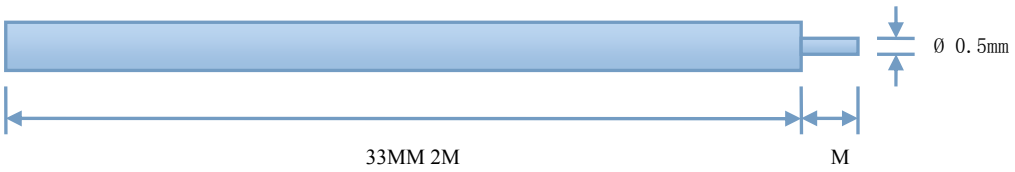
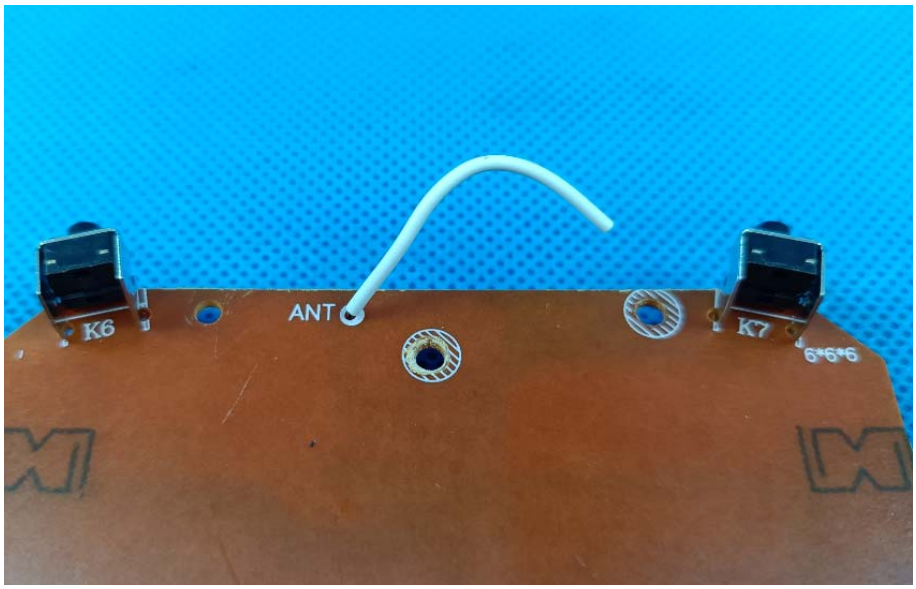
东振电子有限公司

天线规格承认书
Antenna Specification for Approval





Antenna Type（天线类型）： Wire antenna；
Antenna Gain（天线增益）：0.17dbi；
Operation Frequency Range（工作频率范围）：2400MHz to 2500MHz;
Product Name：2.4G 天线 全长35白色

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz
VSWR <1.0
Efficiency >20%
Impedance 50 Ohm
Polarization Line
Gain 0.17DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu
Cable Type 1.4 白色
Connector Type : NO
Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C
Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

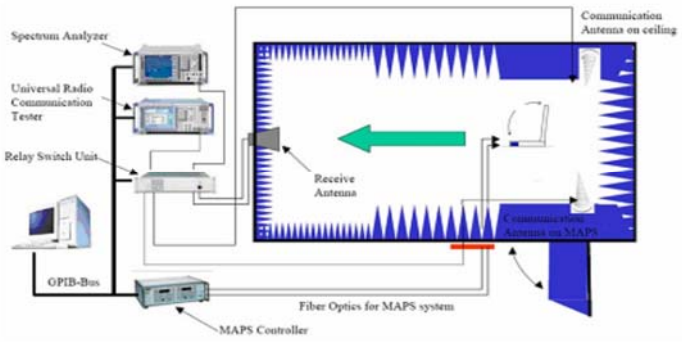
1. Network Analyzers :

Agilent 8753D 5071B

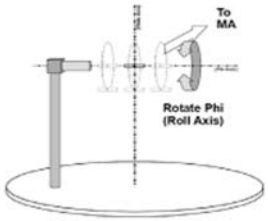
2. Communications Test Set:

Agilent E5515C

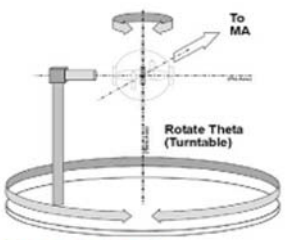
3. 3D Chamber Test System



(Testing by 3D anechoic chamber)



Phi axis test

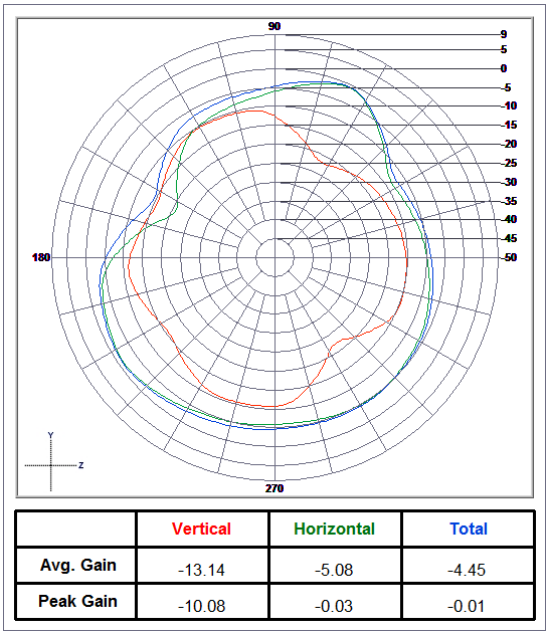


Theta axis test

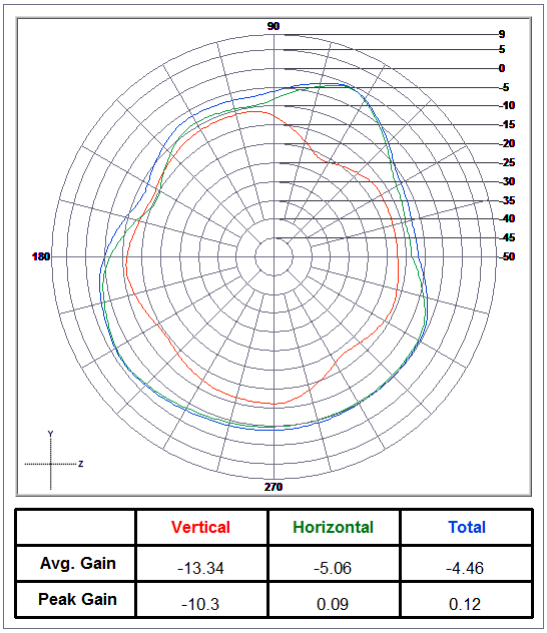
Effiency &Gain

2.40	**-0.01**
2.440	**0.12**
2.48	**0.17**

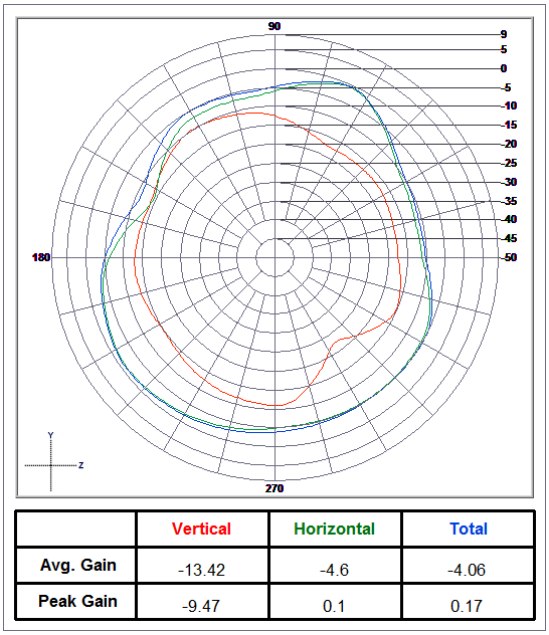
Radiation Pattern:



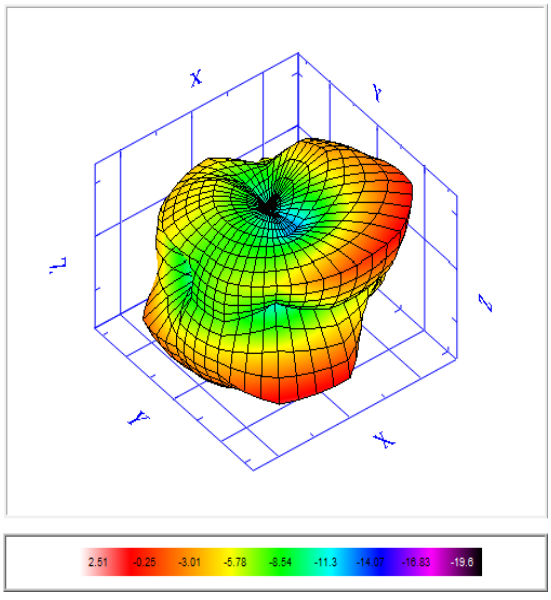
	Vertical	Horizontal	Total
Avg. Gain	-13.14	-5.08	-4.45
Peak Gain	-10.08	-0.03	-0.01

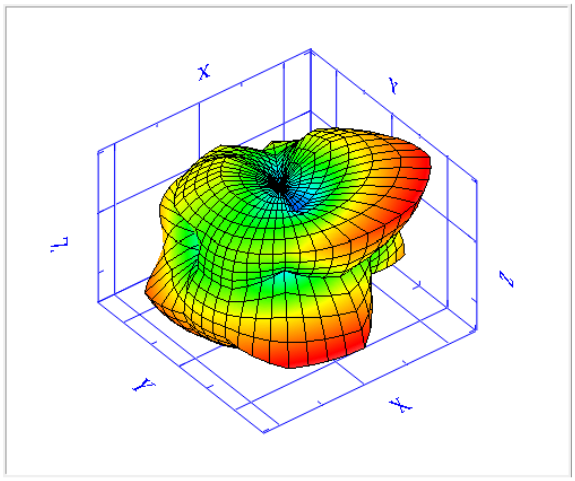


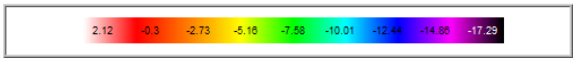
	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12

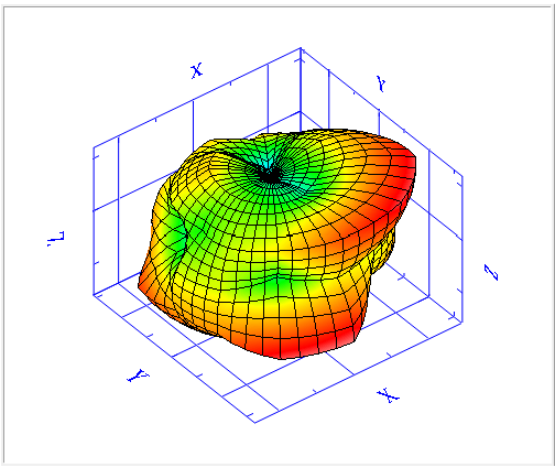


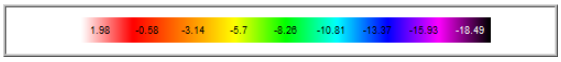
	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17




X
Y
Z
Y
X


2.12
-0.3
-2.73
-5.16
-7.58
-10.01
-12.44
-14.86
-17.29


X
Y
Z
Y
X


1.98
-0.58
-3.14
-5.7
-8.26
-10.81
-13.37
-15.93
-18.49