



普尔信通讯科技(深圳)有限公司

Percsson Communication Equipment Co., Ltd

Antenna Test Report

For

ESP-32

Customer		Project	ESP-32
Band	2.4G	Color	黑色
PRS PN		Version	V1.0
Issued by	Jason	Checked by	Mem
Confirmed by	Zhang	Date	2018.06.27

一. TEST INSTRUMENTATION

CHAMBER	SATIMO Chamber
Wireless Networking Test Set	Agilent 8960 5515C
NETWORK ANALYZER	Agilent 8753D
TEMPERATURE	20±2 °C
HUMIDITY	50±20%rh

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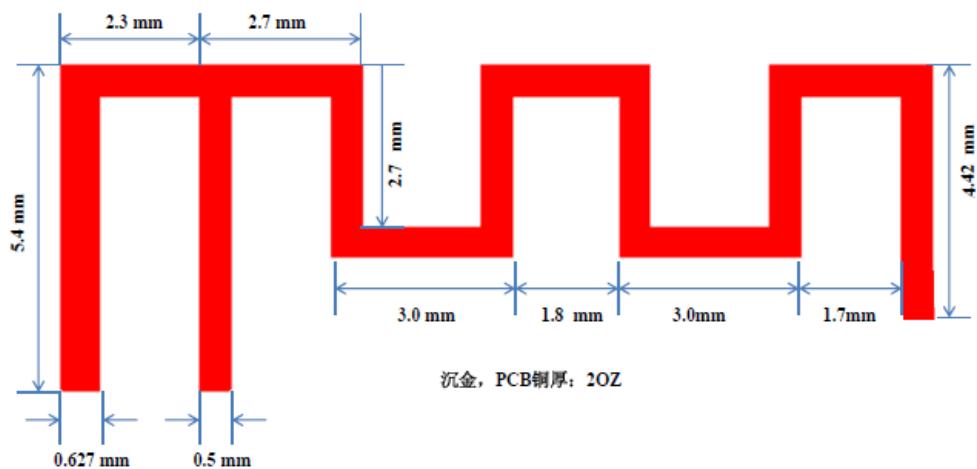


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ESP-32 WiFi Module



Antenna Dimension for ESP-32

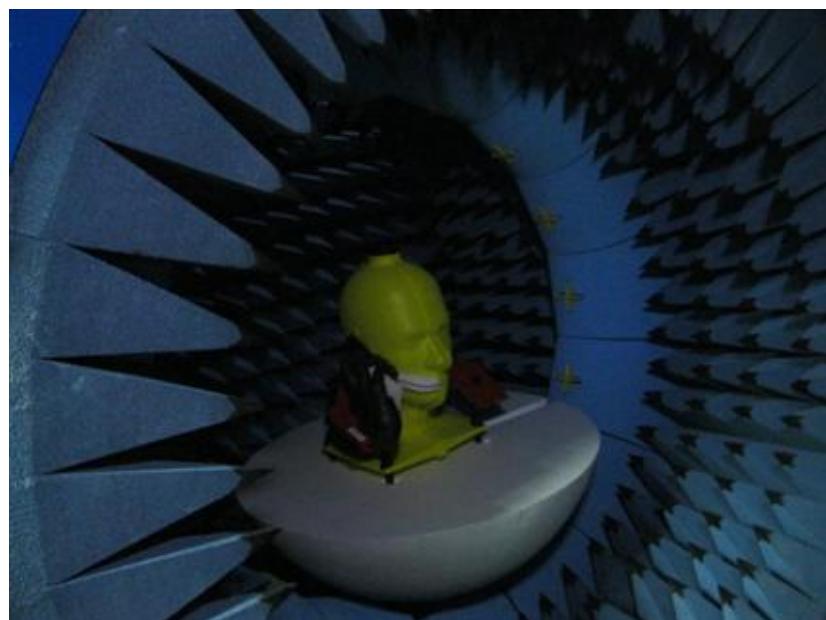
Shenzhen four bo smart link technology Co., LTD
Room 903904, Block A, Building 8, Shenzhen International Innovation Valley, Batashi Road,
Xili Community, Nanshan District, Shenzhen

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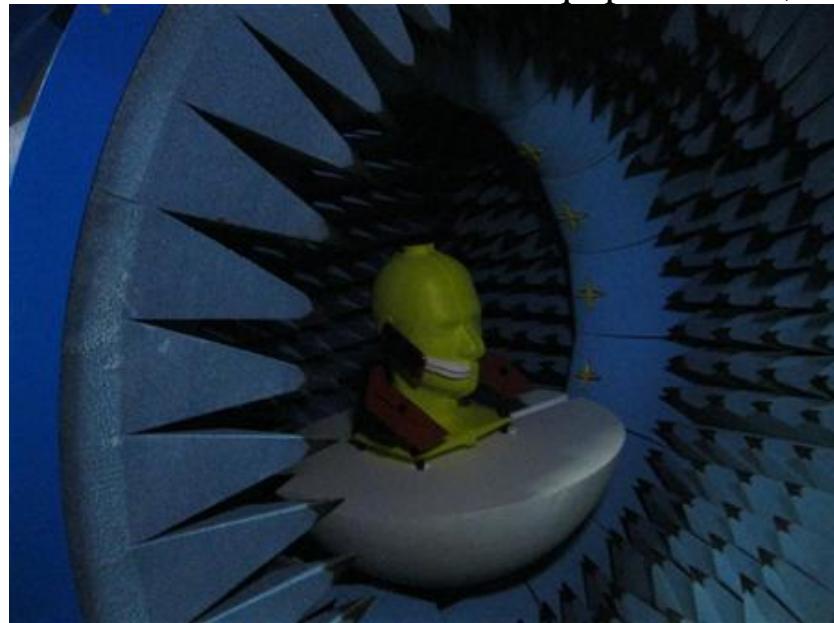


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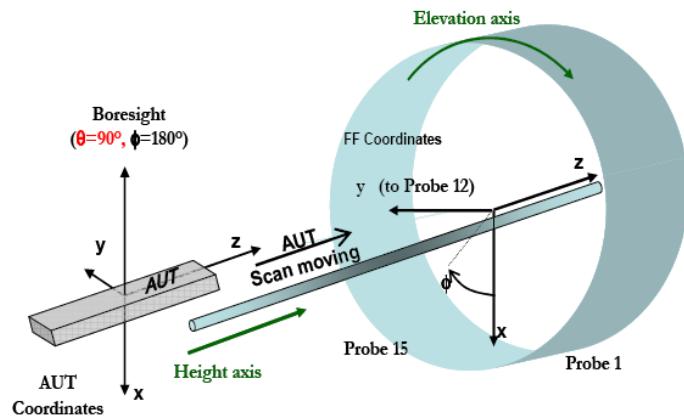
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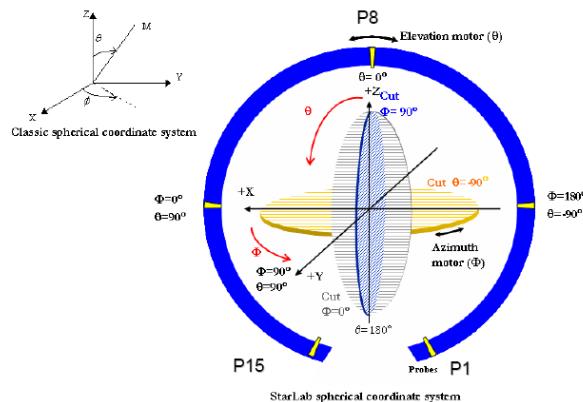
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Coordinate system – Cylindrical geometry



Coordinate system – Spherical geometry



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二. Definitions

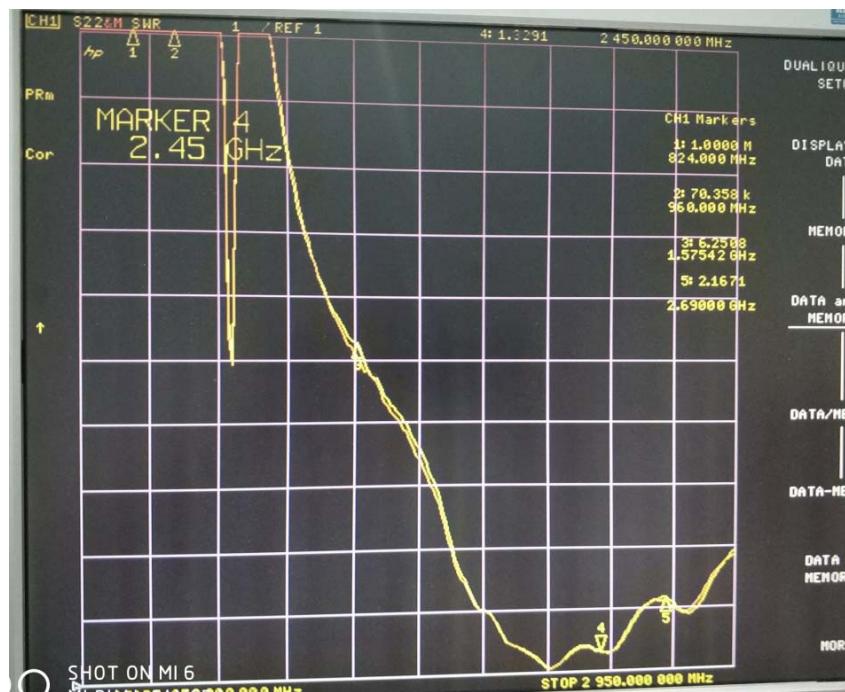
VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total isotropic sensitivity

	WIFI
VSWR	1.1

主天线驻波比:



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Passive efficiency test of main antenna

WIFI/BT:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	70.46	4.78
2410	72.35	4.93
2420	71.59	4.84
2430	69.39	4.67
2440	71.47	4.83
2450	73.67	5.06
2460	73.96	5.1
2470	73.74	5.13
2480	74.72	5.28
2490	75.75	5.36
2500	74.04	5.29

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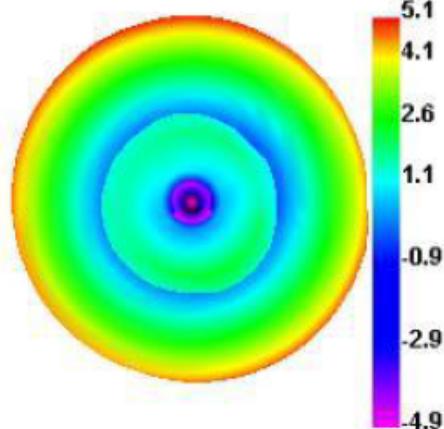


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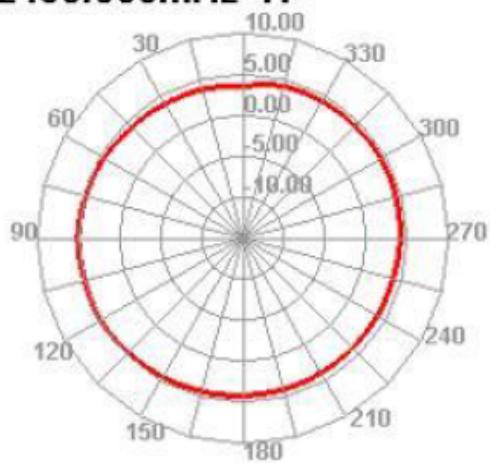
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Passive direction diagram:

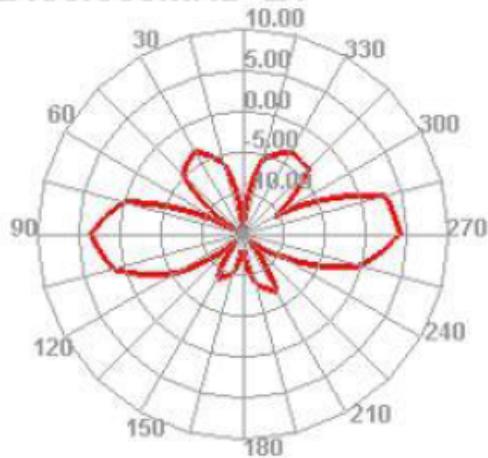
2450.000MHz



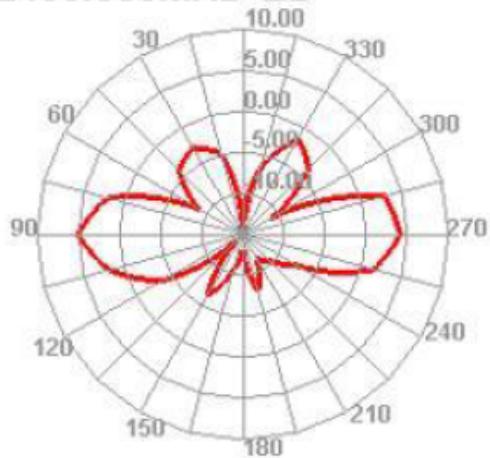
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



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