

本產品需符合  RoHS  SONY00259  其它  
 ※禁止使用本公司所禁用之有毒物質

A0	NEW DWG	寧小兵	07/07/27
REV	ECN.NO:	BY	DATE

-TOLERANCES-  
 UNLESS OTHERWISE SPECIFIED  
 公差參考

X.X	±0.20	X.X°	±3°
X.XX	±0.10	X.XX°	±1°
X.XXX	±0.05	X.XXX°	±0.5°

**LITE** 利德五金塑膠(深圳)有限公司  
 LITE METAL & PLASTIC (SHEN ZHEN) CO.,LTD.



TITLE:  
 產品名稱: 小S天線

DWG NO:  
 產品編號: CAR-ATR-180-001

DATE	SCALE	UNIT	PAGE
2007.07.27	FREE	mm	1

APPD:  
 核准:  
 CHECK:  
 審核:  
 DRAW:  
 繪圖: 寧小兵

# TECHNICAL DATA

## Material/Finish:

	Material	Finish
Connector body	Brass	Over Ni
Center PIN	Brass	Gold Plated 2U ”
Insulator	PTFE	None
Plastic	PC+PBT (black)	None
Plastic	TPEE (black)	None

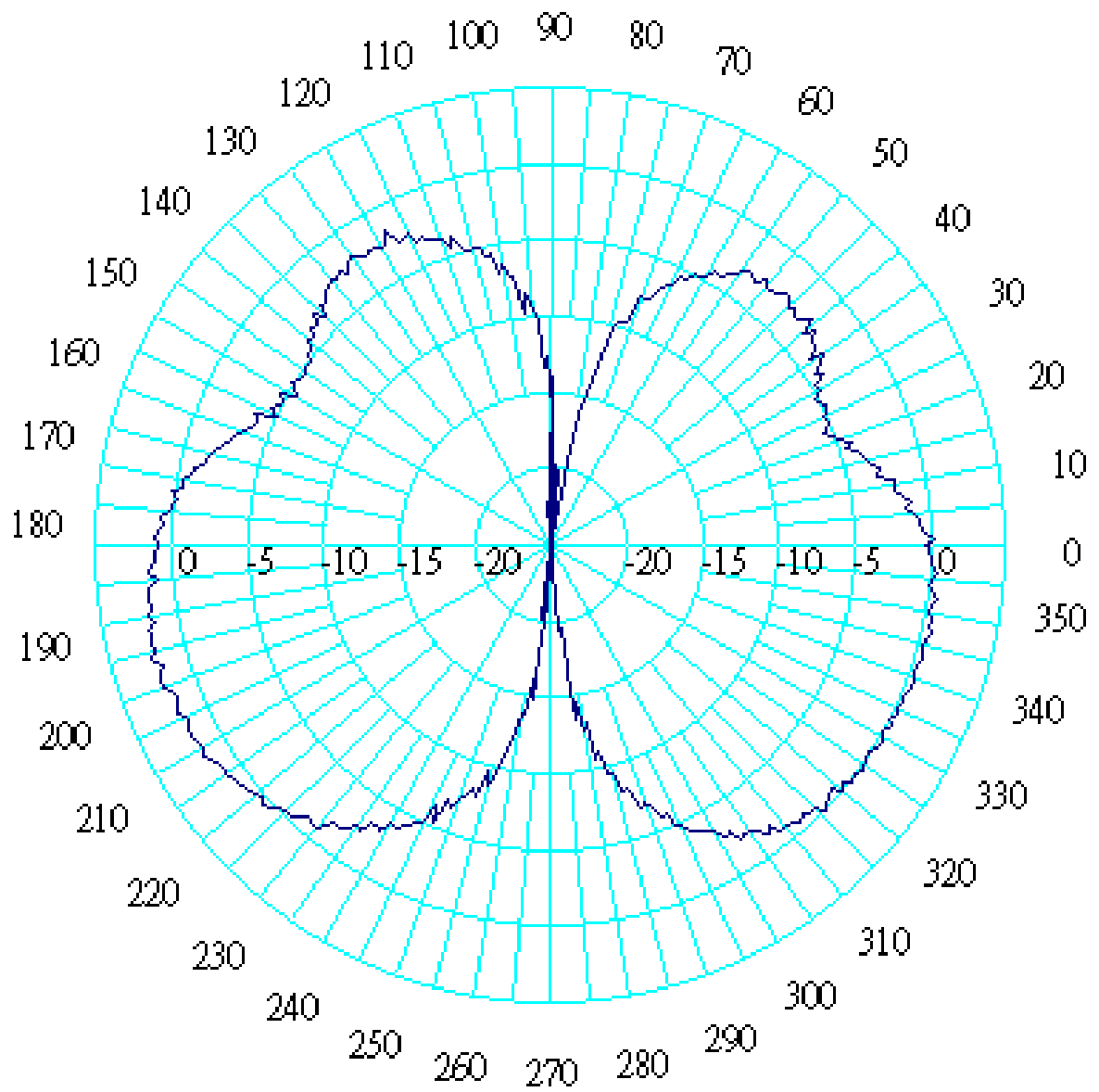
## Electrical:

Frequency Range	2.4-2.5GHz
Nominal Impedance	50
VSWR	2.0 MAX
Gain	2.0d Bi MIN
Radiation	Omni
Polarization	Vertical

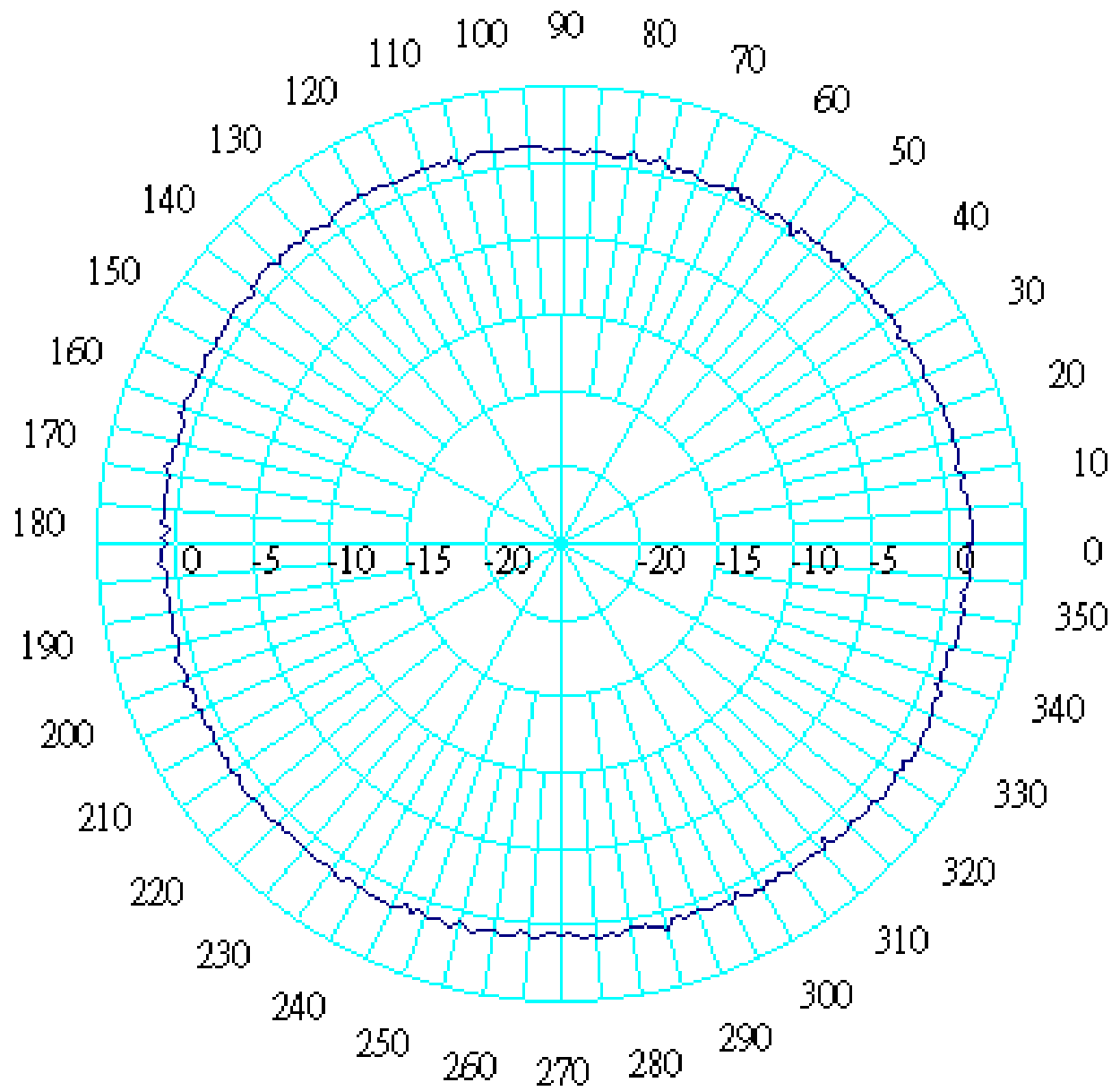
## Mechanical & Environmental

Durability	500 Cycles MIN
Temperature Range	-55 to +165
Relative Humidity	MIL-STD-202, method 106
Vibration	MIL-STD-202, method 213
Corrosion	MIL-STD-202, method 101

# E-Plane Field Pattern



# H-Plain Field Pattern



CH2 S22

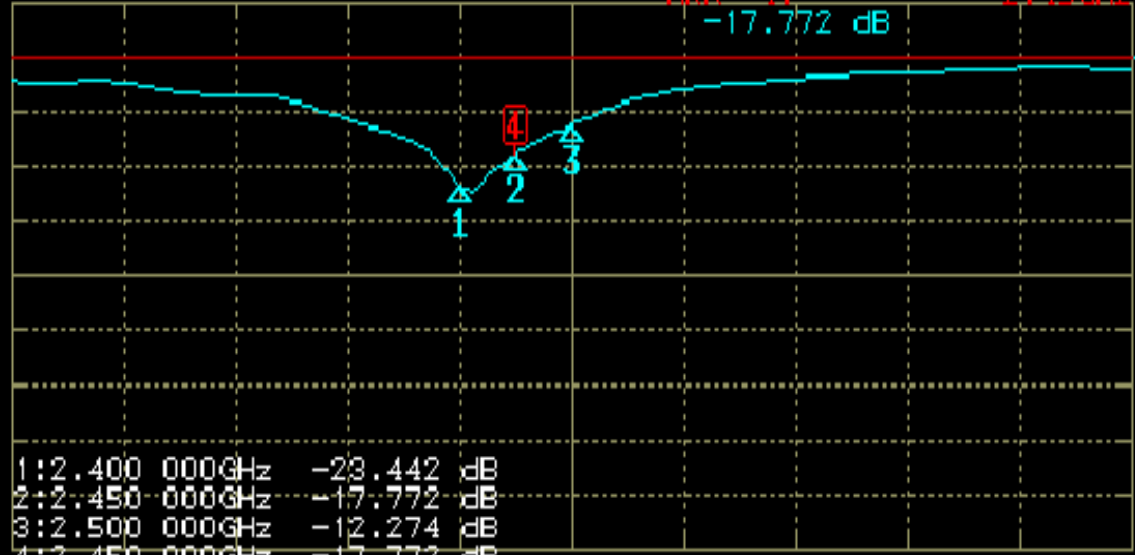
LOG MAG

REF 0.000 dB 10.000 dB/

MKR 4: 2.45GHz

-17.772 dB

Cor



1	2.400 000 GHz	-23.442 dB
2	2.450 000 GHz	-17.772 dB
3	2.500 000 GHz	-12.274 dB
4	2.450 000 GHz	-17.772 dB

CENTER 2.5GHz

[ 8.00 dBm ]

SPAN 1GHz

RECALL REG\_10

RECALL POWER OFF

LOAD FILE

More 2/4

CH2 S22

SWR

REF

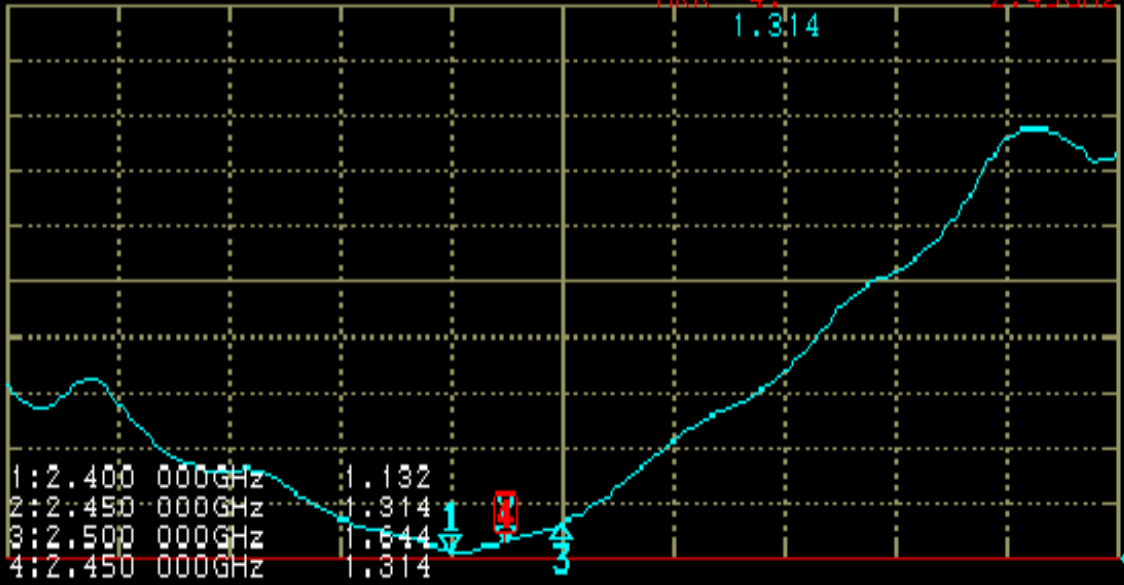
1.000

1.000 /

MKR 4: 1.314

2.45GHz

Cor



CENTER 2.5GHz

[ 8.00 dBm ]

SPAN 1GHz

LOG MAG & PHASE

LOG MAG & DELAY

LIN MAG & PHASE

More 2/2

CH2 S22

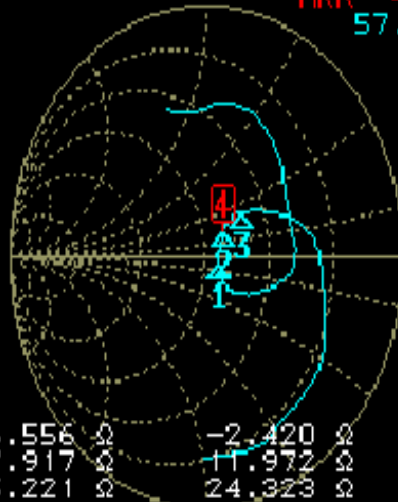
SMITH(G+jB)

FS 1.000

MKR 4:  
57.917 Ω

2.45GHz  
11.972 Ω

Cor



1:2.400 000GHz	56.556 Ω	-2.420 Ω	27.398pF
2:2.450 000GHz	57.917 Ω	11.972 Ω	777.725pH
3:2.500 000GHz	65.221 Ω	24.323 Ω	1.548nH
4:2.450 000GHz	57.917 Ω	11.972 Ω	777.725pH

CENTER 2.5GHz

[ 8.00 dBm ]

SPAN 1GHz

SMITH (G+jB)

POLAR

LIN MAG

More 1/2