



Response to FCC Correspondence 21626

Dosimetric Assessment of the Siemens S-46 (FCC ID: PWX-S46) According to the FCC Requirements

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approval of the testing laboratory.

Please find attached the requested additionally information to correspondence 21626 (FCC ID PWX-S46):

1. The ambient temperature for the test was in the range from 22.6° C to 23.5° C and was regulated by an air condition. The liquid temperature varied between 22.1° C and 22.6° C.

date	ambient temperature [° C]	liquid temperature [° C]
10/30/2001	22.6	22.1
10/31/2001	23.1	22.5
11/01/2001	23.5	22.6
11/02/2001	22.9	22.4

2. The following pictures show the current liquid depth in the two SAM phantoms which were used for the SAR measurements. The pictures show the head liquids for 800MHz/900MHz and 1800MHz/1900MHz. A z-axis scan with the tested phone is not possible since the phones were send back to the manufacturer. We also state that the liquid depth for the body liquids were at least 15 cm as required.



Current liquid depth (16.5 cm) for the 800MHz/900MHz head liquid



Current liquid depth (16.4 cm) for the 1800MHz/1900MHz head liquid

3. Table 3 and 5 contains only the values for the middle channel and the additionally channels for the worst case position since Supplement C stated: If the SAR measured at the middle channel for each test configuration (left, right, Cheek/Touch, Tilted/Ear, extended and retracted) is at least 2.0 dB lower than the SAR limit, testing at the high and low channels is optional for such test configuration(s), (Supplement C, page 40: Devices Operating next to a person's Ear). Although the SAR values for the middle channels were below 1.0 W/kg the edge channels were measured for the worst case positions.

4. The IMST GmbH provides two SAM phantoms for SAR measurements which have a fixed location in the setup, one is used for 800MHz/900MHz measurements and is labeled as SAM. The second is used for 1800Mhz/1900MHz measurements and is labeled as GSM 1800. The designation is used in the DASY3 software to distinguish between both phantoms and is “only” a name for the used phantom. The additionally information in the plot show the used liquid parameters and probe data and clarify that the right parameters were used. See also statement in the dipole validation plots which show the same configuration. For future FCC measurements we will change the name of the phantoms to avoid this confusion.



Prepared by:.....

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