

Sample Approved Sheet

P/N: KS088-10058-A

Part type: 4.95~5.85G dipole Ant with IPEX Con.

Lenth5CMgain 2.5dBi, SWR<2.3

customer: Shenzhen Zeroone-video Tech

P/N: _____

QC	ENG.	SALES
Lifang.Li	Haibing.Li	

CUSTOM		
确认	审核	批准
Gimmy .chen		Bruce.zhao
结果: 接受 拒绝		
意见: PASS ☐ ☐		

Catalog

[illegible]

Specification

●ElectricalPerformance:

1. Frequency Range: 4.95-5.85GHz
2. Impedance: 50 Ohms nominal
3. VSWR: ≤ 1.92
4. Gain:2.5dBi
5. Admitted power radiation:1W
6. Radiation of Radiation:Toroidal
7. Radiation:Omni
8. Polarization:Vertical
9. ConnectorType:i-PEX

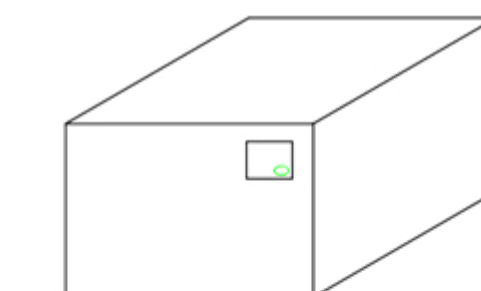
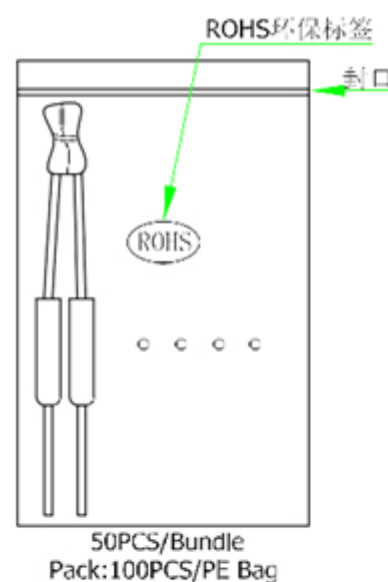
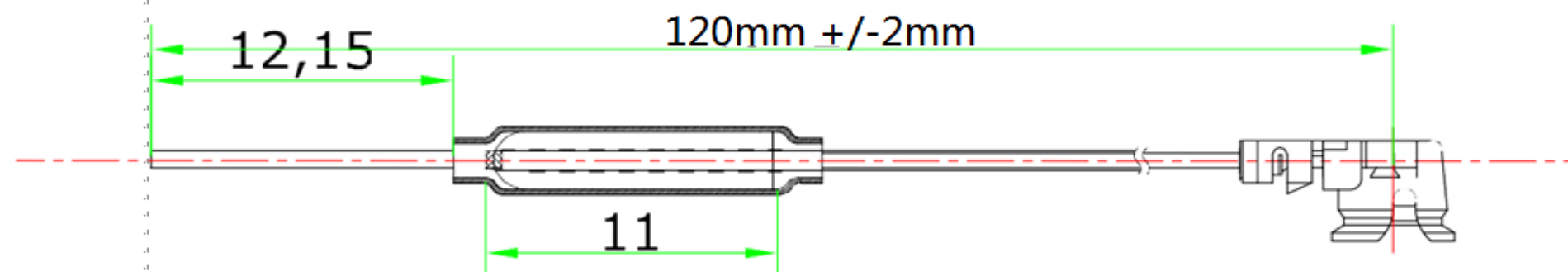
●Mechanicalproperties:

1. Cable: 1.37Cable Black,50Ohm
2. Operationtemperaturerange: $-20^{\circ}\text{C}\sim+70^{\circ}\text{C}$
3. Storage temperature range: $-30^{\circ}\text{C}\sim+80^{\circ}\text{C}$
4. Color:Black

成品图

ROHS

REV	修订内容	修订时间
X1	新 版 发 行	2019.09.17



- 1.内标需贴1PCS/ROHS标签上
- 2.外箱需贴1PCS/外箱标签于外箱侧面上角

Specification:
Frequency Rang: 4.95-5.75GHz
Return Loss:-10dB or less
VSWR:1.92 Max
Gain: 2.5dBi

NO	DESCRIPTION	Q'TY	REMARK
3	Connector M-F Plug for Ø1.37mm Cable	1	
2	H.S Tube Heat Shrink Tube	1	
1	Cable Ø1.37mm Cable,black,50 G	1	
1	Ground Tube Ø4.4*15mm,Brass	1	

TITLE:	4.95-5.75G 2.5dBi Ant...
P/N:	
CUSTOMER:	KS088
DRAWING:	KS088-10083-A
DIMENSIONS TOLERANCES UNLESS OTHERWISE NOTED	
一般公差 TOLERANCE	XXX ±0.05
	XX ±0.1
	X ±0.2
	±0.5
SHEET: 1/1 SCALE: 1:1	
UNIT: mm	REV: X1
APPROVED	CHECKED
DRAWN	Fred

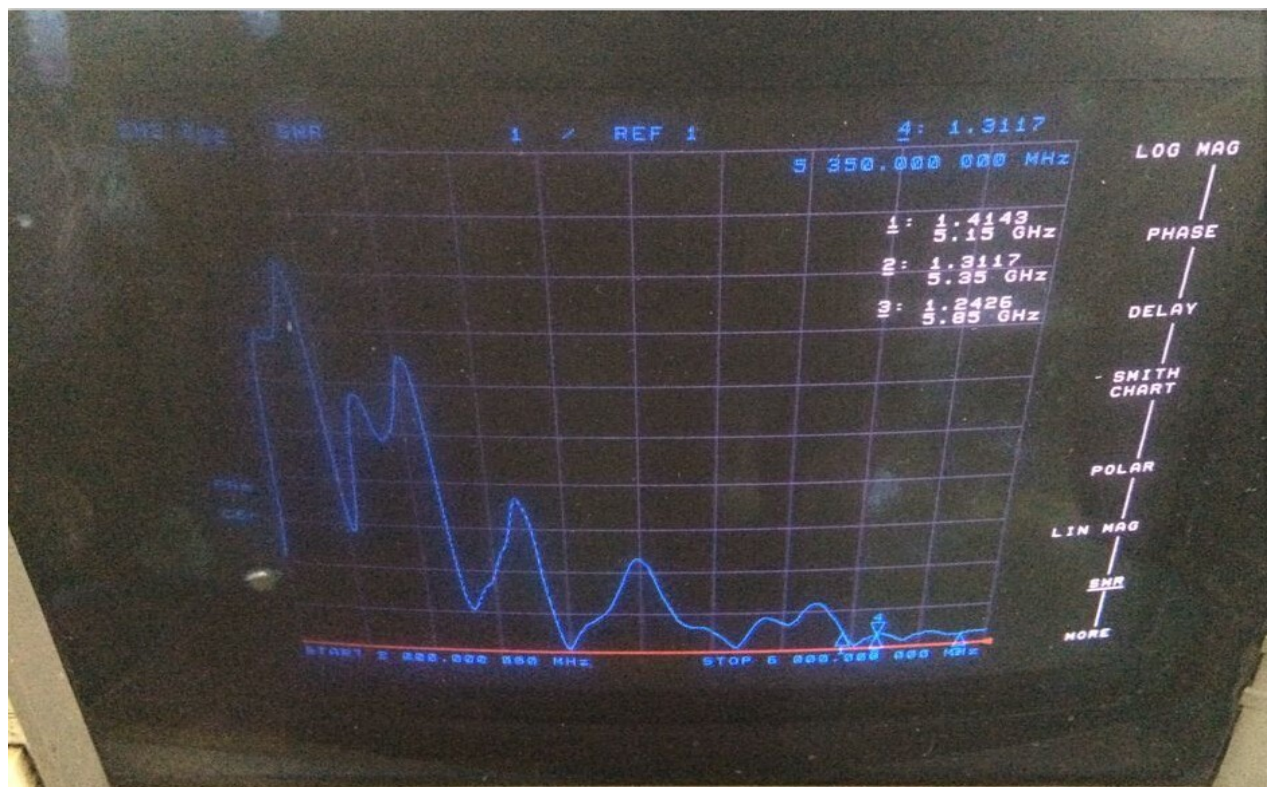
4.95-5.75G 2.5dBi Ant.

Return Los/VSWR

P/N: KS088-10083-A

Range: 4.95~5.85G

Test Spec: Return Loss/VSWR

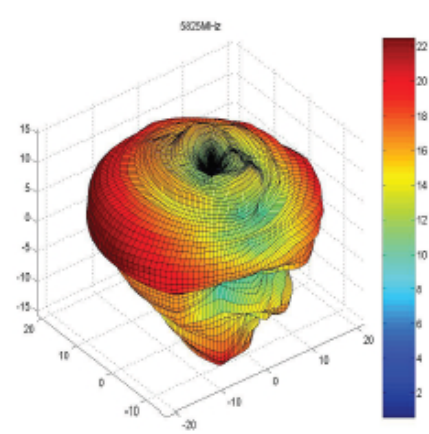
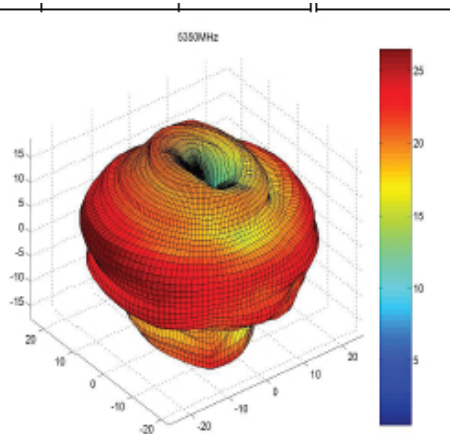
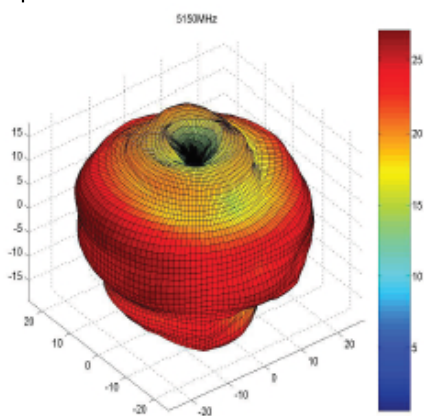


3D Antenna Pattern Report

Manufacturer	-
Model Name	5.8G
Tester Name	W_
Test Date	2019/09/15 9:47
IF BW	100Hz
Port Power	20dBm
Meas Step	5`

Frequency(MHz)	Port Power(dBm)	TPR(dBm)
5150 MHz	20	22.5
5250 MHz	20	22.37
5450 MHz	20	22.34
5825 MHz	20	22.35

Frequency(MHz)	Effi %	Max			Max Position Theta / Pie	Gain dBi	Directivity
		Ver	Hor	Sum			
5150 MHz	75.50	-62.90	-71.43	-62.84	95.00 / 0.00	2.50	4.50 dB
5250 MHz	75.10	-62.70	-70.42	-62.68	90.00 / 0.00	2.37	4.35dB
5450 MHz	77.92	-59.96	-69.60	-59.94	75.00 / 180.00	2.34	5.25 dB
5825 MHz	72.34	-62.80	-71.86	-62.78	80.00 / 180.00	2.35	5.15 dB



Unit=dBm

Result= Gain+Port Power

Standard spec.

1、RF Spec.

RF range	4.95~5.85G
S.W.R	≤ 1.92
Gain	2.5dBi
Connector	IPEX
Impedance	50 Ohm