



# RTK-ANT-0021 PIFA measurement report

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Nov. 25, 2021



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# RTK-ANT-0021 PIFA measurement report

- Antenna Structure

Antenna brand: REALTEK

Part number: RTK-ANT-0021

Antenna type: PIFA

Connector type: IpeX4

Cable length: 30cm

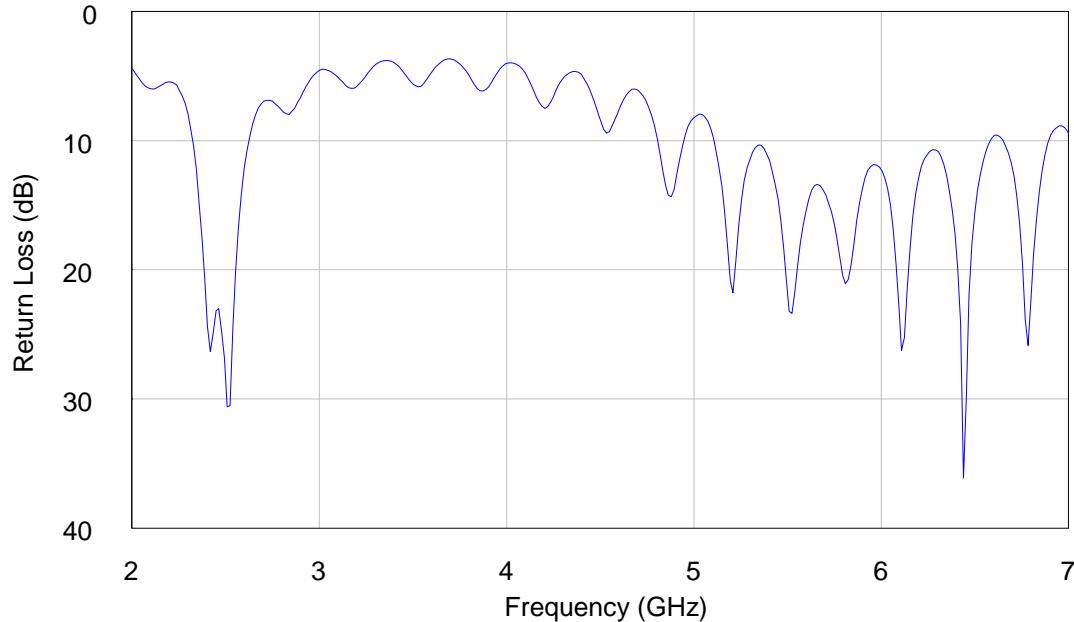




# RTK-ANT-0021 PIFA measurement report

- Return Loss

10-dB BW	2.32 ~ 2.62 GHz	5.10 ~ 6.58 GHz
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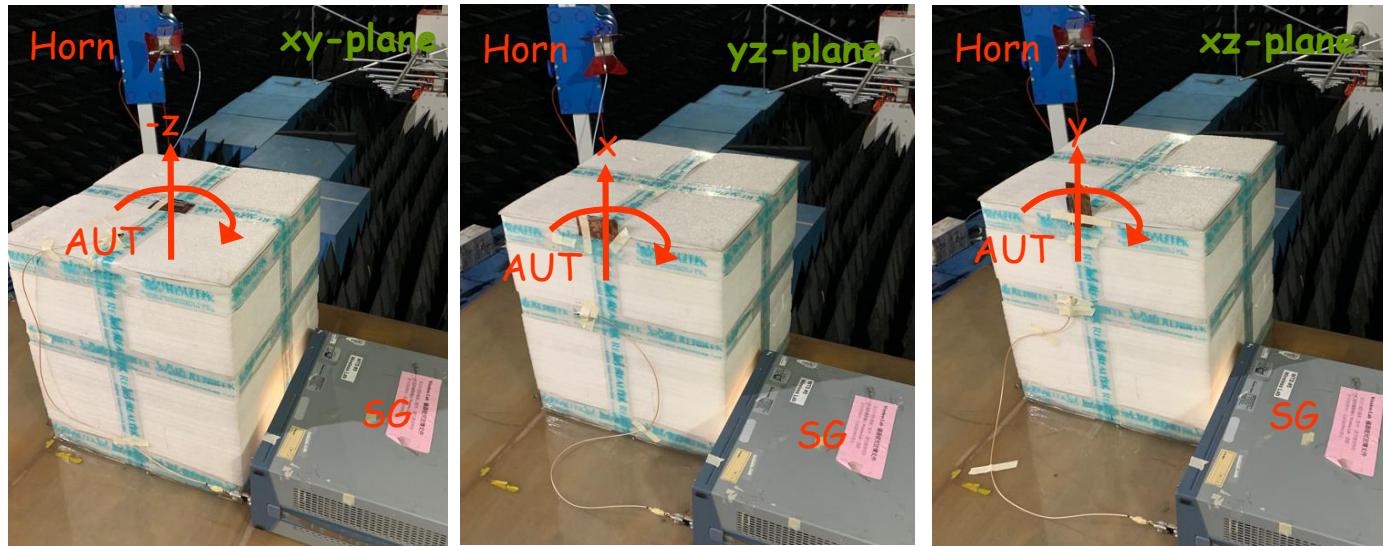




# RTK-ANT-0021 PIFA measurement report

- **Radiation Patterns**

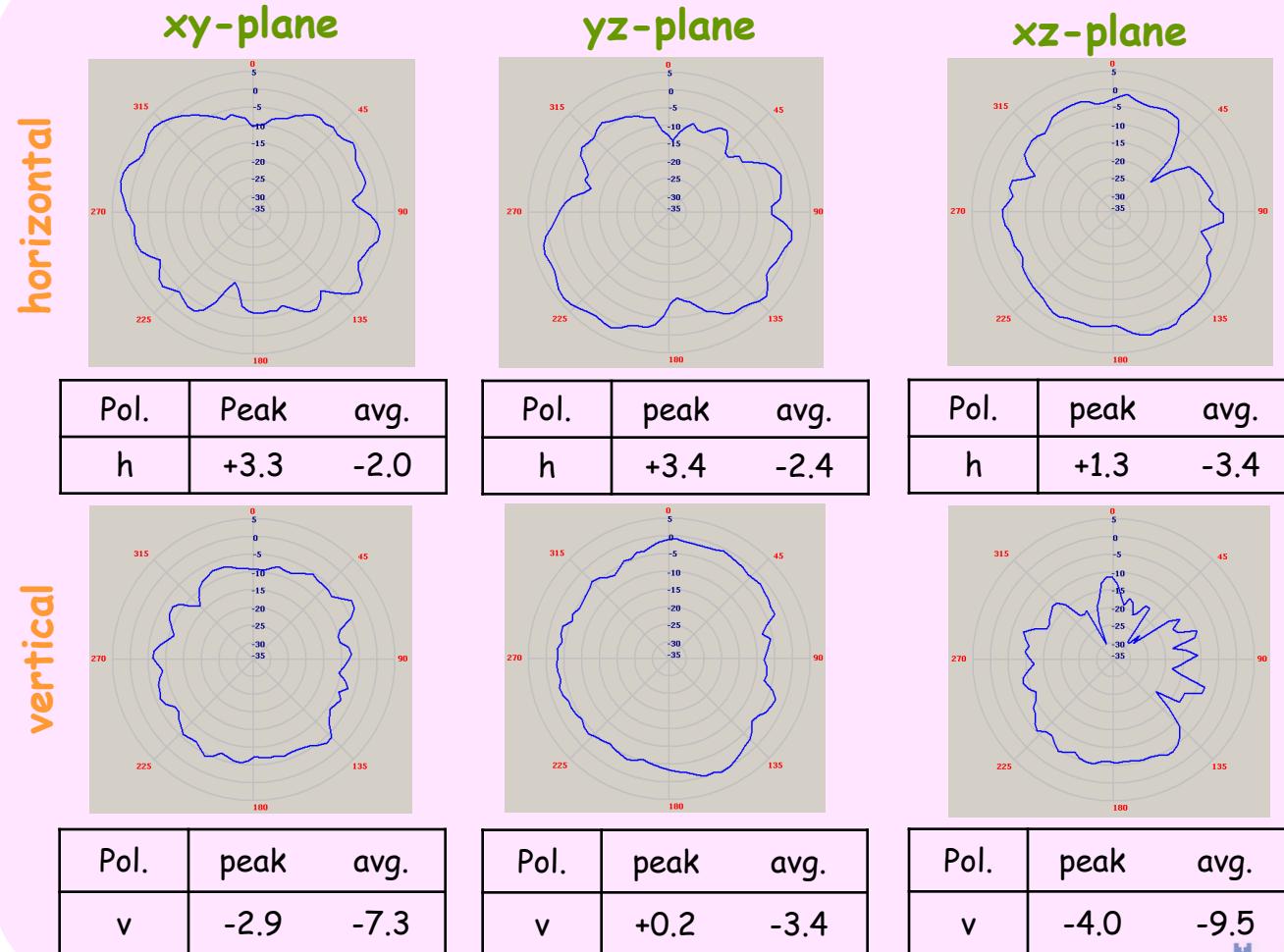
- Frequency : 2400MHz, 2450MHz, 2480MHz, 5150MHz, 5500MHz, 5850MHz and 5900MHz
- Test plane : xy-plane, xz-plane and yz-plane
- Input power : SG 0dBm
- Place: RTK 4F chamber
- Horn h: horizontal polarization
- Horn v: vertical polarization





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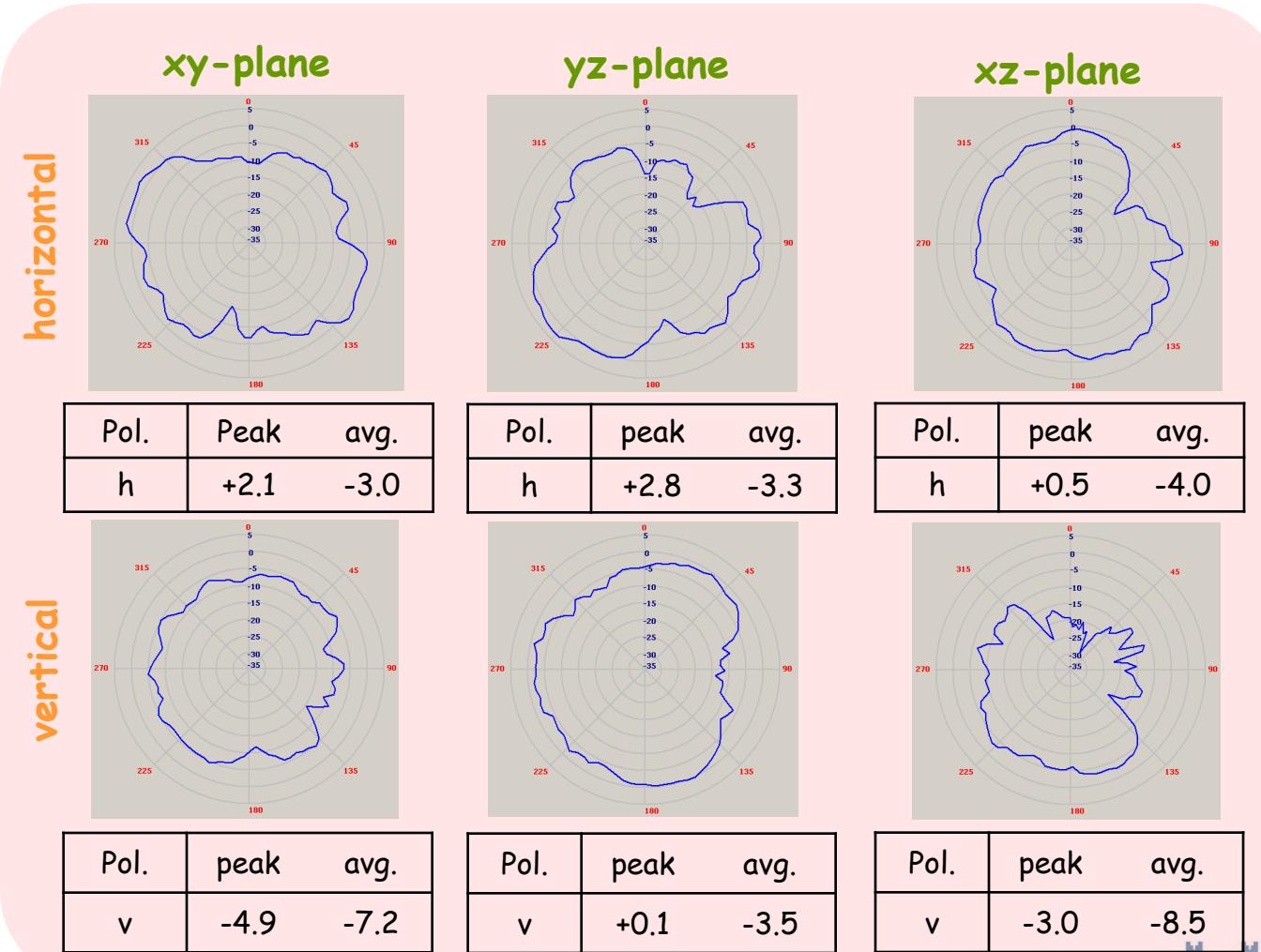
- Radiation Patterns – 2400 MHz





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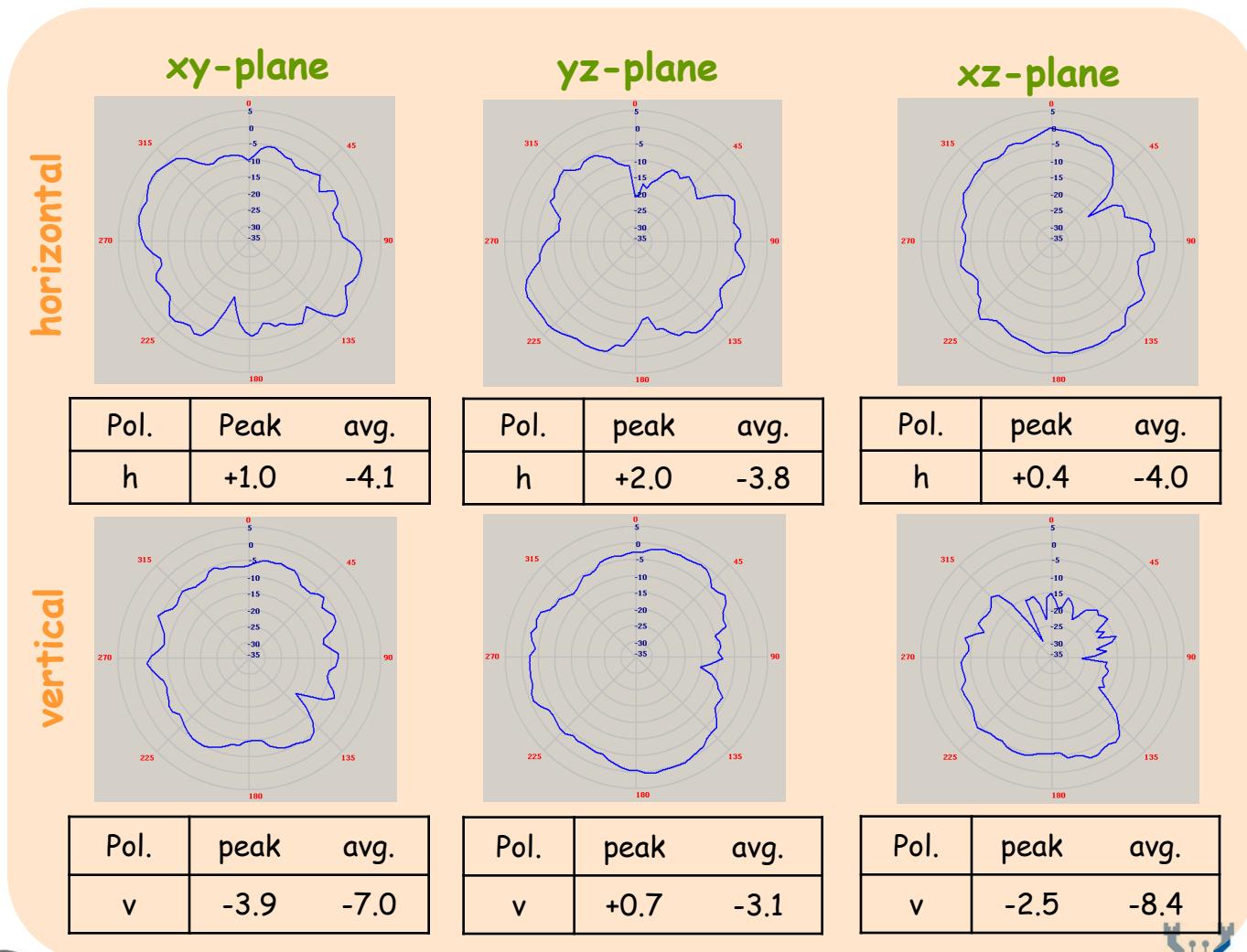
- Radiation Patterns – 2450 MHz





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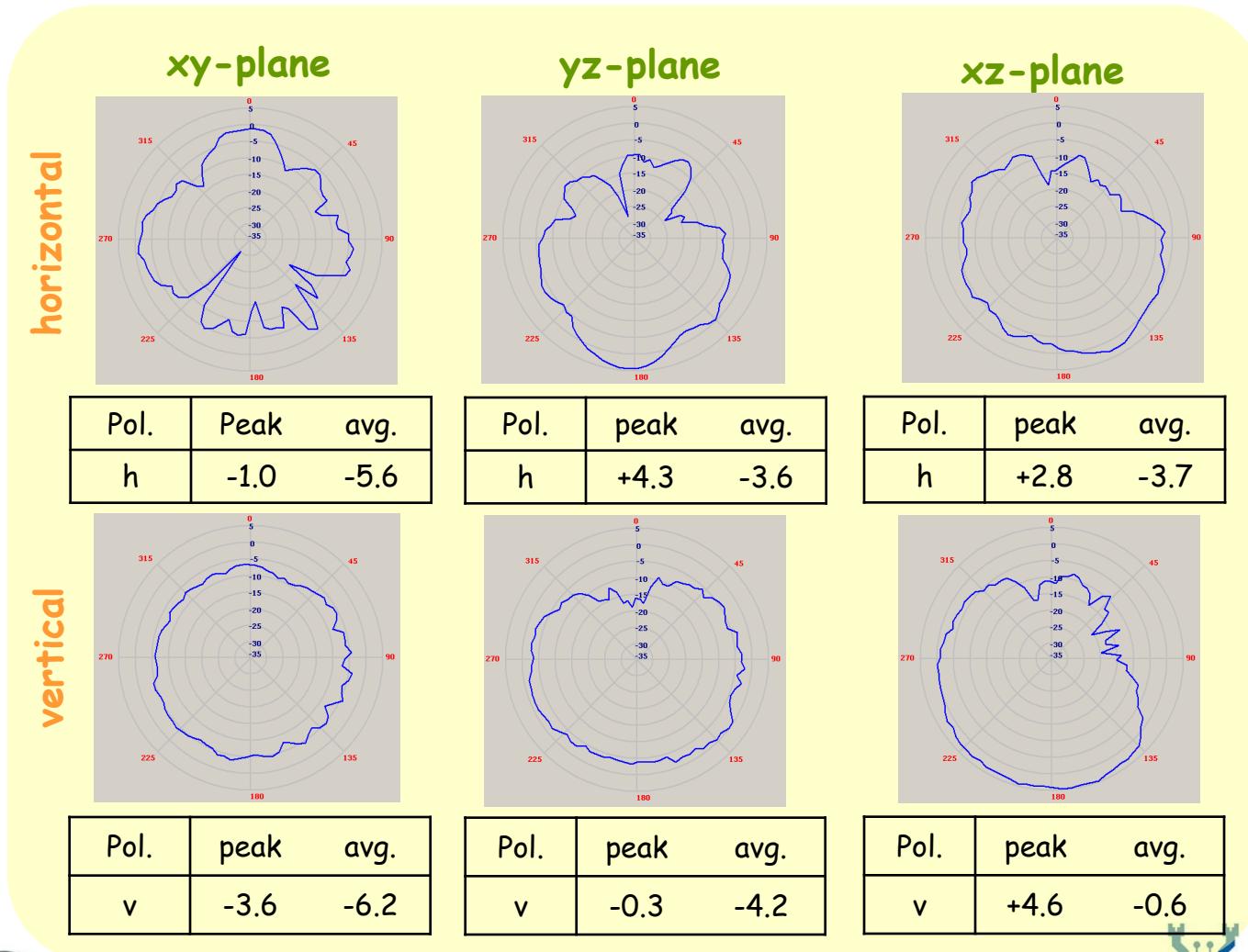
- Radiation Patterns – 2480 MHz





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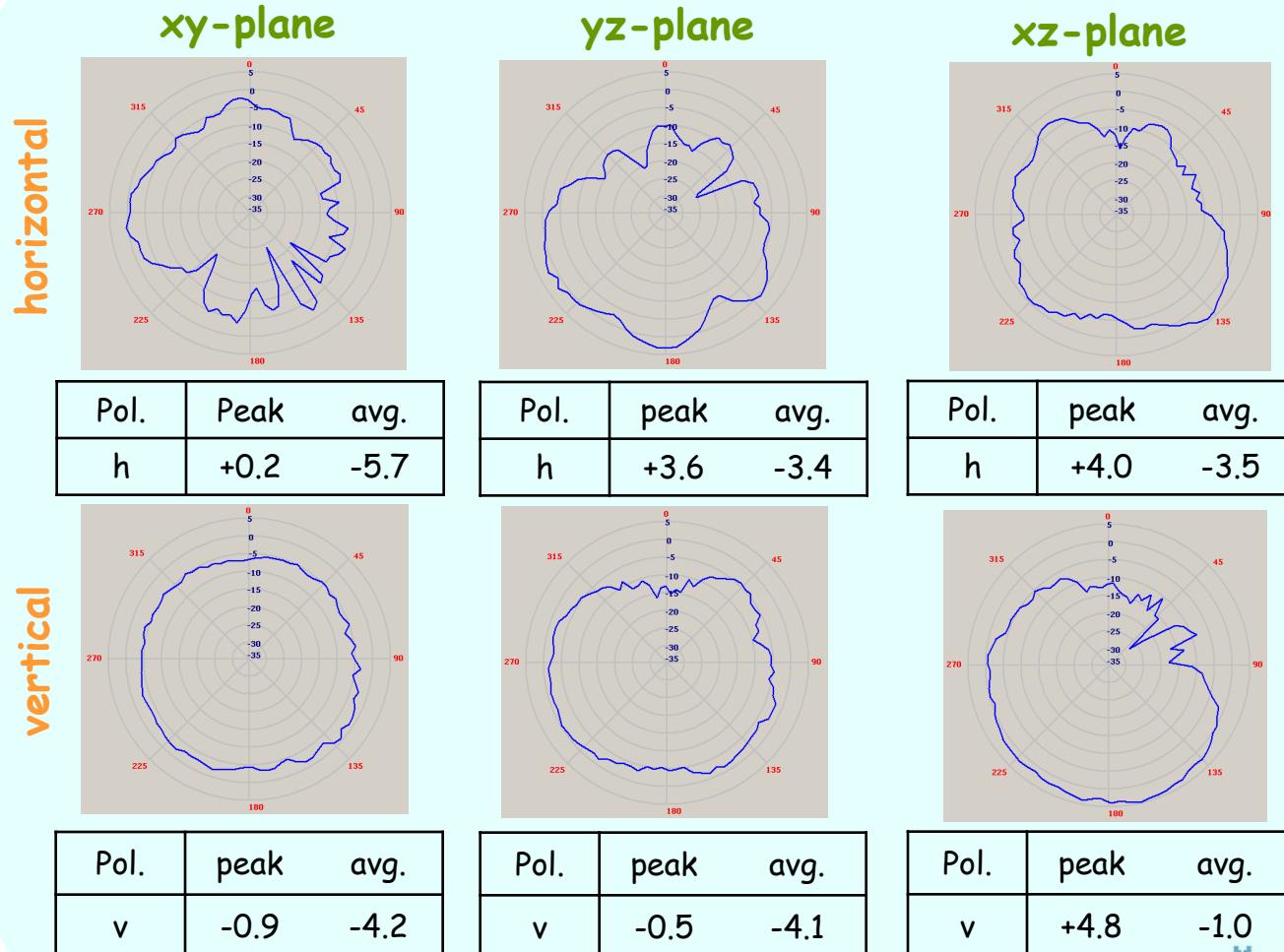
- Radiation Patterns – 5150 MHz





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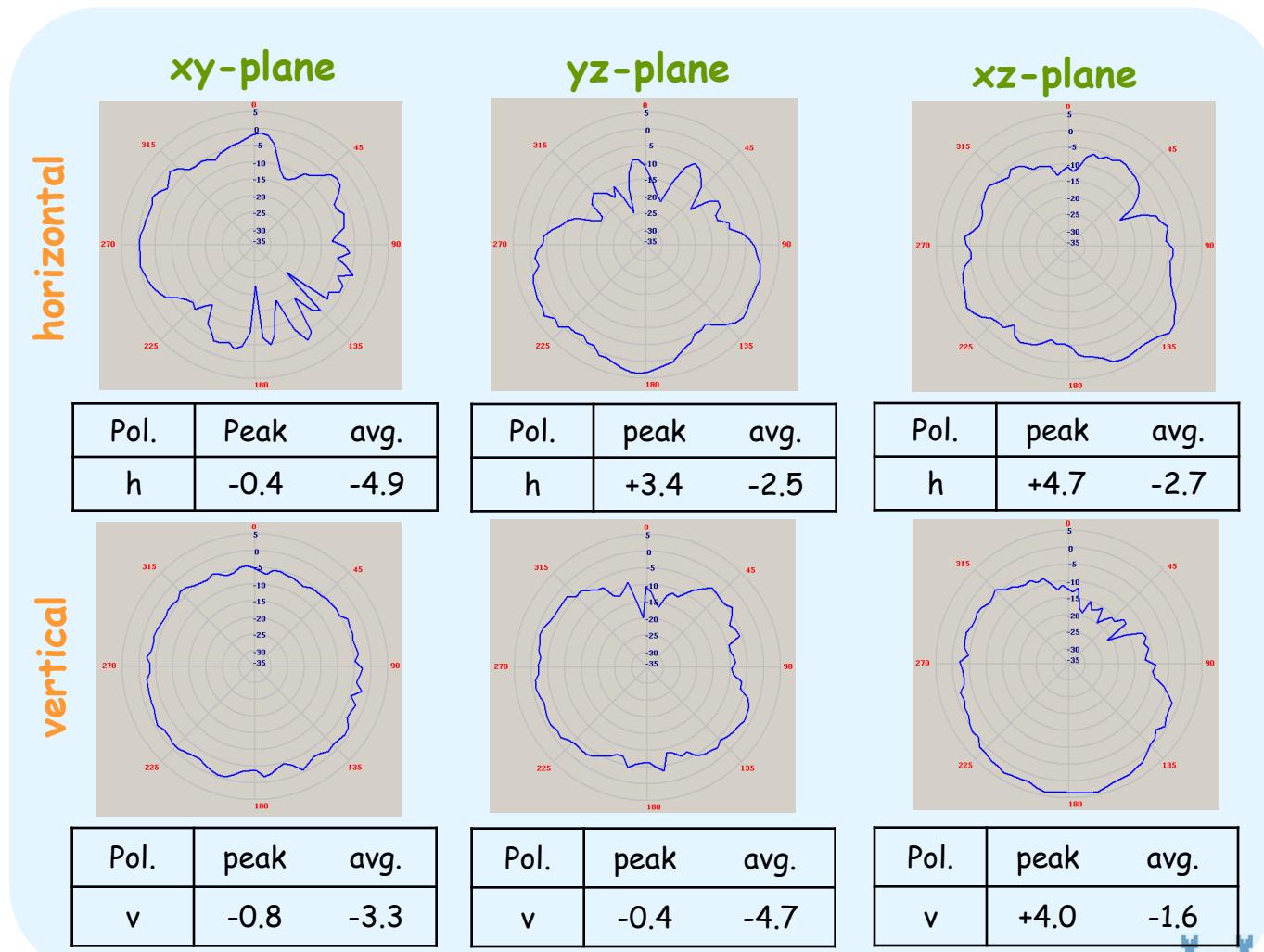
- Radiation Patterns – 5500 MHz





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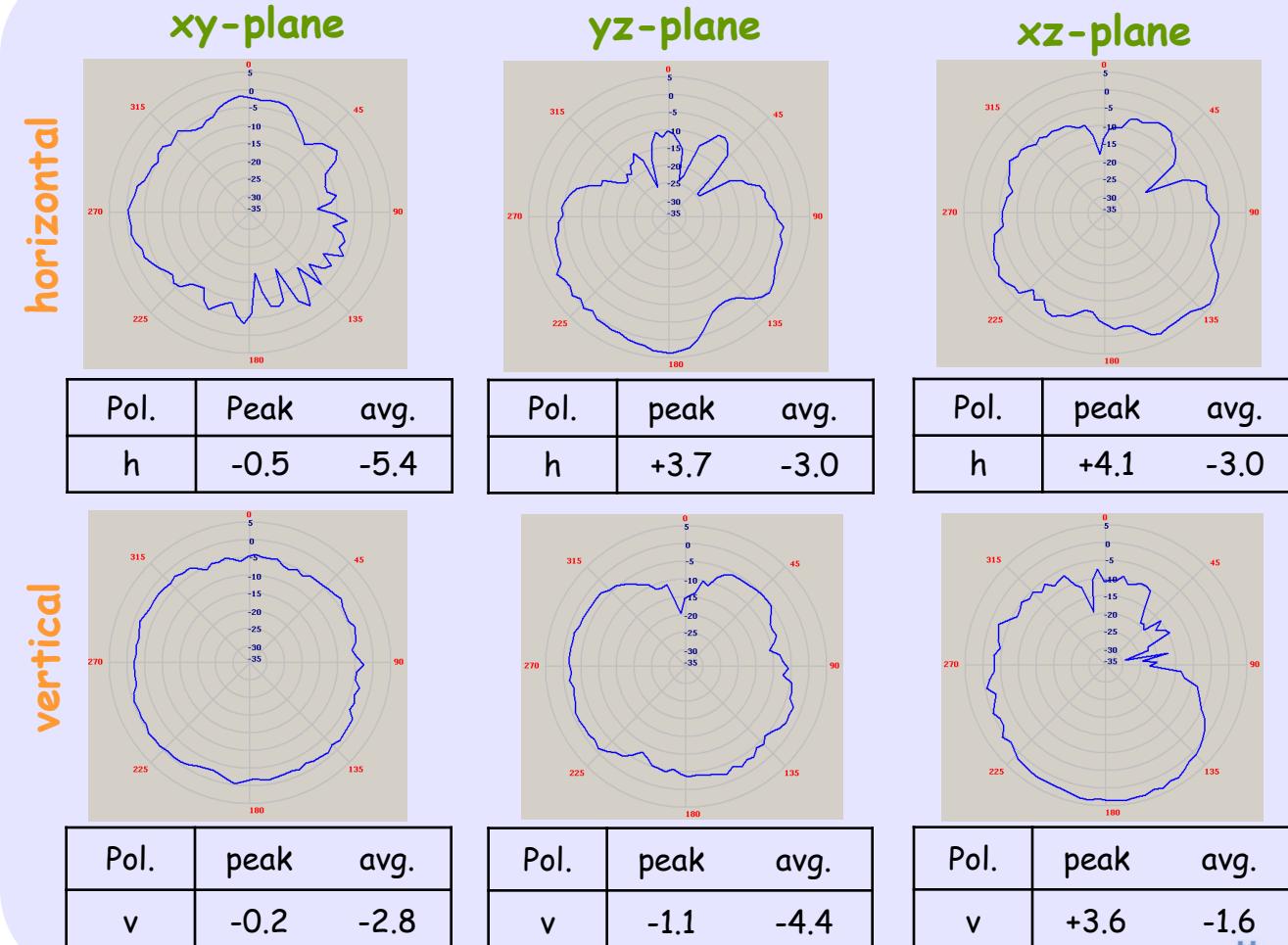
- Radiation Patterns – 5850 MHz





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- Radiation Patterns – 5900 MHz





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- Antenna gain table

Frequency (MHz)	Peak gain (dBi)
2400	+3.4
2450	+2.8
2480	+2.0
5150	+4.6
5500	+4.8
5850	+4.7
5900	+4.1



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