Electronic connection line

SPECIFICATION

model: 2.4G Transparent antenna

custom: _____

organization: wang ming de date: 23.9.25

examine: wang ming de date: 23.9.25

ratify: wang ming de date: 23.9.25

Internal materials of wires

Main materials	Scope of use	notes
Transparent PVC adhesive	External use of wires	environmental protection
copper wire	Wire conductor copper diameter 0.1	environmental protection
Environmentally friendly tin	Tin on wire stripping	environmental protection

1 Product performance

Specifications and dimensions

Product Name	scope of application	Line length	wire color	appearance
2.4G Transparent antenna	Wire on circuit board	40MM	transparent	No damage or scratches on the surface Defects such as scratches and oil stains

Wire performance

Serial Number	project	standard
1	pressurization	60V
2	Current withstand	1500MA

3	contact resistance	30mΩ MAX
4	insulation resistance	1000mΩ MIX
5	pulling	0.9 N
6	Temperature	80 ° C

Reliability testing

Serial Number	project	standard	test method
1	free of 16P、 ROHS	16 Ingredients less than 0.1%	Third party authoritative testing agency

Shelf life

6 months after leaving the factory

1 使用注意事项

Attention: The temperature should not exceed 80 ℃ for use, and the current should not exceed 1.5A for use.

Illustration

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

HR4040.

Appendix

Product Specification

A. Electrical Characteristics
Frequency 2400MHz ~2500MHz
VSWR <3.0
Efficiency >30%
Impedance 50 Ohm
Polarization Line
Gain 0DBi
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 :

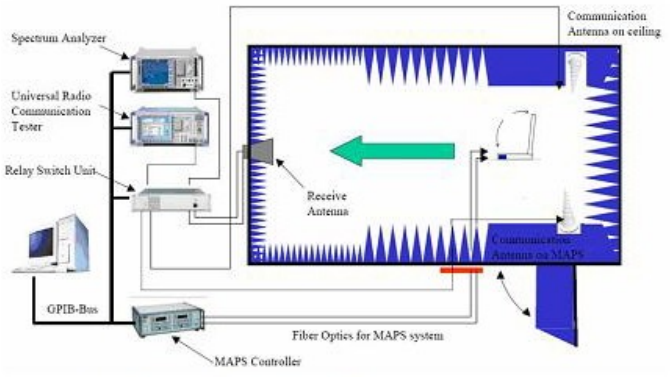
Agilent 8753D 5071B

2. Communications Test Set:

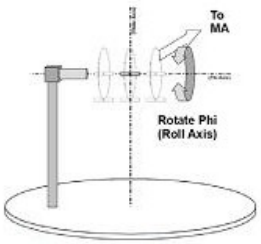
Agilent E5515C

3. 3D Chamber Test System

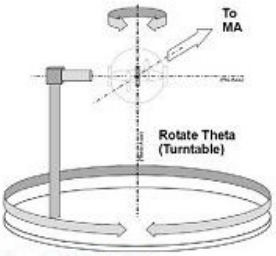
Effiency &Gain



(Testing by 3D anechoic chamber)



Phi axis test

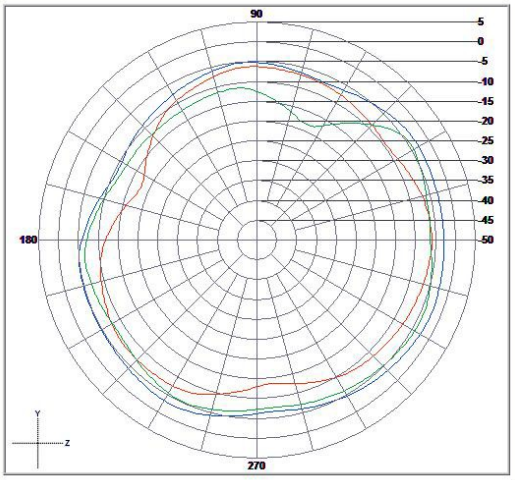


Theta axis test

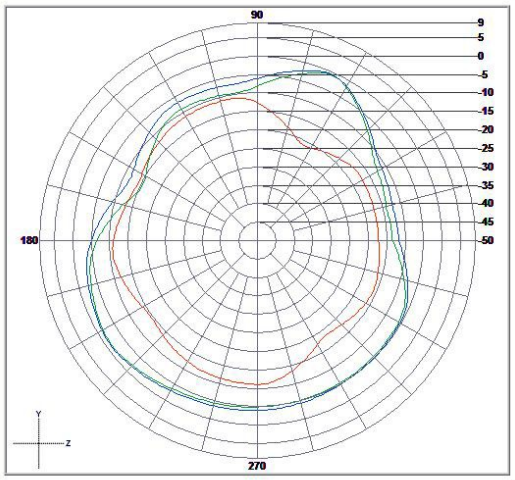
Effiency &Gain

2.40 -0.00
2.440 -0.11
2.48 -0.13

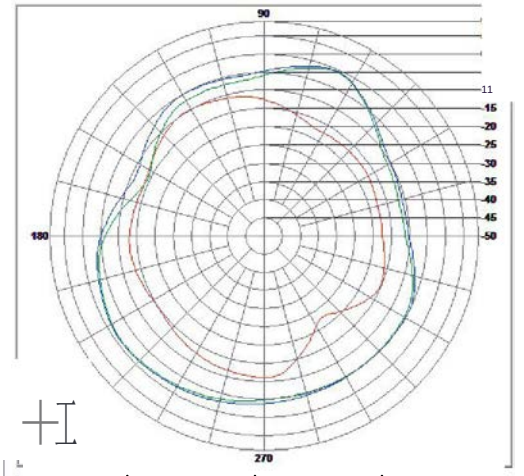
Radiation Pattern:



	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



	Vert ical	Horizontal	Total
Avg. Gain	-13 42	-46	-406
Peak Gain	-9 47	0 1	0 17