

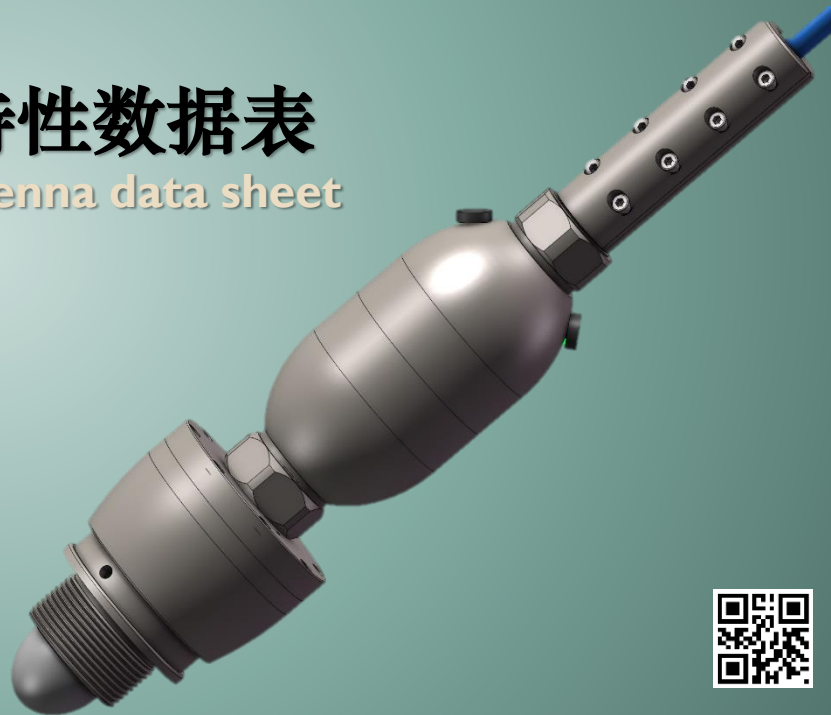


120GHz调频雷达产品

AiW-4I20系列产品天线特性数据表

AiW-4I20 level gauge series radar antenna data sheet

V2024.4



V2024.1

AiW-4120MP/MC Radar Antenna Specification



Lens antenna material (透镜头天线材质)

PTFE

POM

Antenna diameter (天线直径)

37mm

37mm

HPBW (half-power beam width) (3dB 半功率波束角)

4.5°

6° (°) average value

FNBW (beam width between first nulls) (第一零点波束宽度)

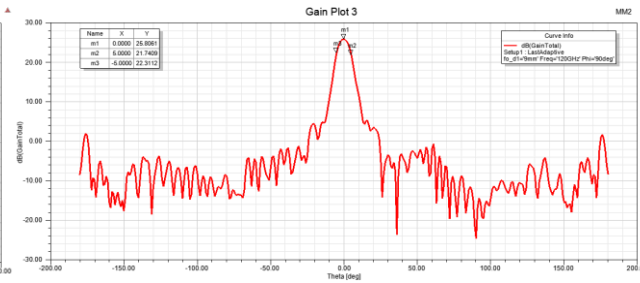
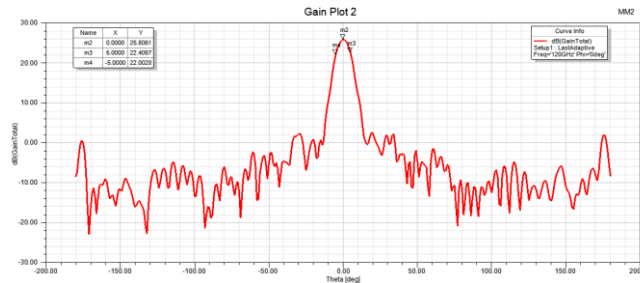
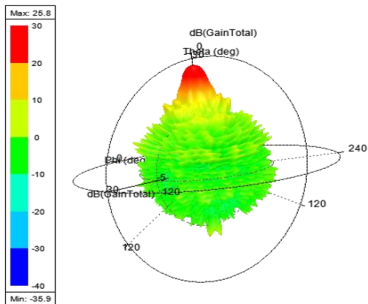
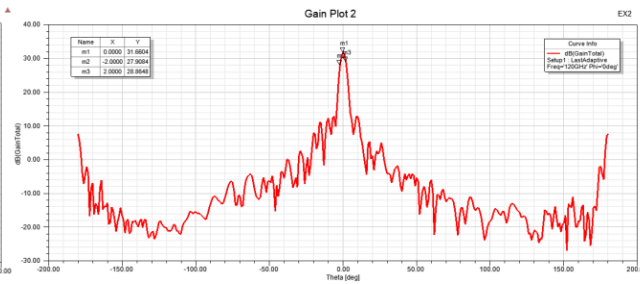
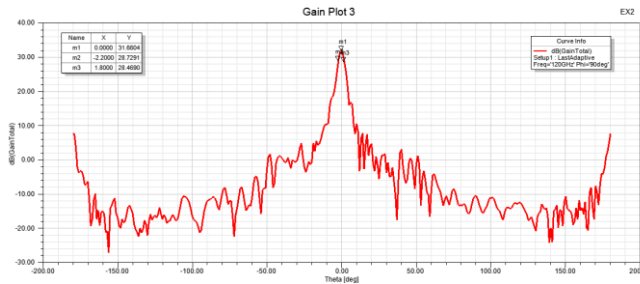
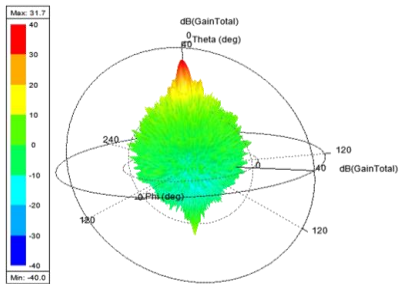
12°

18°

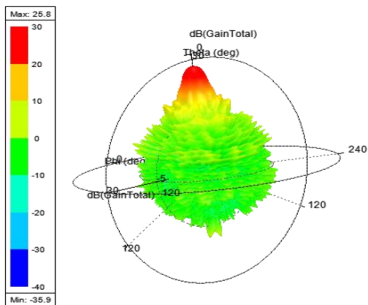
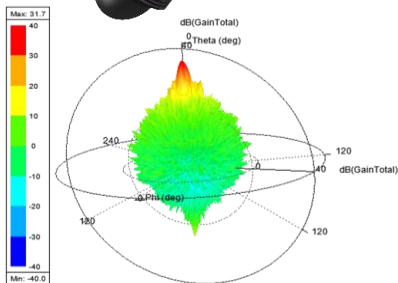
Antenna Gain (天线增益)

31.7dB

25.8dB



AiW-4120MG Radar Antenna Specification



Lens antenna material (透镜天线材质)

PTFE

POM

Antenna diameter (天线直径)

37mm

37mm

HPBW (half-power beam width) (3dB 半功率波束角)

4.5°

6° (°) average value

FNBW (beam width between first nulls) (第一零点波束宽度)

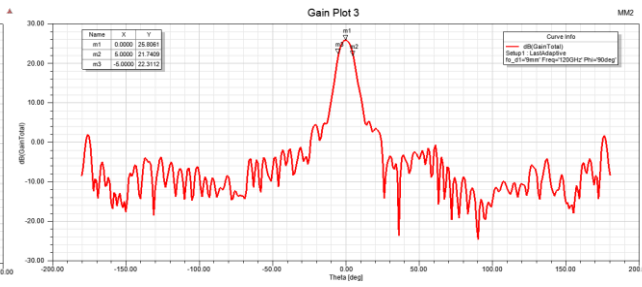
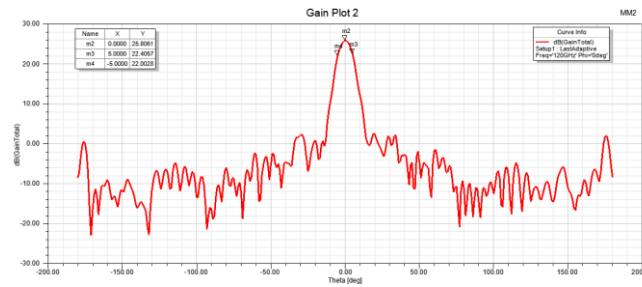
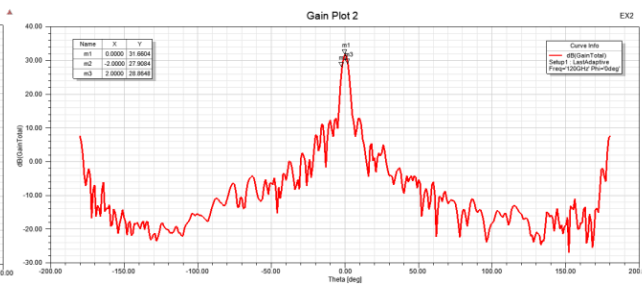
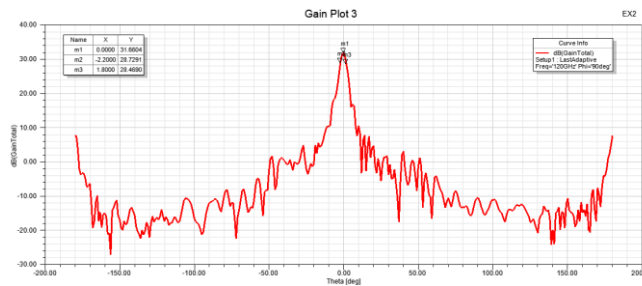
12°

18°

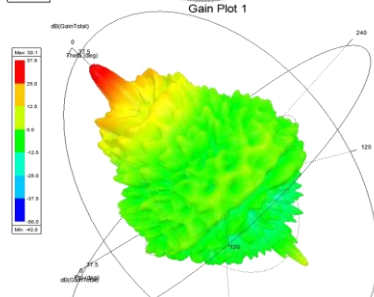
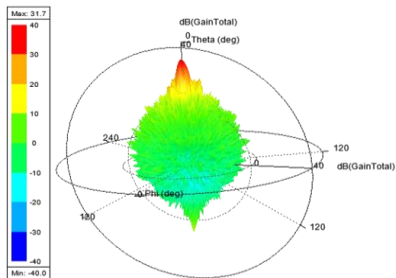
Antenna Gain (天线增益)

31.7dB

25.8dB



AiW-4120MK Radar Antenna Specification



Lens antenna material (透镜天线材质)

PTFE/SST

PEEK/SST

Antenna diameter (天线直径)

37mm

37mm

HPBW (half-power beam width) (3dB 半功率波束角)

4.5°

4.6°

FNBW (beam width between first nulls) (第一零点波束宽度)

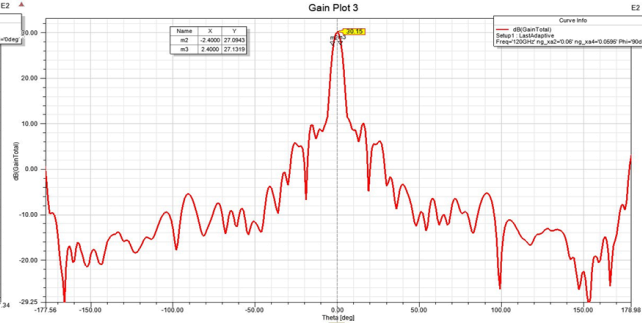
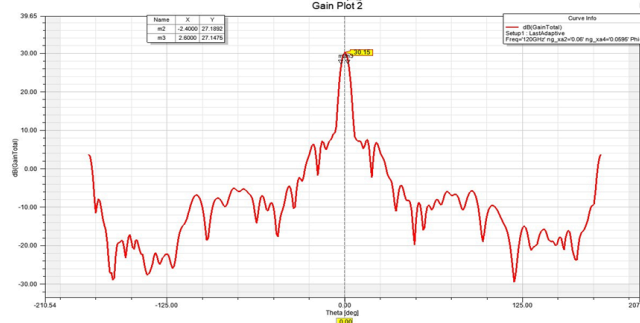
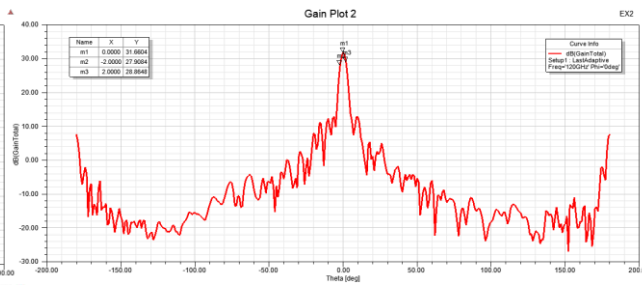
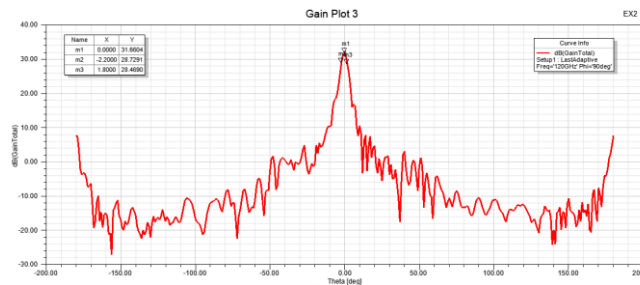
12°

16°

Antenna Gain (天线增益)

31.7dB

30.1dB



AiW-4120MP60 Radar Antenna Specification



Lens antenna material (透透镜天线材质)

PTFE

POM

Antenna diameter (天线直径)

60mm

60mm

HPBW (half-power beam width) (3dB 半功率波束角)

2.6°

4.5°

FNBW (beam width between first nulls) (第一零点波束宽度)

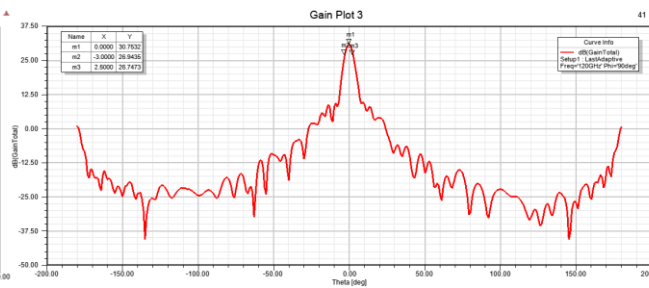
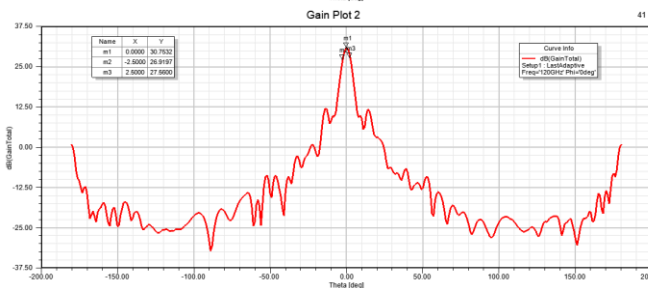
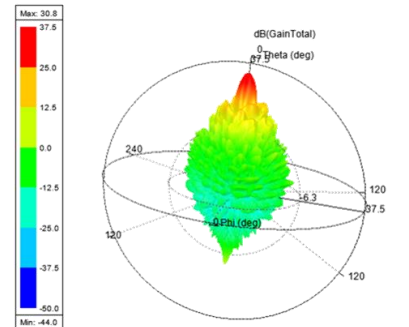
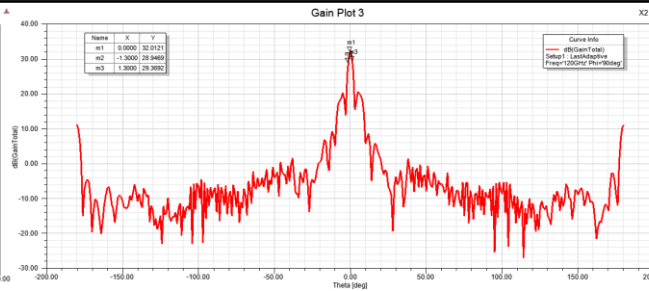
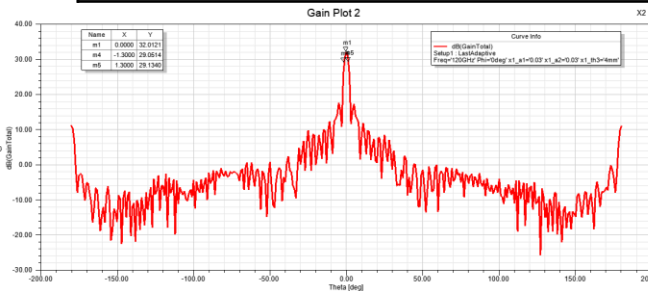
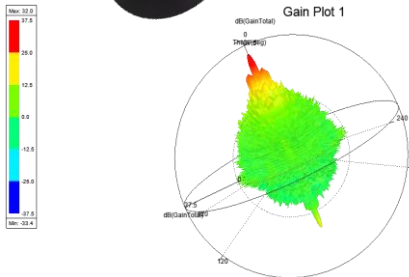
8°

16°

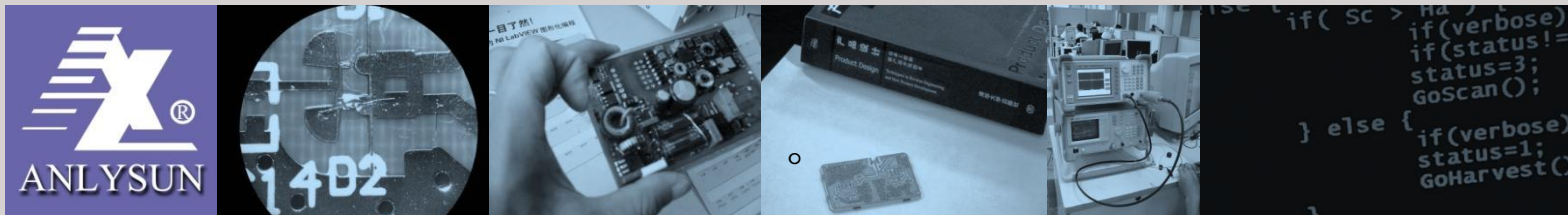
Antenna Gain (天线增益)

32dB

30.8dB



CHINASIMBA
ANLYSUN



ANLYSUN
YOUR COMPANY'S R&D DEPARTMENT

www.anlysun.com