For SAR evaluation of the handset, refer to TCB Exclusions List Revised on 17 July 2002. Transmitter with output power less than 60/fGHz (d < 2.5cm) can be certified by TCB without the SAR evaluation.

In fact, the Output power for transmitters is the higher of the conducted or radiated (EIRP) source-based time-averaged output. And the *f*GHz is mid-band frequency in GHz, and *d* is the distance to a person's body, excluding hands, wrists, feet, and ankles.

For the tested model of 95339,

Base unit:
The measured peak conducted power was 2.21mW and the source-based time averaged output power was 0.99mW as TX duty cycle of the handset is 44.7%.

The maximum field strength (FS) was 96.2dBμV/m at 925.800MHz. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters.

From these data, the EIRP can be calculated by:

$$EIRP = (FS*D)^2 / 30$$

$$= 1.25mW$$

Source-based time averaged output power = (1.25 x 0.447)mW

$$= 0.56mW$$

Handset:
The measured peak conducted power was 1.16mW and the source-based time averaged output power was 0.52mW as TX duty cycle of the handset is 44.7%.

The maximum field strength (FS) was 93.6dBμV/m at 914.400MHz. The distance (D) between the antenna and the equipment under test (EUT) was 3 meters.

From these data, the EIRP can be calculated by:

$$EIRP = (FS*D)^2 / 30$$

$$= 0.69mW$$

Source-based time averaged output power = (0.69 x 0.447)mW

$$= 0.31mW$$

Based on the above calculation, it is concluded that the base unit and handset can be certified by TCB without the SAR evaluation.