



# WIFI-Link Technologies, Inc

NO.25 , CHUNG-YAUNG ROAD , YUNG-KANG CITY , TAINAN HSIEN, TAIWAN , R.O.C

TEL: +886-6-2819815 FAX : +886-6-2819752

## SPECIFICATION

### WLP-2450-16

Panel 16dBi Gain Wireless  
LAN Antenna with 2.3GHz  
to 2.5GHz Frequency

#### SUMMARY:

This panel antenna delivers extended access point range in a single floor environment ideally positioned in the corner of a building. It functions from point-to-point so that you can wirelessly connect LANs between the buildings in a campus-type environment. It provides multi-form transmission when placed on a ceiling, as the higher power output extends the range through typical flooring materials.

- Designed for long distance wireless communications
- Mounts easily for outside applications
- Designed to obtain maximum gain
- Made with weatherproof and corrosion resistant material

### Technical information

|           |                |
|-----------|----------------|
| Frequency | 2400 - 2583MHz |
|-----------|----------------|

|      |        |
|------|--------|
| Gain | 16 dBi |
|------|--------|

|              |          |
|--------------|----------|
| Polarization | Vertical |
|--------------|----------|

|                                     |                  |
|-------------------------------------|------------------|
| Beamwidth deg vertical & horizontal | Horz.70°Vert.27° |
|-------------------------------------|------------------|

|     |          |
|-----|----------|
| SWR | ≤1.5 : 1 |
|-----|----------|

|           |        |
|-----------|--------|
| Impedance | 50 Ohm |
|-----------|--------|

### Dimensions

|        |                  |
|--------|------------------|
| Length | L454×W134×H30 mm |
|--------|------------------|

|        |      |
|--------|------|
| Weight | 800g |
|--------|------|

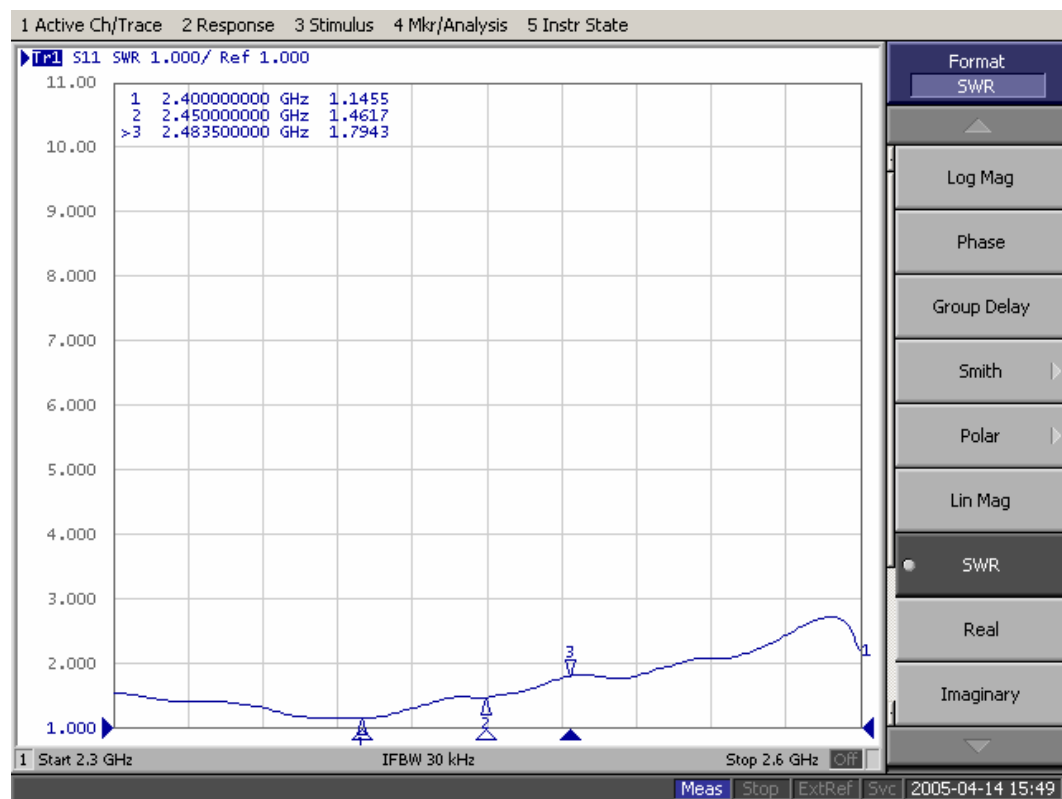
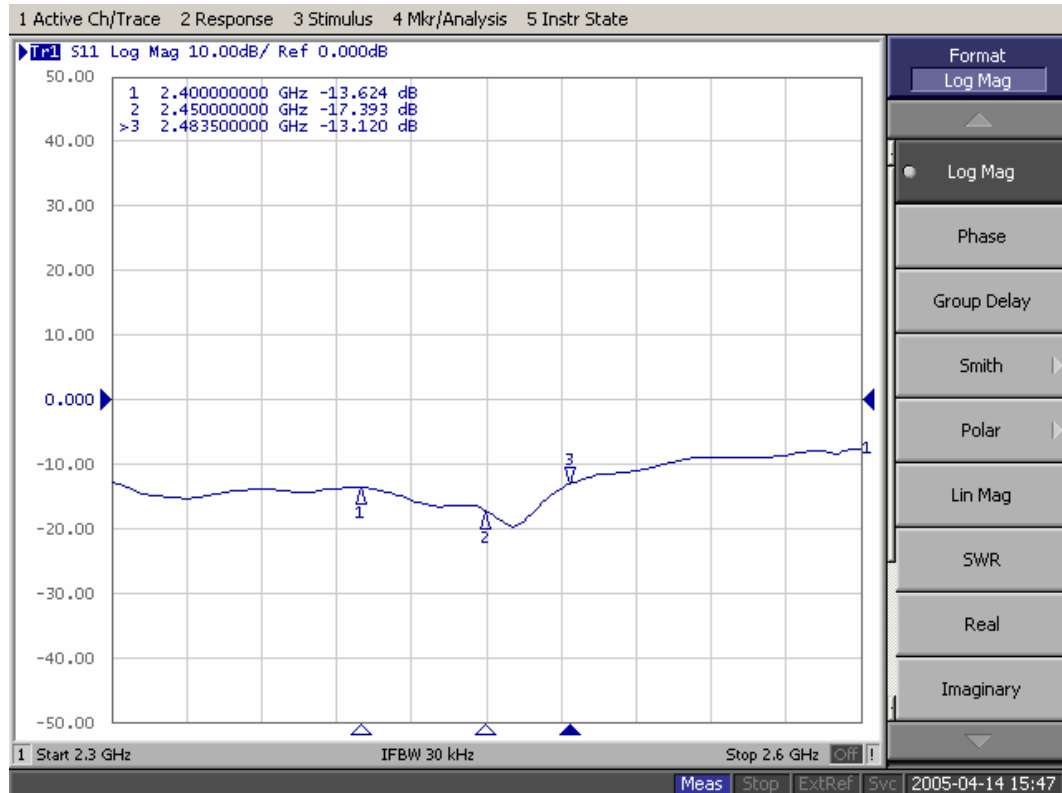
|           |                 |
|-----------|-----------------|
| Connector | N-type / female |
|-----------|-----------------|



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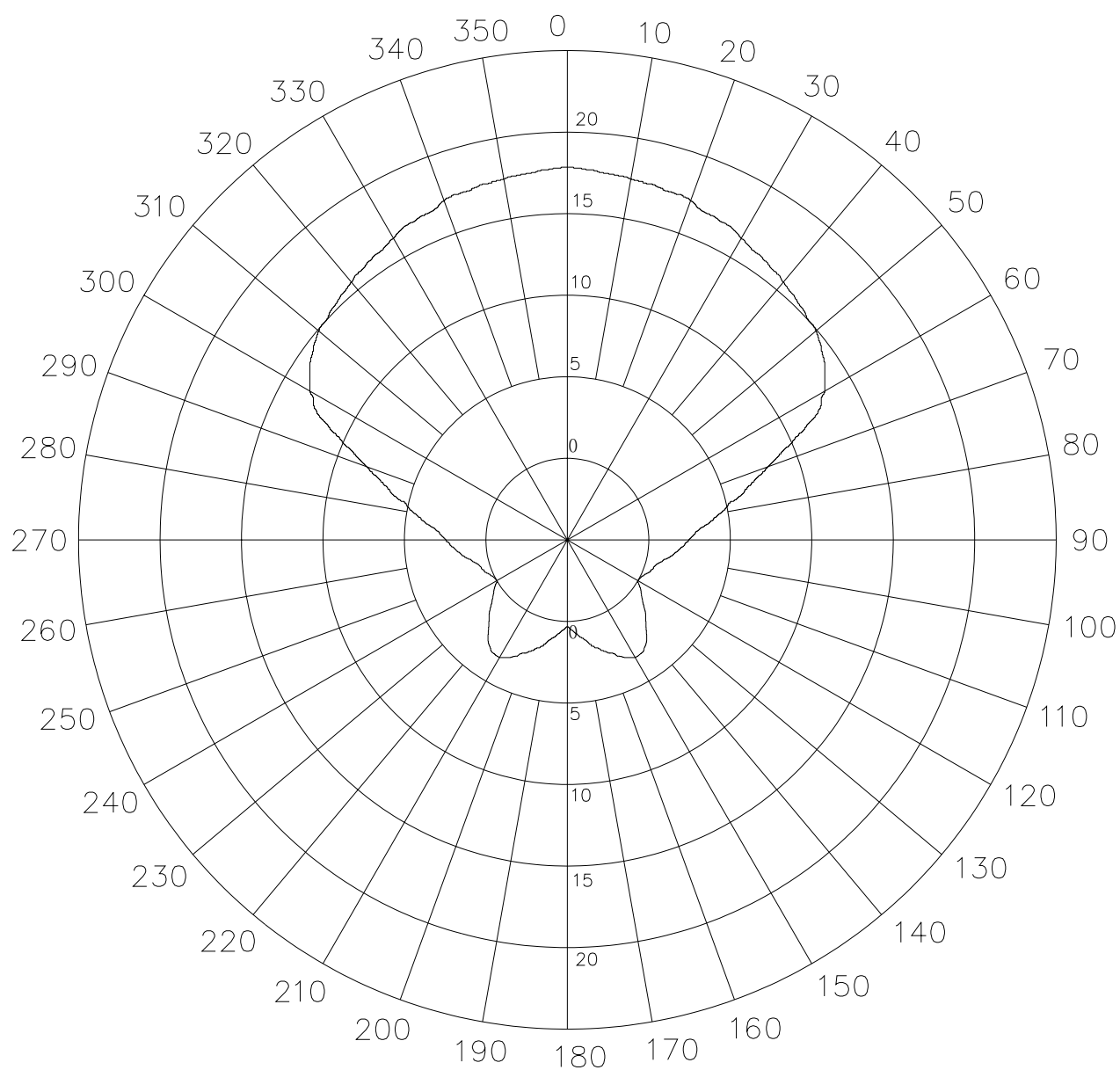


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## H-PLANE FIELD PATTERNS



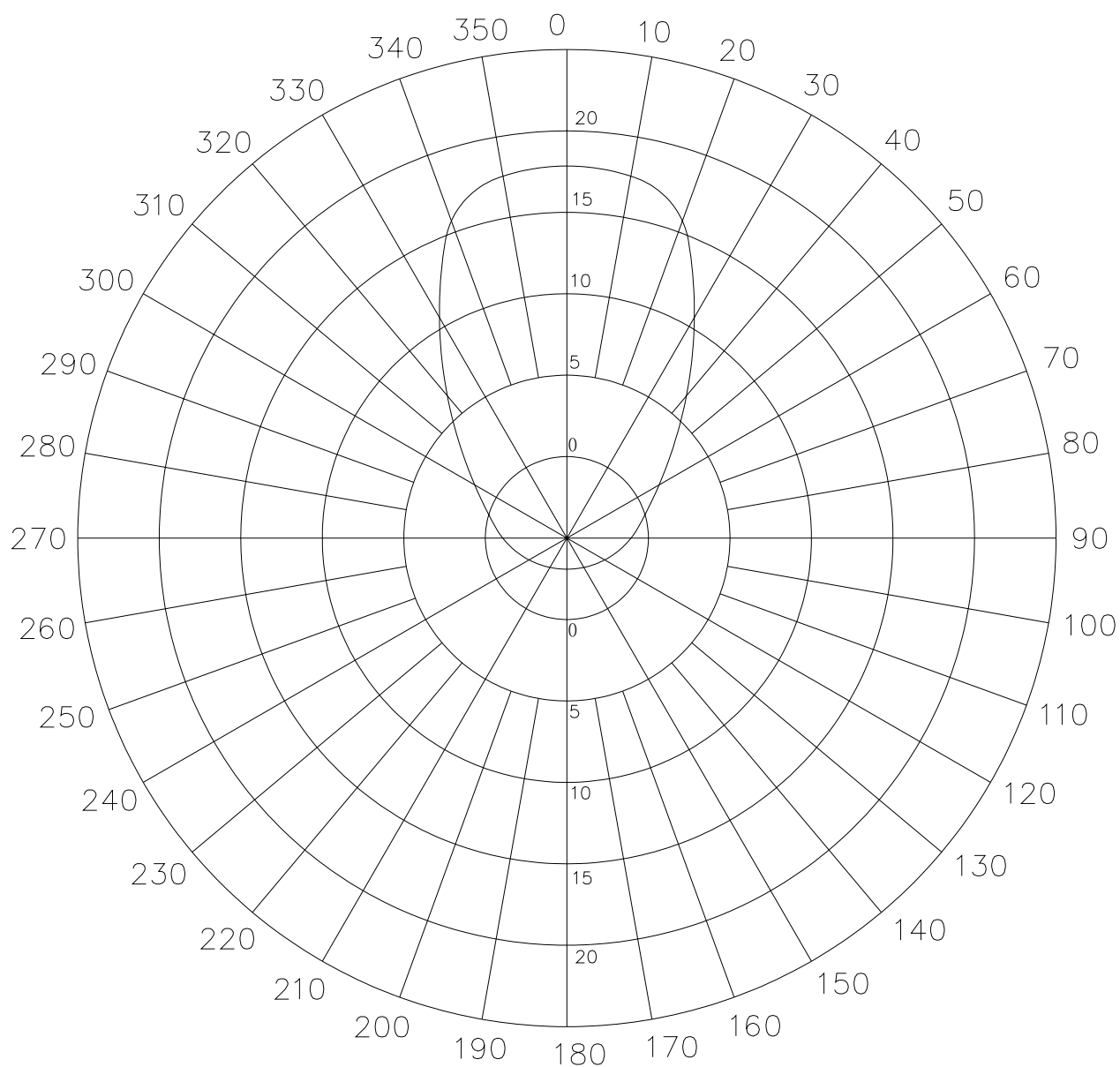


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## E-PLANE FIELD PATTERNS





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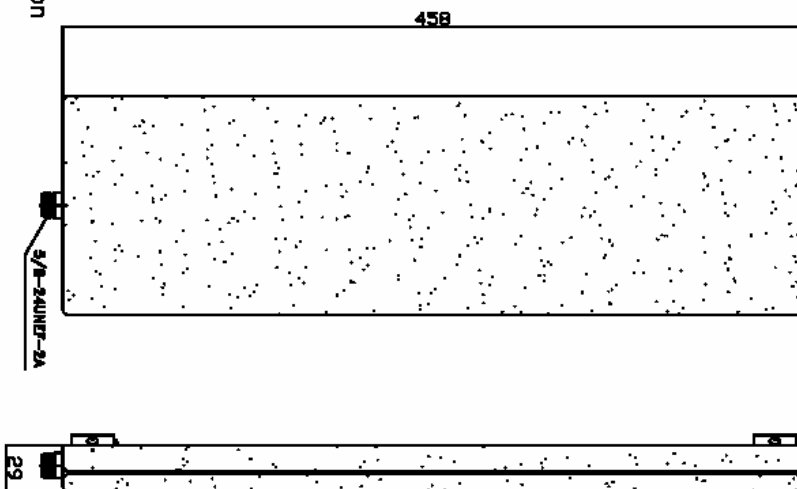
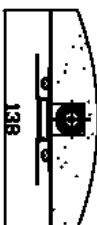
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| REV | DESCRIPTION | DRAWN | DATE |
|-----|-------------|-------|------|
|     |             |       |      |
|     |             |       |      |

## Key Specifications/Special Features:

- \* Panel antenna designed for wireless LAN communication
- \* Mounts easily for indoor or outside application
- \* Designed to obtain maximum gain

|   |               |                     |        |      |
|---|---------------|---------------------|--------|------|
| 8 | Gain (dBi)    | 16                  | Weight | 800g |
| 7 | Type          | Panel               | Mount  | N/A  |
| 6 | Polarization  | Vertical            |        |      |
| 5 | Beamwidth deg | Horz. 70° Vert. 27° |        |      |
| 4 | SWR           | ≤1.5:1              |        |      |
| 3 | Frequency     | 2400~2485MHz        |        |      |
| 2 | Connector     | N-Female            |        |      |
| 1 | Size          | 166mm*346mm         |        |      |



UNLESS OTHERWISE SPECIFIED  
 1. REMOVE ALL BURRS  
 2. FINISH ALL CORNERS &  
 3. CHAMFER 0.15" MAX  
 4. DIMENSIONS ON COMMON  
 5. ALL DIMENSIONS ARE  
 AFTER PLATING.

UNLESS OTHERWISE  
 NOTED TOLERANCES  
 0.5-6=±0.2  
 6-30=±0.4  
 30-120=±0.6  
 120-318=±1.0  
 ANGLES=±1°

|          |         |                                                             |
|----------|---------|-------------------------------------------------------------|
| APPROVED | CHECKED | TITLE                                                       |
|          |         | 16dBi Gain Wireless LAN Panel Antenna                       |
|          | DRAWN   | DRAWING NO.                                                 |
|          | PEN     | WLP-2450-16                                                 |
|          |         | REV A                                                       |
|          |         | FILE: NCP\16dBi Gain Wireless LAN Panel Antenna\WLP-2450-16 |

