

**Assessment Notes by BABT as TCB for the 9050
Portable Data Terminal**

**For Symbol Technologies Inc under FCC ID number
H9PMC9050**

BABT file number US/000039

I have reviewed the TÜV-PS SAR test report WS611296 issue 3 in respect of the above product and I have the following comments:

The expanded measurement uncertainty is shown on page 11 at 20.57%, which is acceptable for this kind of measurement. The body simulant fluid was correctly calibrated within 5% of the target values and the measurements were taken within 100MHz of the calibrated frequency of the fluid, which was 2450MHz.

Important note to FCC reviewer:

This device is a portable data terminal scanning and general data applications. The maximum measured SAR level at 2412 MHz is 2.037W/kg for 1g averaging. This is greater than the limit for the general population of 1.6W/kg averaged over 1g. The manufacturer declared that the device would be subject to usage conditions of 1cm separation from the body. A declaration of this nature is attached to this submission. Tests were performed at a distance of 1.0cm from the body simulant fluid at several frequencies and the maximum measured SAR value was found to be 0.527W/kg at 2412MHz and 0.755 at 2472MHz for 1g averaging. These results are obtained under CW mode working which will not occur in practice.

The device is not designed to be used close to the body and will normally be hand held therefore no special training is required to use the device to limit RF exposure therefore this equipment has been tested for general population usage. When carrying the device the user will either hand carry the equipment or use a belt-clip, which contains no metal parts and maintains a distance of 1.0cms from the users body. It is viewed that this device DOES MEET the SAR requirements for a body-worn device for use by the general population even allowing for worst-case measurement uncertainties. Appropriate Grant conditions have been applied to this submission.

I confirm that I have undergone SAR awareness training by the FCC at the TCB Council workshops in August 2001, February 2002, April 2002 and October 2002.

A handwritten signature in black ink that reads 'Alan Binks'.

Alan Binks
Certification Manager, BABT
20th August 2003