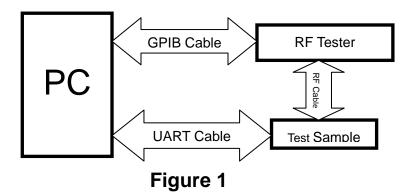
Turn up



1 Adjustment of RF Output Power:

- (1) The equipment setup as shown in Figure 1.
- (2) Operation of PC adjusts equipment.
- (3) Use RF Engineering Tools at PC side.

Select GSM850 Band:

- 1) Set GSM850 Band.
- 2) Set ARFCN: 190
- 3) TX ON.
- 4) Adjust the power to 33dBm (Power control level: PCL=5) by PA DAC value.
- 5) Repeat 4) for 15 times, and adjust the power level to 31dBm, 29dBm, 27dBm, 25dBm, 23dBm, 21dBm, 19dBm, 17dBm, 15dBm, 13dBm, 11dBm, 9dBm, 7dBm, 5dBm.
- 6) Make 16 Ramp-Up/Ramp-Down data from the adjustment value of (5) and (6).

- 7) Data of 5) and 6) is written to flash memory.
- 8) The power output tolerance in GSM850MHz is +0.5dB/- 1.5dB. Select PCS1900 Band:
- 1) Set PCS Band.
- 2) Set ARFCN: 661.
- 3) TX ON.
- 4) Adjust the power to 30dBm (Power control level: PCL=0) by PA DAC value.
- 5) Repeat 4) for 15 times, and adjust the power level to 28dBm, 26dBm, 24dBm, 22dBm, 20dBm, 18dBm, 16dBm, 14dBm, 12dBm, 10dBm, 8dBm, 6dBm, 4dBm, 2dBm, 0dBm.
- 6) Make 16 Ramp-Up/Ramp-Down data from the adjustment value of (5) and (6).
- 7) Data of 5) and 6) is written to flash memory.
- 8) The power output tolerance in GSM1900MHz is +0.5dB/- 1.5dB.

2 Adjustment of RX Sensitivity:

- (1) Select GSM850 Band:
- 1) Set BCCH level: -85dBm; ARFCN: 190.
- 2) Test sample make a call to connect RF Tester.
- 3) Set TCH level:-102dBm.
- 4) Measure BER II error at TCH ARFCN:128,190,251.

- 5) Turn up the RX matching circuit to make sure BER II <2.44% at each ARFCN.
- (2) Select PCS1900 Band:
- 1) Set BCCH level: -85dBm; ARFCN: 661.
- 2) Test sample make a call to connect RF Tester.
- 3) Set TCH level:-100dBm.
- 4) Measure BER II error at TCH ARFCN:512,661,810.
- 5) Turn up the RX matching circuit to make sure BER II <2.44% at each ARFCN.