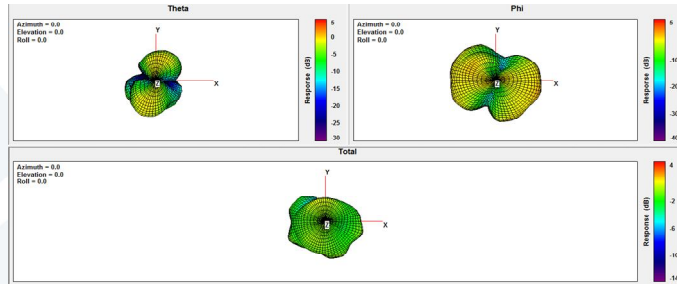
## 2D Radiation Patterns(TH240P)



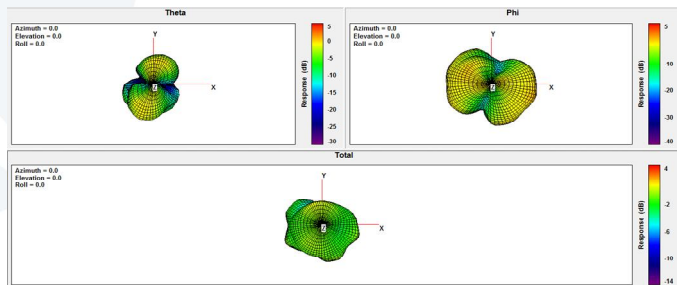
1990MHz

2500MHz

## 3D Radiation Patterns(TH240P)



1990MHz



2500MHz