

规格书

Specification

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600MHz PCB Antenna; V1.0

核准approve	审核check	编制authorized
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版本描述 release description

日期DATE	批准approve	版本release	描述description
2019-07-29		V1.0	初版editio princeps

1. Electrical Performance

A.Electrical Characteristics	
S.W.R	<2.0@560-600MHz
Frequency Range(MHz)	560-600MHz
Impedance	50 Ohm
Gain	MAX: 1.7dBi@560-600MHz
B.Material	
FR4线路板板载天线	
FR4 On-board antenna on the circuit board	
C.Environmental	
Operation Temperature	-20℃~65℃
Storage Temperature	

2. Measurement Setup

(1) Reflection coefficient Measurement:

(a) **Instrument:** Network Analyzer

(b) Setup:

- (I) Calibrate the Network Analyzer by one port calibration using Agilent calibration kits.
- (II) Connect the antenna under test to the Network Analyzer
- (III) Measure the S11 (reflection coefficient) shown in Fig.1

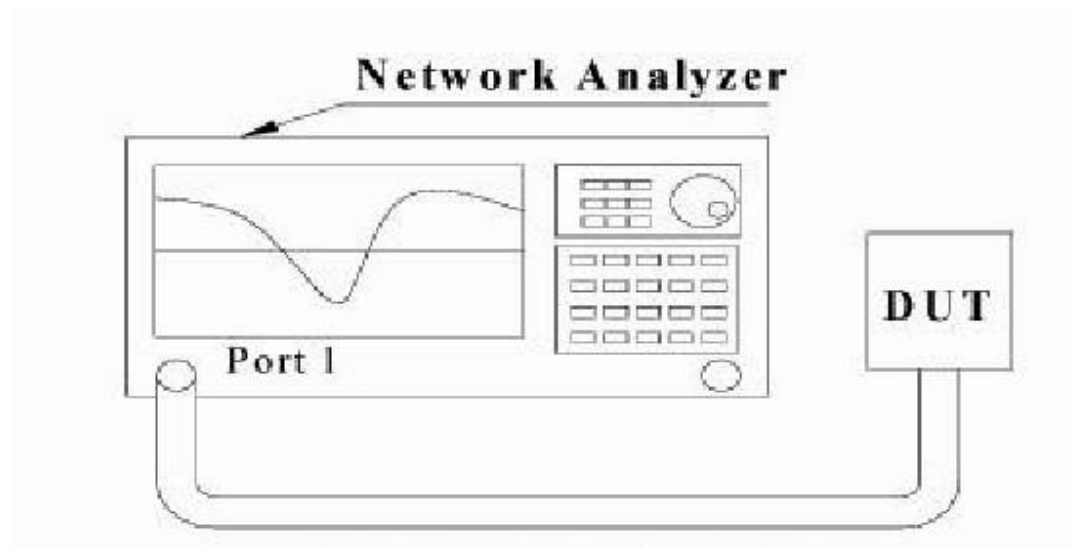


Fig.1 Measure S11 on Network Analyze

天线增益与效率 Antenna gain and efficiency

天线 Antenna		
Freq(MHz)	Efficiency (%)	Gian(dBi)
560MHz	8,74	1,2
580MHz	9,20	-1,5
600MHz	10,20	1,7

天线辐射方向图 Antenna Radiation Pattern

