



规格书 Specification

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CUSTOMER Add.:

客户品名:
DESCRIPTION: 捷
雷料号: C168-JL-3821
P/N:

捷雷品名: PCB Antenna; V1.2
PART NO:

Reviewer	Approved	Provide
Frank	WenSen	Sean
2023. 07. 26	2023. 07. 26	2023. 07. 26

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Contents

1. Electrical Performance	3
2. Measurement Setup	4
2.1 Test equipment	5
3. Mechanical Dimension Drawing	6

REV.

DAET		REV.	Discribe
2023-07-26		V1.2	<u>Add gain value and pattern</u> parameters
2019-08-27		V1.1	Correct dimensions
2019-07-29		V1.0	first edition



1. Electrical Performance

A.Electrical Characteristics	
S.W.R	<2.0@902-928MHz
Frequency Range(MHz)	902-928MHz
Impedance	50 Ohm
Gain	MAX: -0.3dBi@902-927MHz
B.Material	
Nickel plated phosphor copper	
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

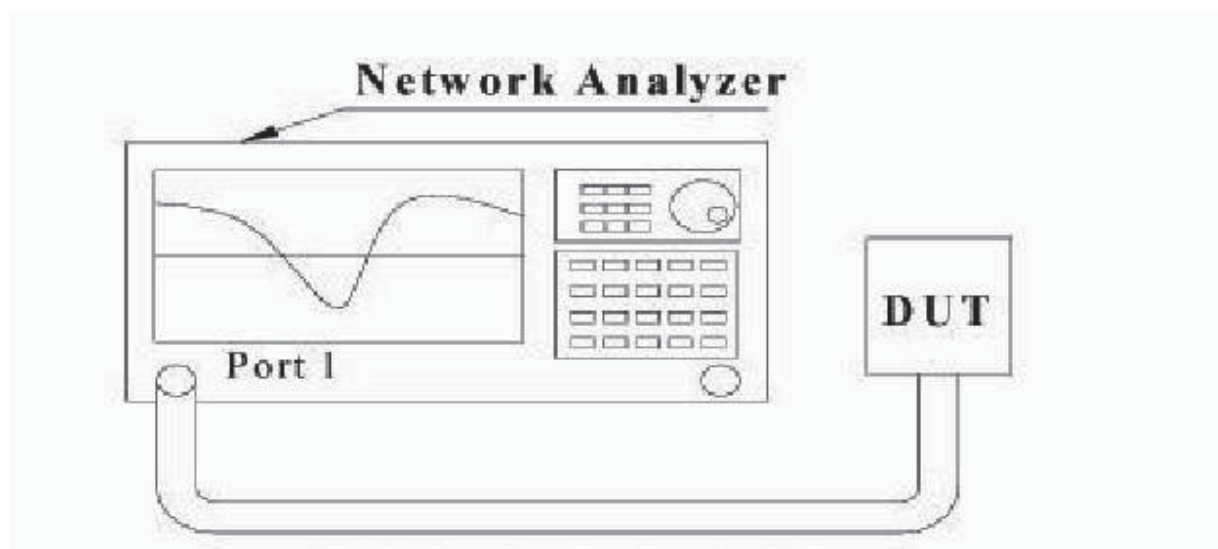


Fig.1 Measure S11 on Network Analyze



2.1 Test equipment

Standing wave test equipment

The VSWR was tested with the Agilent Loss Network Analyzer E5071C. The analyte is placed smoothly on a non-conductive material with a small permittivity, or suspended for testing.

Efficiency test equipment

The efficiency test equipment is tested by a darkroom built by Jetray. Includes active and passive testing of antenna 3D performance, CTIA-compliant OTA performance testing (TRP&TIS). The outer structure of the anechoic chamber measures 7m×5m×3 m (L×W×H), which can test antennas from the 700MHz-6GHz frequency range. During the test, the test to be tested is stably fixed on the turre.



3. Mechanical Dimension Drawing



size: 22*6mm



4.Sample Test Report

Freq (MHz)	Effi (%%)	Max (dB)
902	28.14	-2.16
907	29.58	-1.63
912	32.03	-1.05
917	33.96	-0.65
922	35.51	-0.44
927	37.2	-0.34
928	37.67	-0.31

