1   T855 Link Selectable Features

The T855 comes with a number of link selectable features which give added system flexibility

1.1   Flat Or De-emphasised Response

The links of PL101 and PL103 may be set to give either a flat or de-emphasised audio frequency response (refer to Section 3.3 in Part B for further details).

1.2   Mute Relay Control

A relay with undedicated contacts (RL100) is available in the audio processor circuit block for various switching applications. A link (PL102) is available for control of the relay from the mute circuit (refer to Section 3.3 in Part B). This makes the relay suitable for controlling the keying of a transmitter in repeater applications.

1.3   Mute Selection

Link PL104 may be set to operate with noise mute or carrier mute (refer to Section 3.3 in Part B).

1.4   Receiver Disable

The receiver audio can be disabled by pulling the "Rx disable" line low. When the circuit is pulled from low to high, the receiver audio cannot be re-enabled until the disable timer completes its operation. This time is variable from 15ms to 200ms by adjusting RV101 in the audio processor section.

If required, the operation of this circuit can be disabled by changing the link of PL100 from 1-2 to 2-3.

Typical applications of the receiver disable are as an extra mute for signalling purposes, or when the T855 is configured as a line controlled base station (refer to Section 4 in Part G).

1.5   CTCSS Configuration

Links PL105 & PL106 select various CTCSS options (refer to Section 3.3.2 in Part B).

1.6   300Hz High Pass Filter

Link PL105 also allows the insertion of this filter to improve hum and noise performance.