

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Visual technology

PRODUCT NAME: 2.4~5G 2dBi SMA ANT

CUSTOMER P/N:

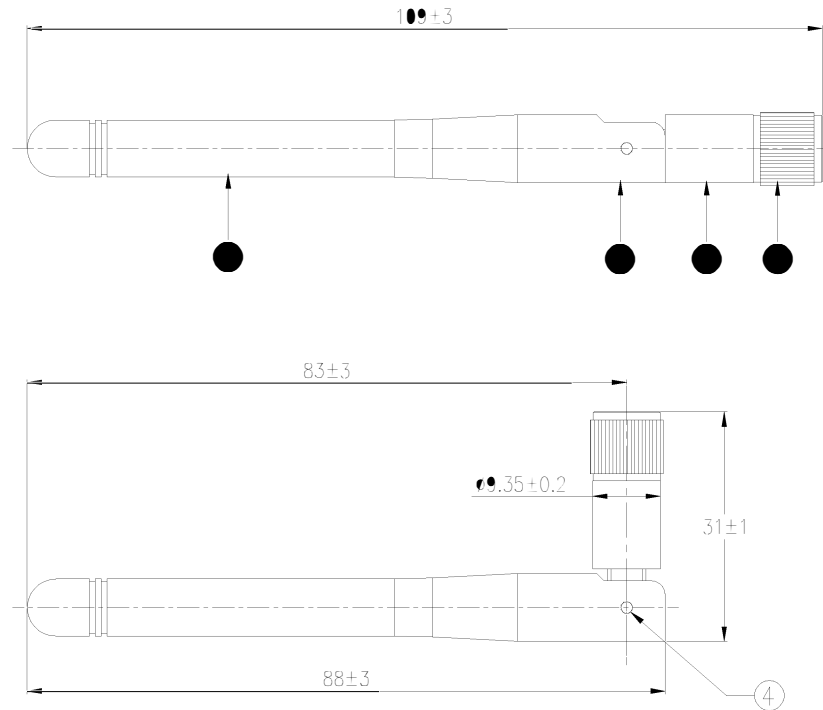
Ren Feng P/N: RF21S00909A REV: A

Internal structure: Grounding pipe+solid column

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	 Liu Cailiang	
AUDITOR BY:		
APPROVED BY:		Yao Dingjun
DATE:	2019-10-29	

Main technical specifications	
Frequency Range (MHZ)	2400-2500 5150-5825
Impedance(Ω)	50 \pm 10
Gain(dBi)	2 \pm 0.5
ReTurnLoss(dB)	\leq -9.5
VSWR	\leq 2.0
Admitted Power	1W
Polarization	Linear, Vertical
Radiation	Omni-directional
Connector Type	SMA
Physical Properties	
Antenna Base	TPEE
Operating Temp	-20 $^{\circ}$ C~+60 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C~+70 $^{\circ}$ C

REV	DATE	DESCRIPTION
A	2019-10-29	NEW ISSUE



(Specification) :

(Frequency Range) : 2.4G~2.5GHz
5.15~5.825GHz

(Return loss) : -9.5dB or less

(VSWR) : 2.0max

(Gain) : 2dBi

5		1	TPEE; Black
4		2	POM; Black
3		1	PC; Black
2		1	PC+PBT; Black
1		1	SMA PLUG -PIN(M); Brass Nickelage
NO.	DESCRIPTION	Q'TY	REMARK

XXX.	±5.0	APPROVED
XX.	±3.0	
X.	±1.0	CHECKED
.X	±0.5	
.XX	±0.1	DRAWING

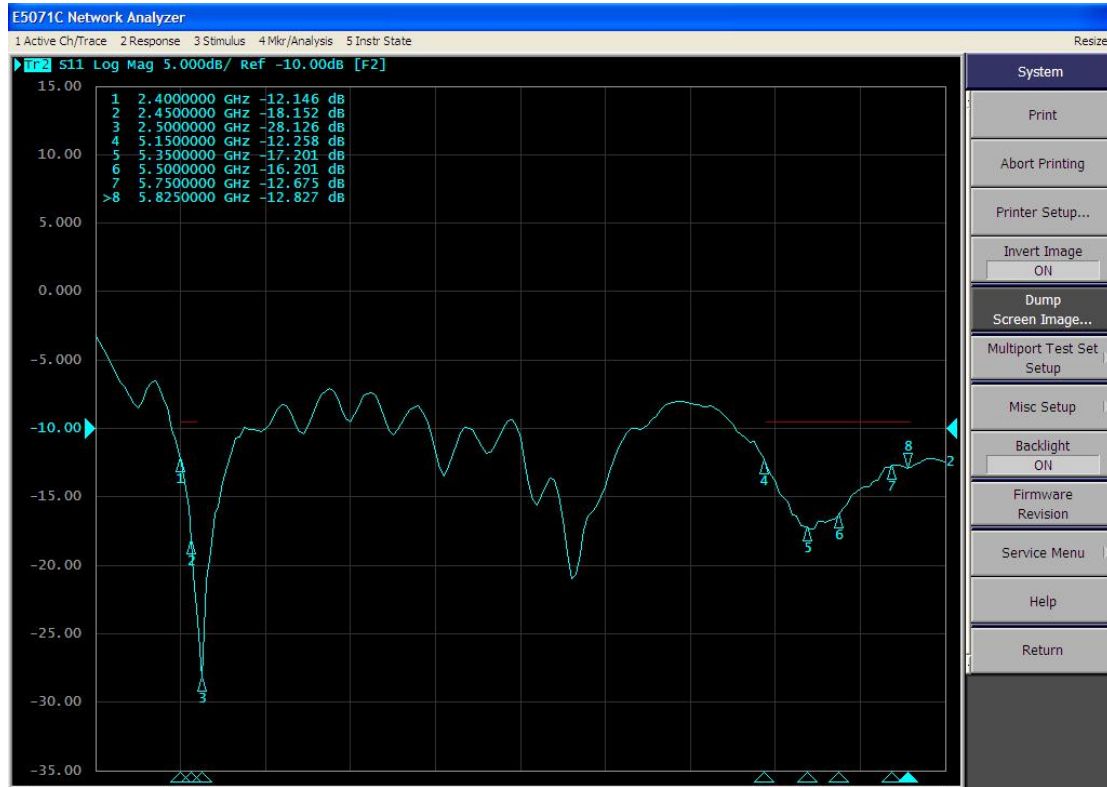
COSTOMER:				
PART NO :				
PARTNAME : RF Antenna Assembly				
R.F P/NO : RF21S00909A				
REV	UNIT	SCALE	SIZE	SHEET
A	mm	1:1	A4	1OF1

RFlink

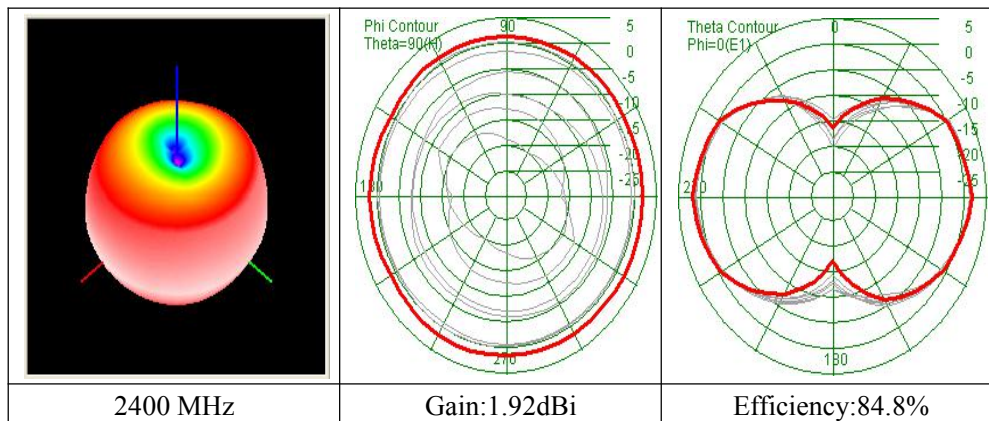
RenFeng Electronic technology Co., LTD.

3. test report

3.1: Network analyzer test report



3.2: 2D、3DRaditation Pattern



<p>2500 MHz</p>	<p>Gain:1.94dBi</p>	<p>Efficiency:80.7%</p>
<p>5150 MHz</p>	<p>Gain:1.82dBi</p>	<p>Efficiency: 70.6%</p>
<p>5500MHz</p>	<p>Gain:1.73dBi</p>	<p>Efficiency: 76.6%</p>
<p>5800MHz</p>	<p>Gain:1.83</p>	<p>Efficiency: 76.6%</p>