Document No HGT200-464	Title: **SA4602D93 Max power test Procedure**				Name & sign	Date
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Rev A				Checked		
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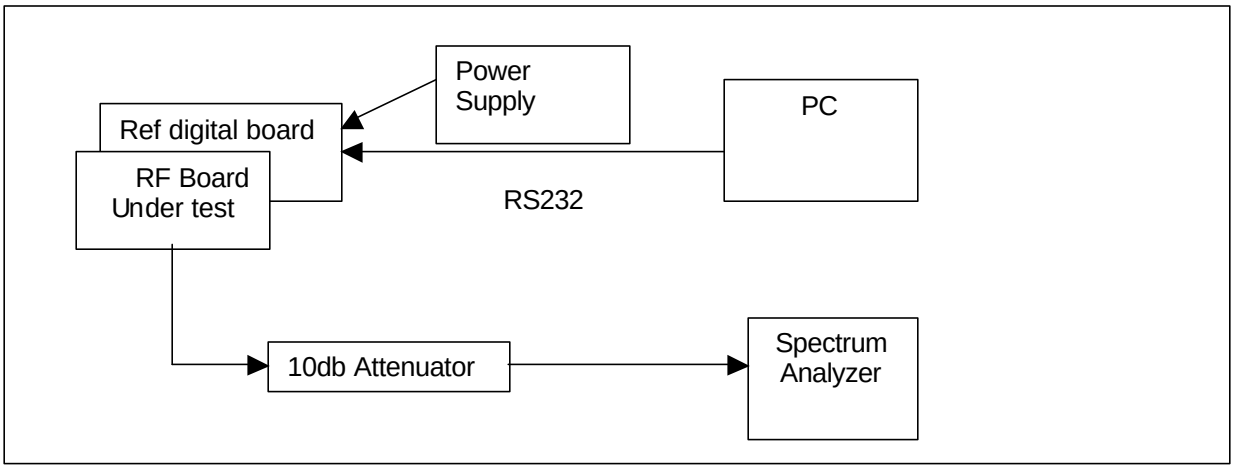
Of 2	Project		Date 11-Feb-04			

1. General

1.1. The test procedure is applicable for RF board p/n SA4602D93

2. Equipment
   - 2.1. Desktop power supply 24VDC/2A.
   - 2.2. HP-E4411B Spectrum Analyzer.
   - 2.3. Accessories Test Kit p/n QA063 including:
     - 2.3.1. RS232 Digital Board.
     - 2.3.2. 2x RF Cable p/n QA063/C
     - 2.3.3. Serial comm. cable.
     - 2.3.4. 10db attenuator.
   - 2.4. PC with STARCORE test software

3. Test Fixture:



- 3.1. Connect the Power supply positive to TB1(1), and the negative to TB1(2).
- 3.2. Connect the serial comm. cable to PC.
- 3.3. Connect the RF board under test to the socket on the digital PCB.
- 3.4. Connect the RF cable and the 10db attenuator between the RF board antenna connector and the spectrum analyzer input.
- 3.5. On the spectrum analyzer load the setup program 916MAXPWR.STA
  (Parameters included: Center frequency 916.5MHz, Resolution bandwidth: 300KHz, Amplitude compensation for cable & Attenuator)

4. Test Procedure

4.1. Turn ON the power supply, run the test software. Wait until power up sequence ended.
4.2. Program RF power to 255 (maximum value).
4.3. Connect jumper at JP3(5-6).
4.4. Press MAX-HOLD, wait 3-4 Seconds and press PEAK-SEARCH.
4.5. Verify reading 19.5mW. If power is more then 19.5mW change R76 to 110K and repeat the test. If still fails, change R76 to 120K and repeat the test. If still fails, board is rejected.
4.6. Disconnect the jumper at JP3(5-6).
4.7. Program RF power to 125 (default Transmission power).
4.8. Power off the power supply.