SEMKO FCC QUESTIONS RELATING TO WS609286

The information listed below is in response to questions posed in an email dated 6th May 2002 from Monica Roos Team Leader Team Bluetooth Radio & EMC Department SEMKO AB

1) The accessory exhibit shows multiple headsets. Which headsets are you applying for? Provide photo's of each one. Provide SAR tests with each one.

a) Only one headset is shown, the other device in the photograph is a serial cable.

b) Headset part number is not know by BABT so customer will need to provide details to FCC.

c) Paragraph 3 on page 6 describes SAR test performed on headset.

2) What is the distance between the device and device antenna to the flat phantom?

a) Figure 5 shows device in test position under the flat phantom. Distance between antenna and flat phantom is 11.0mm.

3) Provide user's manual RF exposure information for body worn use. Include the distance measured for SAR testing.

a) User Manual needs to be supplied to FCC but this must contain the distance at which SAR measurement was made, ie 11.0mm.

4**) The output power of .5 does not agree with the original filing. What is the correct conducted output power? What was the conducted output power before and after the SAR tests?**

a) Unsure of where 0.5 output power reading has originated from. This is not in BABT report. Power before and after SAR tests are shown below:

Frequency (MHz)	POWER (dBm)	
	Before	After
2401	-25.3	-27.0
2442	-16.1	-16.4
2481	-19.7	-20.7

5) What mode was the device in during tests? Was the device hopping function enabled or disabled when testing the three frequencies?

a) Mode not specified in report but there the technical documentation provided by RTX shows how the unit was set up for test and software used. Please see attached Acrobat File to email.

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6) Provide SAR plots for all three frequencies tested. The plots must include the correct tissue parameters, the proper probe calibration factors at 2450 MHz and Crest factor. Also, the SAR plots should be superimposed on the outline of the device to indicate the location of the maximum SAR for each plot.

a) Do not have autoscan files for device on any of 3 scans, consequence of this is poor visualisation of SAR scan against flat phantom. Original software package did not allow the scanned image to be displayed graphically on the side of the Flat Phantom. I have managed to display the first plane of the 3D scan and superimposed the outline of the Handset in the position of assessment.

If images not acceptable the only alternative is to resubmit the handset as the latest software issue allows the digitised image to be displayed over the 2d Scanned area.

7) Provide the probe calibration certificate for the probe at 2450 MHz.

a) No probe cal for 2450 specifically – current probe cal already attached to report, although does not cover 2450MHz. I have been advised that the probe cal for 1800MHz should cover 2450MHz.

8) Provide documents for system verification performed prior to tests. Show target and measured values.

a) Please see section 2.7 of report WS609286A1

9) Ensure that all SAR procedures follow supplement C. Ensure that Specific information for SAR measurements in Appendix B, II of supplement C are submitted.

a) Have reviewed Supplement C and believe that the report covers the aspects required in II: Specific Information for SAR Measurements.

10) Our customer has also noticed that the EUT (equipment under test) is incorrect stated. The test report states NSM Technology DECT Phone (belt clip and headset configuration). The EUT is a 2.4GHz handset. Can you help us to correct the description of the EUT in the test report and send us corrected pages or a new test report?

a) Draft Revised report attached.

Best Regards

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