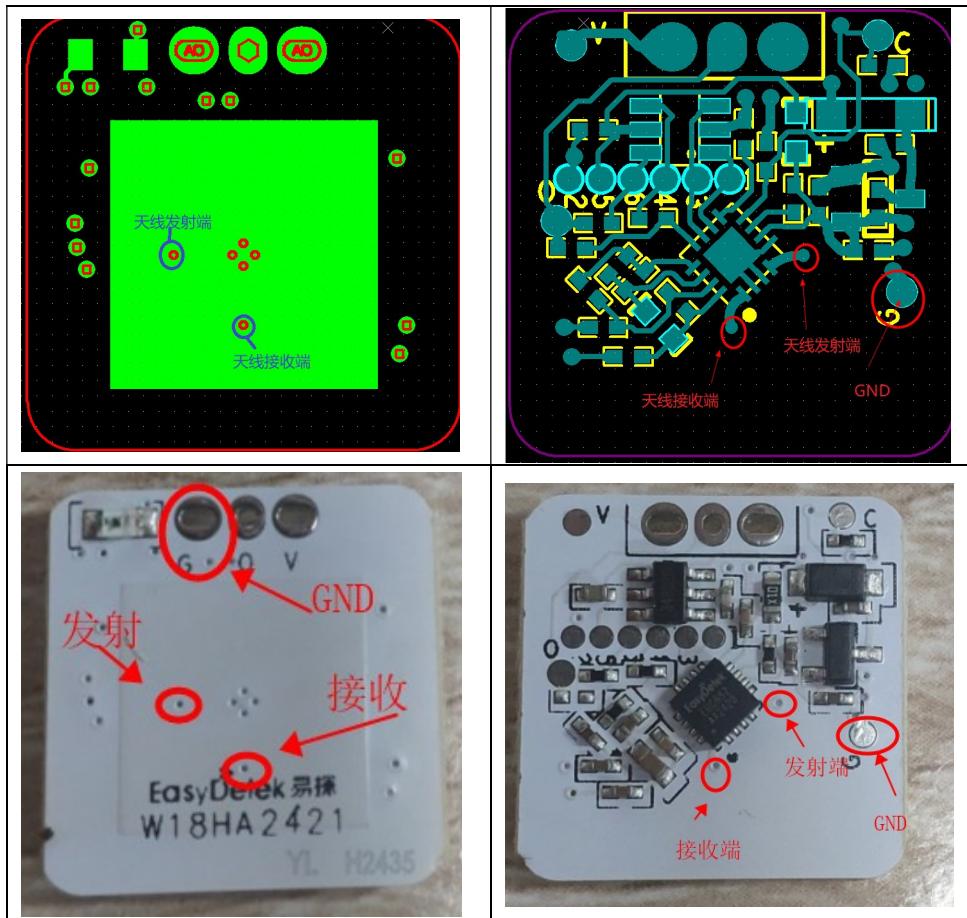
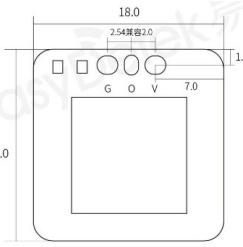
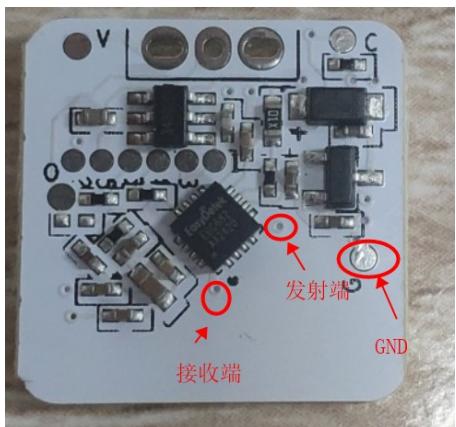


EDC18H-天线和供电连接说明 EDC18H-Antenna and Power Connection Instructions**一、天线结构 Antenna structure****二、接线说明 Second, the wiring said**

供电口说明 Description of power supply port:	射频接口说明 RF Interface Description:										
<p>供电口说明 Description of power supply port:</p>  <table border="1"> <thead> <tr> <th colspan="2">引脚说明</th> </tr> </thead> <tbody> <tr> <td>引脚</td><td>说明</td></tr> <tr> <td>G (GND)</td><td>地</td></tr> <tr> <td>O (Output)</td><td>输出IO/PWM</td></tr> <tr> <td>V (VIN)</td><td>供电5-12V</td></tr> </tbody> </table> <p>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)</p>	引脚说明		引脚	说明	G (GND)	地	O (Output)	输出IO/PWM	V (VIN)	供电5-12V	<p>射频接口说明 RF Interface Description:</p>  <p>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;</p>
引脚说明											
引脚	说明										
G (GND)	地										
O (Output)	输出IO/PWM										
V (VIN)	供电5-12V										

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).



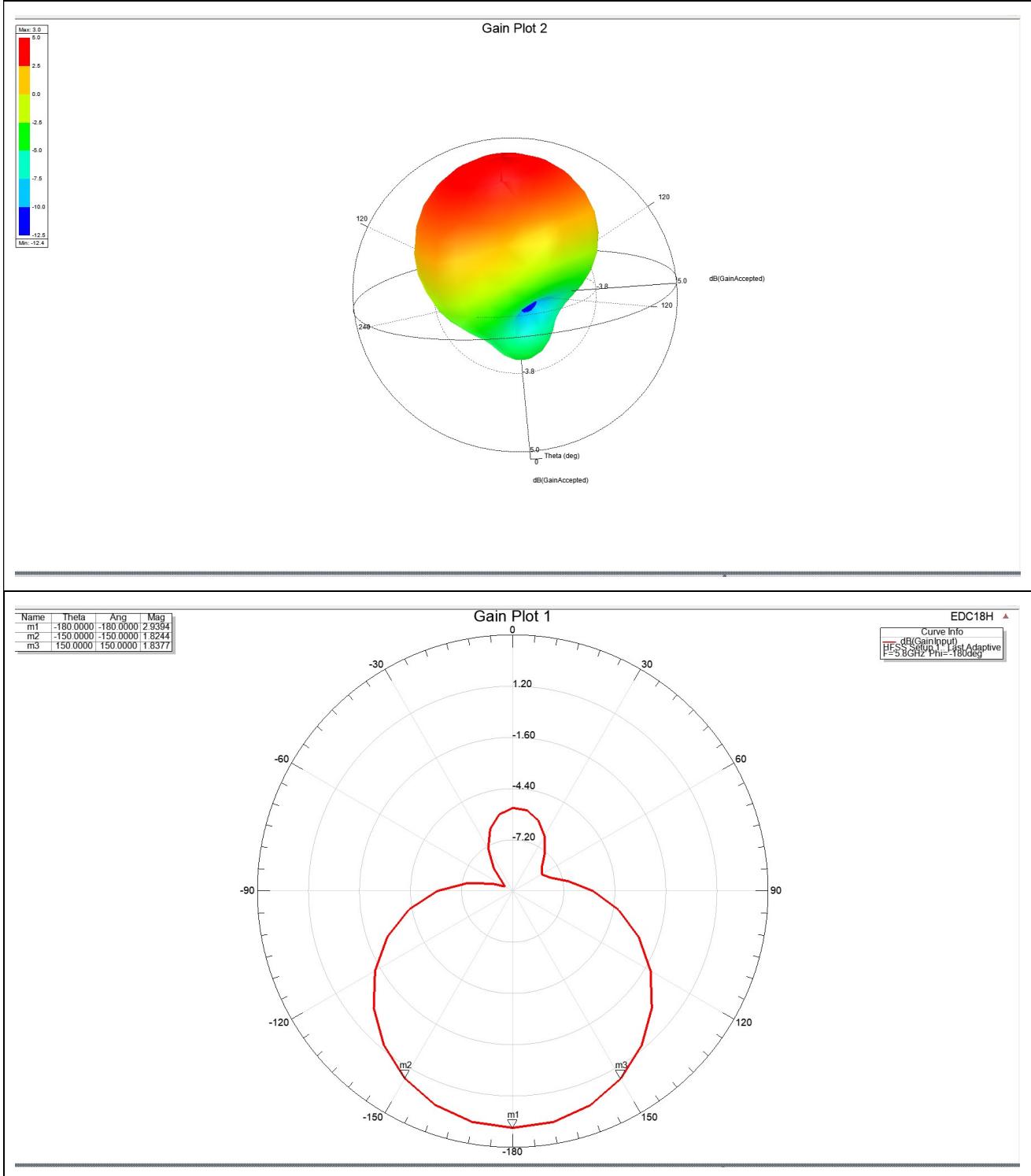
测试接收 和 发射的端口接线示意图 Test Receive and Transmit Port Wiring Diagrams:

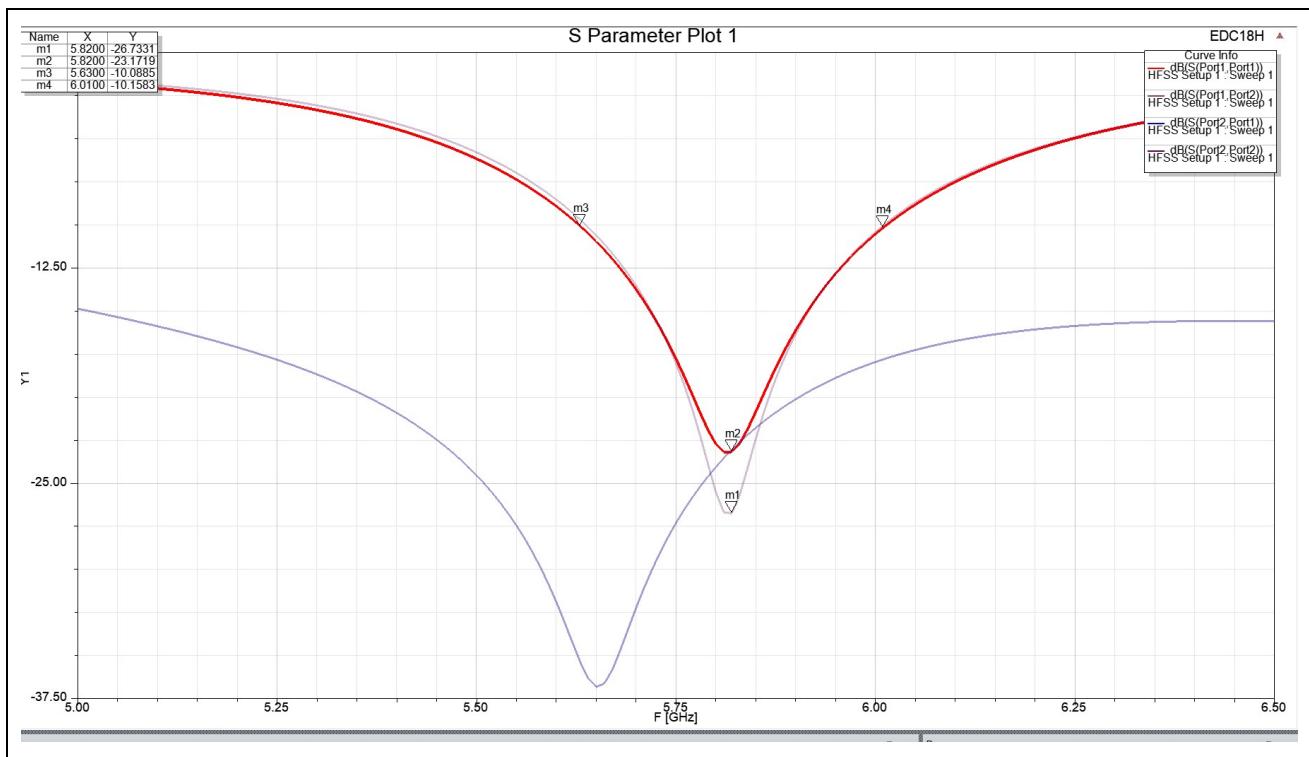
接收端接口连接线 receiver interface cable	发射端接口连接线 Transmitter interface cable

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	50Ω
增益 Gain(dBi)	Max 3.0dBi
驻波比 VSWR	>2
工作温度 Operation Temperature	-20~85°C

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