

Shenzhen first line cable Co., LTD

Add : 21 Building, Wan feng 98 Industrial City, Shajing Street, Baoan District, Shenzhen

Antenna Specification for Approval

CustomerName: _Shenzhen Mo Young technology co., LTD

ProductName: 2.4Gantennalength57.85mm

ProductName: monopole

Part NO.: C10-35-2.5

WriteBy: ZhuangJiebin

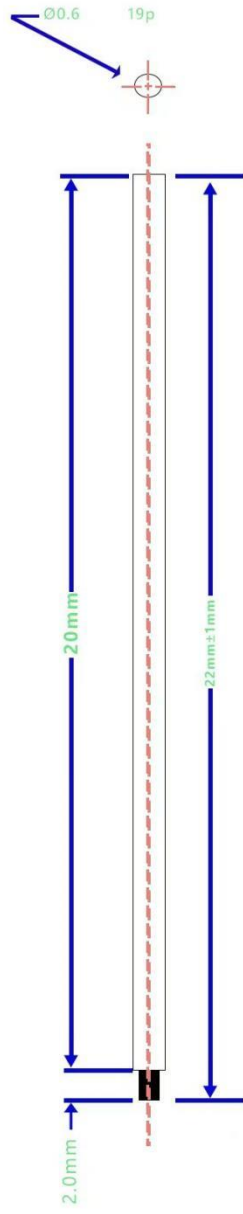
IssuedDate: 2023-10-08

client:

<i>R& D Dept</i>	<i>Business Dept</i>	<i>Approved By</i>

ISDN

<i>R& D Dept</i>	<i>Engineer Dept</i>	<i>Approval</i>
ZhuangCaihong	ZhuangJiebin	ZhuangJiebin



Product Specification

A. Electrical Characteristics

Frequency 2400MHz

~2500MHz VSWR<3.0

Efficiency >30%

Impedance 50

Ohm Polarization

Line Gain

0.17 DBi

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 5071C

2. Communications Test Set:

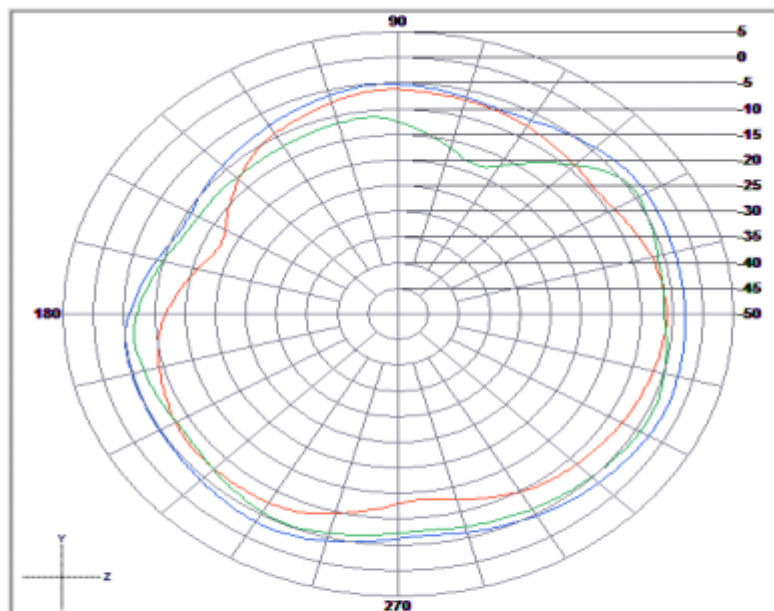
Agilent E5525C

3. 3D Chamber Test System

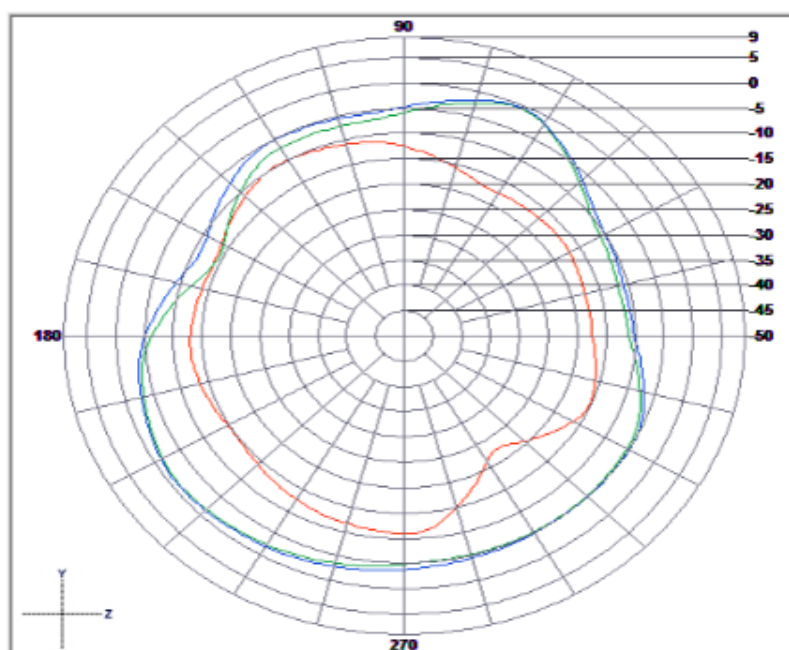
Efficiency& Gain

Radiation Pattern:

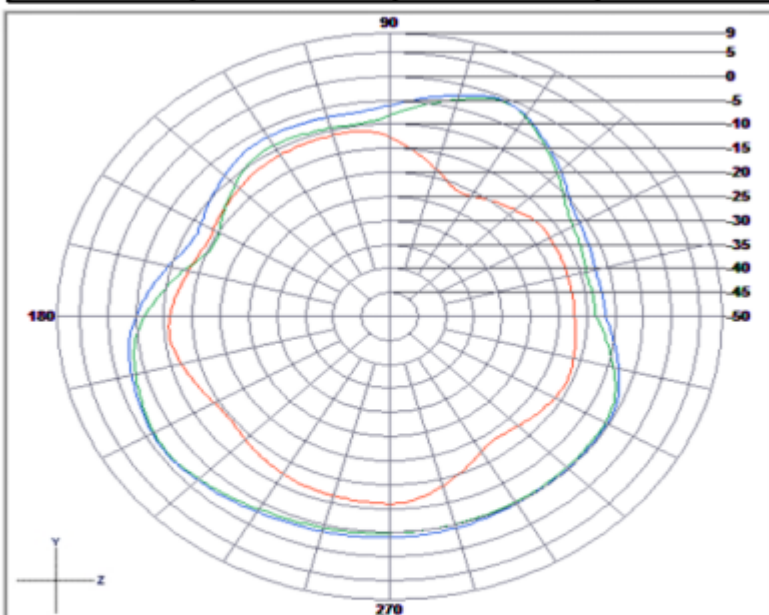
Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-2.17	-4.56	35
2410	-2.06	-4.55	35.05
2420	-1.86	-4.47	35.72
2430	-1.07	-4.43	36.08
2440	-0.36	-4.43	36.04
2450	0.17	-4.44	35.94
2460	0.16	-4.42	36.12
2470	0.13	-4.42	36.15
2480	0.12	-4.4	36.32
2490	0.08	-4.41	36.27
2500	0.01	-4.44	36.01



2400MHZ	Vertical	Horizontal	Total
Avg. Gain	-8.4dBi	-6.99dBi	-4.63dBi
Peak Gain	-5.48dBi	-3.77dBi	-2.17dBi



2450MHZ	Vertical	Horizontal	Total
Avg. Gain	-13.4dBi	-4.6 dBi	-4.06dBi
Peak Gain	-9.47dBi	0.1 dBi	0.17 dBi



2480MHZ	Vertical	Horizontal	Total
Avg. Gain	-13.3dBi	-5.06dBi	-4.46dBi
Peak Gain	-10.3dBi	0.09 dBi	0.12 dBi