Deutscher Akkreditierungs Rat

DAT-P-152/98-01

Appendix for the Report

Dosimetric Assessment of the Portable Device

Simatic Mobile Panel from Siemens (FCC ID: nonexistent)

According to the FCC Requirements

SAR Distribution Plots

November 06, 2007

IMST GmbH
Carl-Friedrich-Gauß-Str. 2
D-47475 Kamp-Lintfort

Customer
ETS Product Service AG
Storkower Strasse 38c
15526 Reichenwalde

Table of Contents

1 SAR Distribution Plots, 5500 MHz range

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 277IWlan_ywhm_h_ch104_Ant_A.da4

DUT: Siemens Mobile Panel; Type: 277IWlan;
Program Name: Body Worn

Communication System: 5 GHz ; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.86 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN3536; ConvF(4.71, 4.71, 4.71); Calibrated: 18.09.2007
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

d=10mm, Pin=250mW/Area Scan (19x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.000 mW/g

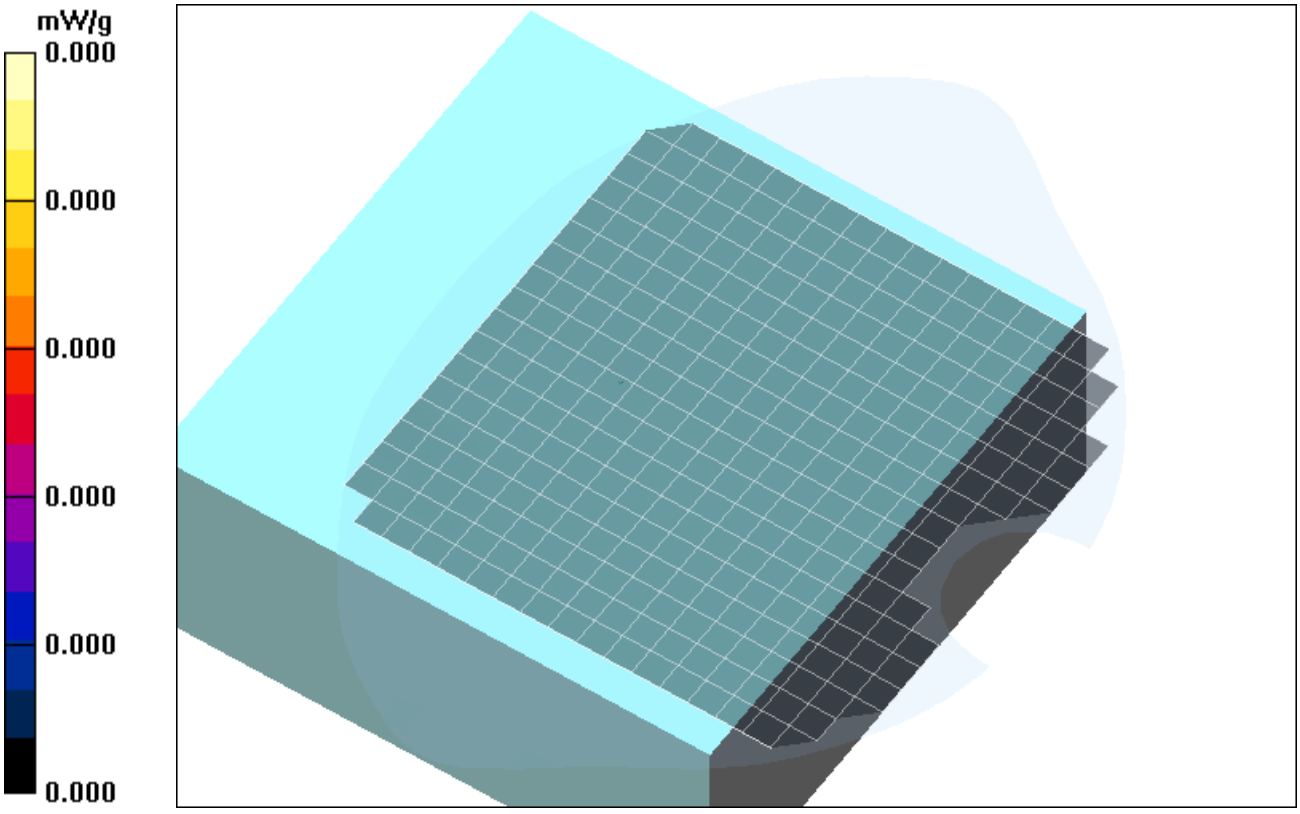

Fig. 1: SAR distribution for the Siemens Simatic Mobile Panel, Antenna A, a-mode, channel 104, back side touching the phantom (November 05, 2007; Ambient Temperature: 22.0°C; Liquid Temperature: 21.0°C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: 277IWlan_ywhm_h_ch104_Ant_B.da4

DUT: Siemens Mobile Panel; Type: 277IWlan;
Program Name: Body Worn

Communication System: 5 GHz ; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5500 MHz; σ = 5.86 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: EX3DV4 - SN3536; ConvF(4.71, 4.71, 4.71); Calibrated: 18.09.2007
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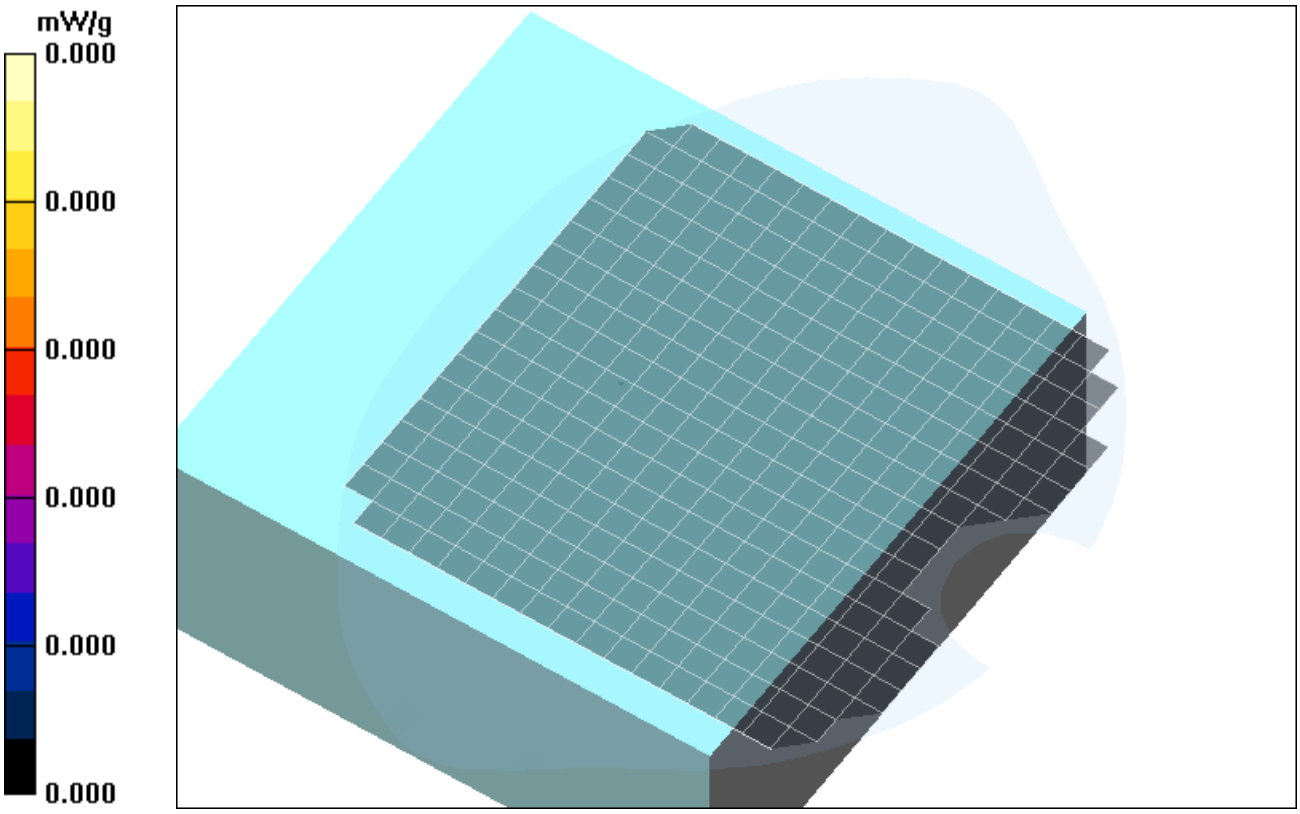

Fig. 2: SAR distribution for the Siemens Simatic Mobile Panel, Antenna B, a-mode, channel 104, back side touching the phantom (November 05, 2007; Ambient Temperature: 22.0°C; Liquid Temperature: 21.0°C).

2 SAR z-axis scans (Validation)

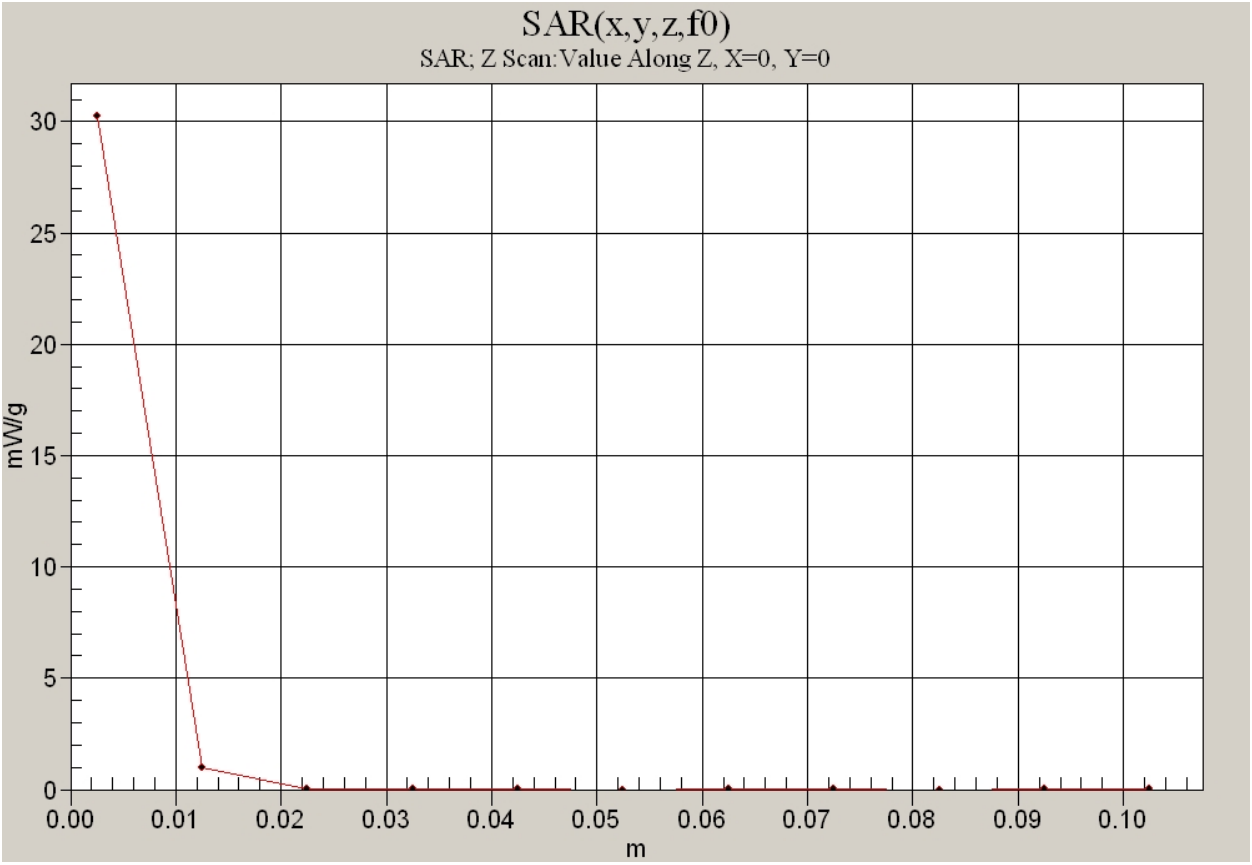

Fig. 3: SAR versus liquid depth, 5500 MHz Body (November 05, 2007; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).