



**Assessment Notes by BABT as TCB for a Symbol 21-64436
Main Terminal Module (MTM) with embedded Radio.**

**For Symbol Technologies Inc under FCC ID number
H9P2164436**

BABT file number US/000053

I have reviewed the TÜV-PS SAR test report WS611514 issue 2 in respect of the above product and I have the following comments:

The expanded measurement uncertainty is shown on page 11 at 20.80%, 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:

The overall device is a radio module intended to be embedded into a hand-held host normally used for data scanning applications. The maximum measured SAR level at 2437 MHz is 0.514W/kg for 1g averaging. This is less 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 1.0cm separation from the body. A declaration of this nature is attached to this submission. 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 1.0cm 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 blue ink that reads 'Alan Binks'.

Alan Binks
Certification Manager, BABT
23rd November 2003