

# **M/N: WIFI 5G**

## **antenna test report**

Shenzhen Xiangboyi Technology Co. Ltd

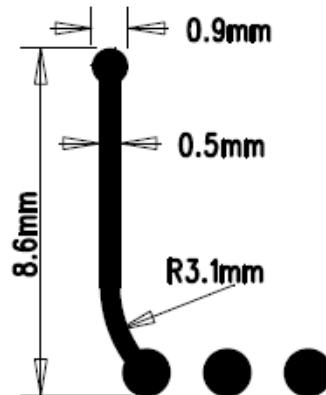
Jeany Ling

Nov. 23, 2022

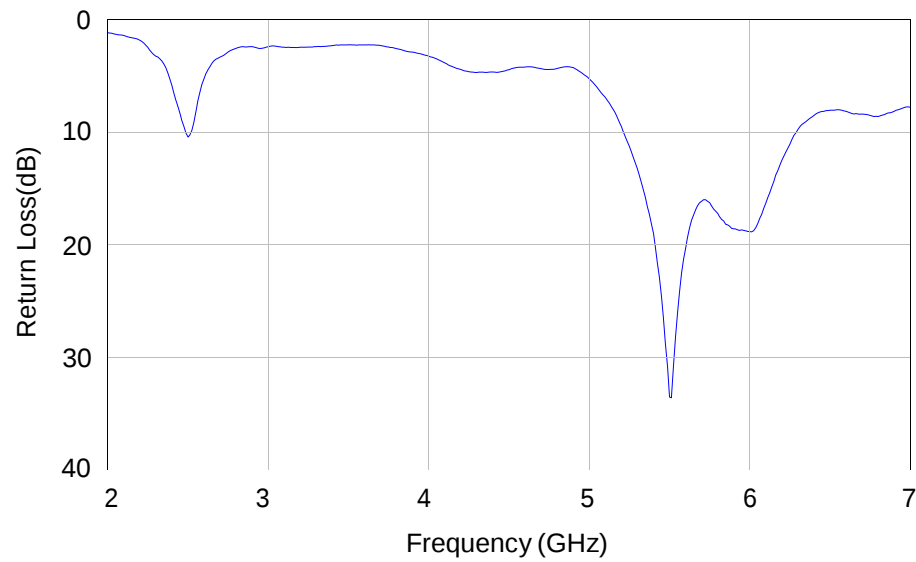
- Antenna structure

- Photo

# WIFI\_5G\_ANT



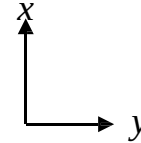
- **Return Loss**



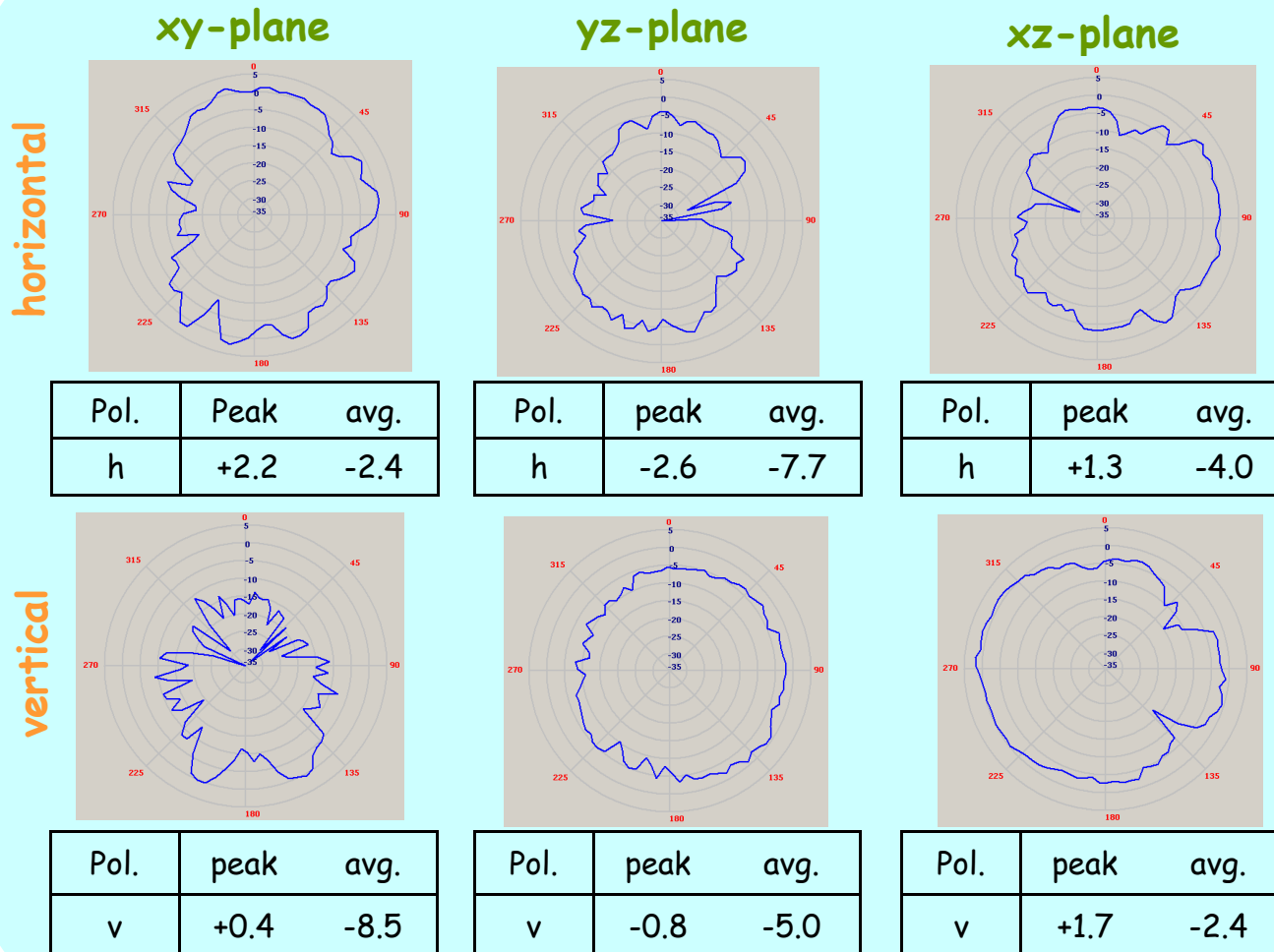
\* C4=C5=NC, L1=0ohm

- **Radiation Patterns**

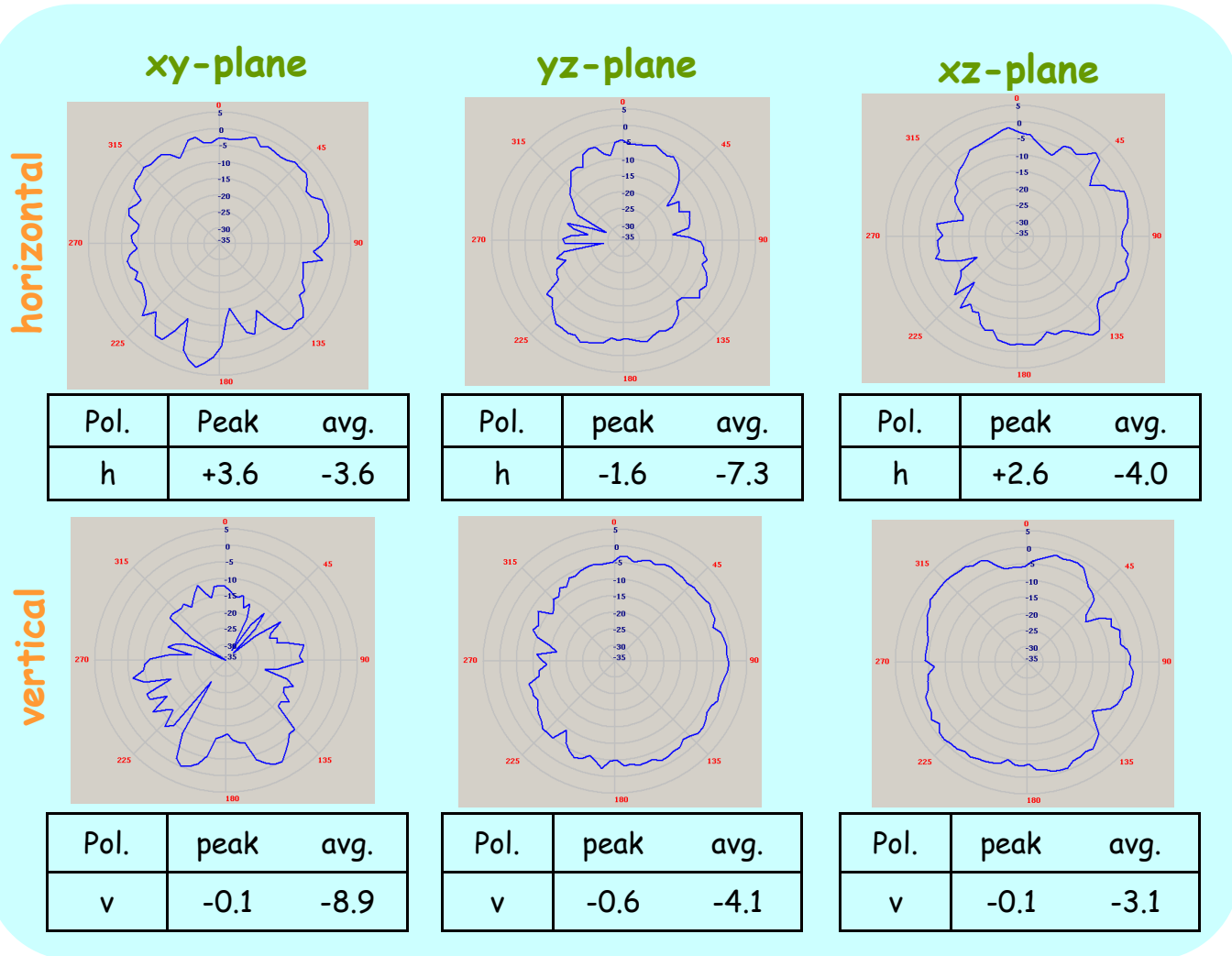
- Frequency : 5150MHz, 5500MHz, 5850MHz and 5925MHz
- Test plane : xy-plane, xz-plane and yz-plane
- Input power : SG 0dBm
- Horn h: horizontal polarization
- Horn v: vertical polarization



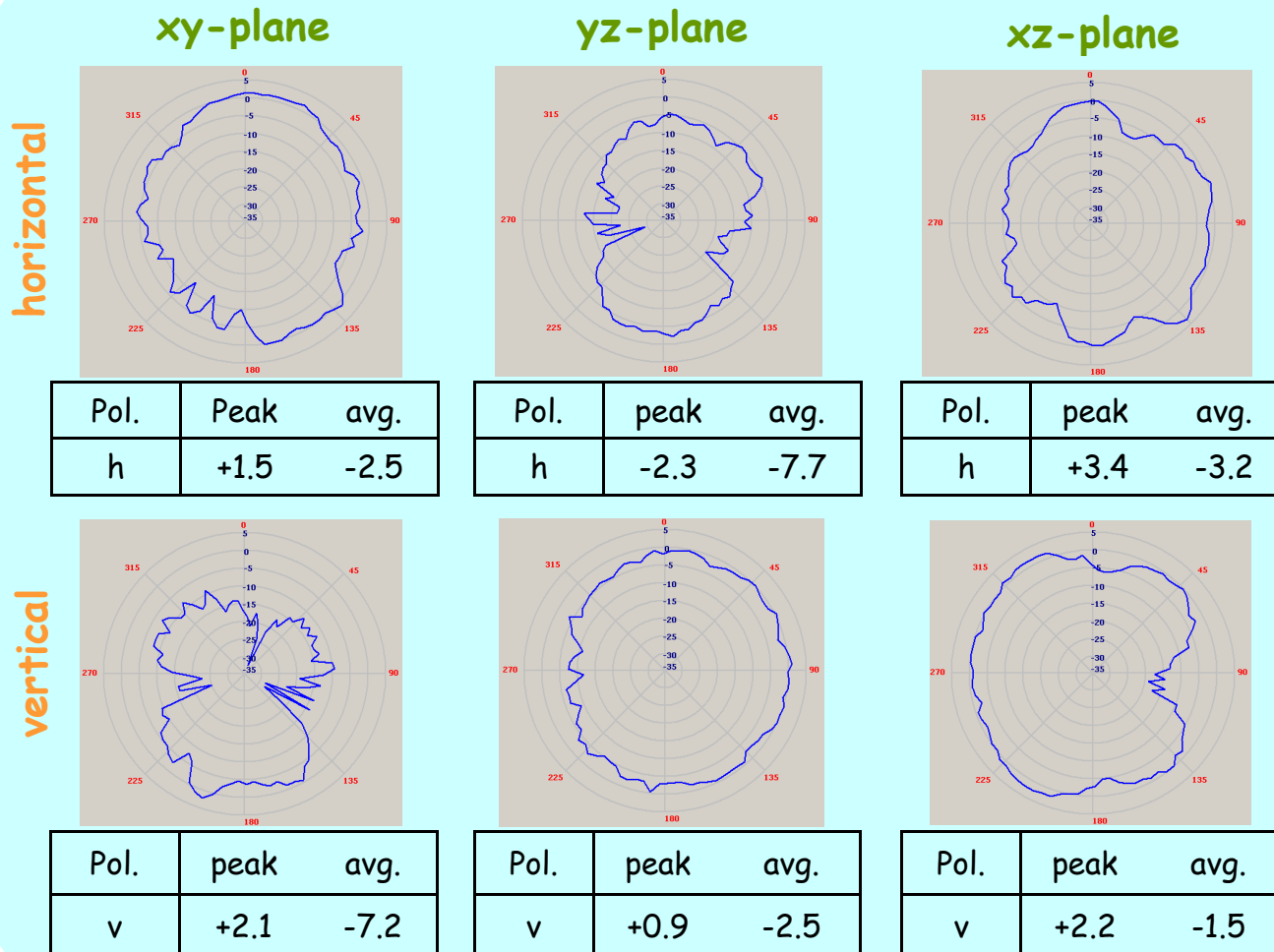
- Radiation Patterns – 5150 MHz



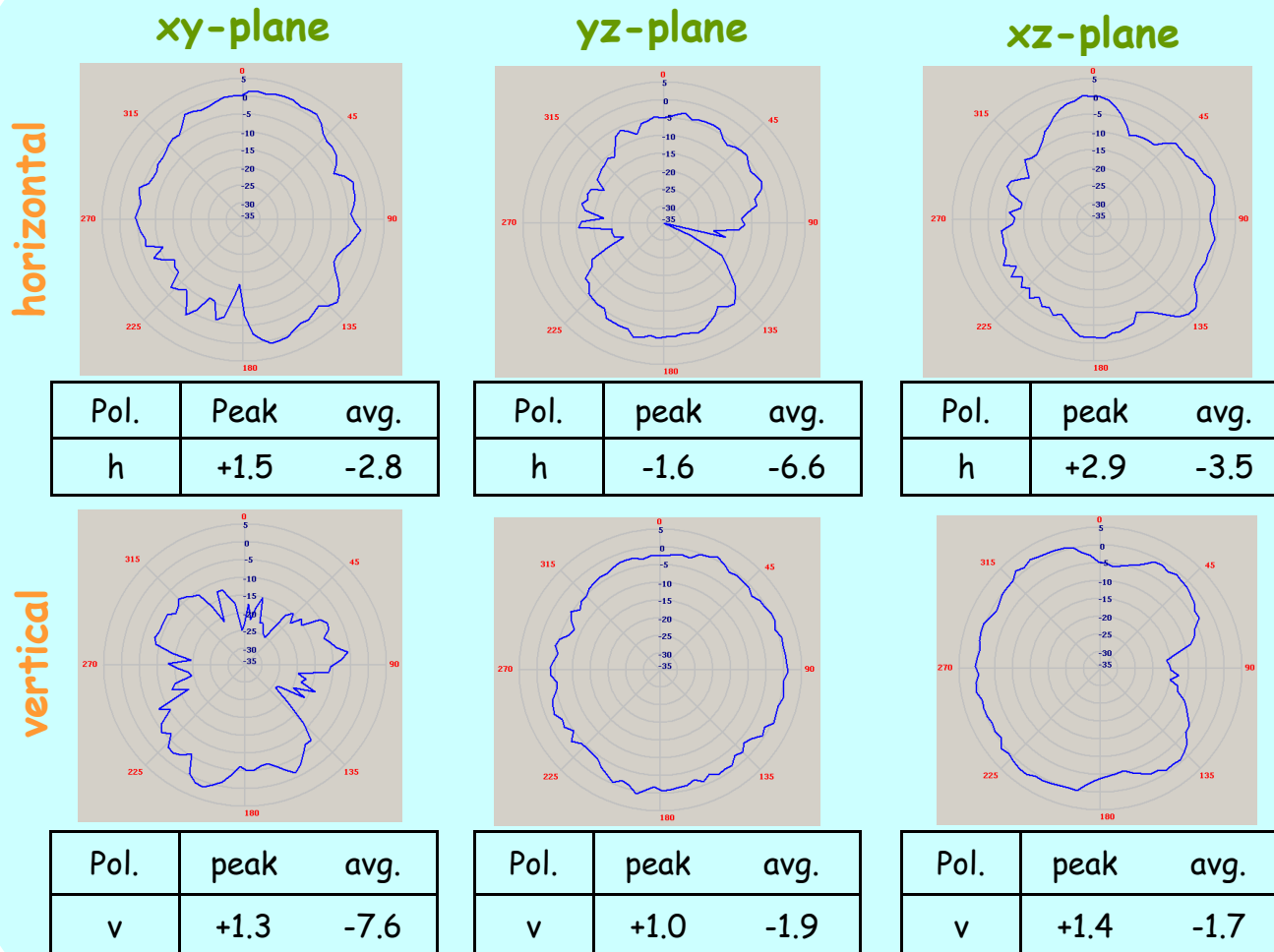
- Radiation Patterns – 5500 MHz



- Radiation Patterns – 58 50



- Radiation Patterns – 59 25



- **Antenna Gain Table**

| Frequency (MHz) | Peak gain (dBi) |
|-----------------|-----------------|
| 5150            | +2.2            |
| 5500            | +3.6            |
| 5850            | +3.4            |
| 5925            | +2.9            |