

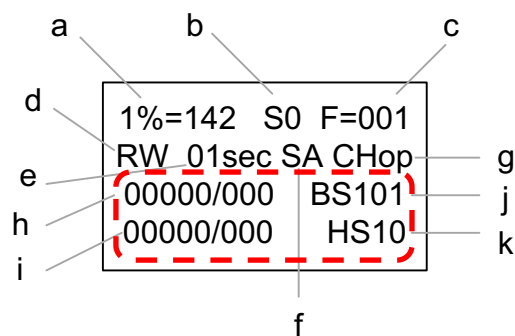
RSSI Performance test

You can use RSSI (Receive Signal Strength Indication) and BER (Bit Error Rate) test to give a clear indication of performance of the handset and the base.

Procedure: for SP-935/FreeStyl-SIP

Press MENU, # # # # *, and then "SELECT" for HS to BS item in BER test.

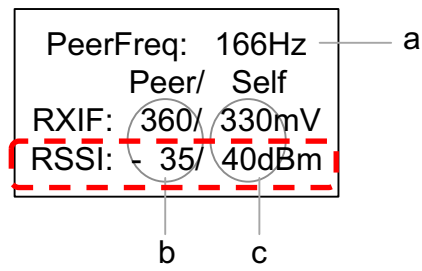
The display will show something like



- The error number of 1 percent according to (d).
- Time slot number. (Sn, n=0~3)
- Frequency offset index.
- The mode of calculating bit error (Raw/Pre-Raw/Mid-Raw/Post-Raw/Overall/Protected/Un-Protected).
- The time length of calculating bit error (1~20 sec).
- Information screen update mode (Simple/Moving average. Simple: normal mode. Moving : update information right away if error).
- Hopping frequency mode. (Hopping/Fixed frequency)
- The received bit error number; BER (left) and frame error number; FER (right) at base side.
- The received the bit error number; BER (left) and frame error number; FER (right) at handset side.
- ID of the other side.
- Own ID.

➔ For acceptable voice quality over air, BER in the row h and I should be under 142.

Then press "Down" key to see RSSI value and frequency offset.



- a. Frequency offset
- b. **RXIF and RSSI of the other side.**
- c. Own RXIF and RSSI

➔ For acceptable voice quality over air, the RSSI value should be more than -80dBm.

➔ The frequency offset (FREQ) should be under $\pm 1500\text{Hz}$