Dongzhen Electronics Co., Ltd

Antenna Specification for Approval

Customer Name: _____ Wandi Electronics _____

Product Name: _____ 2.4G antenna _____

Part NO.: _____ 19PIN*0.12*1.4PVC _____

Write By: _____ Mr. zhou _____

Issued Date: _____ 2019-3-8 _____

Address of Manufacturer: 4 / F, Shangpin Technology Building, Nanlong Street, Jinfeng Residential Committee, Xincuo Liao, Longhu District, Shantou City

customer:

R&D Dept	Business Dept	Approved By

supplier

R&D Dept	Engineer Dept	Approval

PART TITLE	2.4GANT	MATERIAL	19PIN×0.12×1.4PVC	UNIT IN	mm	SCALE	5:1	VER.	01
PART NO.	19P×0.12×1.4PVC	DRW ING	Mr. zhou	DATE	2019/3/09	CHECKING		SUPPLIER CFM	

ø1.4

35mm

3.0mm

requirement:
1, Those marked with tolerance are important dimensions,
and those without tolerance shall be ± 0.15.
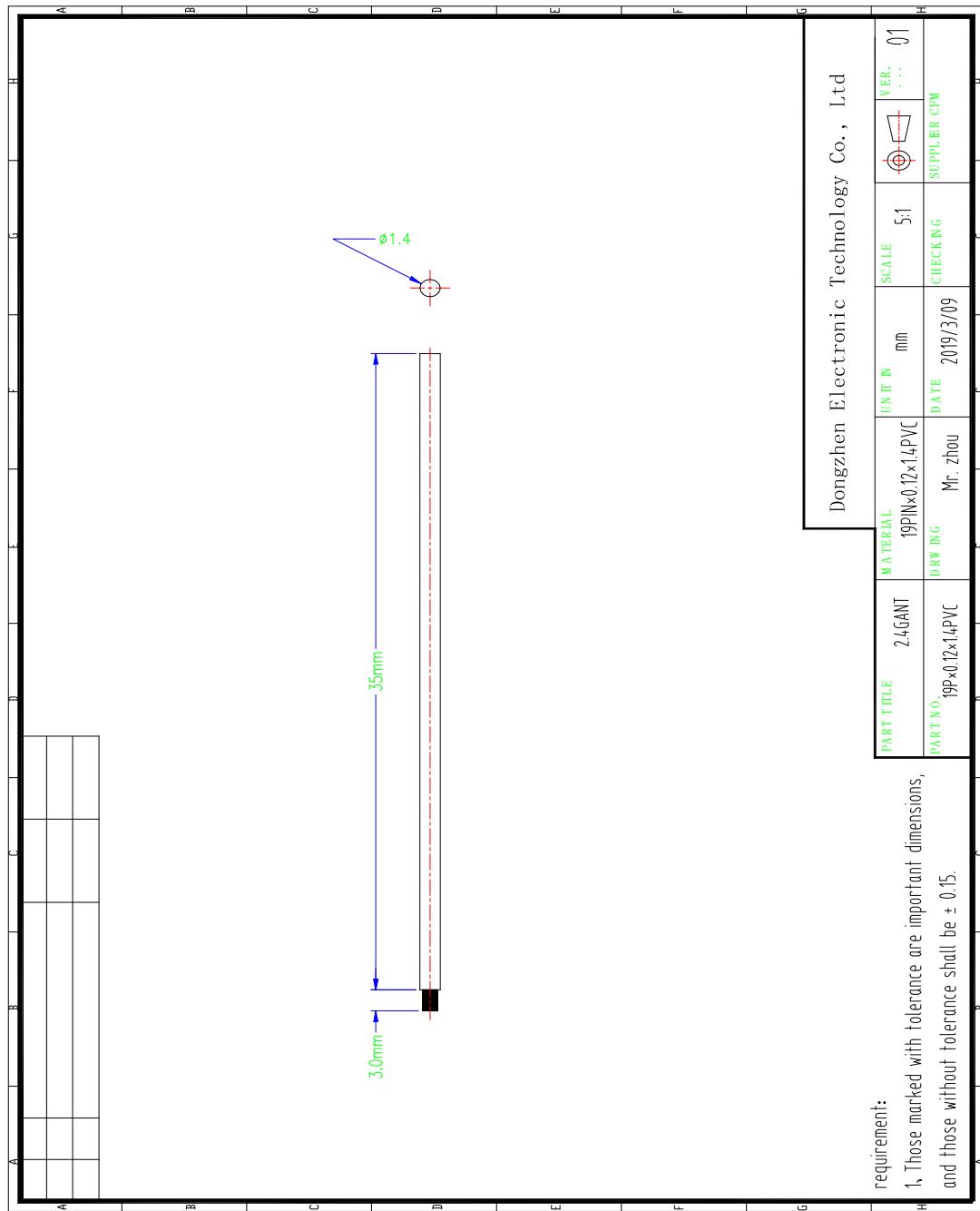
Product Specification

A. Electrical Characteristics
Frequency 2400MHz ~2500MHz
VSWR <3.0
Efficiency >20%
Impedance 50 Ohm
Polarization Line
Gain   0DBi

B. Material & Mechanical Characteristics
Material of Radiator Cu
Cable Type 1.4 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
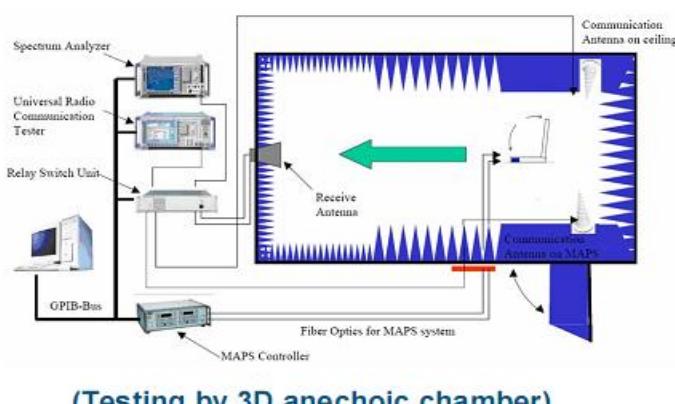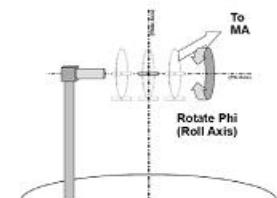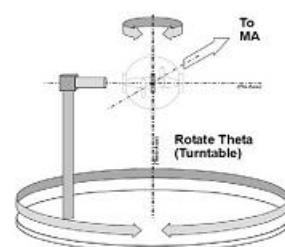
Gain

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

Radiation Pattern:
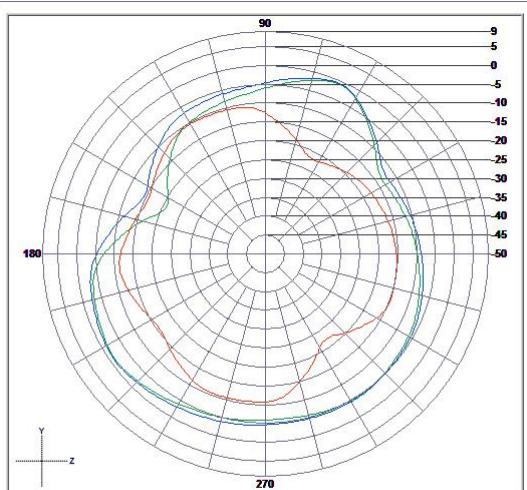
	Vertical	Horizontal	Total
Avg. Gain	-13.14	-5.08	-4.45
Peak Gain	-10.08	-0.03	-0.01
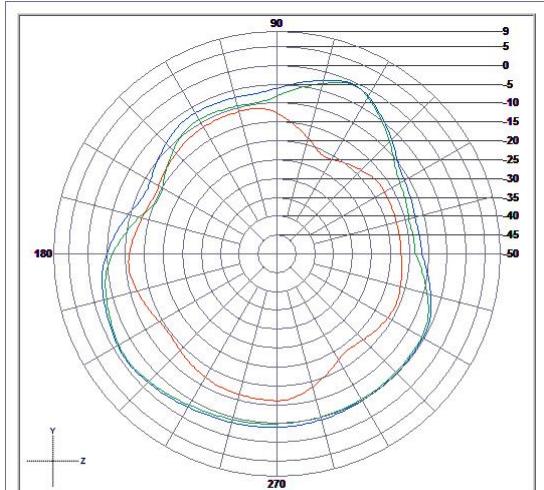
	Vertical	Horizontal	Total
Avg. Gain	-13.34	-5.06	-4.46
Peak Gain	-10.3	0.09	0.12
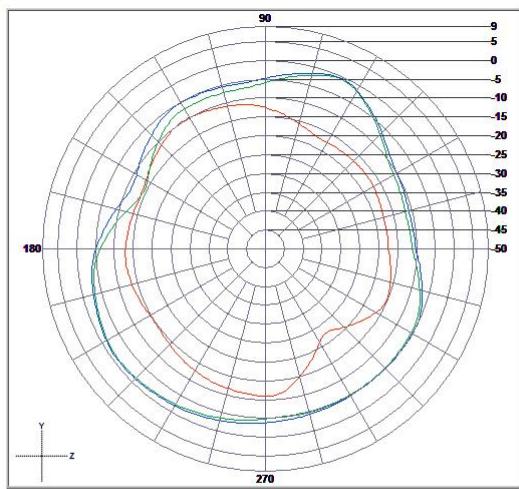
	Vertical	Horizontal	Total
Avg. Gain	-13.42	-4.6	-4.06
Peak Gain	-9.47	0.1	0.17
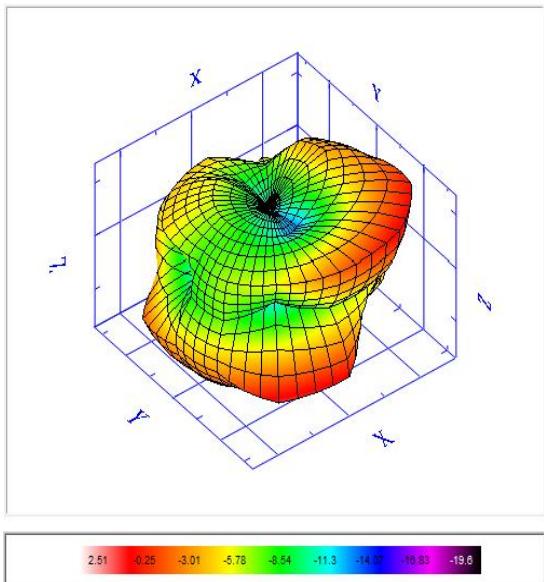
2.51 -0.25 -3.01 -5.78 -8.54 -11.3 -14.07 -16.83 -19.6

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

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