

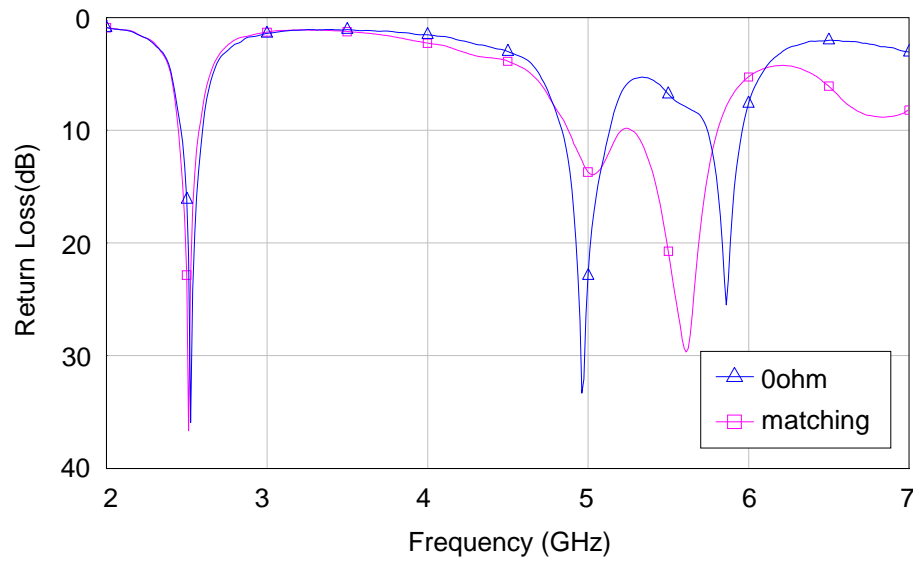
antenna test report

Model Type: GDT-X50-38

Shenzhen Guandetong Electronic Co., Ltd.

- Return Loss

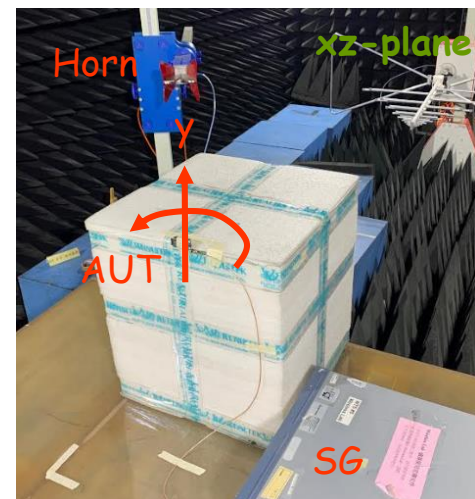
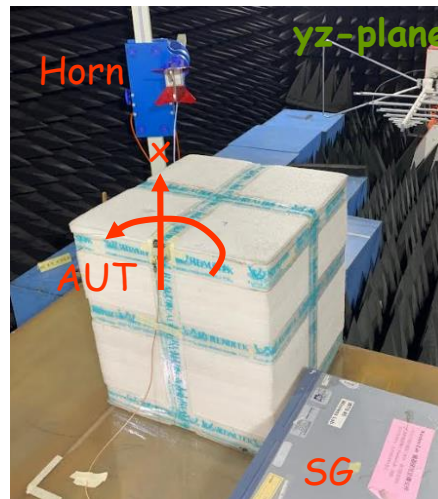
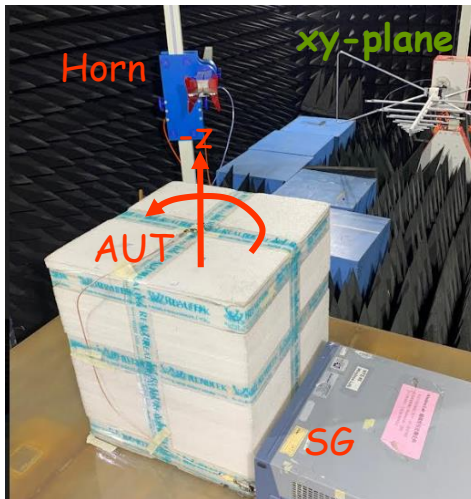
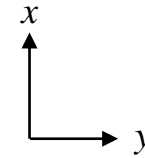
10-dB BW	2.43~ 2.57 GHz	4.87 ~ 5.81 GHz
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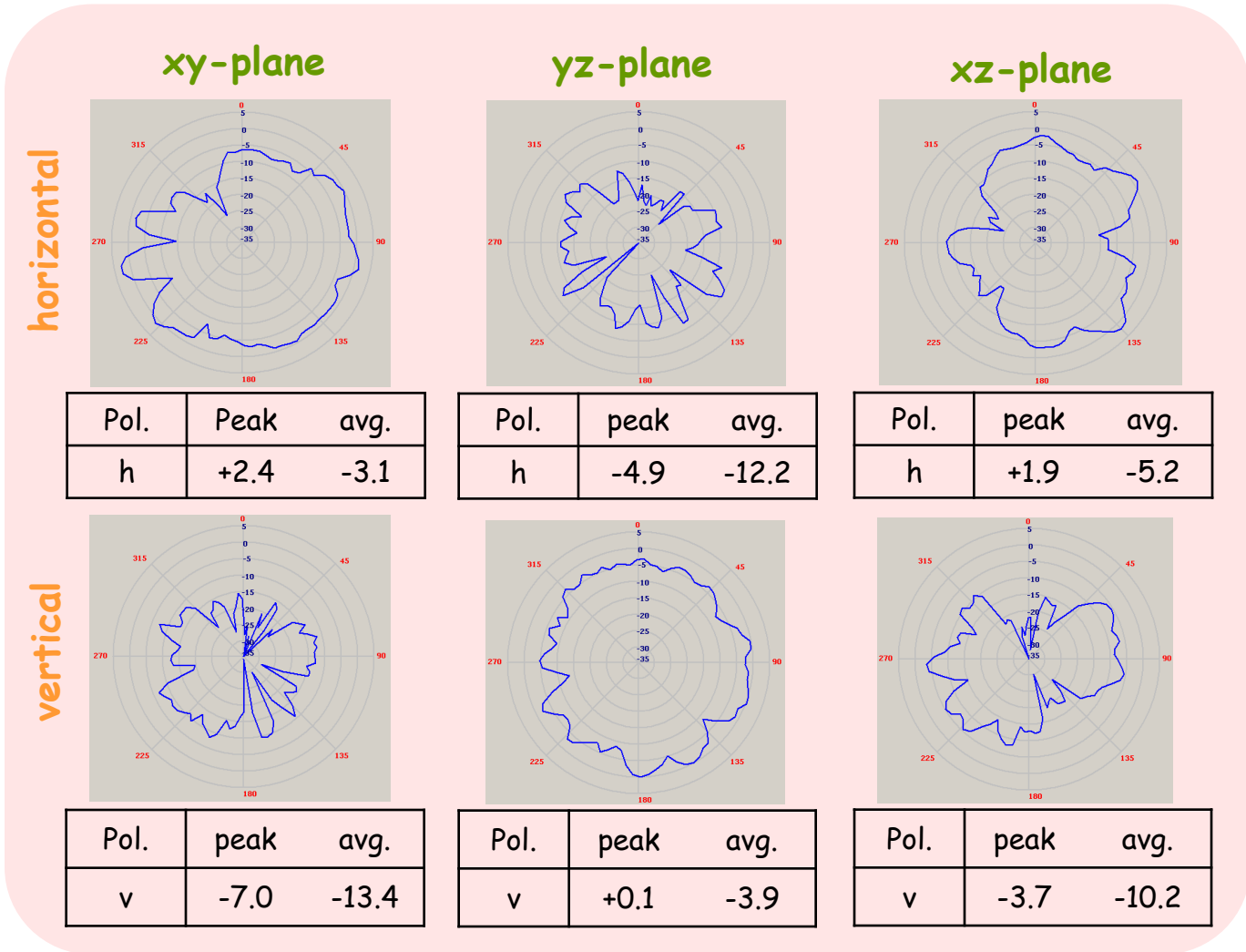
* C4=0.1pF, L2=1.5nH, C36=NC

- **Radiation Patterns**

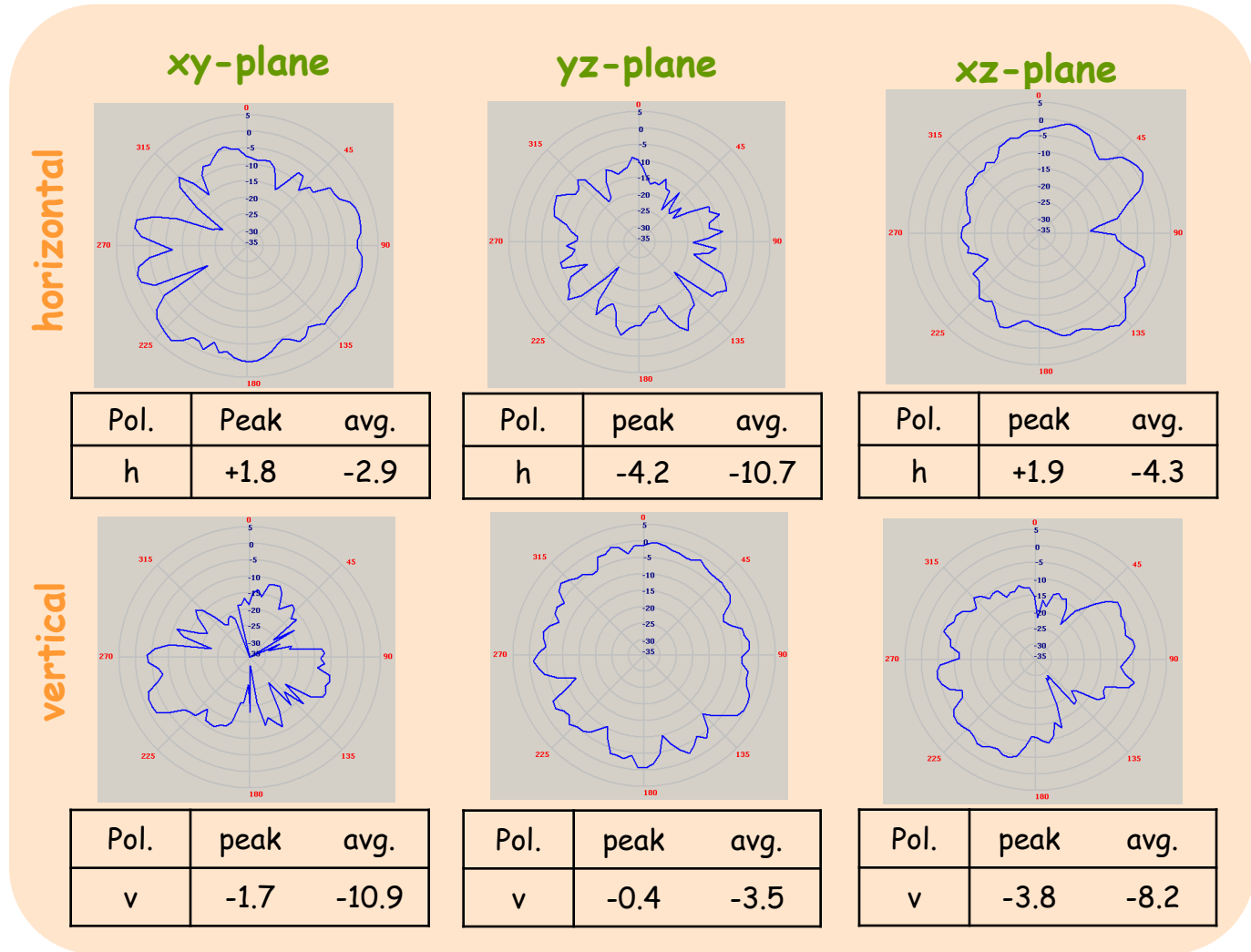
- Frequency : 2400MHz, 2450MHz, 2480MHz, 5150MHz, 5500MHz, 5850MHz
- Test plane : xy-plane, yz-plane and xz-plane
- Input power : SG 0dBm
- Place: RTK 4F chamber
- Horn h: horizontal polarization
- Horn v: vertical polarization



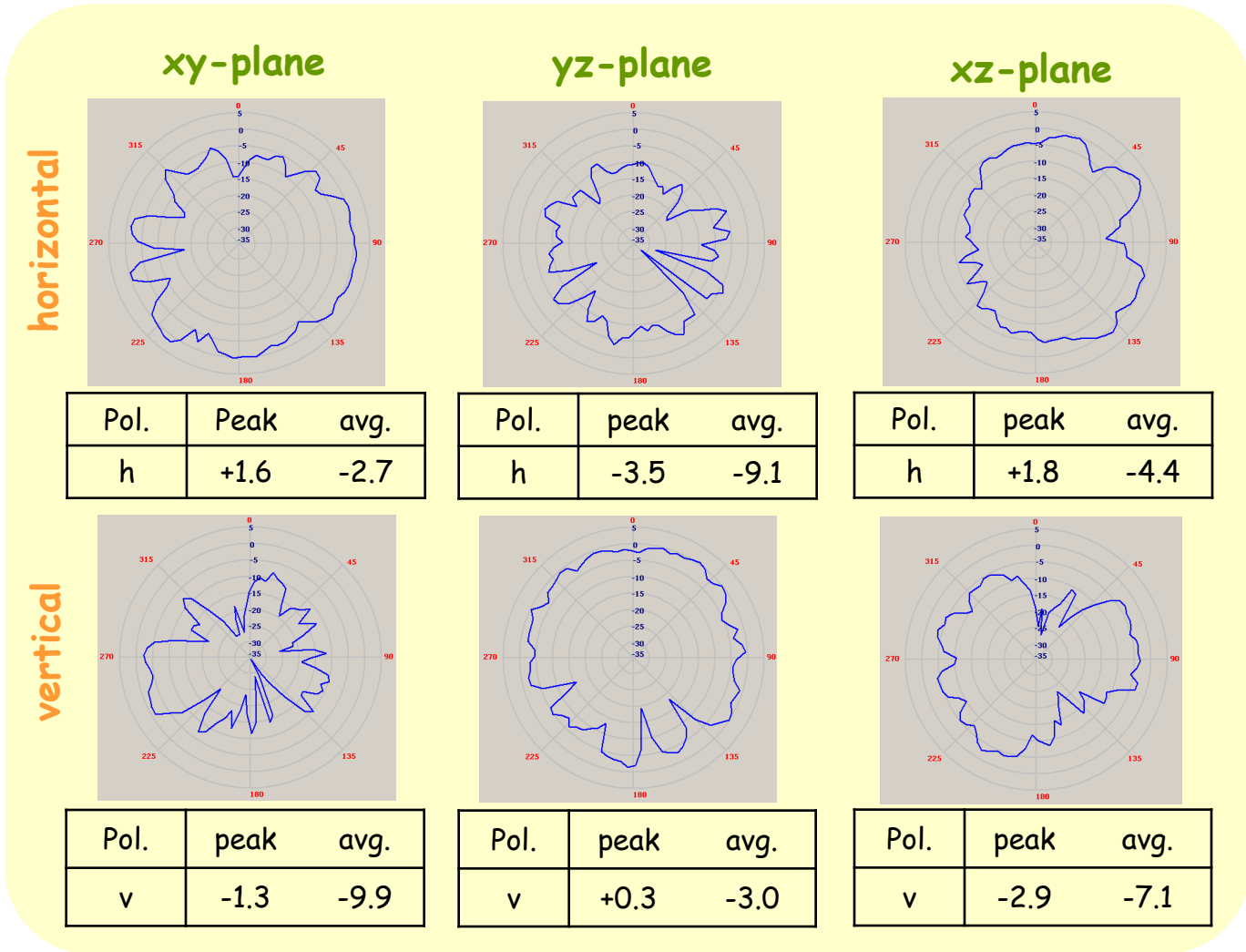
- Radiation Patterns – 2400 MHz



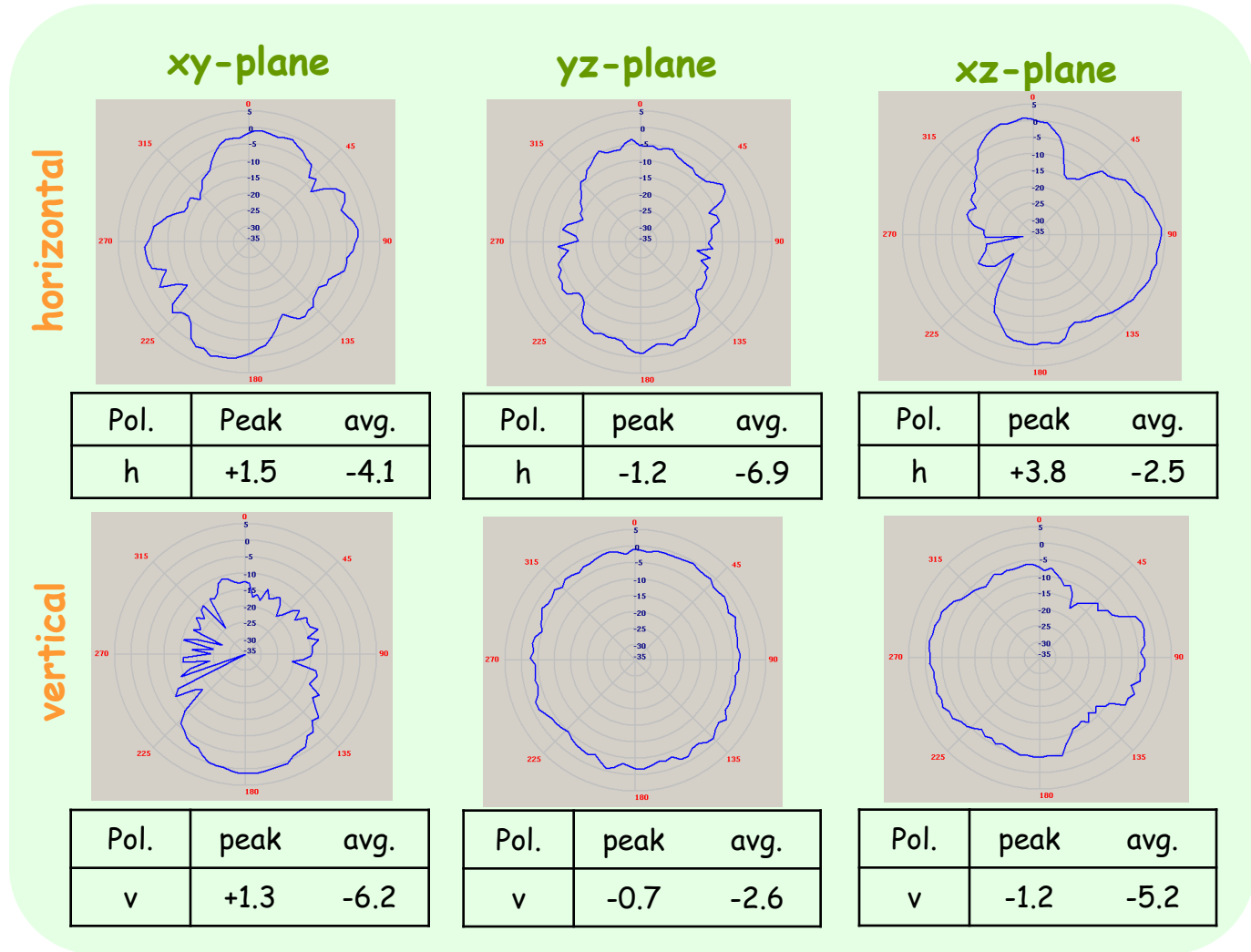
- Radiation Patterns – 2450 MHz



- Radiation Patterns – 2480 MHz



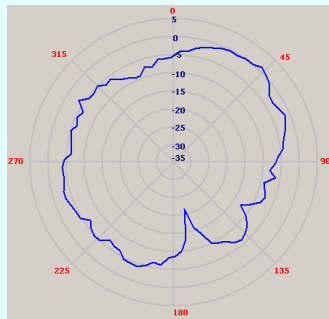
- Radiation Patterns – 5150 MHz



- Radiation Patterns – 5500 MHz

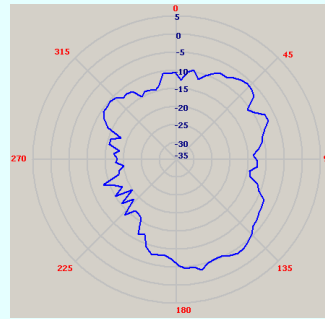
horizontal

xy-plane



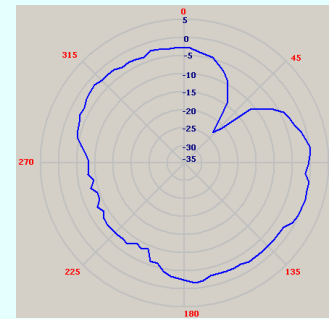
Pol.	Peak	avg.
h	+0.9	-4.9

yz-plane



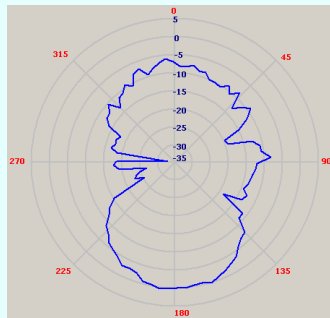
Pol.	peak	avg.
h	-3.6	-9.4

xz-plane

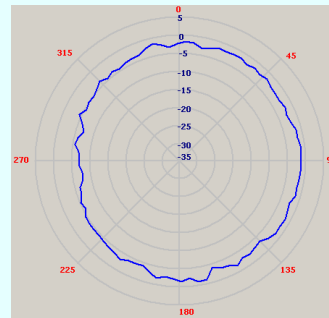


Pol.	peak	avg.
h	+0.1	-3.8

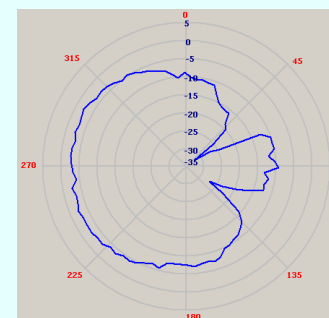
vertical



Pol.	peak	avg.
v	+0.2	-6.8



Pol.	peak	avg.
v	-1.2	-3.2

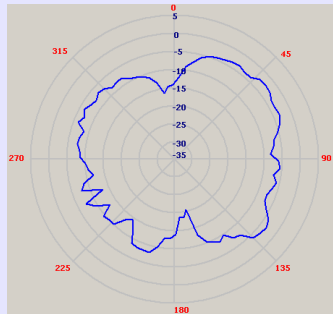


Pol.	peak	avg.
v	-2.6	-6.7

- Radiation Patterns – 5850 MHz

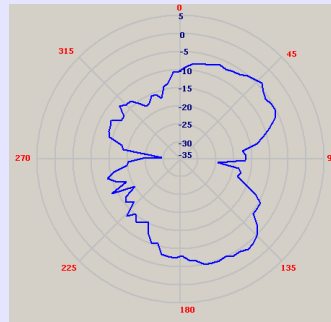
horizontal

xy-plane



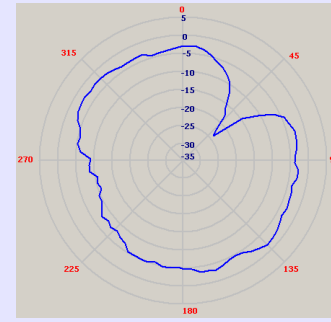
Pol.	Peak	avg.
h	-2.5	-7.3

yz-plane



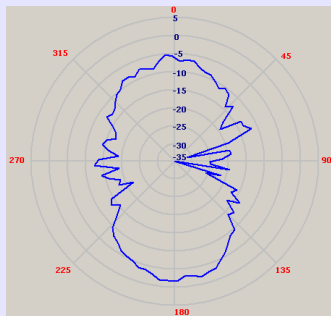
Pol.	peak	avg.
h	-3.7	-9.2

xz-plane

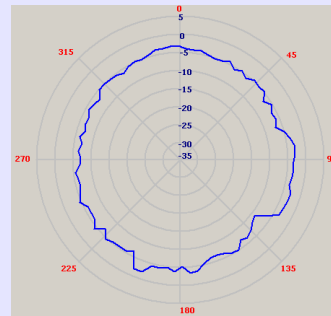


Pol.	peak	avg.
h	-2.0	-4.9

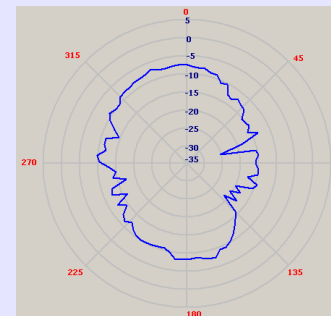
vertical



Pol.	peak	avg.
v	-1.7	-8.6



Pol.	peak	avg.
v	-2.0	-5.1



Pol.	peak	avg.
v	-7.1	-11.1