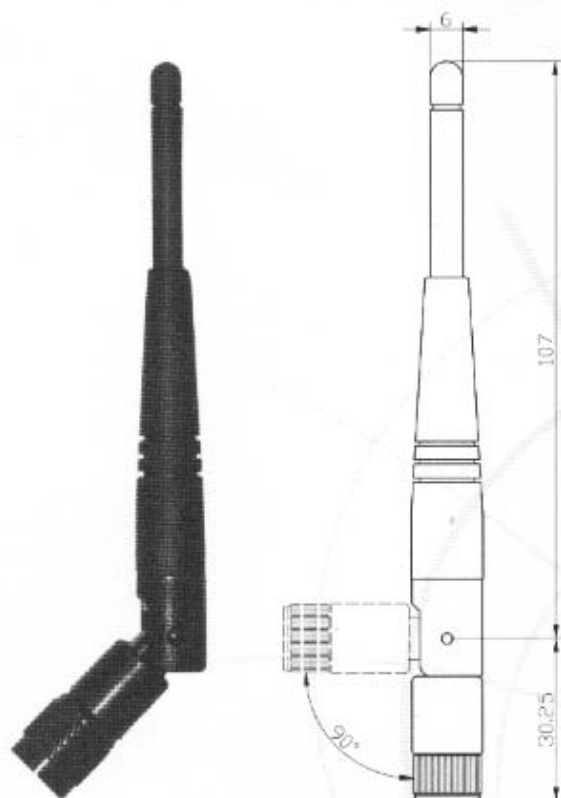


2.4GHz Swivel Antenna

IW-144



Unit: mm

TECHNICAL DATA

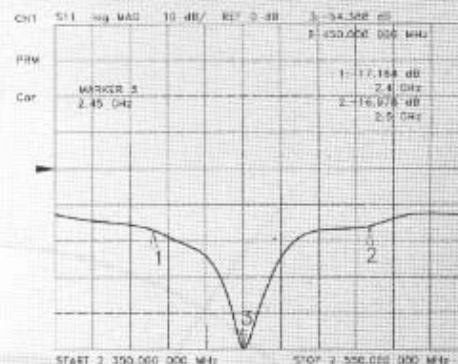
●Electrical Properties

Frequency Range	: 2.4 ~ 2.5GHz
Impedance	: 50 Ohms nominal
SWR	: ≤ 2.0
Gain	: 2.0 dBi
Radiation	: Omni
Polarization	: Vertical
Electrical Wave	: $1/4 \lambda$ Dipole

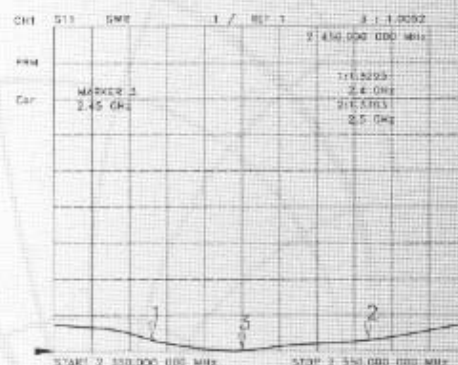
●Mechanical Properties

Standard Connector	: Reverse SMA or Reverse TNC
Antenna Cover	: Polyurethane
Swivel Mechanism	: Polycarbonate
Color	: Black
Operation Temperature	: -20°C ~ +65°C
Storage Temperature	: -30°C ~ +75°C

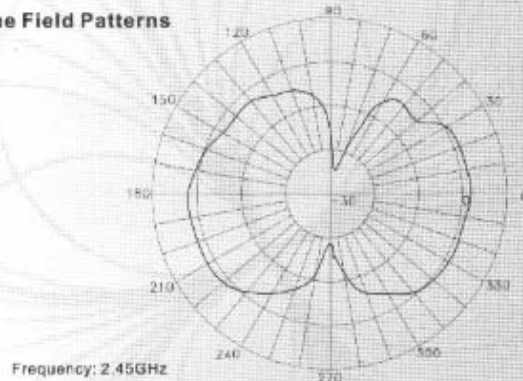
Return Loss



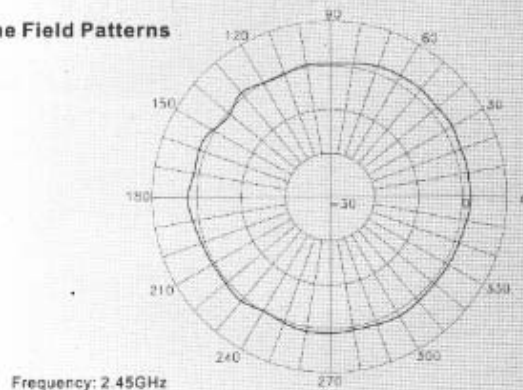
SWR

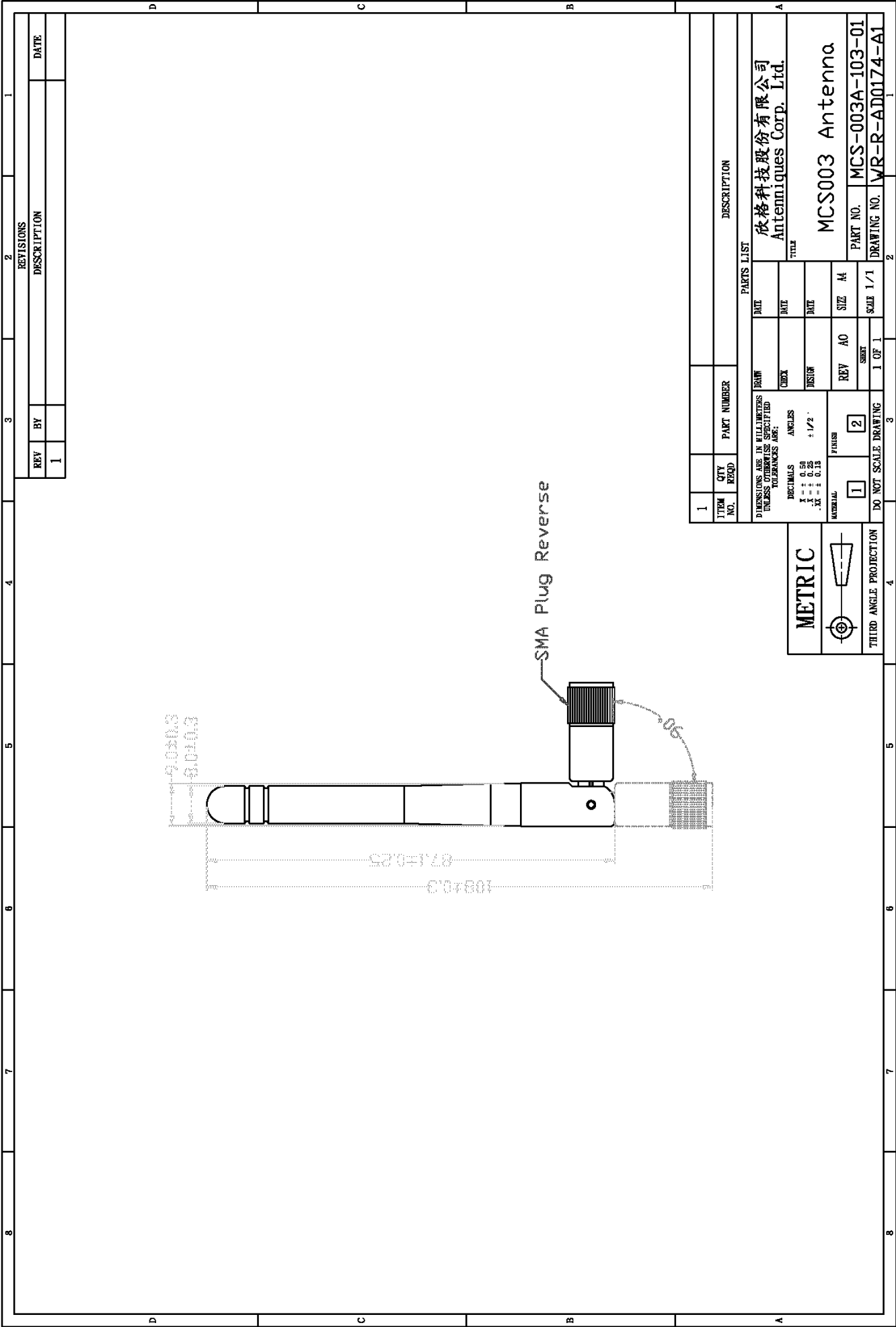


E-Plane Field Patterns



H-Plane Field Patterns





TECHNICAL DATA

● Electrical Properties

Frequency Range : 2.4~2.5GHz

Impedance : 50 Ohm nominal

VSWR : ≤ 2.0

Gain : 3dBi

Radiation : Omni

Polarization : Vertical

Electrical Wave : $\lambda/4$ Dipole

Connector : SMA Plug Reverse

● Mechanical Properties

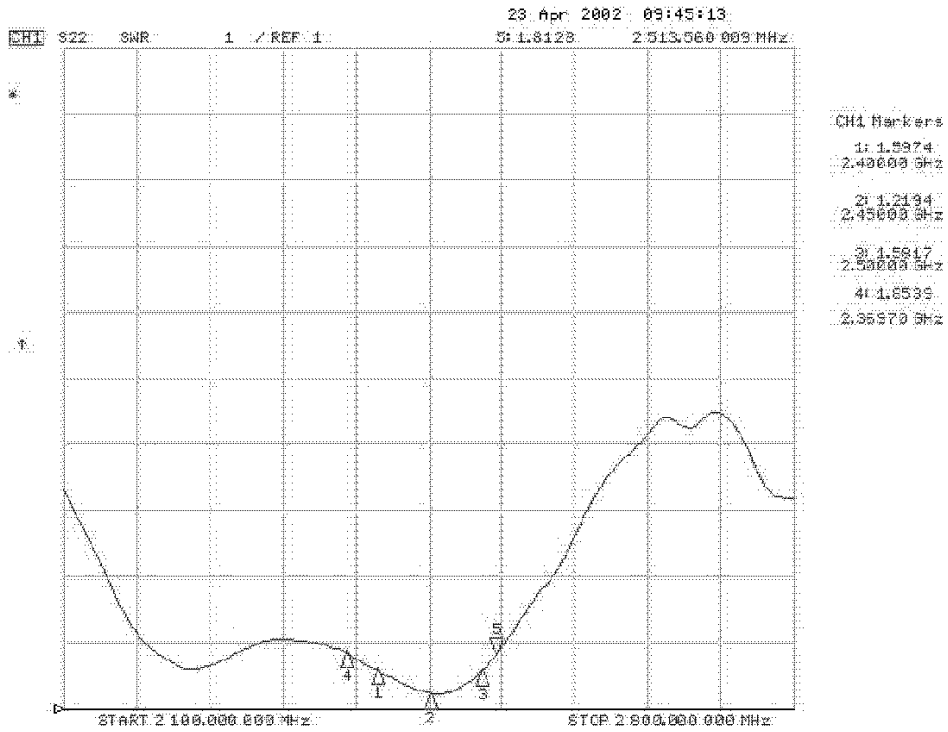
Antenna Cover : PU

Color : Black

Operation Temperature : $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Storage Temperature : $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

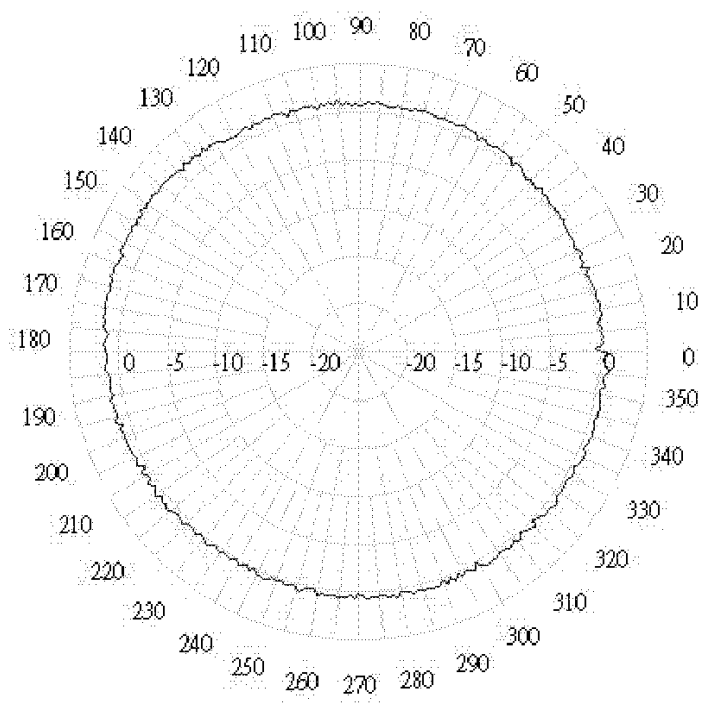
VSWR



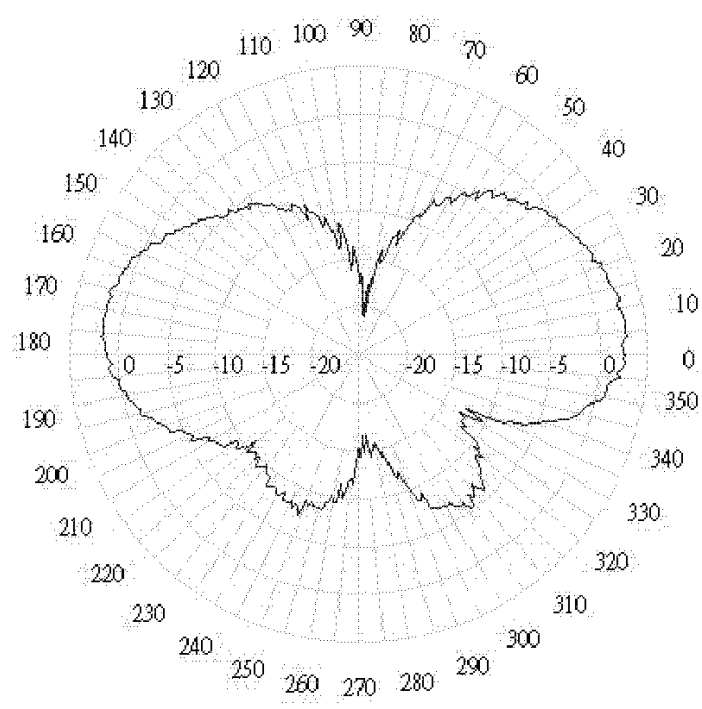
Return Loss



H-Plane

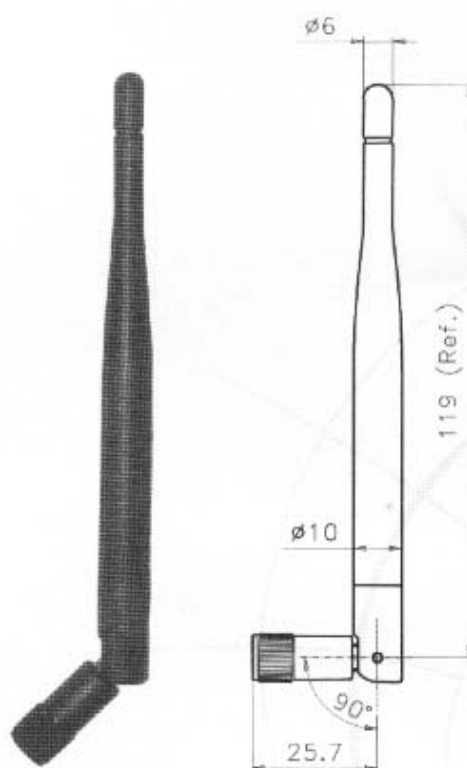


E-Plane



2.4GHz Swivel Antenna

IW-152



Unit: mm

TECHNICAL DATA

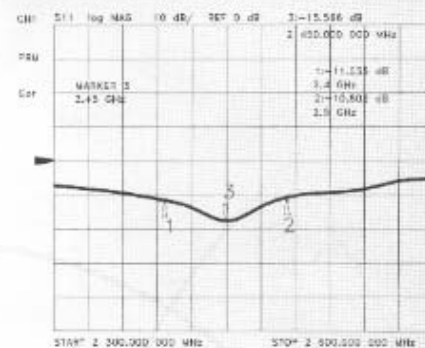
●Electrical Properties

Frequency Range	: 2.4 ~ 2.5GHz
Impedance	: 50 Ohms nominal
SWR	: ≤ 2.0
Gain	: 4.0 dBi
Radiation	: Omni
Polarization	: Vertical

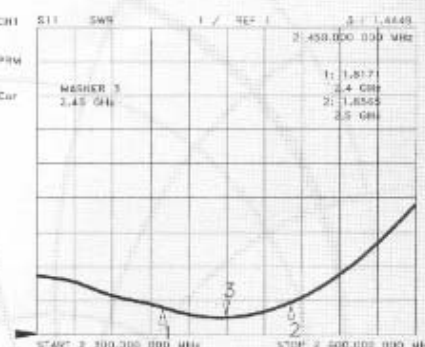
●Mechanical Properties

Connector	: Reverse SMA
Antenna Cover	: Polyurethane
Swivel Mechanism	: Polycarbonate
Color	: Black
Operation Temperature	: -20° C ~ +65° C
Storage Temperature	: -30° C ~ +75° C

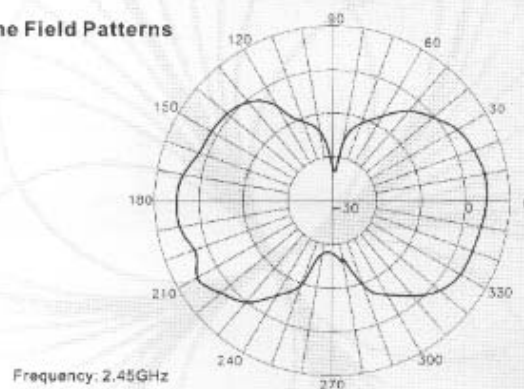
Return Loss



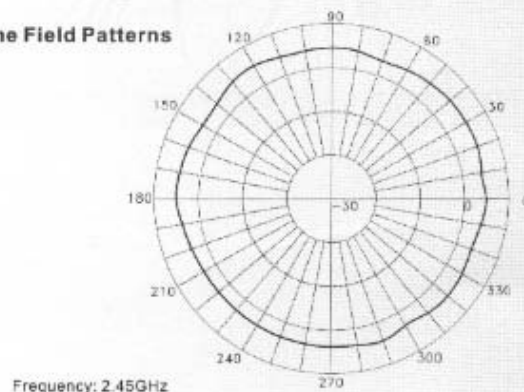
SWR



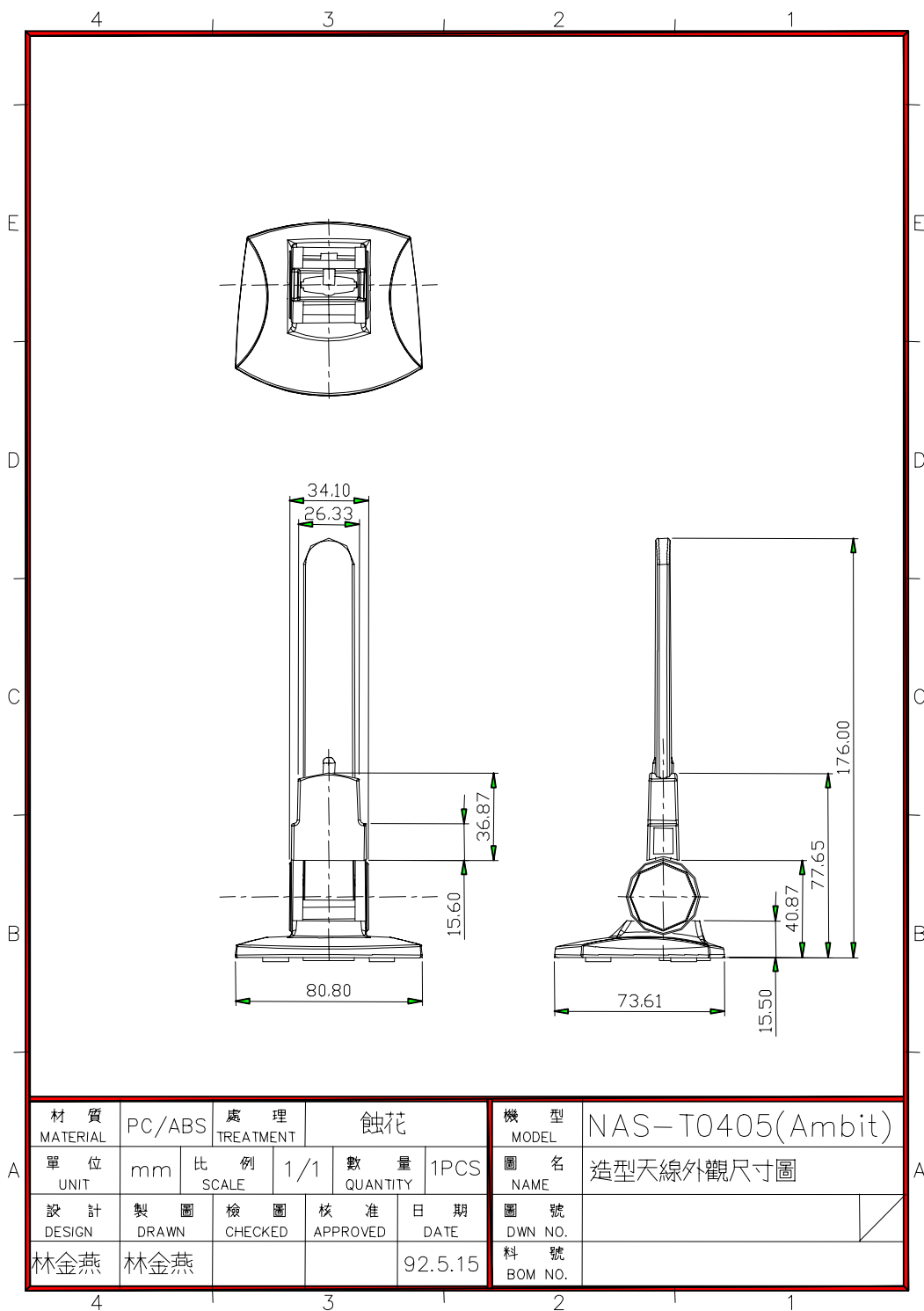
E-Plane Field Patterns



H-Plane Field Patterns



Dimension



Antenna

Electric properties

- | | |
|------------------------------------|---|
| 1. Frequency Range..... | 2.4~2.4835GHz
5.15~5.35GHz
5.725~5.825Ghz |
| 2. Impedance..... | 50 Ohms nominal |
| 3. SWR..... | ≤ 2.0 |
| 4. Return Loss..... | ≤ -10 dB |
| 5. Antenna Gain..... | 4 dBi@2.4Ghz
5 dBi@5Ghz |
| 6. Total Gain with Cable Loss..... | ≤ 1.5 dBi@2.4Ghz
≤ 1.5 dBi@5.2Ghz
≤ 1.0 dBi@5.7Ghz |
| 7. Polarization..... | Vertical |
| 8. Cable..... | RG-316 |
| 9. Cable Length..... | 150cm |

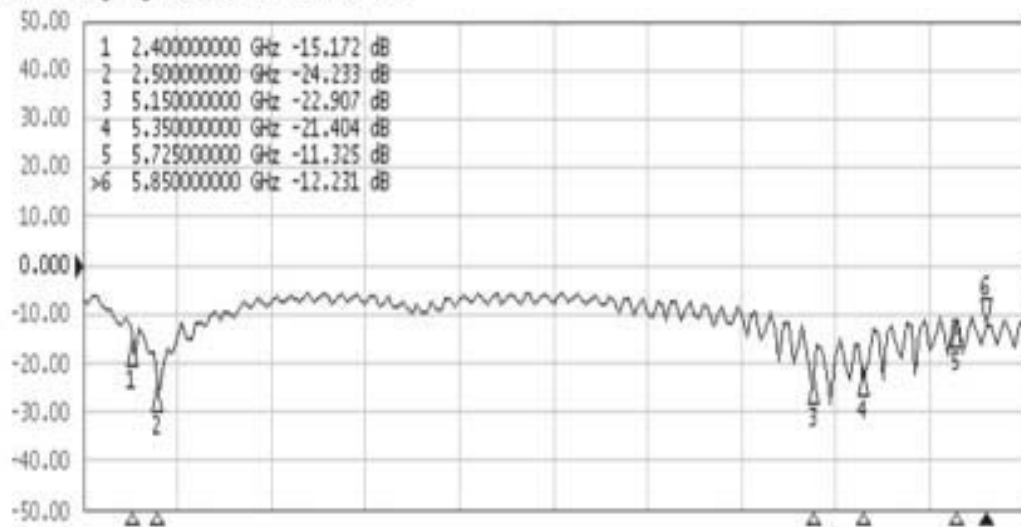
Mechanical Properties

- | | |
|-------------------------------|------------|
| 1. Connector Type..... | SMA M(rp) |
| 2. Material..... | ABS+ PC |
| 3. Color..... | White |
| 4. Operation Temperature..... | -20°C+65°C |
| 5. Storage Temperatue..... | -30°C+80°C |
| 6. Weight..... | 143g |

Test Report

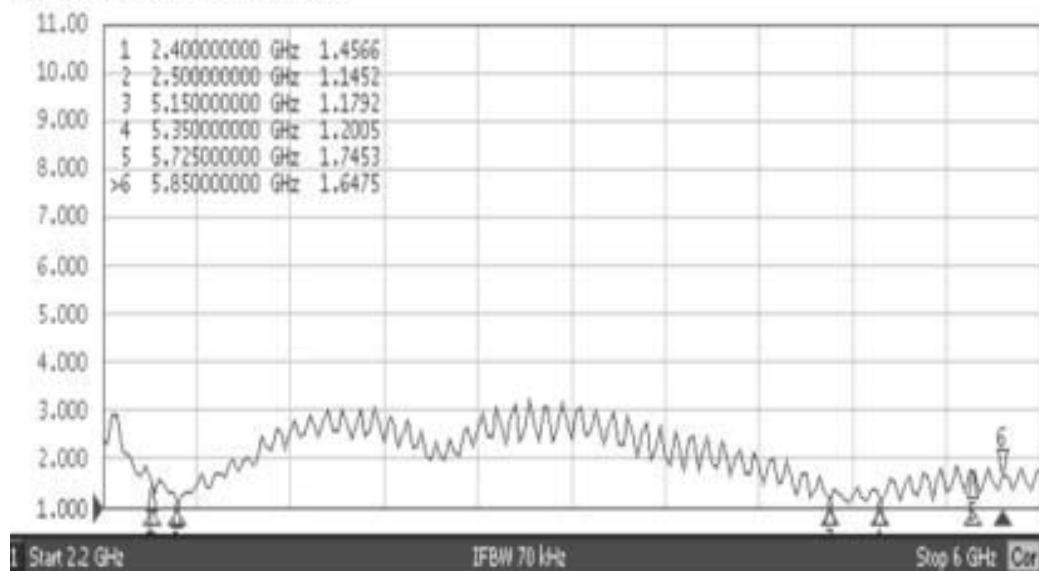
Return Loss

Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB [R0]



SWR

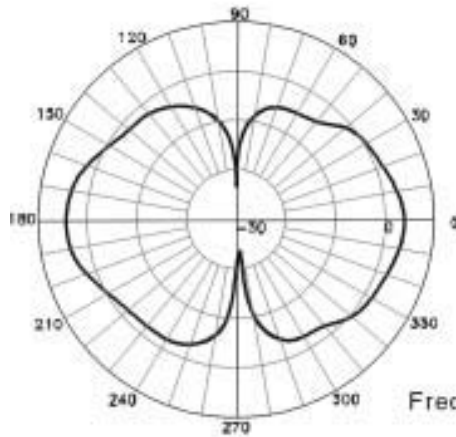
Tr2 S44 SWR 1.000/ Ref 1.000 [R0]



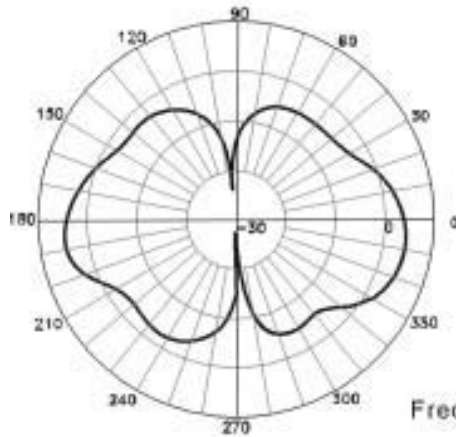
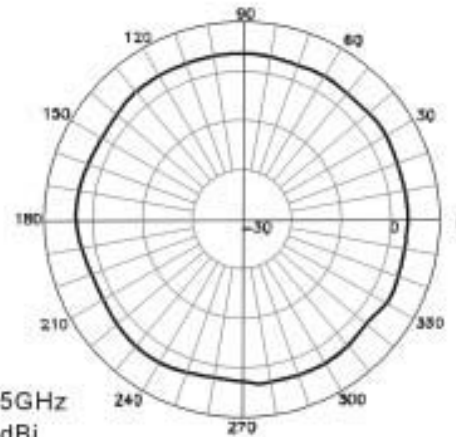
Test Report

E-Plane Field Patterns

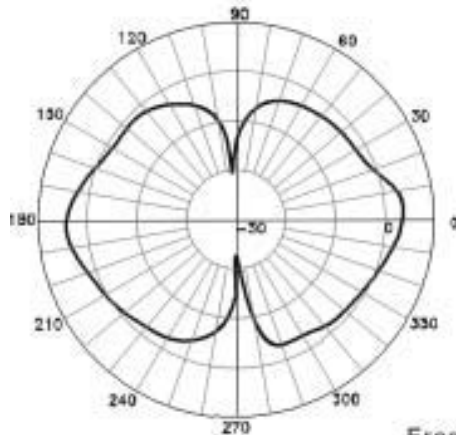
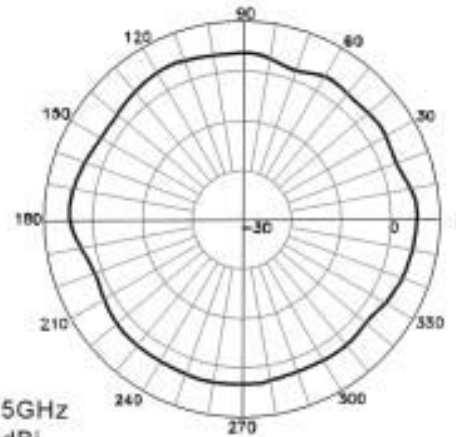
H-Plane Field Patterns



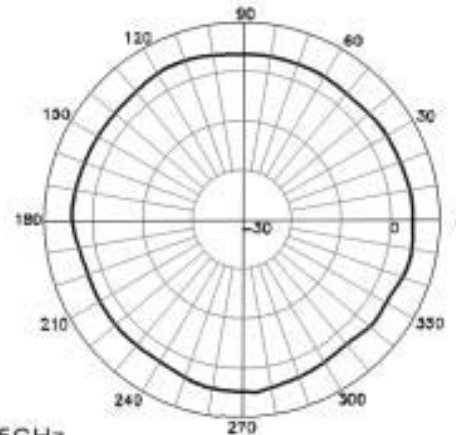
Frequency: 2.45GHz
Gain: 4.0dBi



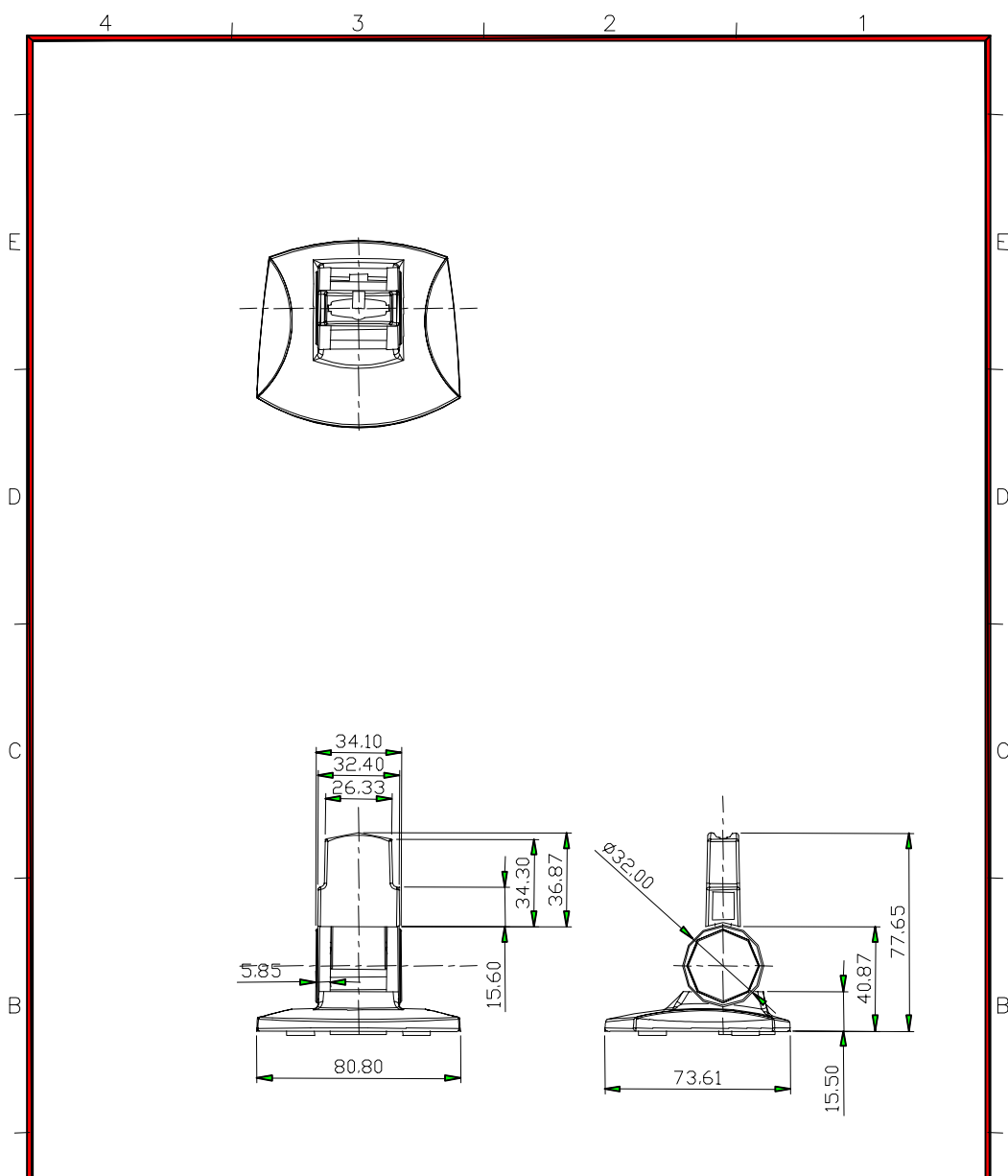
Frequency: 5.25GHz
Gain: 5.0dBi



Frequency: 5.75GHz
Gain: 4.5dBi



Dimension



材 質 MATERIAL	PC/ABS	處 理 TREATMENT	蝕花	機 型 MODEL	NAS-T0405(Ambit)
單 位 UNIT	mm	比 例 SCALE	1/1	圖 名 NAME	天線座外觀尺寸圖
設 計 DESIGN	製 圖 DRAWN	檢 圖 CHECKED	核 准 APPROVED	圖 號 DWN NO.	
林金燕	林金燕			料 號 BOM NO.	