

[illegible]

Figure 1 shows the power supply circuit for the BT-ANT1 antenna. The circuit includes a BT ANT1 antenna connected to a 50Ω SMA connector. A 100Ω resistor (R1) is in series with the antenna. A 2.7V Zener diode (C73) is connected in parallel with the antenna. A 1.4M resistor (R14) is connected in parallel with the Zener diode. The circuit is grounded to a common ground (GND).

1. 无线设备ESD严重超标，目前无线设备根据产品调整。  
2. 无线ESD测试：  
测试条件：2V<Vrms<3.1V, Q<0.04p, 2V<Vd/Vr<5V  
测试设备：S10021D4S-RS17000 MAAS-ESD0001A (0402封装)。  
3. 无线设备无问题。

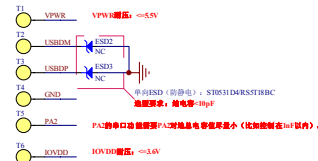
Figure 2 shows the schematic diagram of the power supply circuit for the BT-ANT1 antenna. The circuit includes a BT ANT1 antenna connected to a 50Ω SMA connector. A 100Ω resistor (R1) is in series with the antenna. A 2.7V Zener diode (C73) is connected in parallel with the antenna. A 1.4M resistor (R14) is connected in parallel with the Zener diode. The circuit is grounded to a common ground (GND).

1. 负载规格：≤100W（S22封装），≤80W（2016封装）。  
2. 额定电压：50V（C73）  
3. 额定频率：≤100MHz以内。



### 烧写场景说明

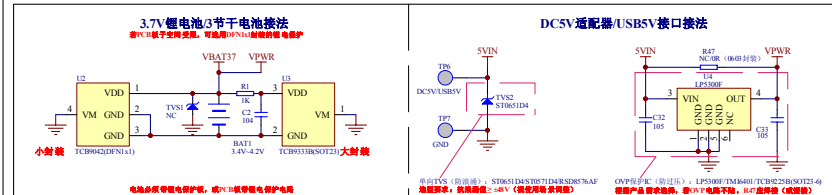
预留测试点，方便烧写、升级、测试



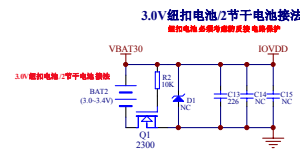
**TEST POINT**

注：电源输入需做好保护，防过压/过流/反接/浪涌/静电等。连接外设时，应避免过载输出。

方案1: 供电 $\geq 3.6V$ , 只能使用VPWR独立供电, 且IOVDD接退耦电容



**方案2: 供电<3.6V, 使用IOVDD独立供电 (VPWR悬空), 可支持最低功耗**



以上方案二选一

**POWER**