

**Assessment Notes by BABT as TCB for the H9PPDT8056 & 8037  
Portable Data Terminals**

**For Symbol Technologies Inc under FCC ID numbers  
H9PPDT8056 & H9PPDT 8037**

**BABT file number US/000031 & US/000032**

I have reviewed the TÜV-PS SAR test report WS610827 in respect of the above product and I have the following comments:

The expanded measurement uncertainty is shown on page 10 at 20.57%, which is acceptable for this kind of measurement.

**Important note to FCC reviewer:**

This device is a portable data terminal scanning and general data applications. The maximum measured SAR level at 1900 MHz is 0.399W/Kg and at 2450 MHz is 0.016W/Kg for 1g averaging, which is well less than the limits for the general population of 1.6W/kg averaged over 1g. No special training is required to use the device to limit RF exposure therefore this equipment has been handled as a general population device. This maximum SAR is obtained at a distance of 0cm from the user. In practice the user will always use a belt-clip, which contains no metal parts and maintains a distance of 1.5cms 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.

I have noted the following:

On the vertical SAM plots figures 30, 31, 32 & 33 there is some evidence of the peak SAR points being clipped. This is not an issue in this case as the SAR was in the background noise level and very low. The laboratory has been advised to ensure "peaks" are not clipped but in this case as the levels are extremely low and it is not a problem.

The permittivity of the 1900 fluid is not present on plot 24. This has been confirmed to be 52.97 as per plots 25 and 26.

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.



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4<sup>th</sup> April 2003