

Electronic connection wire
specificatio

Model: 2.4G antenna (white)_

client:_____

Date: 2023/08/03_____

1 Internal material of the wire

main material	range of application	remarks
Transparent PVC compound	The wire is used outside	environmental protection
copper wire	Copper conductor wire diameter 0. 1	environmental protection
Environmental tin	Peel and tin the wire	environmental protection

2 Product performance

Specifications and dimensions

name of a part	scope of application	wire length	Wire color	surface
2.4G antenna (white)	Wires on a circuit board	35 MM	white	No defects such as damage, scratches and oil stains on the surface

3 Wire performance

order number	project	standard
1	withstand voltage	60V
2	Tough current	1500 MA
3	contact resistance	30mΩ MAX
4	insulation resistance	1000mΩ MIX
5	pulling	0.9 kg
6	temperature resistance	80 degrees

4. Reliability testing

order number	project	standard	test method
1	Does not contain 16P and ROHS	Sixteen ingredients are less than 0.1%	Third party authoritative testing agency

5. Shelf life

6 months after leaving the factory

6. Precautions for use

Note: The temperature should not exceed 80℃ and the current should not be higher than 1.5A.

Figure 7



Note: The 2.4G antenna specification is 17-core bare copper wire with an outer diameter of 1.6 MM, white, 35 MM long, and 3 MM of the wire head is stripped and soldered. It complies with environmental standards: EU EN 71 (19E), ROHS, PAHS, 6P~16P, CPSIA, HR 4040 in Europe and America.

Appendix 8

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 White

Connector Type: NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80°C

Storage Temperature - 30 °C ~ + 85°C

Test Equipment & Conditions

1. Network Analyzers:

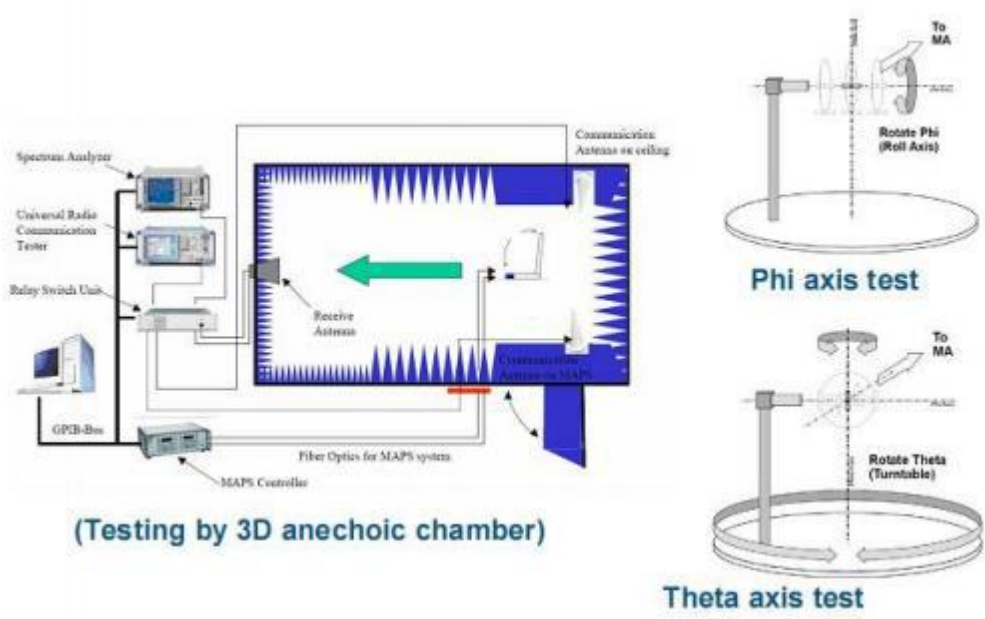
Agilent 8753D 5071B

2. Communications Test Set:

Agilent E5515C

3. 3D Chamber Test System

Effiency & Gain



Effiency & Gain

2.40	-2.17
2.440	0.12
2.50	0.17

Radiation Pattern:

