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27 August 2004

To FCC

SAR evaluation for Maxon MX-V30
FCC id: RXUMX-V30

I have assessed SAR report WS612478 -002 Issue 1.00.

The maximum recorded body SAR from the 1900 transmitter in GPRS mode was 0.4 W/kg with 10 mm separation.
The maximum recorded head SAR from the 1900 transmitter in GSM mode was 1.56 W/kg with 10 mm separation.

The test report included the required calibration data, SAR system set up information, phantom and probe descriptions, individual results , and fluid parameters.

The following were noted and resolved during the evaluation.

1: Comparison of GSM and GPRS Modes .

The Maximum conducted output power was measured in both modes and demonstrated no significant difference in power levels.

The EMC and SAR report radiated power levels compared.
It was considered appropriate that the Head SAR testing occurred in GSM mode while the body SAR tests were conducted in GPRS mode.

2: Headset, Holster, and battery
The User manual did not list any alternate batteries, nor any specified holster.

The effects on body SAR of connecting the declared headset was addressed within the initial testing. Since this showed no difference with respect to SAR the included results are for the equipment without the headset attached.

The Test Report clarification letter confirms the identity of the headset and the operating conditions in which it was used.

3: User Guide.

The User Guide contains the statement listed on page 49 of the SAR test report related to device separation and use of non metallic clips.

4: Flip Cover

The device has a flip cover.

The Test Report clarification letter confirms the operating conditions and "open/shut" conditions under which testing was conducted.

5: Modulations cited for Figures 26 to 29.

SAR report WS612478 -002 Figures 26 to 29 cited an incorrect modulation duty cycle. The Test Report clarification letter confirmed this was a typographical error and that the correct value was used during testing.

I completed the FCC SAR training in May 2003 and am satisfied the presented data demonstrates compliance to the required clauses. .

Yours sincerely

Hilton Carr
Task Manager, Certification and Technical Development
For BABT TCB