



# 电性测试报告

## Test Reports

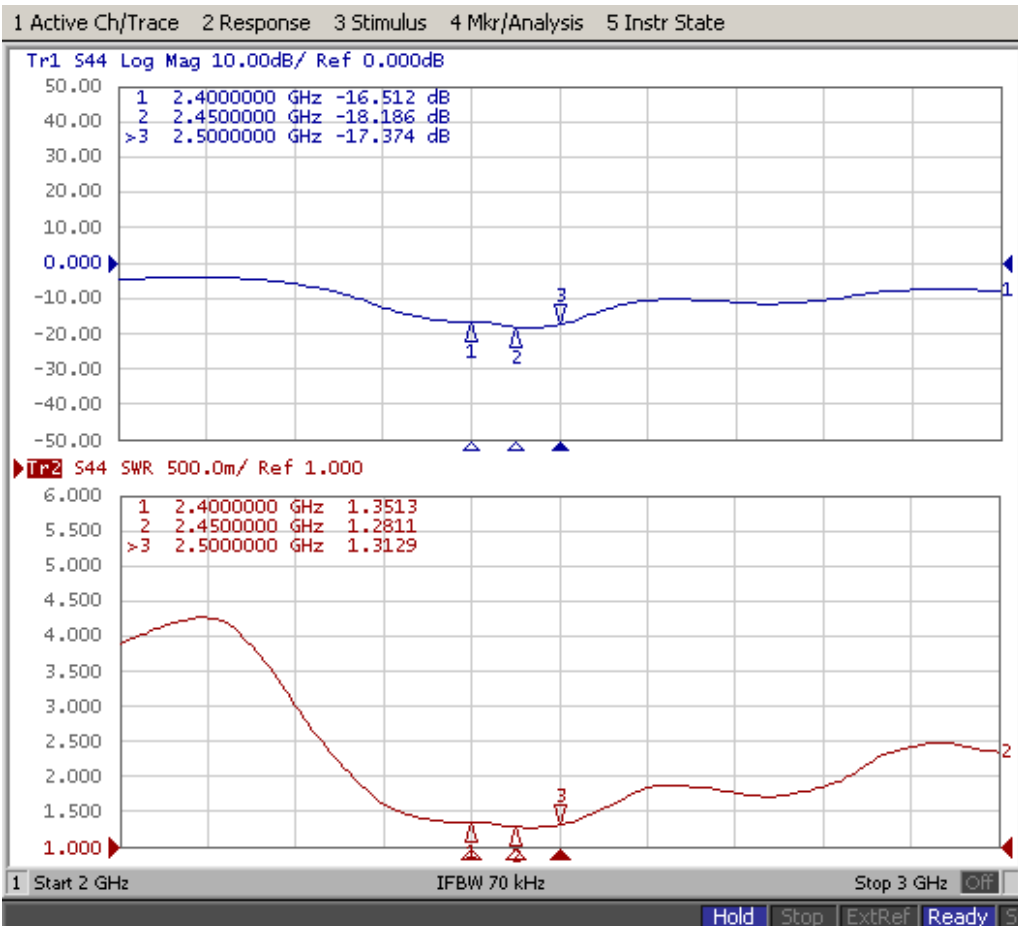
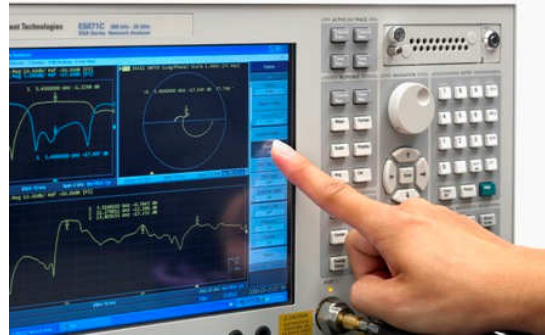
<b>Electrical Properties</b>	
Frequency	2400 – 2500 MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2 dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
<b>Physical Properties</b>	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 70 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray



# S 参数测试

## S Parameter Test

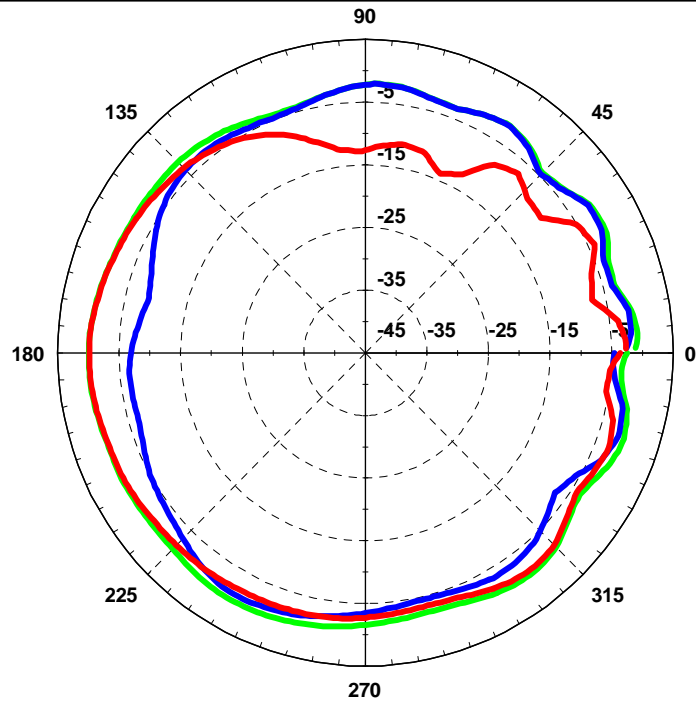
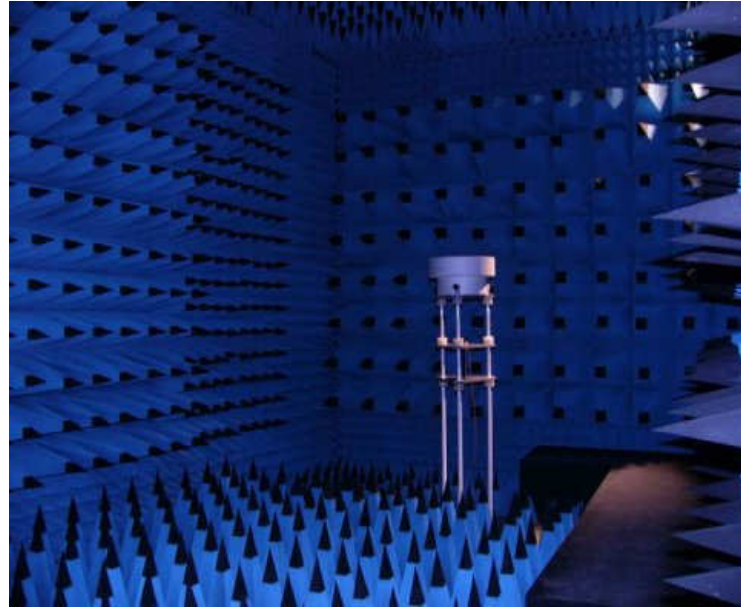
*Agilent E5071C*





# 增益测试 Gain Test

*Antenna  
Radiation  
Pattern  
VS  
Gain*





# 可靠度测试表

## Reliability Test (1)

Test Item	Test Condition and Procedure	Requirements
Salt Spray	MIL-STD-202G, 101E, cond. B Temp: 35° C; RH: >=95%; NaCl sloution: >=5%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
Humidity	MIL-STD-202G, 103B, cond. B Temp: 40° C; RH: >=95%; Time: 48 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
Thermal Shock	1 Cycle: - 40° (30 minutes) to + 90° C (30 minutes) Cycles: 48	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
Random Drop	Heighth: 1.0M; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%



# 可靠度测试表

## Reliability Test (2)

Test Item	Test Condition and Procedure	Requirements
Solderability	MIL-STD-202G, 210F, cond. A Solder iron: $350 \pm 10^\circ \text{C}$ ; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
Terminal Pull Test	MIL-STD-202G, 211A, cond. A Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$
Terminal Torque Test	MIL-STD-202G, 211A, cond. E Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol. $\leq 5\%$
Dimension	Inspection of dimension, color, material, package	Directive DUT specification
Voltage Breakdown	MIL-STD-202G, 301 Test voltage should be applied between insulated portions, or between ground as specified.	Max Voltage: $\geq 1000 \text{ V DC}$ or directive material specification
Insulation Resistance	MIL-STD-202G, 302, cond. B Test Voltage: $500 \pm 50\text{V}$ ; between the insulated portions, or between ground as specified.	Resistance $\geq 10 \text{ M ohm}$ or directive material specification



# 可靠度测试表

## Reliability Test (3)

Test Item	Test Condition and Procedure	Requirements
DC Resistance	MIL-STD-202G, 303 Air Temp: 25° C; measured with test equipment	Directive material specification
S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
Insertion Loss	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification