
Appendix for the Report

Dosimetric Assessment of the Mobile Telephone Telit GS/GSM SAT600 According to the FCC Requirements

April 29, 2002
IMST GmbH
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Customer
Telit Mobile Terminals S.p.A.

The test results only relate to the items tested.
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approval of the testing laboratory.

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1 SAR Distribution Plot.

Since all measurements have similar distributions, only the plot with the highest SAR is shown below. Due to the length of the antenna and the position of the loudspeaker the maximum field strength is outside the measurement range.

$\sigma = 1.49 \text{ [mho/m]}$ $\epsilon_r = 39.4$ $\rho = 1.04 \text{ [g/cm}^3\text{]}$
 Coarse Grid $Dx = 20.0$ $Dy = 20.0$ $Dz = 10.0 \text{ [mm]}$
 SAR [mW/g] Max: 0.00
 SAR (1g): 0.0009 [mW/g] SAR (10g): 0.0001 [mW/g]

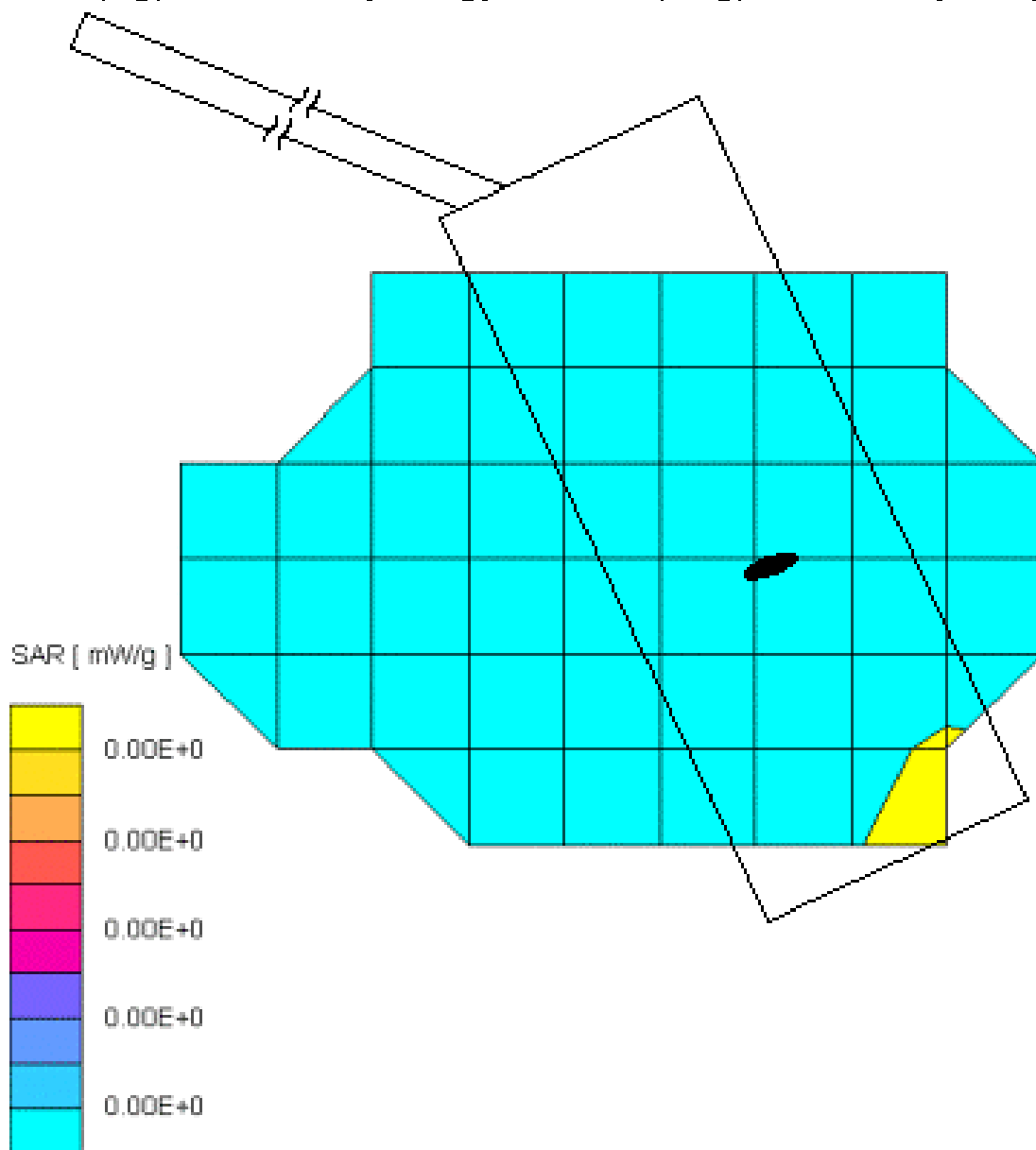


Fig. 1: SAR distribution plot, Telit GS/GSM SAT 600, high channel, right head side.

2 Probe Calibration Data

Schmid & Partner Engineering AG

Staffelstrasse 8, 8045 Zurich, Switzerland, Telefon +41 1 280 08 60, Fax +41 1 280 08 64

Calibration Certificate

Dosimetric E-Field Probe

Type:

ET3DV5

Serial Number:

1332

Place of Calibration:

Zurich

Date of Calibration:

December 18, 1999

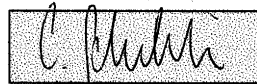
Calibration Interval:

12 months

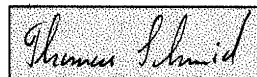
Schmid & Partner Engineering AG hereby certifies, that this device has been calibrated on the date indicated above. The calibration was performed in accordance with specifications and procedures of Schmid & Partner Engineering AG.

Whereever applicable, the standards used in the calibration process are traceable to international standards. In all other cases the standards of the Laboratory for EMF and Microwave Electronics at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland have been applied.

Calibrated by:



Approved by:



**Schmid & Partner
Engineering AG**

Staffelstrasse 8, 8045 Zurich, Switzerland, Telefon +41 1 280 08 60, Fax +41 1 280 08 64

Probe ET3DV5

SN:1332

Manufactured:	December 20, 1997
Last calibration:	January 12, 1999
Recalibrated:	December 18, 1999

Calibrated for System DASY2

ET3DV5 SN:1332

DASY2 - Parameters of Probe: ET3DV5 SN:1332**Sensitivity in Free Space**

NormX	0.89 $\mu\text{V}/(\text{V}/\text{m})^2$
NormY	0.82 $\mu\text{V}/(\text{V}/\text{m})^2$
NormZ	0.87 $\mu\text{V}/(\text{V}/\text{m})^2$

Diode Compression

DCP X	37500 μV
DCP Y	37500 μV
DCP Z	37500 μV

Sensitivity in Tissue Simulating Liquid

Brain 450 MHz $\epsilon_r = 48 \pm 5\%$ $\sigma = 0.50 \pm 10\%$ mho/m

ConvF X	5.08 extrapolated	Boundary effect:
ConvF Y	5.08 extrapolated	Alpha 0.81
ConvF Z	5.08 extrapolated	Depth 1.38

Brain 900 MHz $\epsilon_r = 42.5 \pm 5\%$ $\sigma = 0.86 \pm 10\%$ mho/m

ConvF X	4.78 $\pm 7\%$ (k=2)	Boundary effect:
ConvF Y	4.78 $\pm 7\%$ (k=2)	Alpha 0.77
ConvF Z	4.78 $\pm 7\%$ (k=2)	Depth 1.62

Brain 1500 MHz $\epsilon_r = 41 \pm 5\%$ $\sigma = 1.32 \pm 10\%$ mho/m

ConvF X	4.39 interpolated	Boundary effect:
ConvF Y	4.39 interpolated	Alpha 0.71
ConvF Z	4.39 interpolated	Depth 1.93

Brain 1800 MHz $\epsilon_r = 41 \pm 5\%$ $\sigma = 1.69 \pm 10\%$ mho/m

ConvF X	4.19 $\pm 7\%$ (k=2)	Boundary effect:
ConvF Y	4.19 $\pm 7\%$ (k=2)	Alpha 0.68
ConvF Z	4.19 $\pm 7\%$ (k=2)	Depth 2.08

Sensor Offset

Probe Tip to Sensor Center	2.7	mm
Optical Surface Detection	1.9 $\pm$ 0.2	mm