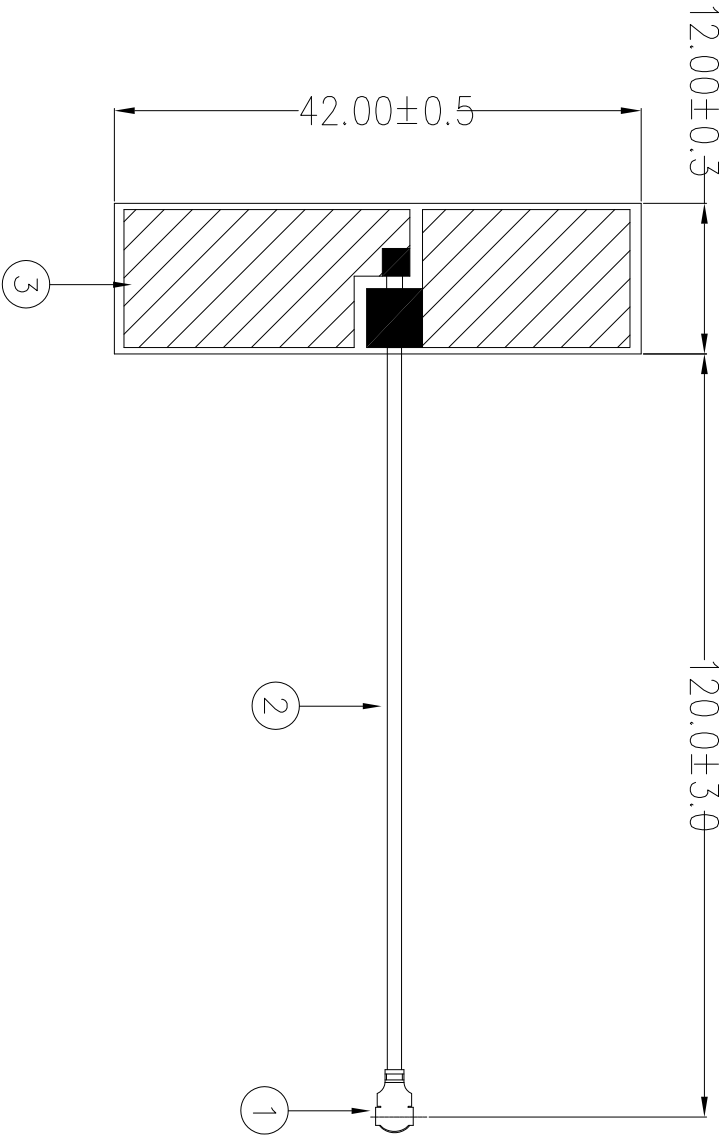


电 性 测 试 报 告

Test Reports

Electrical Properties	
Frequency	2.4GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	3dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40 ~ +85 °C
Cable Color	Black

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



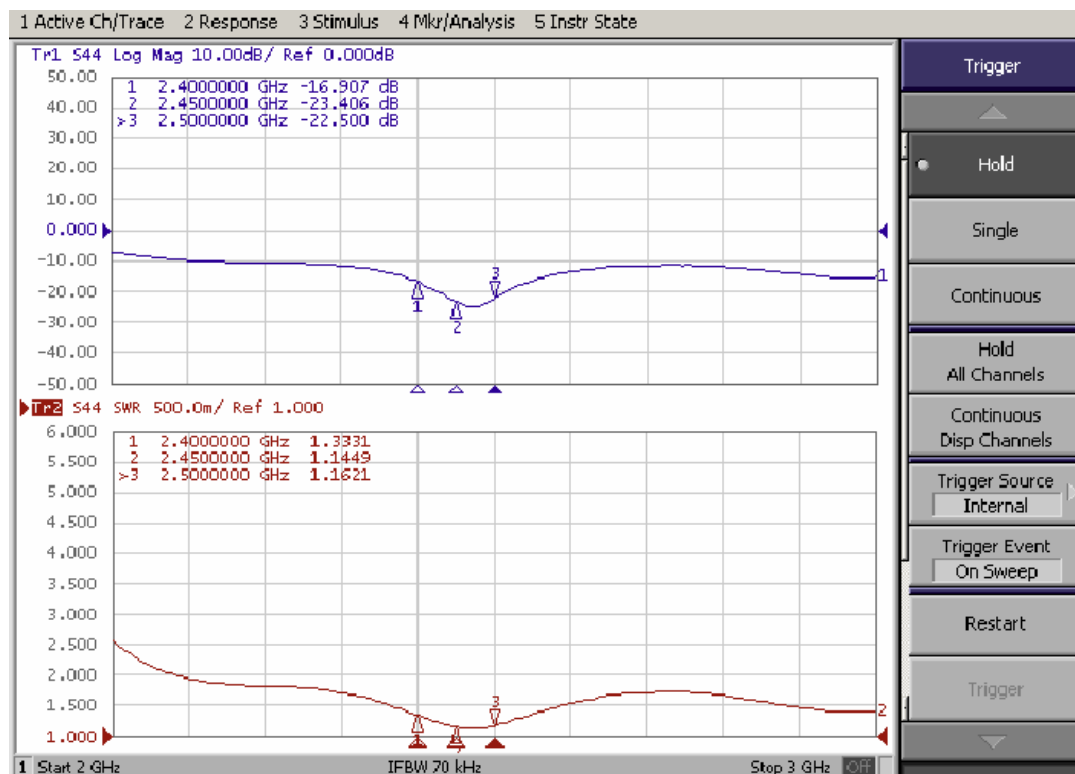
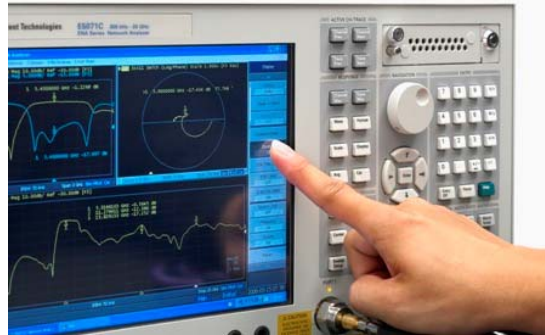
3	NB030B	FPC	42*12mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	Cl-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

TITLE: 2.4GHz Antenna				
PART NO.: NB030-13B-IX130		DWG NAME: NB030-13B-IX130.DWG		
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance	
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

S 参数测试

S Parameter Test

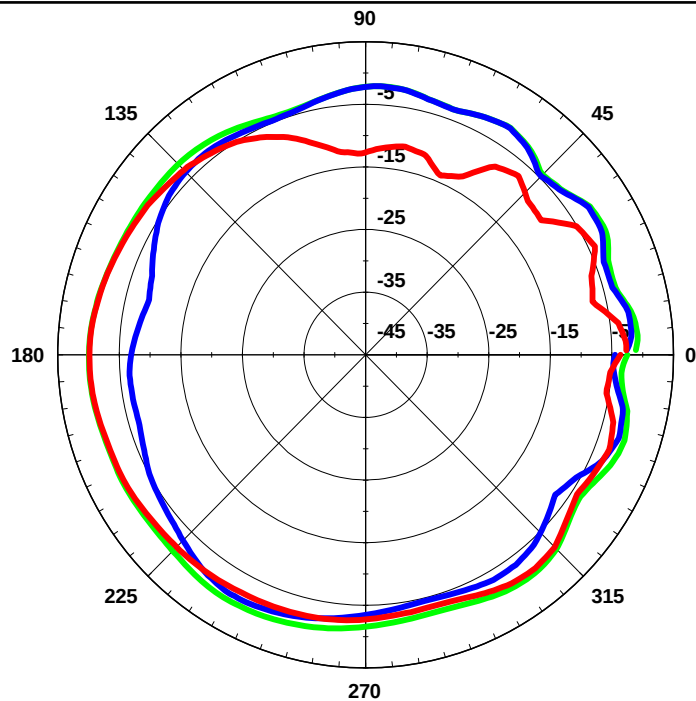
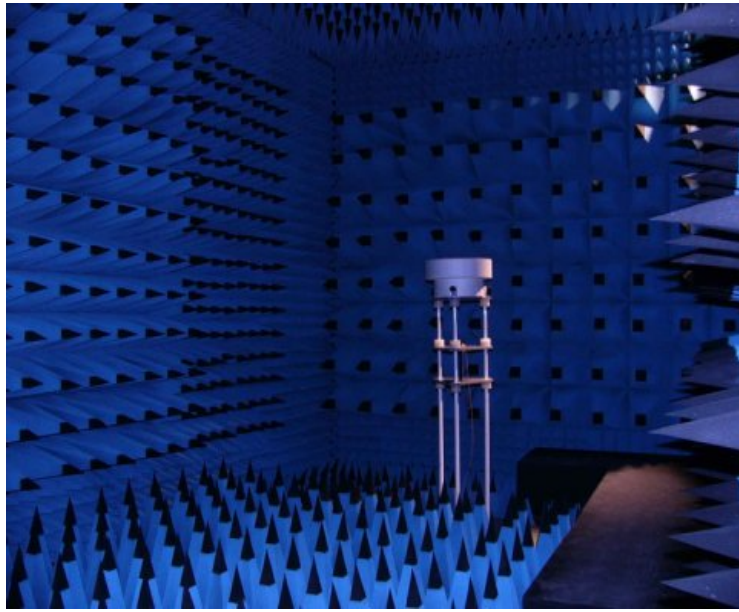
Agilent E5071C



增益测试

Gain Test

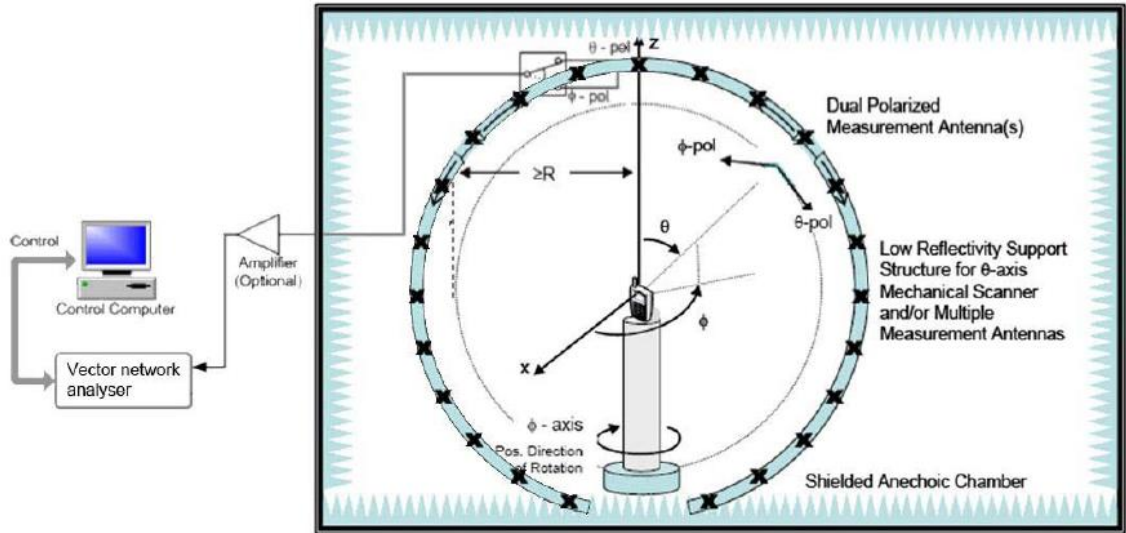
*Antenna
Radiation
Pattern
VS
Gain*



ANTENNA SPECIFICATION

2.3. 效率及增益 Efficiency and Gain

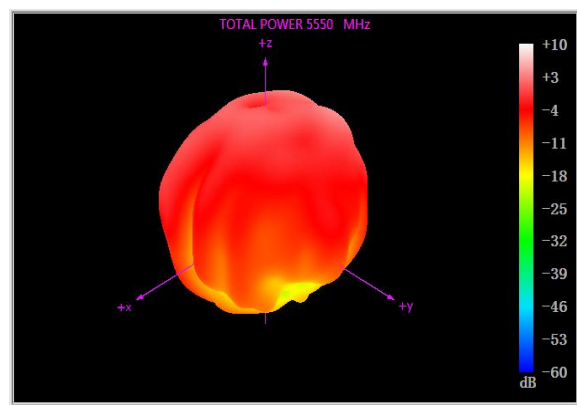
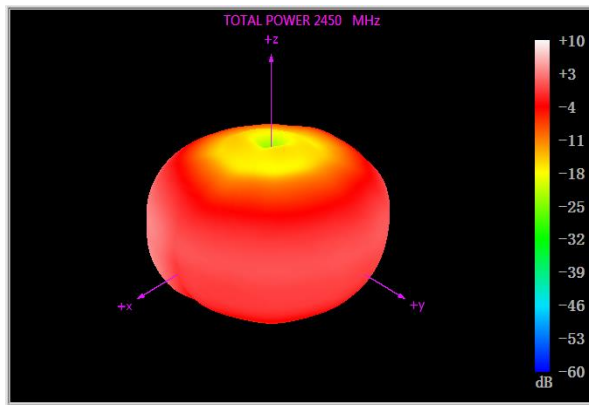
2.3.1. 测试系统 Test system



2.3.2. 无源数据 No-source test data

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400 MHz	73.3	1.6
2410 MHz	76.98	1.99
2420 MHz	80.08	1.3
2430 MHz	80.83	1.42
2440 MHz	77.86	3.00
2450 MHz	71.74	2.65
2460 MHz	75.88	1.6
2470 MHz	73.21	1.27
2480 MHz	65.98	2.73
2490 MHz	70.06	2.1
2500 MHz	69.83	2.09

2.3.3. 3D Radiation Drawing



ANTENNA SPECIFICATION

2.3.4. directional drawing of horizontal plane

