

FCC ID: **NM8SN**

Statement

Body SAR measurements

Probe calibration

At the time when the tests were performed, SPEAG (the SAR test system manufacturer) did not provide the Probe Conversion Factor at 1900 MHz. The Conversion Factor for 1900 MHz body tissue was used provided by SPEAG.

Right now the a calibrated probe (different s/n) for which the Conversion Factors at 1900 MHz is similar to that used during the measurements. Therefore, we can assume that the previous probe had at 1900 MHz the same Factor as at 1800 MHz.

Operating system

The test report indicates the CMU 200 in the test equipment list. This base station simulator was used to control the phone during testing.

The device was set to the relevant frequencies **1850.2, 1880.0 and 1909.8 MHz** (low, mid and high channel). The power was set to the highest level, which has to be within 30 ± 2 dBm according the GSM specifications.

The GPRS mode with the highest number of time slots was used to produce the highest SAR values.

Test system accessories

The dielectric holder is provided by the test system manufacturer and consists of material with a dielectric constant less than 5.0, which will not effect the measurements.

The dipoles for system validation were delivered with the test system and fulfill the specifications of IEEE P1528.

Device under Test

The tested device is identical to the production units.

CETECOM Inc.
411 Dixon Landing Road
Milpitas, CA 95035
U.S.A.
Phone: + 1 408 586 6200
Fax: + 1 408 586 6299
e-mail: info@cetecomusa.com
URL: www.cetecom.com

Output power

The output power is measured before the tests. The result is recorded on page 5. Each single test shows the power drift on the result pages with the plots.

Positioning procedure

This report is only related to body SAR measurements therefore the phone was attached to the flat part of the phantom using the original belt clip from HTC, which provided a spacing of 10 mm between antenna and phantom. See photos on page 15 and 16.

Lothar Schmidt
Technical Manager