

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

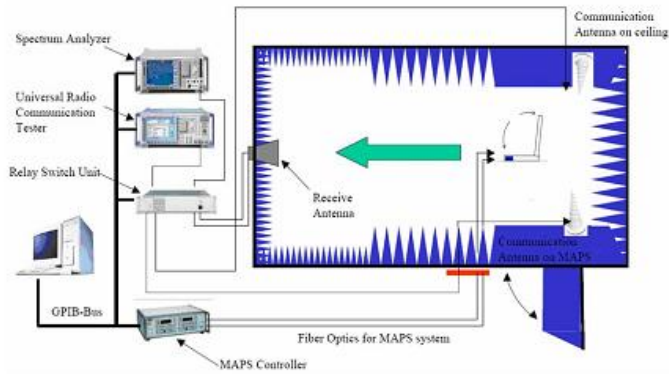
1. Network Analyzers :

Agilent 8753D 5071B

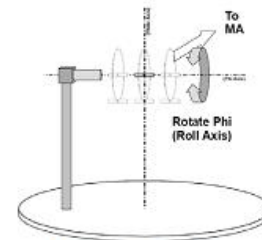
2. Communications Test Set:

Agilent E5515C

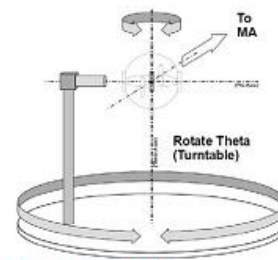
3. 3D Chamber Test System Efficiency & Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

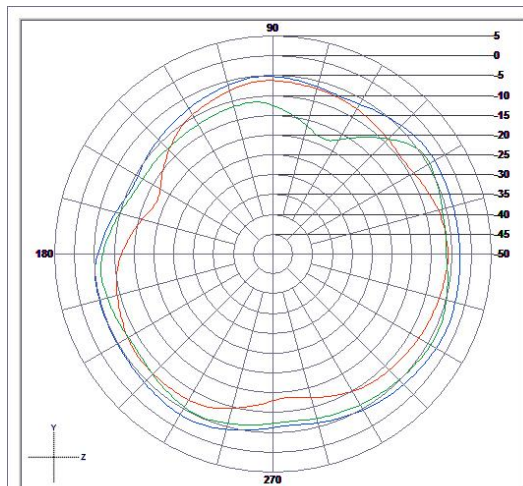
Efficiency & Gain

2.40 -2.17

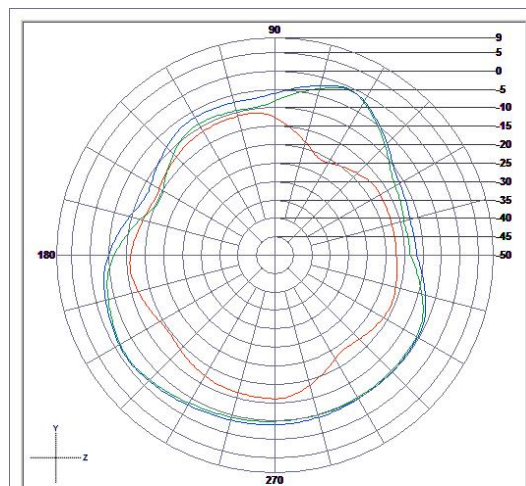
2.440 0.12

2.48 0.17

Radiation Pattern:



	Vertical	Horizontal	Total
Avg. Gain	-8.4	-6.99	-4.63
Peak Gain	-5.48	-3.77	-2.17



	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12

