

5 Control of RET Antennas

About This Chapter

Huawei GSM base station configured with the BT can control RET antennas.

[5.1 Control of Macro Base Station RET Antennas](#)

The RET antennas of the macro base station can be controlled by the method of BT + SBT + RCU.

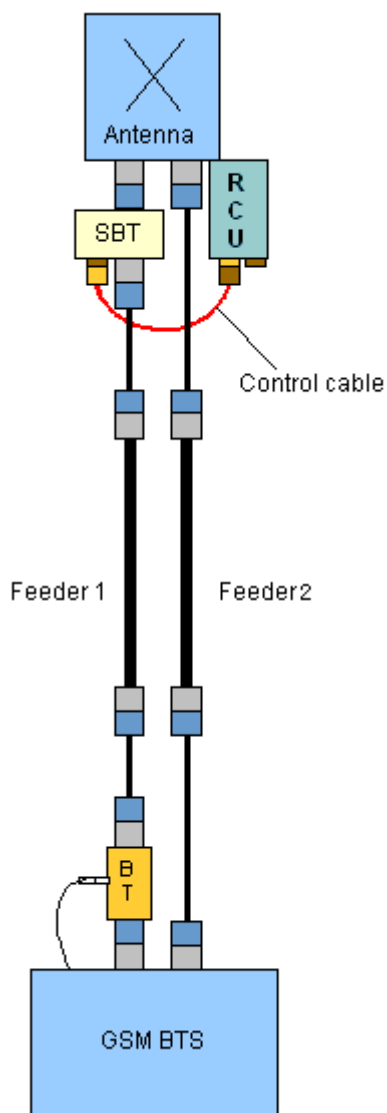
5.1 Control of Macro Base Station RET Antennas

The RET antennas of the macro base station can be controlled by the method of BT + SBT + RCU.

BT+SBT+RCU

Figure 5-1 shows the configuration of the BT + SBT + RCU method.

Figure 5-1 SBT + RCU



The procedure for adjusting the tilt of the RET antenna is as follows:

1. or the OMC sends the control signals for the RET antenna to the base station.
2. The BT receives the OOK signals from the base station, and then couples the OOK signals and DC power into a feeder.

3. In the SBT, the DC power is directly forwarded to the RCU, and the OOK signals are demodulated and then are converted into RS485 signals before being forwarded to the RCU.
4. When the RCU receives the RS485 signals, it runs the command as specified in the signals to adjust the antenna tilt.