Address: Shenzhen Algo Technologies Co., Ltd.
Manufacturer: 5th Floor, Building E5, Juyin Technology Industrial Park, Ganli Road, Longgang District, Shenzhen 518116, China

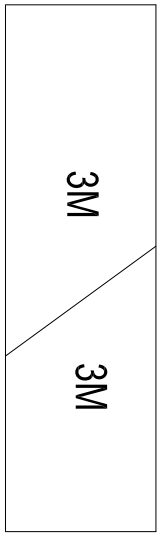
承认书项目表

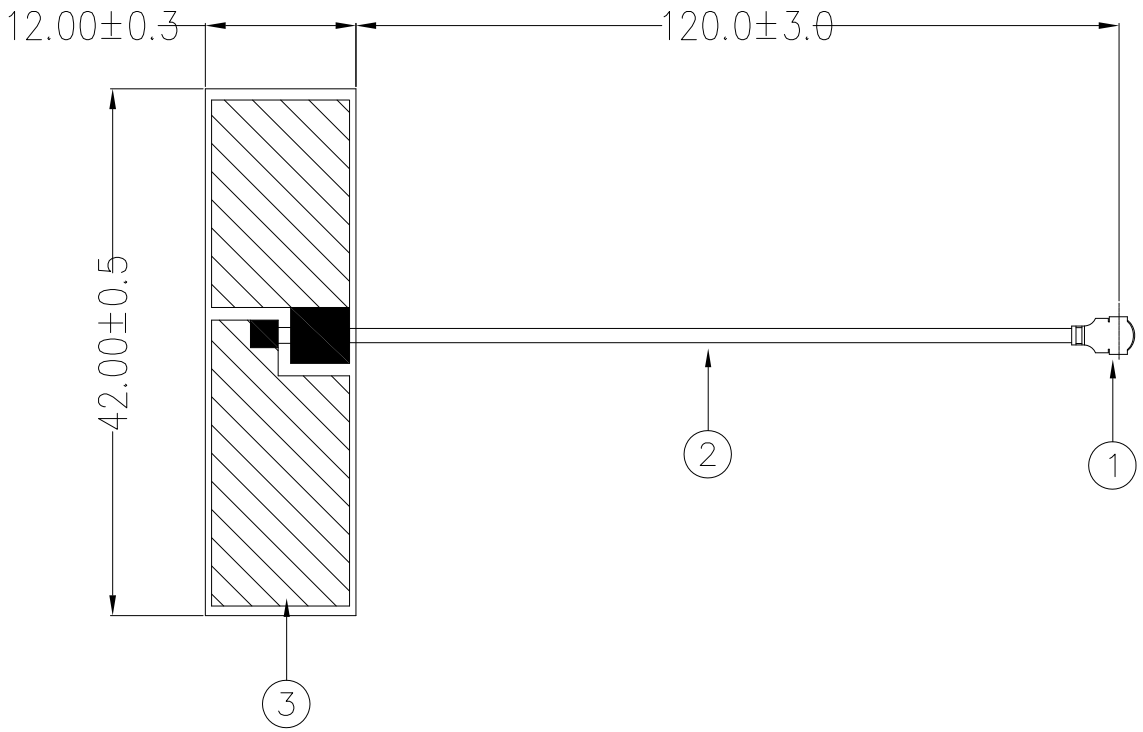
NO.	内 容 （Contents）	页 数 （Number of Page）	页 码 （Page Code）
1	承认书封面 （Spec Cover）	1	1
2	承认书项目表（Spec Item ）	1	2
3	工程成品图 （Drawing）	1	3
4	电性测试报告（Test Reports ）	1	4
5	S参数测试 （S Parameter ）	1	5
6	增益测试 （Gain Test ）	1	6
7			
8			
9			
10	-	-	-
11	-	-	-
12	-	-	-

电 性 测 试 报 告
Test Reports

Electrical Properties	
Frequency	2400-2500MHz
Impedance	50 0hm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.54dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPC
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
B			
C			
D			





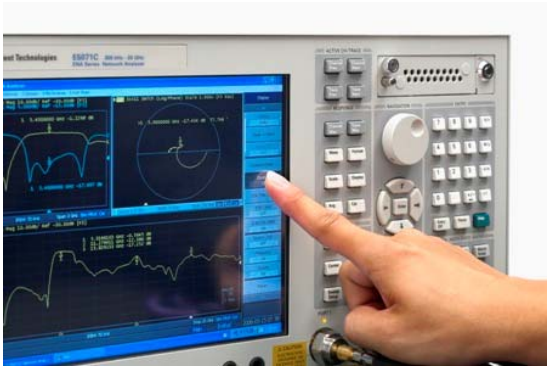
No.	Part Number	Name	Material	Q'ty
3	NB030B	FPC	42*12mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1

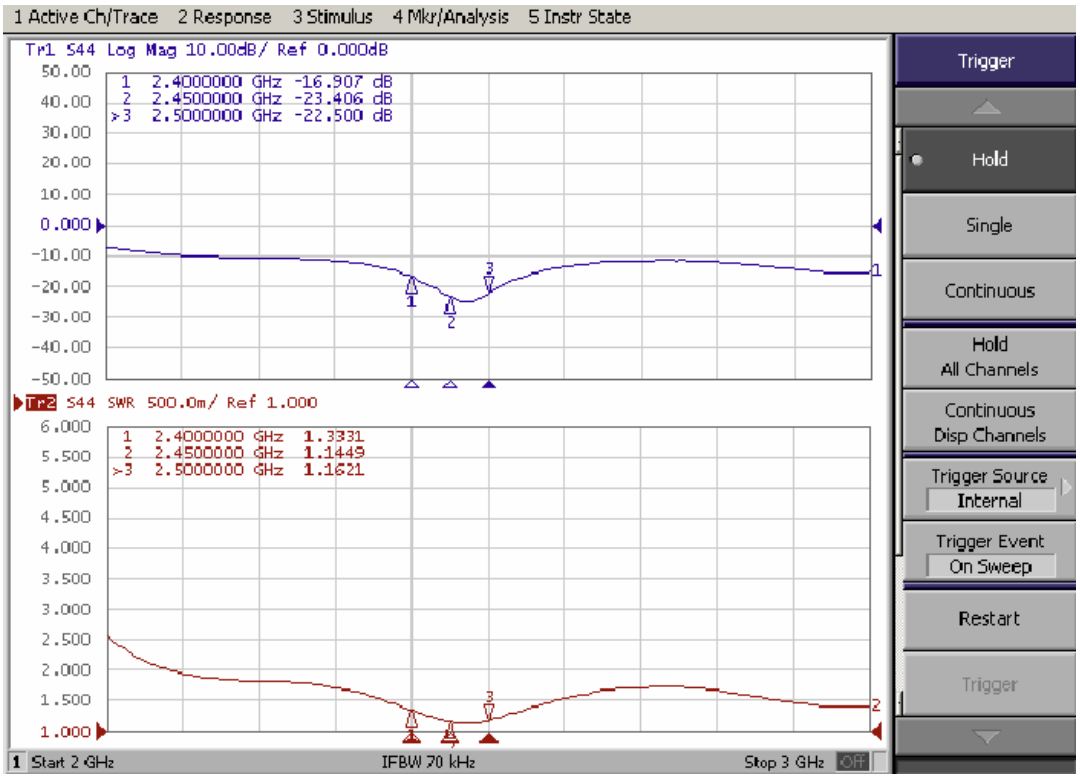
TITLE: 2.4GHz Antenna

PART NO.: NB030-13B-IX130 | DWG NAME: NB030-13B-IX130.DWG

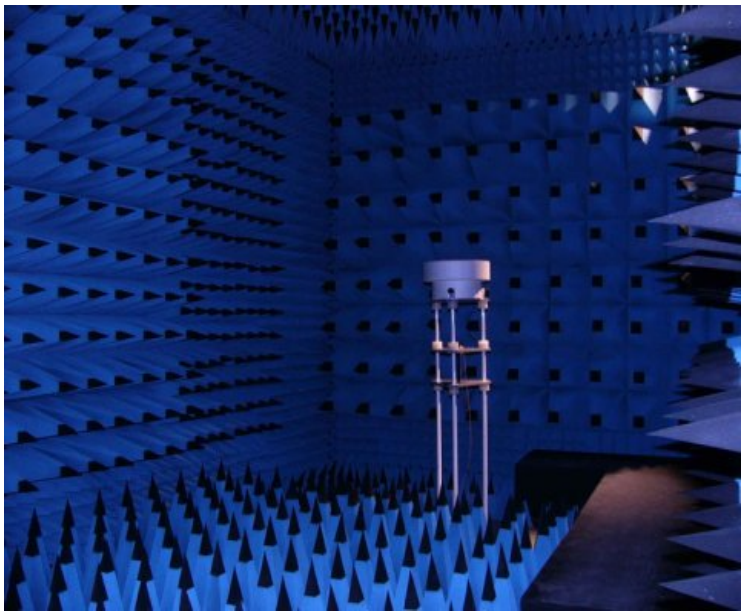
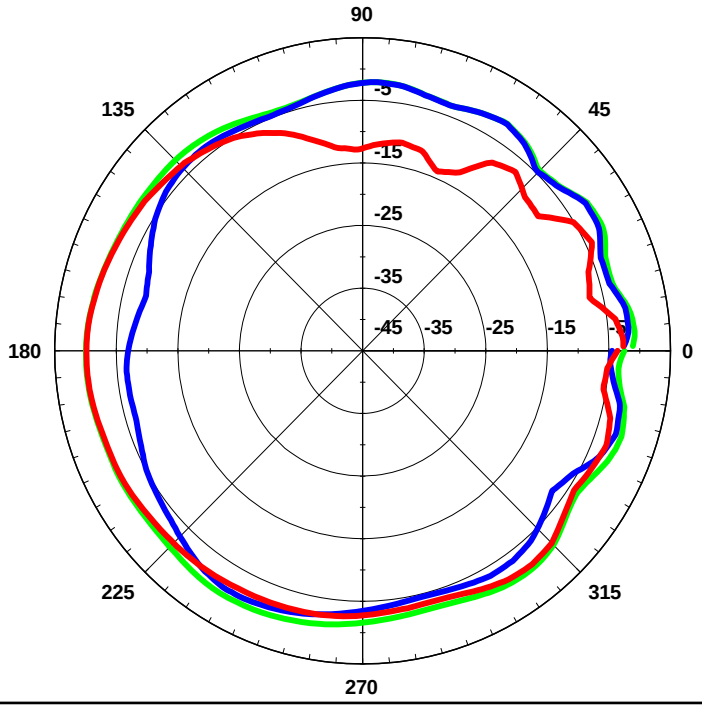
APPROVED BY	CHECKED BY	DESIDNED BY		Tolerance
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26	UNITS: mm SCALE: 1/1 REVISION: A	X.X ±0.20 X.XX ±0.10 X° ±3°

S 参 数 测 试
S Parameter Test

Agilent E5071C	



增 益 测 试
Gain Test

Antenna Radiation Pattern VS Gain(dBi)	
	

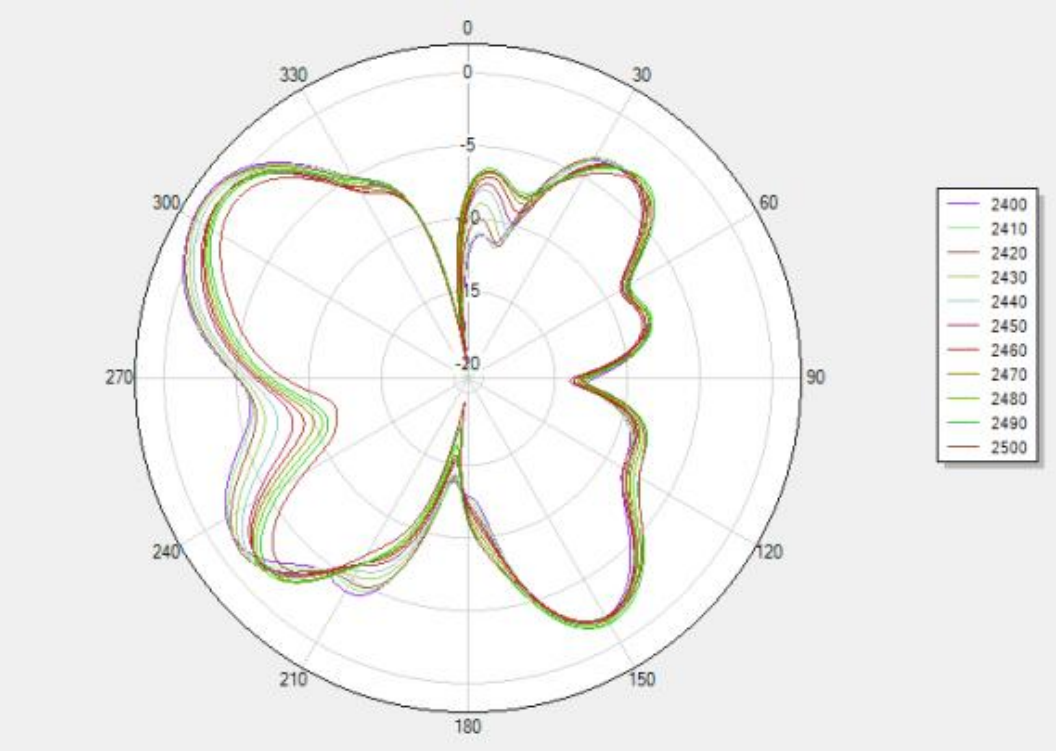
Test Results

Gain and Efficiency

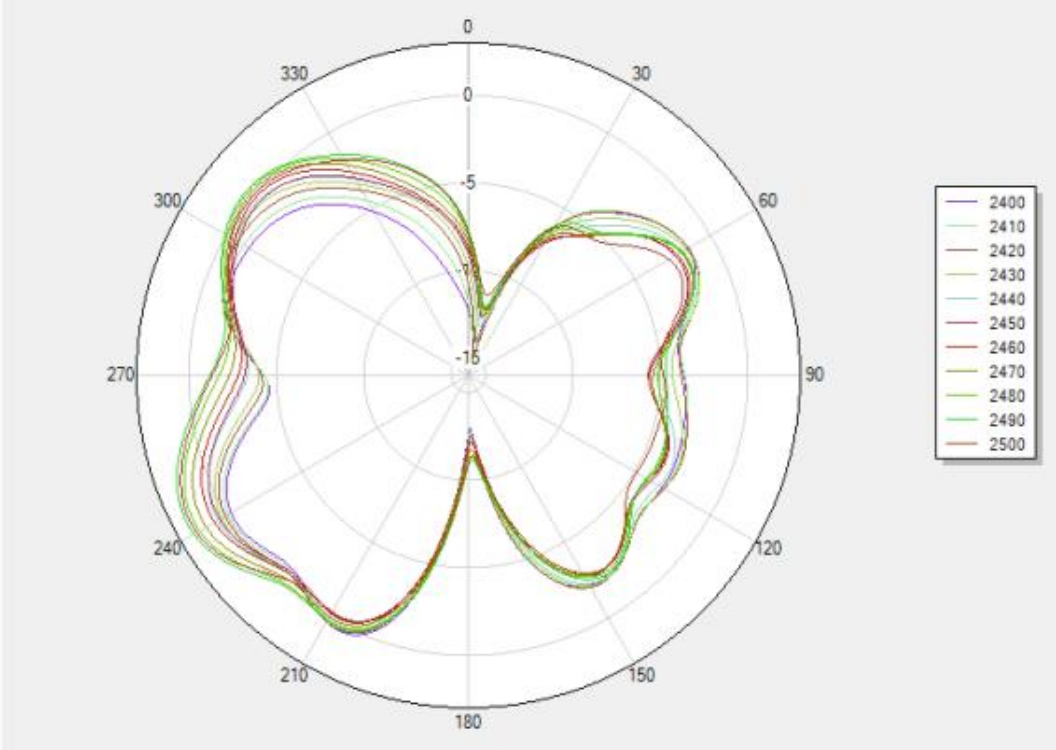
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400	1.62	52.29
2410	1.71	52.17
2420	1.93	53.14
2430	1.98	54.16
2440	2.00	57.62
2450	2.17	59.64
2460	2.45	61.55
2470	2.38	60.64
2480	2.54	62.86
2490	2.30	59.85
2500	2.49	60.41

Radiation Pattern

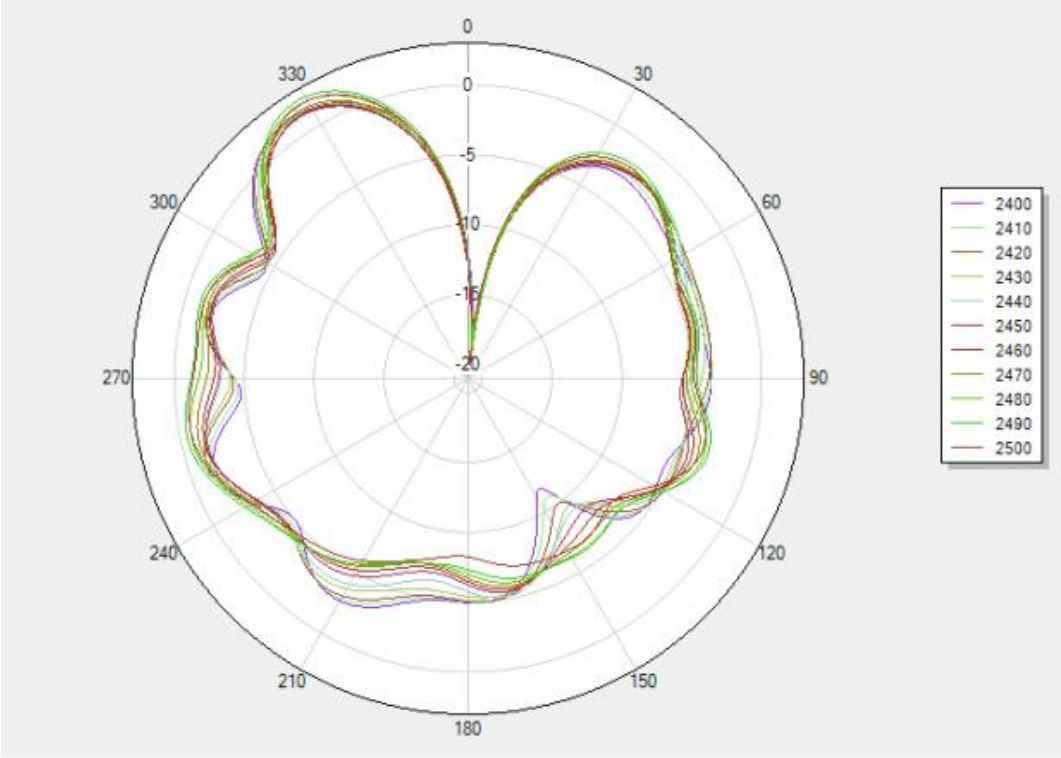
Phi 0 2D



Phi 90 2D



Theta 90 2D



2480MHz 3D