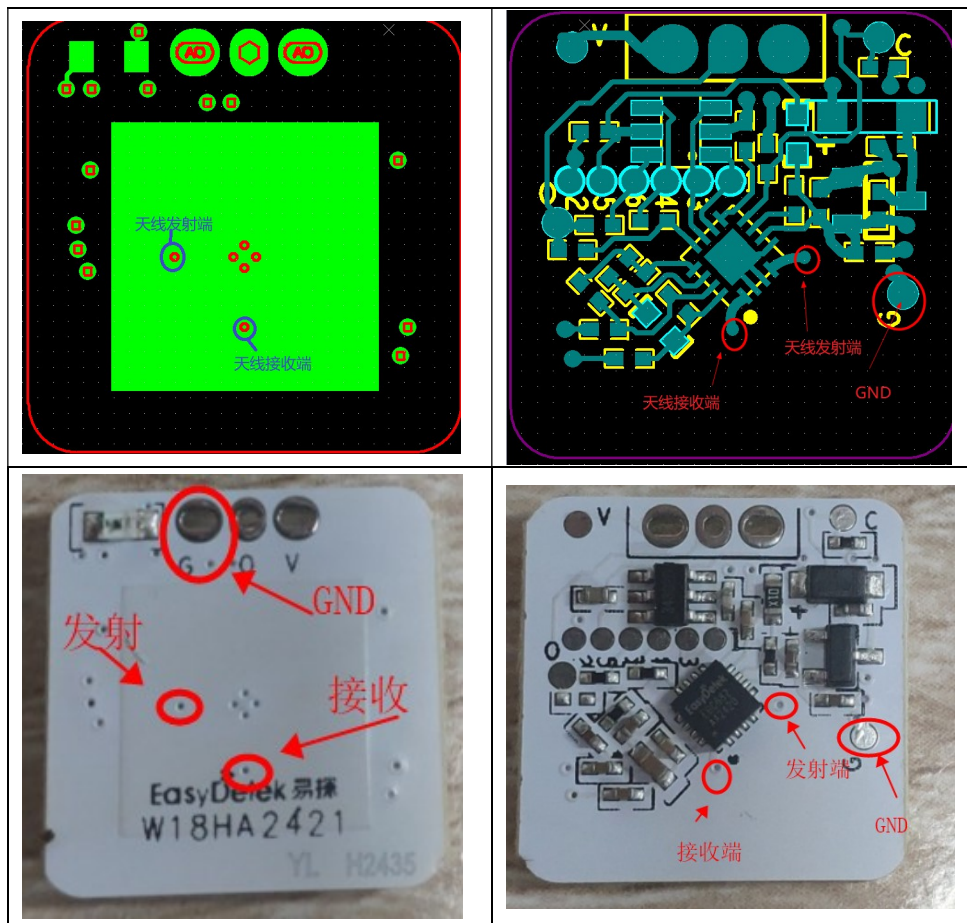
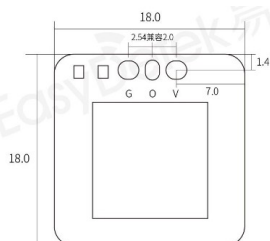


EDC18H-天线和供电连接说明 EDC18H-Antenna and Power Connection Instructions**一、天线结构 Antenna structure****二、接线说明 Second, the wiring said****供电口说明 Description of power supply port:****引脚说明**

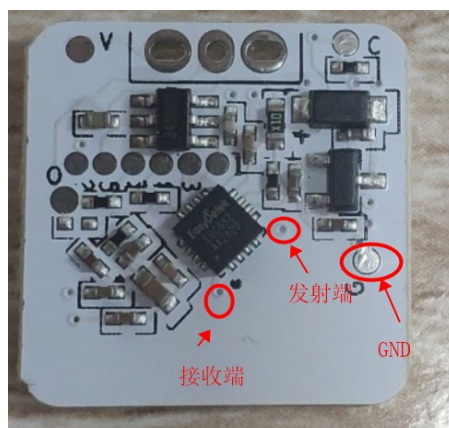
引脚	说明
G (GND)	地
O (Output)	输出IO/PWM
V (VIN)	供电5-12V

供电时：只需使用 DC 直流源，给雷达模块的 V 脚 和 GND 之间输入 DC 5V/10mA 电压即可；

（只要上电后，射频就会一直工作，持续发射频率）

For power supply: simply use a DC source and input DC 5V/10mA between the V pin and GND of the radar module.

(As long as the power is on, the RF will keep working and keep transmitting frequency)

射频接口说明 RF Interface Description:

可使用 SMA 同轴线，按上图接法，分别接 GND 和发射端、接收端；

Use SMA coaxial cables and connect them to GND, transmitter and receiver as shown above;

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另外：测试频率和辐射功率时，可以割掉发射和接收的两根天线馈线（因为现有的天线设计，是收发一体的天线架构）In addition: when testing frequency and radiated power, it is possible to cut the two antenna feeds for transmission and reception (because of the existing antenna design, which is a transceiver antenna architecture).



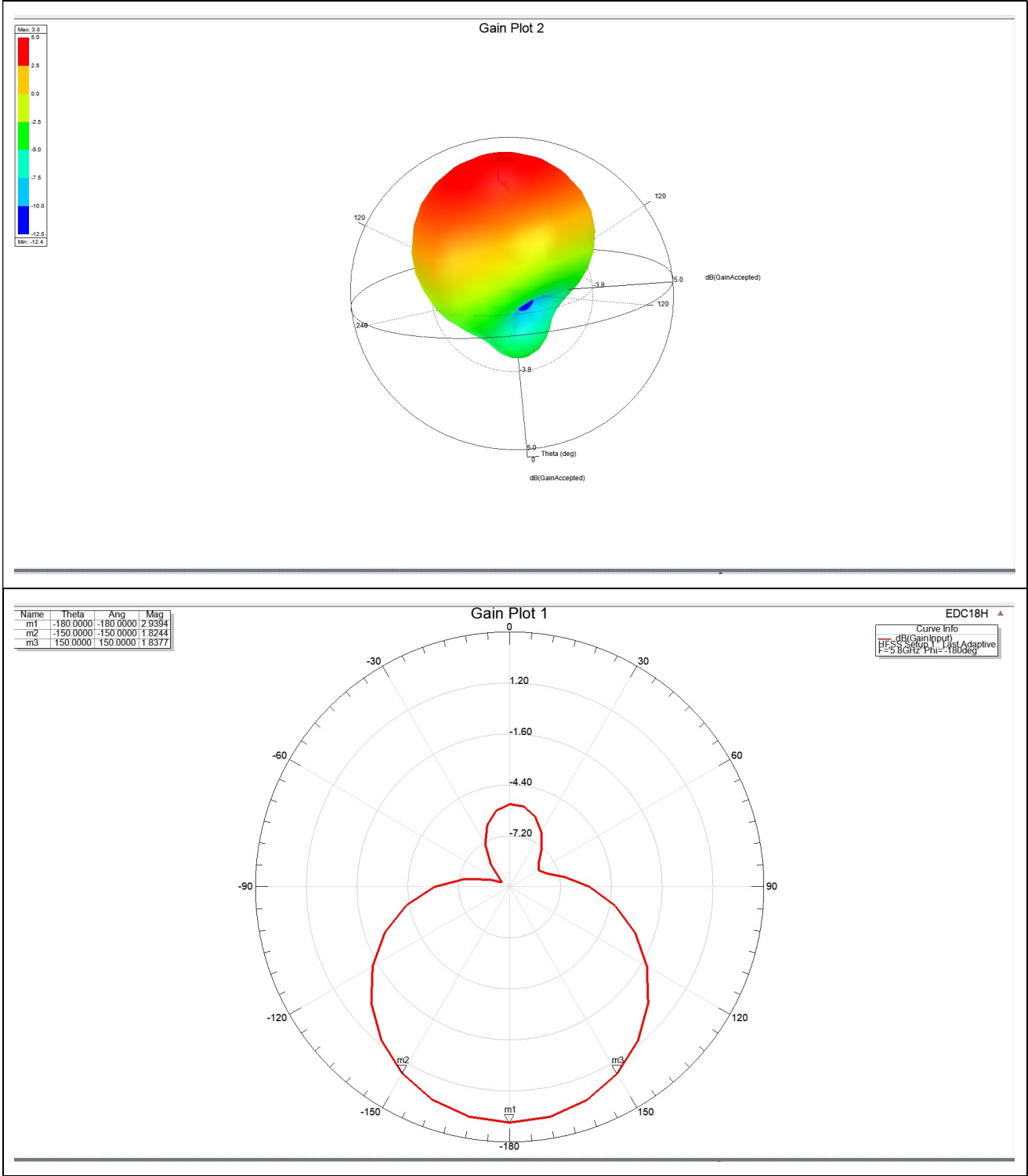
测试接收 和 发射的端口接线示意图 Test Receive and Transmit Port Wiring Diagrams:

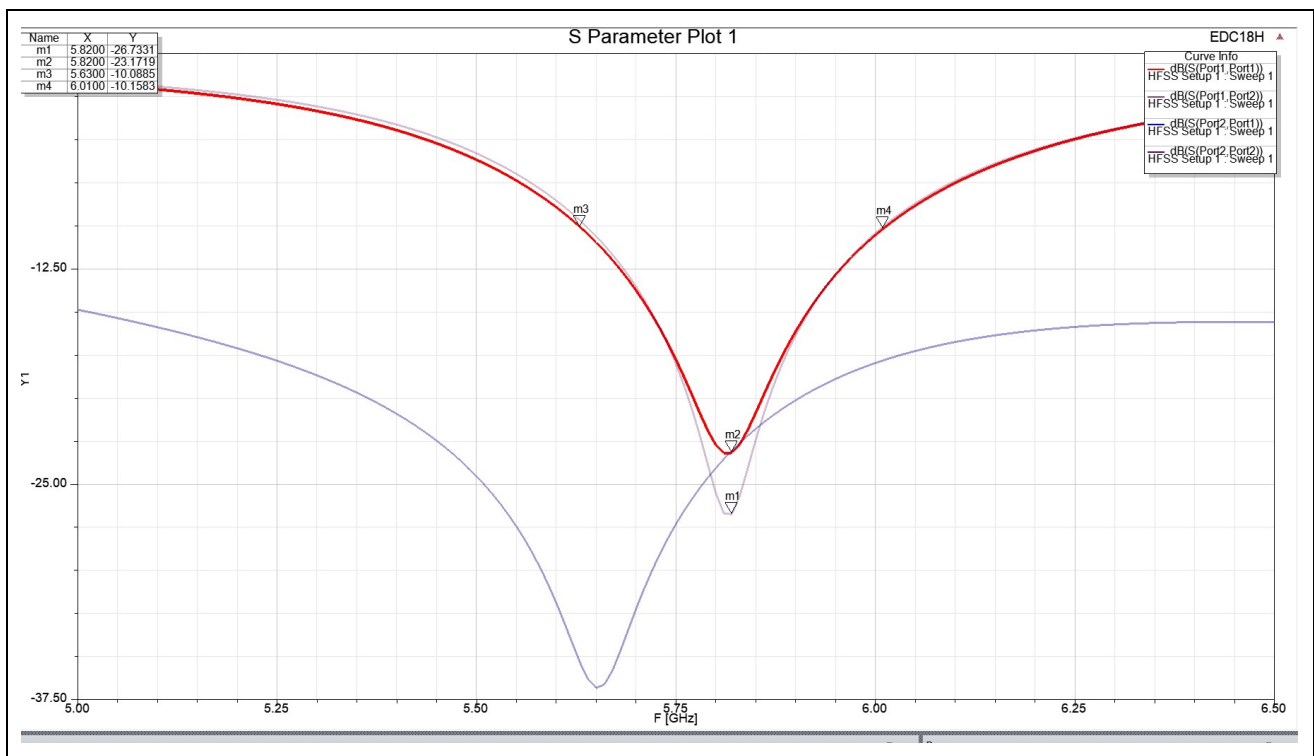
接收端接口连接线 receiver interface cable	发射端接口连接线 Transmitter interface cable

三、基本电性参数 Basic electrical parameters:

EDC18H 天线 EDC18H Antenna	参数范围 Parameter range
工作频率范围 Working Frequency	5725MHz-5875MHz
初始频段 (GHz)	5800MHz
射频工作模式 Radio Frequency Operating Modes	FSK
阻抗 Impedance	50 Ω
增益 Gain(dBi)	Max 3.0dBi
驻波比 VSWR	>2
工作温度 Operation Temperature	-20~85℃

四、2D/3D 仿真图 simulation graphics





2D/3D 仿真数据表 Simulation Data Sheet

S11:5.82GHz @-26.7dBi

Gain: max3.0dBi