

WIFI 5G

antenna test report

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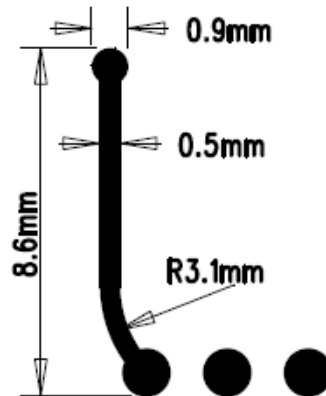
Jeany Ling

Nov. 23, 2022

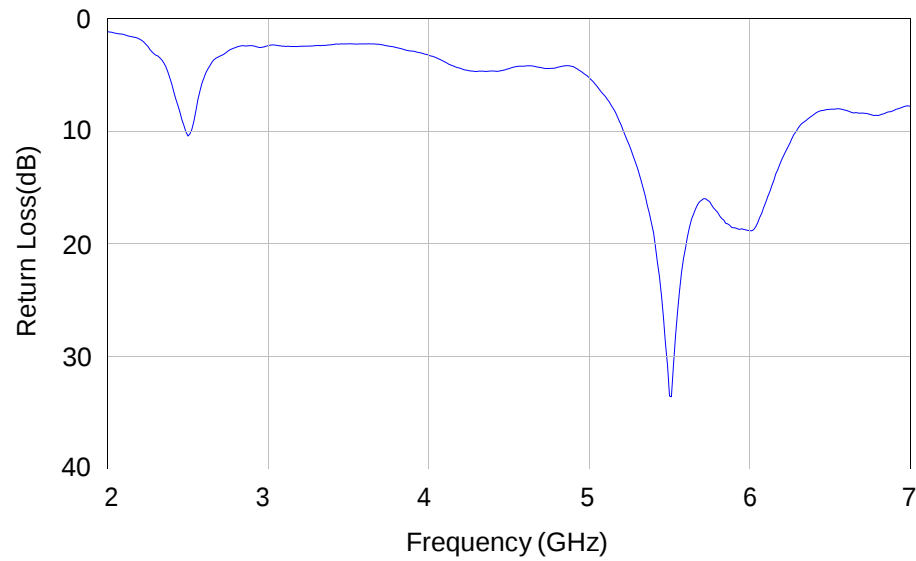
- Antenna structure

- Photo

WIFI_5G_ANT



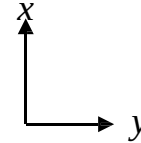
- Return Loss



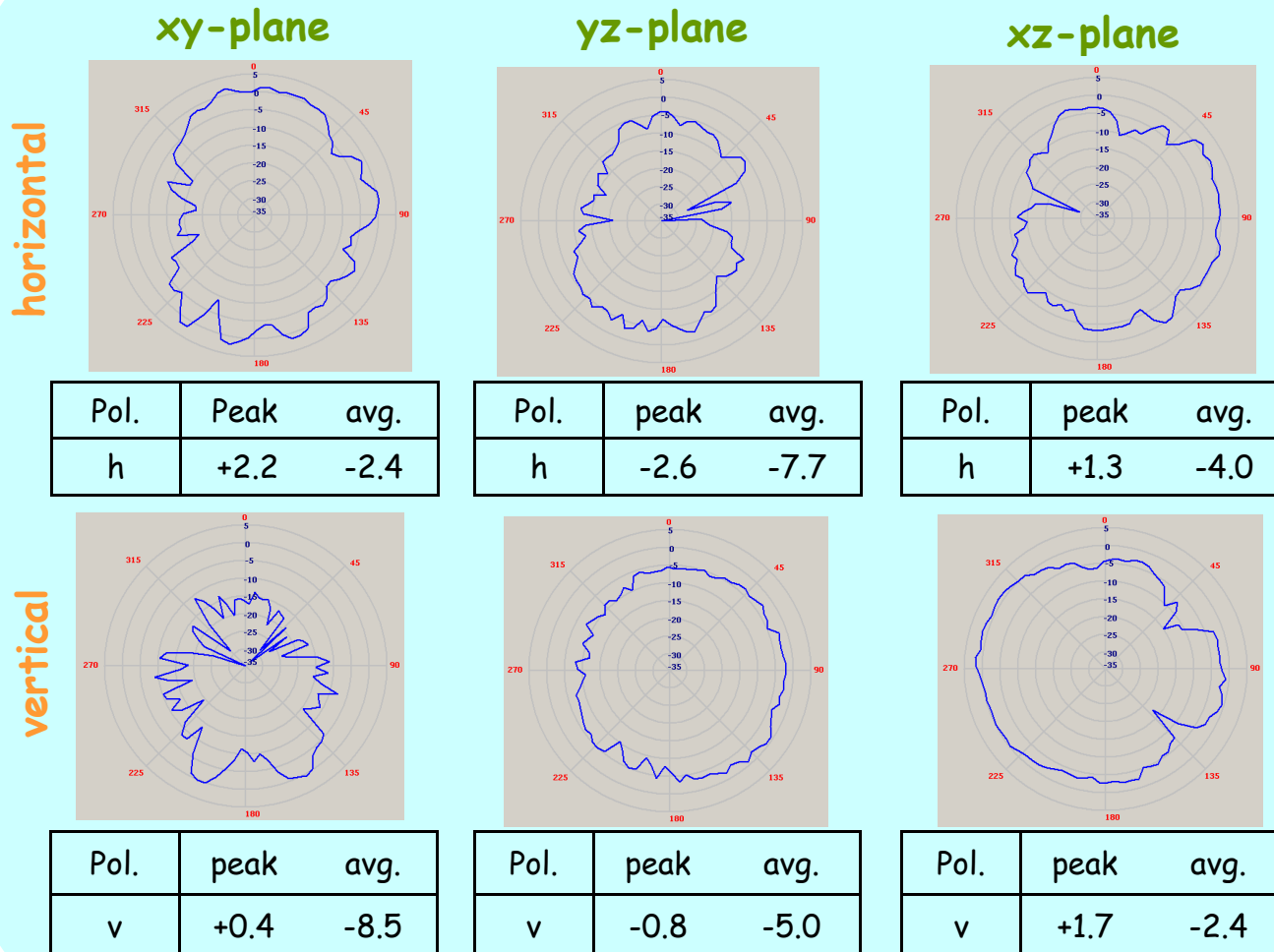
* C4=C5=NC, L1=0ohm

- **Radiation Patterns**

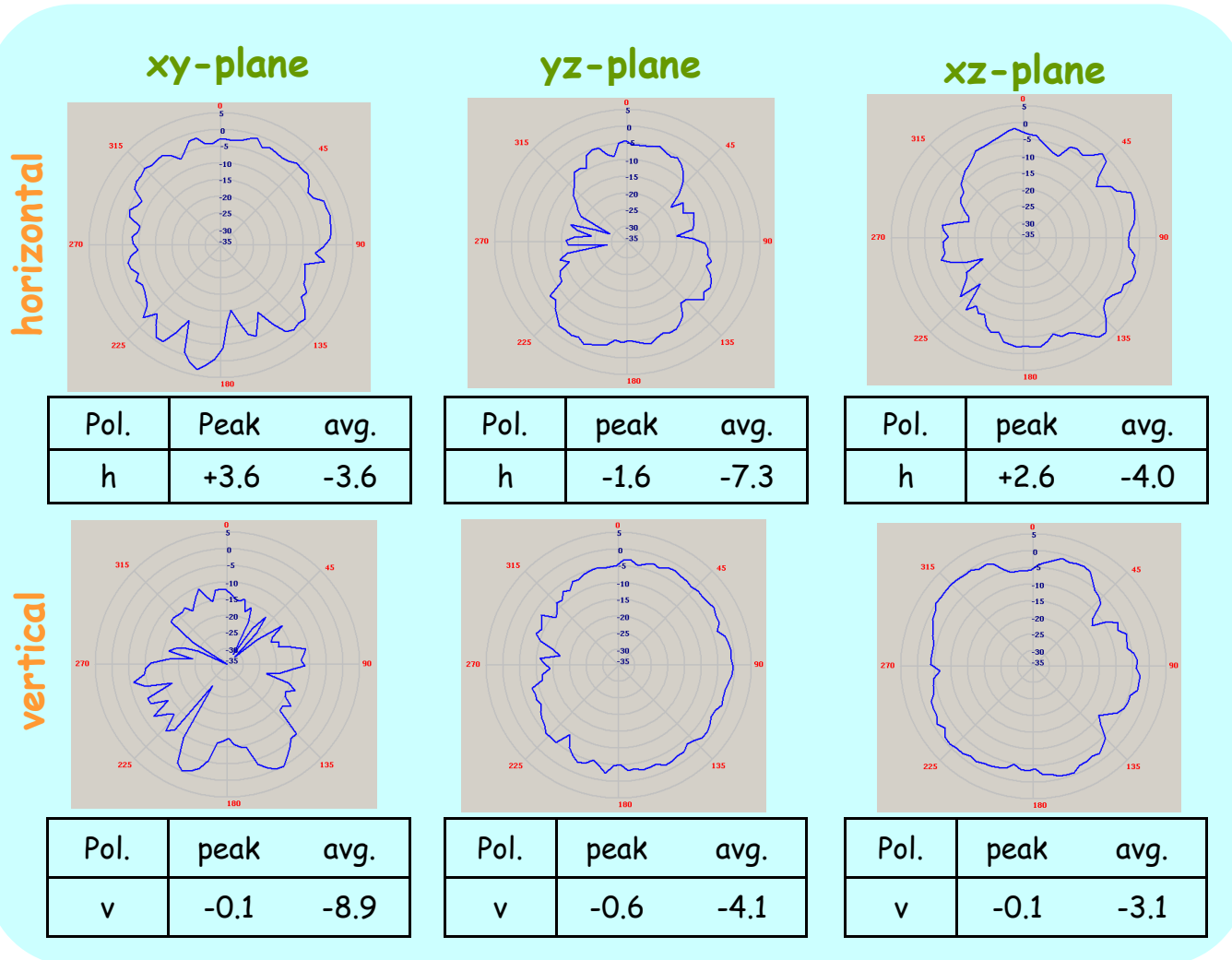
- Frequency : 5150MHz, 5500MHz, 5850MHz and 5925MHz
- Test plane : xy-plane, xz-plane and yz-plane
- Input power : SG 0dBm
- Horn h: horizontal polarization
- Horn v: vertical polarization



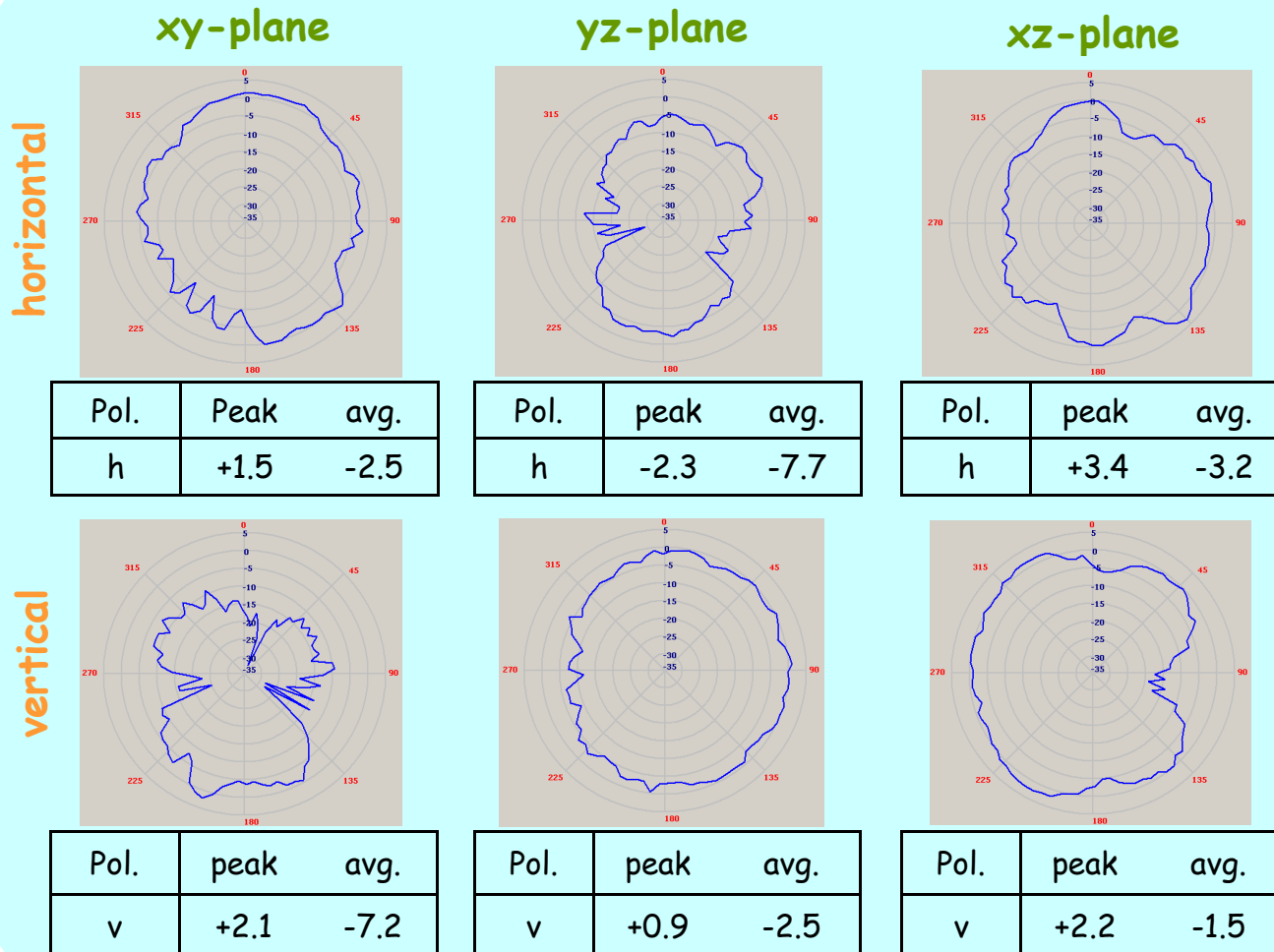
- Radiation Patterns – 5150 MHz



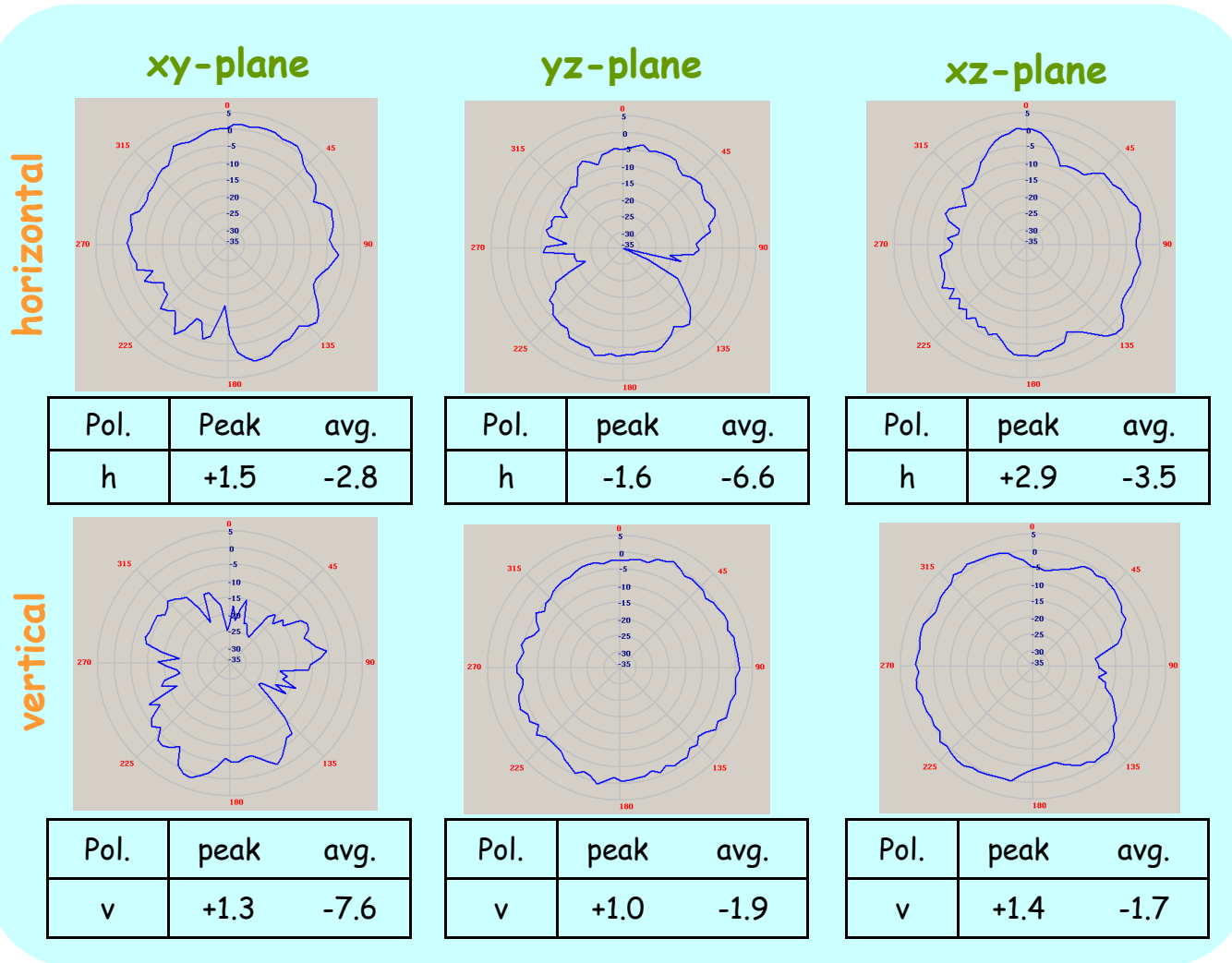
- Radiation Patterns – 5500 MHz



- 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