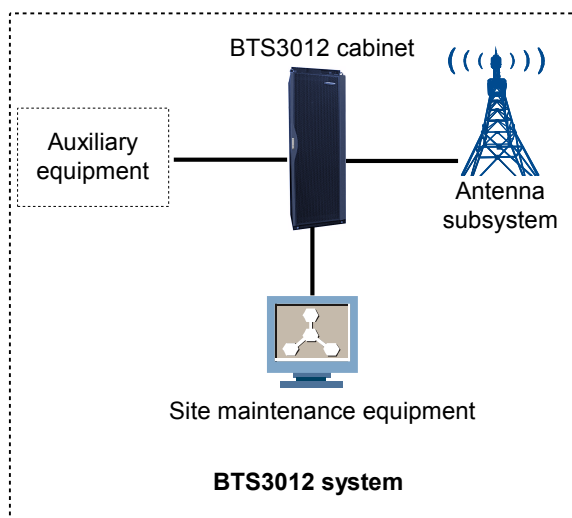


1 Components of the BTS3012 System

The BTS3012 system consists of the BTS3012 cabinet, antenna subsystem, site maintenance equipment, and auxiliary equipment.

Figure 1-1 shows the BTS3012 system.

Figure 1-1 BTS3012 system



BTS3012 Cabinet

As the core of the BTS system, the **BTS3012 cabinet** processes baseband signals and RF signals.

Antenna Subsystem

The **antenna subsystem** receives UL signals and transmits DL signals on the Um interface.

Site Maintenance Equipment

The equipment fulfills the **OM functions of the BTS**, such as security management, alarm management, data configuration, and maintenance management. The BTS3012 supports three **OM modes of the BTS**, that is, Site Maintenance Terminal, LMT, and Network iManager.

Auxiliary equipment

The BTS3012 can be configured with the following auxiliary equipment: **3.1 Sidepower**, **3.2 EMU**, **3.3 EAC-2** and various **sensors**. The auxiliary equipment fulfills the following functions: converting the power supply, monitoring the environment of the equipment room and the BTS, and reporting environment alarms.