

# Antenna Specification

Applicant: Shantou Chenghai District Zhongyeda Toy Factory  
Address: Floor 4, Mingji Complex Building, the junction of Fengxin Second Road and Xiushui Road, Chenghai District, Shantou City, Guangdong Province, China

Picture:



Note: The 2.4G transparent antenna specification is 9-core 1.3mm outer diameter tinned copper wire, transparent color, length of 40mm, wire end stripped 3MM and tinned. Compliant with environmental standards: EU EN71 (19E), ROHS, PAHS, 6P~16P, European and American CPSIA, HR4040.

## Product Specification

### A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <3.0**

**Efficiency >30%**

**Impedance 50 Ohm**

**Polarization Line**

**Gain 0.17dBi**

### B. Material & Mechanical Characteristics

**Material of Radiator Cu**

**Cable Type 1.0 19P**

**Connector Type : NO**

**Dimension**

### C. Environmental

**Operation Temperature - 30 °C ~ + 80 °C**

**Storage Temperature - 30 °C ~ + 85 °C**

## Test Equipment & Conditions

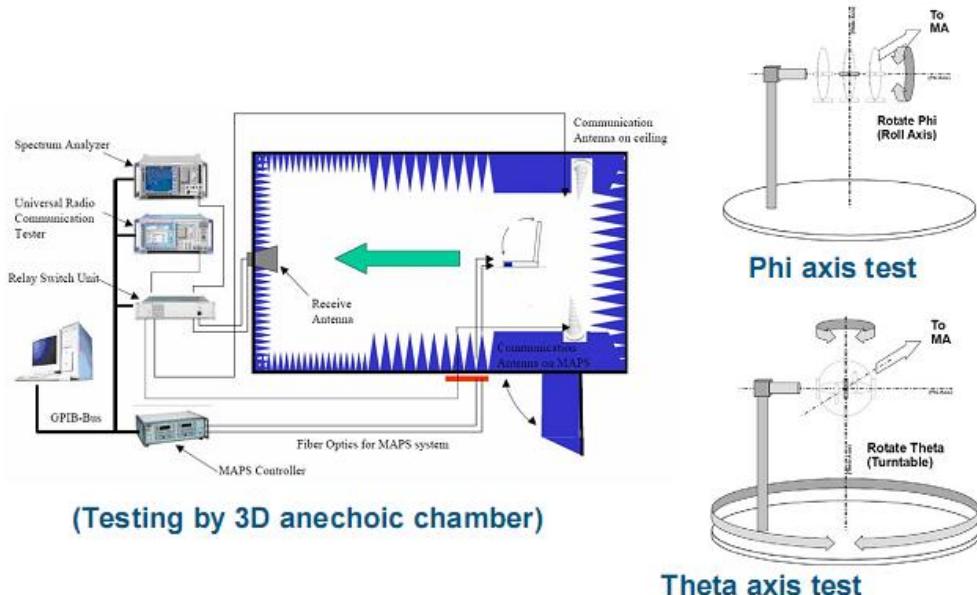
### 1. Network Analyzers :

Agilent 8753D 5071B

### 2. Communications Test Set:

Agilent E5515C

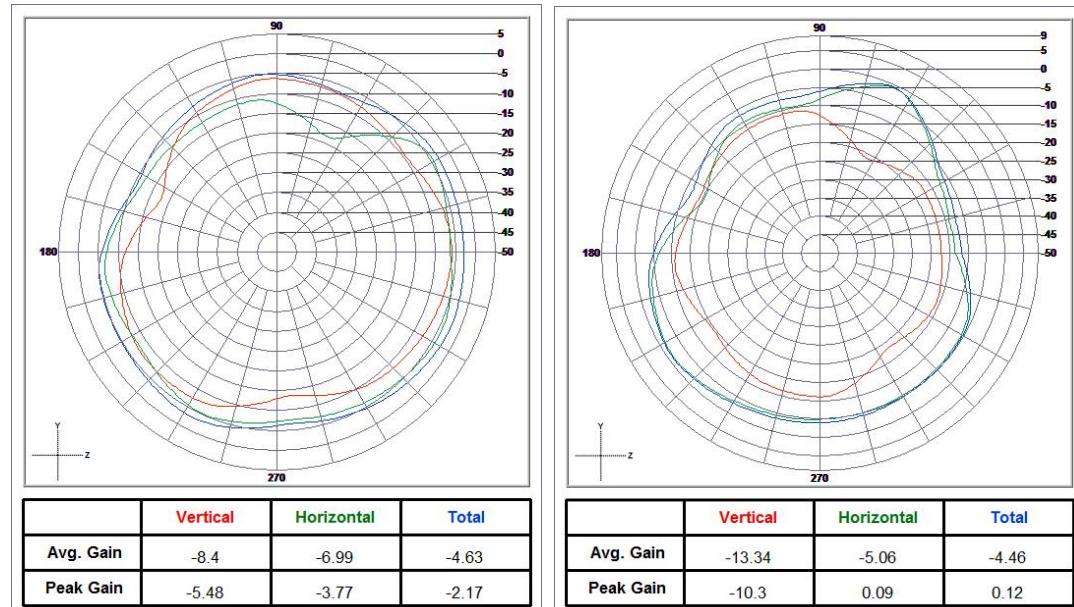
### 3. 3D Chamber Test System Efficiency & Gain

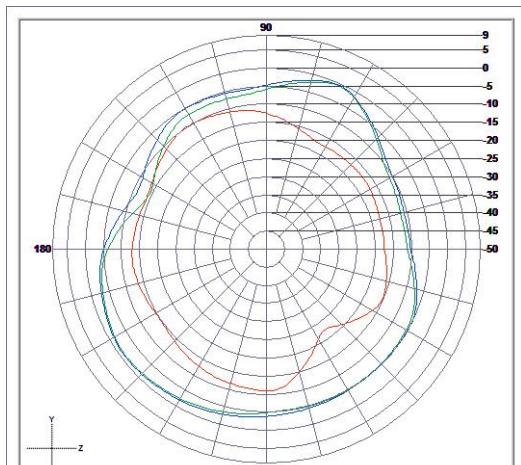


### Efficiency & Gain

2.40	-2.17
2.440	0.12
2.48	0.17

### Radiation Pattern:





	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17

