

Protection function

The transceiver has a 2 step protection function to protect the final power amplifiers in case the antenna SWR becomes high.  
The function detects the power amplifier temperature and activates when the temperature becomes too high.

Power down transmission

Reduces the transmission output power.  
• “LMT” is displayed below **TX** while transmitting.

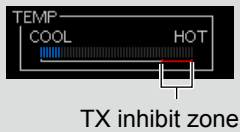
TX inhibit

Disables the transmitter.  
• **TX** is displayed instead of **TX** while the transmitter is disabled.

When the function is activated, wait until the power amplifier cools down by using the transceiver to only receive.

**NOTE:** Do not turn OFF the transceiver power when the Protection function is activated. If you do, the cooling fan will deactivate and it will take longer to cool down.

- You can check the power amplifier temperature with the TEMP gauge in the Multi-function meter.



REF adjustment

You can perform a rough frequency calibration by receiving the radio station WWV, WWVH, or other frequency signals.

- NOTE:**
- The transceiver has been adjusted and tested at the factory before being shipped out. You should not have to re-calibrate.
  - Before performing a frequency calibration, you have to set “Calibration Marker” to ON.
  - Spurious signal waveforms may be displayed while the Calibration Marker is ON.

① Before performing a frequency calibration, set the following items as described in the table below.

<b>AF</b> RF/SQL	Decent audibility
<b>AF</b> RF/SQL	Maximum RF gain
<b>TWIN PBT CLR</b>	Reset by holding down for 1 second.
Operating mode	USB
<b>RIT</b>	OFF (No RIT icon displayed)

1. Set the frequency to the standard frequency station minus 1 kHz.  
① If receiving WWV or WWVH (at 15.00000 MHz) as your standard frequency, set the operating frequency to 14.99900 MHz.
2. Set “Calibration Marker” to ON.  
**MENU** » **SET > Function > Calibration Marker**
3. Select the “REF Adjust” item.  
**MENU** » **SET > Function > REF Adjust**
4. Rotate **(MULTI)** to adjust for a zero beat with the received standard signal.  
① “Zero beat” means that the exact same frequencies are set to 2 signals, resulting in a single tone being transmitted.
5. Set “Calibration Marker” to OFF.
6. Push **(EXIT)** several times until the SET screen is closed.