| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |

# Addendum to

# "SAR Test Report: T60c"

**Date of test:** July 23-25, 2001

**Laboratory:** Electromagnetic Near Field and Radio Frequency Dosimetry Laboratory
Ericsson, Inc.
7001 Development Drive, P.O. Box 13969,
Research Triangle Park, NC, 27709, USA

**Test Responsible:** Mark Douglas, Ph.D.
Senior Technical Leader, Antenna Development Group

This laboratory is accredited to ISO/IEC Guide 25-1990 to perform the following electromagnetic tests:
Specific Absorption Rate (SAR), dielectric parameters, and RF power measurement on the following types of products:
Wireless communications devices

A2LA certificate Number: 1650-01

**Statement of Compliance:** Ericsson, Inc. declares under its sole responsibility that the product

**T60c**

to which this declaration relates, is in conformity with the appropriate RF exposure standards, recommendations and guidelines. It also declares that the product was tested in accordance with the appropriate measurement standards, guidelines and recommended practices. Any deviations from these standards, guidelines and recommended practices are noted below:

(none)

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| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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## 1. Introduction

This test report is an addendum to report EUS/CV/R-01:0701/REP, "SAR Test Report: T60c." In this report, compliance of the Ericsson T60c portable telephone with RF safety guidelines is demonstrated using carry accessories with the whip antenna extended (applicable RF safety guidelines are given in [1]). The device was tested in accordance with the same test guidelines as used in the original SAR test report [1]. Detailed procedures of the test are described in the *Ericsson SAR Measurement Specification* [1].

## 2. Device Under Test

## 2.1 Antenna description

| | | |
|---|---|---|
| ***Type*** | Internal antenna + retractable antenna | |
| ***Location*** | Inside the back cover, near the top | |
| ***Dimensions*** | Maximum length for internal antenna | 38 mm |
| | Maximum width for internal antenna | 42 mm |
| | Maximum length for retractable | 80 mm |
| ***Configuration*** | Patch antenna + whip | |

## 2.2 Device description

| | | | |
|---|---|---|---|
| ***Device model*** | T60c | | |
| ***FCC ID*** | AXATR-413-A2 | | |
| ***Serial number*** | UA202092T8 | | |
| ***Mode*** | 800 AMPS | 800 CDMA | 1900 CDMA |
| ***Multiple Access Scheme*** | FDMA | CDMA | CDMA |
| ***Maximum Output Power Setting*** [1] | 26.25 dBm | 23.4 dBm | 23.4 dBm |
| ***Factory Tolerance in Power Setting*** | ± 0.25 | ± 0.40 | ± 0.40 |
| ***Maximum Peak Output Power*** [2] | 26.50 dBm | 23.80 dBm | 23.80 dBm |
| ***Duty Cycle*** | 1 | 1 | 1 |
| ***Transmitting Frequency Range*** | 824 – 849 MHz | 824 – 849 MHz | 1851 – 1909 MHz |
| ***Prototype or Production Unit*** | Prototype | | |

## 3. Test equipment

## 3.1 Dosimetric system

SAR measurements were made using two DASY3 professional systems (software version 3.1c), manufactured by Schmid & Partner Engineering AG and installed in February 1998, and November 2000. The extended SAR assessment uncertainty (K = 2) is ±32% with a +15% offset. This assessment uncertainty includes measurement uncertainty (±24%) and phantom uncertainty (±10%), as described in [1]. This results in a total uncertainty range of –17% to +47%. The equipment list is given below.

[1] This is the conducted power measured at the antenna port when the device is set to its highest power setting. It is measured at the middle of the transmit frequency band. Note that the output power may be different at other frequencies.

[2] This equals the maximum output power setting plus the factory tolerance.

| Description | Serial Number | Due Date |
|---|---|---|
| DASY3 DAE V1 | 431 | 05/2002 |
| E-field probe ET3DV5 | 1337 | 06/2002 |
| Dipole Validation Kit, D900V2 | 049 | 01/2003 |
| Dipole Validation Kit, D1800V2 | 217 | 12/2001 |

## 3.2 Additional calibrated equipment

| Description | Serial Number | Due Date |
|---|---|---|
| Signal Generator HP8648C | 3537A01598 | 09/2002 |
| Dielectric probe kit HP 85070B | US33020256 | 10/2001 |
| Network analyser HP 8752C | 3410A03105 | 07/2001 |
| Power meter E4418B | GB40206594 | 09/2001 |
| Power sensor HP 8482H | 3318A07097 | 02/2002 |
| Power meter HP 437B | 3125U13729 | 06/2002 |
| Power sensor HP 8482H | 3318A09268 | 08/2001 |

## 4. Electrical parameters of the tissue simulating liquid

Prior to conducting SAR measurements, the relative permittivity, $\varepsilon_r$, and the conductivity, $\sigma$, of the tissue simulating liquids were measured with the dielectric probe kit. These values are shown in the table below. The mass density, $\rho$, entered into the DASY3 program is also given. Recommended limits for maximum permittivity, minimum conductivity and maximum mass density are also shown [2]. It is seen that the measured parameters result in an overestimation of SAR compared to the recommended values.

| *f* (MHz) | Tissue type | Limits / Measured | Dielectric Parameters | | | Chamber Temp. (°C) |
|---|---|---|---|---|---|---|
| | | | $e_r$ | s (S/m) | r (g/cm$^3$) | |
| **835** | **Muscle** | **Measured, 7/24/01** | 56.47 | 0.97 | 1.00 | 22.0 |
| | | **Measured, 7/25/01** | 56.56 | 0.98 | 1.00 | 22.3 |
| | | **Recommended Limits [2]** | 56.11 | 0.95 | 1.04 | -- |
| **1800** | **Muscle** | **Measured, 7/23/01** | 39.35 | 1.73 | 1.00 | 22.6 |
| | | **Measured, 7/24/01** | 39.40 | 1.72 | 1.00 | 22.1 |
| | | **Recommended Limits [2]** | 54.44 | 1.39 | 1.04 | -- |

## 5. System accuracy verification

A system accuracy verification of the DASY3 was performed using the dipole validation kits listed in Section 3.1. The system verification test was conducted on the same day as the measurement of the DUT. The obtained results are displayed in the table below (SAR values are scaled to 1 Watt power delivered to the antenna). It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values. At 900 MHz and 1800MHz, reference values are taken from the system manufacturer. The distributions of SAR compare well with those of the reference measurements (see Appendix 1).

| *f* (MHz) | Tissue type | Measured / Reference | SAR (W/kg), 1 gram/10 gram | Dielectric Parameters | | | Chamber Temp. (°C) |
|---|---|---|---|---|---|---|---|
| | | | | $e_r$ | s (S/m) | r (g/cm$^3$) | |
| **900** | **Muscle** | **Measured, 7/24/01** | 11.24/7.03 | 55.93 | 1.03 | 1.00 | 22.0 |
| | | **Measured, 7/25/01** | 10.72/6.83 | 55.74 | 1.03 | 1.00 | 23.0 |
| | | **Reference** | 11.08/7.08 | 56.10 | 0.99 | 1.00 | -- |
| **1800** | **Muscle** | **Measured, 7/23/01** | 41.63/21.02 | 39.35 | 1.73 | 1.00 | 22.8 |
| | | **Measured, 7/24/01** | 41.69/20.81 | 39.40 | 1.72 | 1.00 | 23.0 |
| | | **Reference** | 40.00/20.20 | 40.0 | 1.72 | 1.00 | -- |

## 6. Test results

The measured 1and 10-gram averaged SAR values of the device are provided in Tables 1 and 2. Also shown are the measured conducted output powers and the temperature of the test facility during the test. The depth of the tissue simulating liquid was at least 15 cm for all the cases except for muscle in 800 AMPS mode. In this case, a depth of 14.2 cm was used. Test commands were used to control the device during the SAR measurements. The phone was supplied with a fully charged battery for the tests.

The device with the whip antenna extended was tested against a flat phantom representing the user's body, using product # SXK 109 4518/2, product # SXK 107 6820/55, and product # SXK-109 4705. SAR was measured at the lowest, middle and highest frequencies of the 800 AMPS and 1900 CDMA bands (800 CDMA is not necessary due to the significantly lower output power).

| mode | *f* (MHz) | Output Power (dBm) | SXK 109 4518/2 | | | SXK 107 6820/55 | | |
|---|---|---|---|---|---|---|---|---|
| | | | Chamber Temp. (°C) | SAR, 1g /10g (W/kg) | | Chamber Temp. (°C) | SAR, 1g /10g (W/kg) | |
| | | | | measured | Calculated to max. power | | measured | Calculated to max. power |
| 800 AMPS | 824 | 25.8 | 22.8 | **0.89/0.60** | **0.98/0.66** | 22.0 | **0.97/0.66** | **1.06/0.72** |
| | 837 | 26.1 | 22.9 | 0.58/0.40 | 0.64/0.44 | 22.1 | 0.60/0.41 | 0.66/0.45 |
| | 849 | 25.9 | 22.8 | 0.65/0.44 | 0.71/0.48 | 22.0 | 0.70/0.48 | 0.77/0.53 |
| 1900 CDMA | 1851 | 23.1 | 23.1 | 0.43/0.22 | 0.49/0.25 | 23.3 | 0.21/0.11 | 0.24/0.13 |
| | 1880 | 23.2 | 23.2 | 0.53/0.27 | 0.61/0.31 | 23.3 | 0.35/0.18 | 0.40/0.21 |
| | 1909 | 23.2 | 23.1 | **0.56/0.29** | **0.64/0.33** | 23.2 | **0.41/0.22** | **0.47/0.25** |

**Table 1: SAR measurement results for the Ericsson T60c telephone at highest possible output power. Measured against the body using carry accessory SXK 109 4518/2and SXK 107 6820/55.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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| mode | *f* (MHz) | Output Power (dBm) | SXK-109 4705 Back of the phone against holster | | | SXK-109 4705 Front of the phone against holster | | |
|---|---|---|---|---|---|---|---|---|
| | | | Chamber Temp. (°C) | SAR, 1g /10g (W/kg) | | Chamber Temp. (°C) | SAR, 1g /10g (W/kg) | |
| | | | | measured | Calculated to max. power | | measured | Calculated to max. power |
| 800 AMPS | 824 | 25.8 | 22.8 | **0.93/0.66** | **1.02/0.72** | 22.9 | 0.83/0.59 | 0.91/0.65 |
| | 837 | 26.1 | 22.9 | 0.55/0.38 | 0.60/0.42 | 22.9 | 0.60/0.42 | 0.66/0.46 |
| | 849 | 25.9 | 22.8 | 0.70/0.49 | 0.77/0.54 | 22.8 | 0.60/0.42 | 0.66/0.46 |
| 1900 CDMA | 1851 | 23.1 | 22.9 | 0.15/0.09 | 0.17/0.10 | 23.0 | 0.31/0.18 | 0.36/0.21 |
| | 1880 | 23.2 | 23.0 | 0.26/0.15 | 0.30/0.17 | 22.9 | 0.38/0.22 | 0.44/0.25 |
| | 1909 | 23.2 | 22.9 | 0.36/0.17 | 0.41/0.19 | 22.9 | **0.44/0.25** | **0.50/0.29** |

**Table 2: SAR measurement results for the Ericsson T60c telephone at highest possible output power. Measured against the body using carry accessory SXK-109 4705.**

## References

[1] C. Törnevik, M. Siegbahn, T. Persson, M. Douglas, and R. Plicanic, "Ericsson SAR measurement specification", Internal Document ERA/TF-00:037, March 2001.

[2] Federal Communications Commission, "Tissue Dielectric Properties," http://www.fcc.gov/fcc-bin/dielec.sh.

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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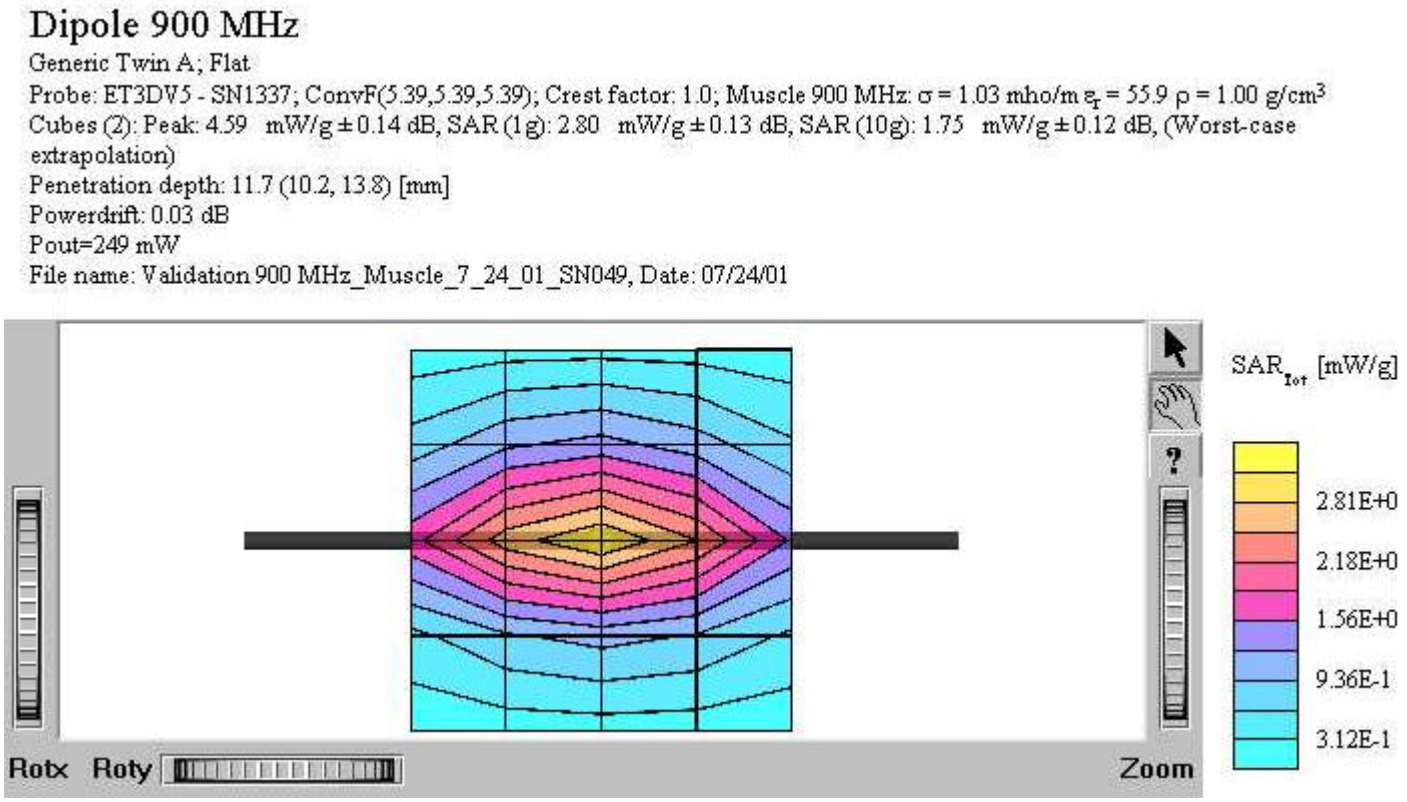
**Appendix 1: SAR distribution comparison for system accuracy verification**




**900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on July 24, 2001. Using muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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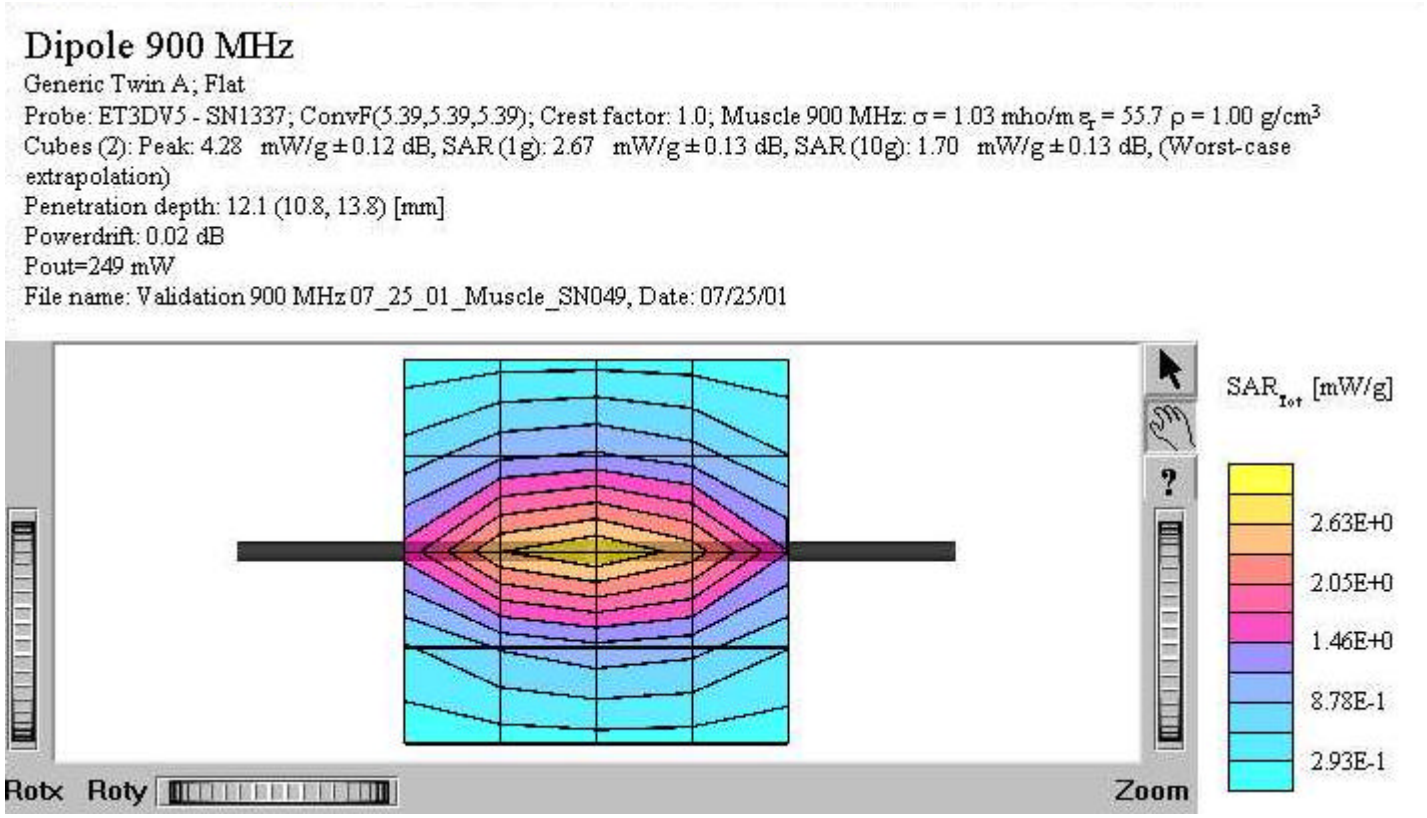


**900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on July 25, 2001. Using muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
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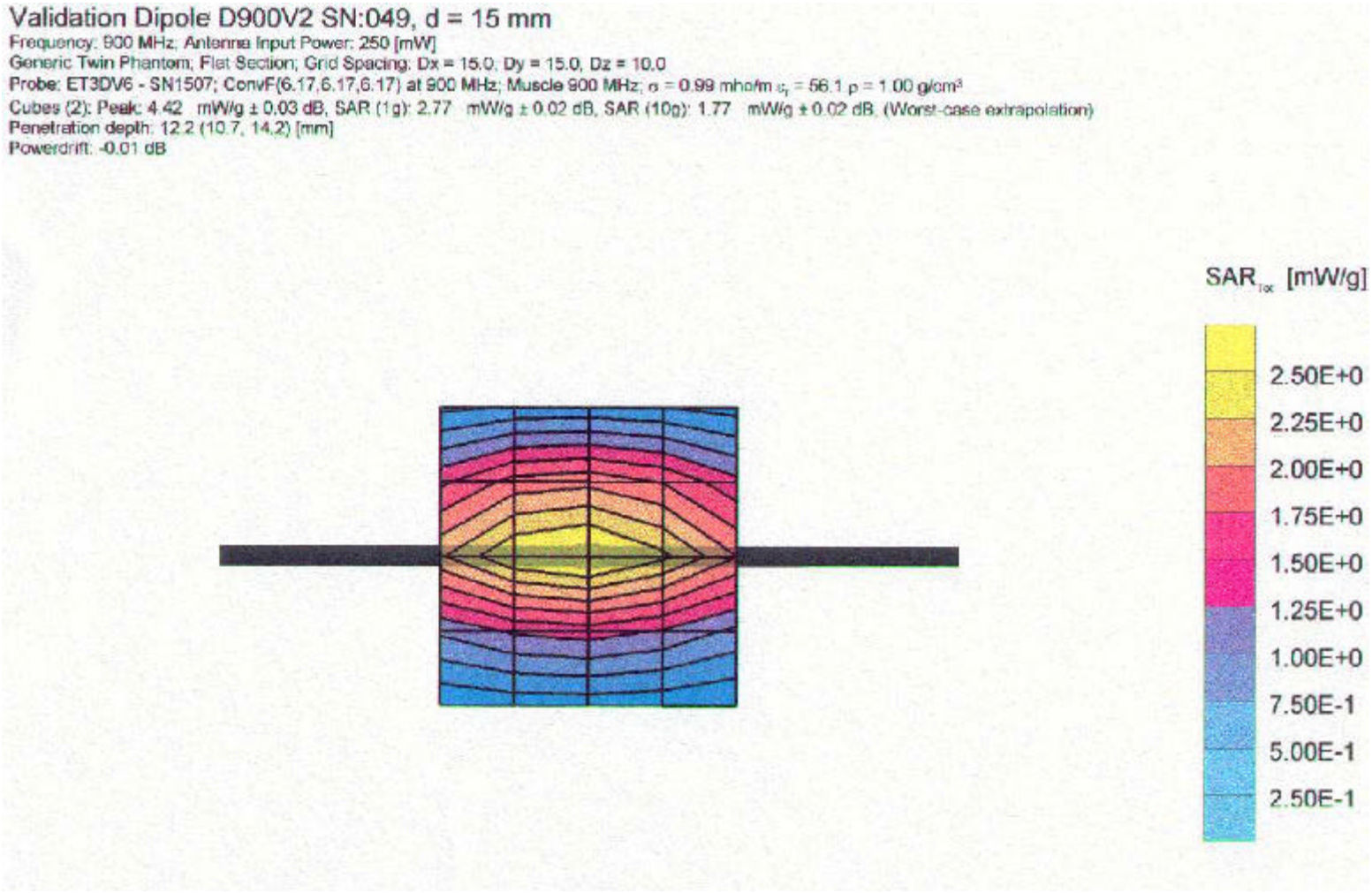
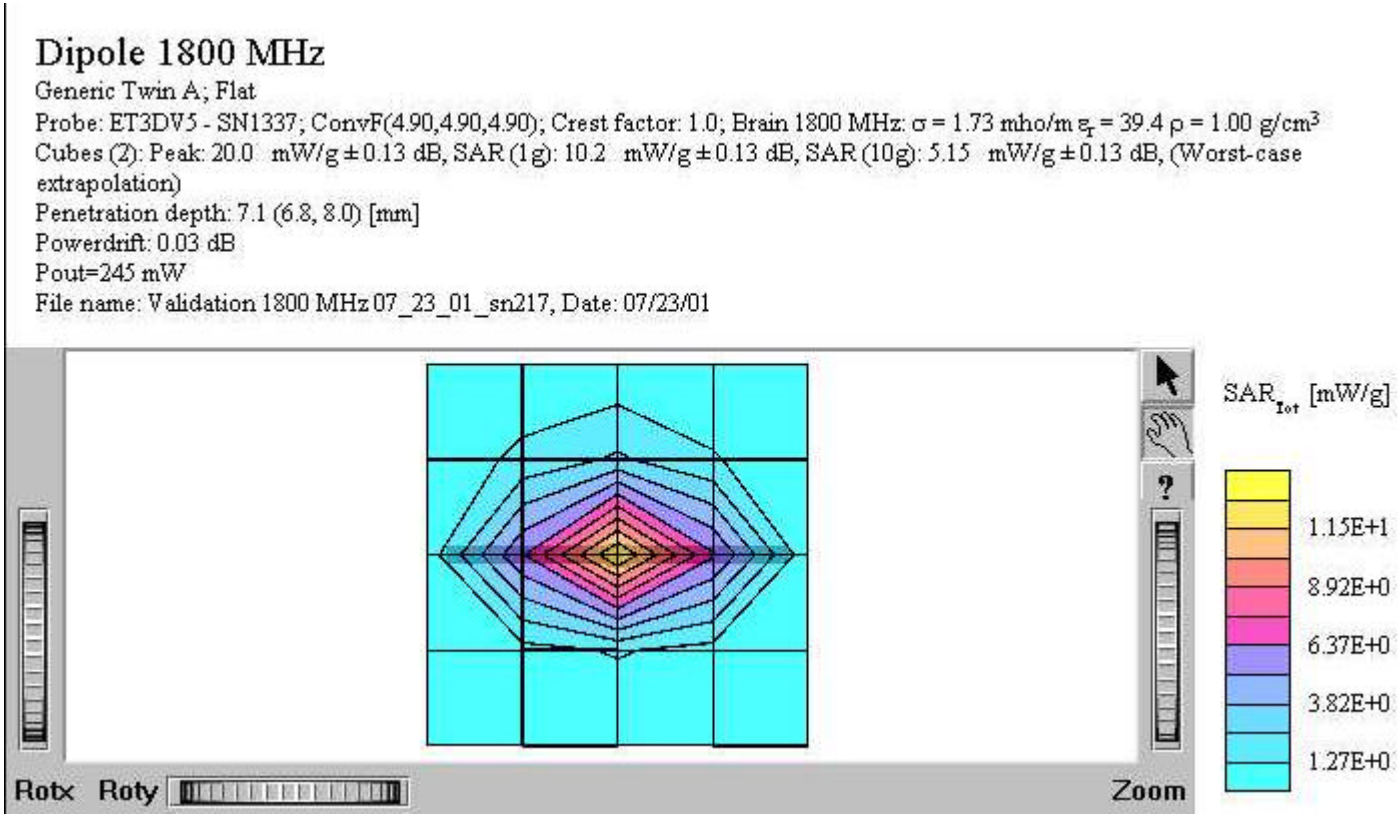



**900 MHz SAR distribution of validation dipole antenna from reference measurement. Using muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |




**1800 MHz SAR distribution of validation dipole antenna from system accuracy verification test on July 23, 2001. Using head/muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
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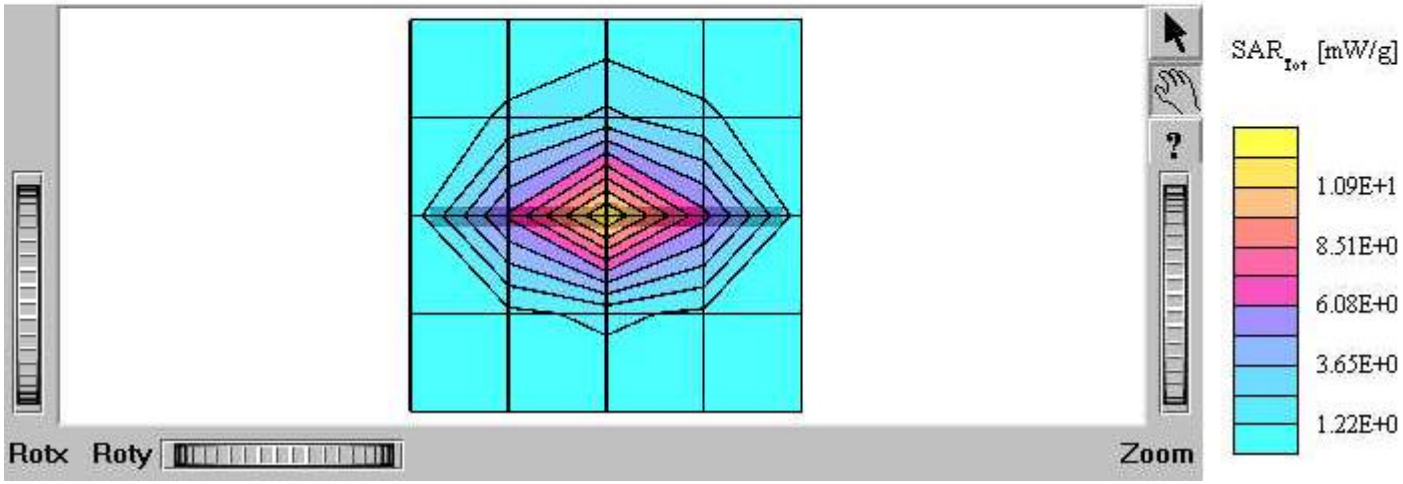
## Dipole 1800 MHz

Generic Twin A; Flat
Probe: ET3DV5 - SN1337; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Brain 1800 MHz: $\sigma$ = 1.72 mho/m $\varepsilon_r$ = 39.4 $\rho$ = 1.00 g/cm$^3$
Cubes (2): Peak: 21.3 mW/g ± 0.06 dB, SAR (1g): 10.8 mW/g ± 0.03 dB, SAR (10g): 5.39 mW/g ± 0.02 dB, (Worst-case extrapolation)
Penetration depth: 7.2 (6.8, 8.1) [mm]
Powerdrift: 0.05 dB
Pout=259 mW
File name: Validation 1800 MHz 07_24_01, Date: 07/24/01




**1800 MHz SAR distribution of validation dipole antenna from system accuracy verification test on July 24, 2001. Using head/muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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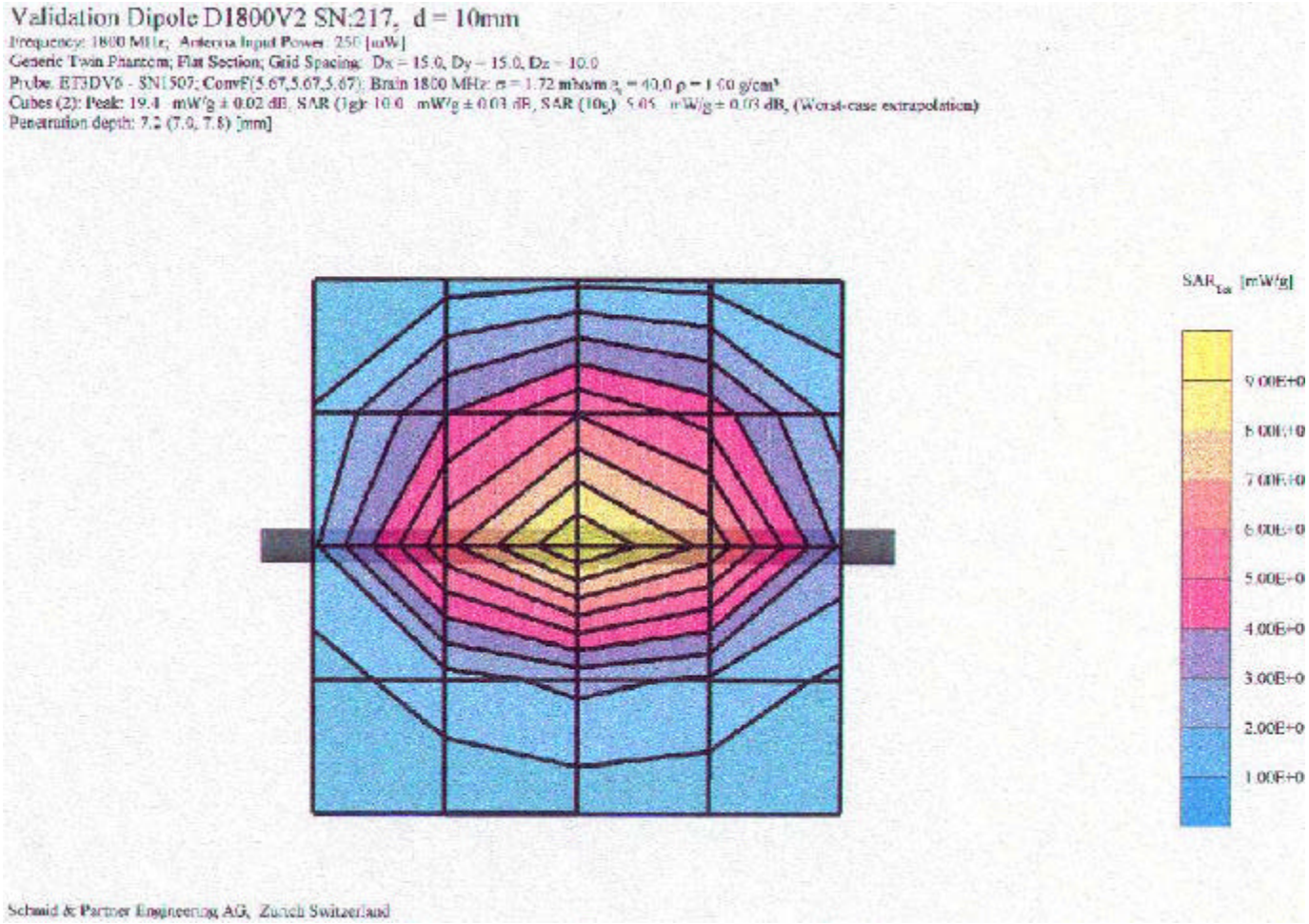


**1800 MHz SAR distribution of validation dipole antenna from reference measurement.**
**Using head/muscle tissue.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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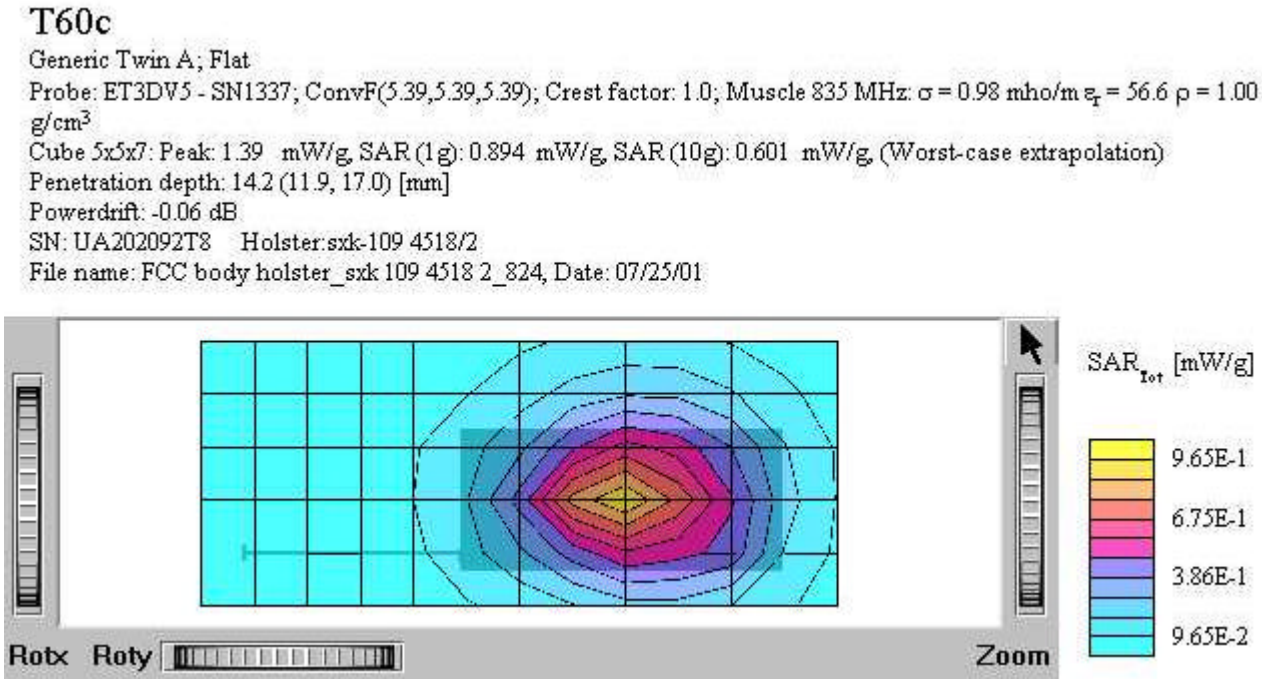
## Appendix 2: SAR distribution plots




**Distribution of maximum SAR in 800 AMPS band.**
**Measured against the body using product # SXK –109 4518/2 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
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| Approved | Checked | | | |
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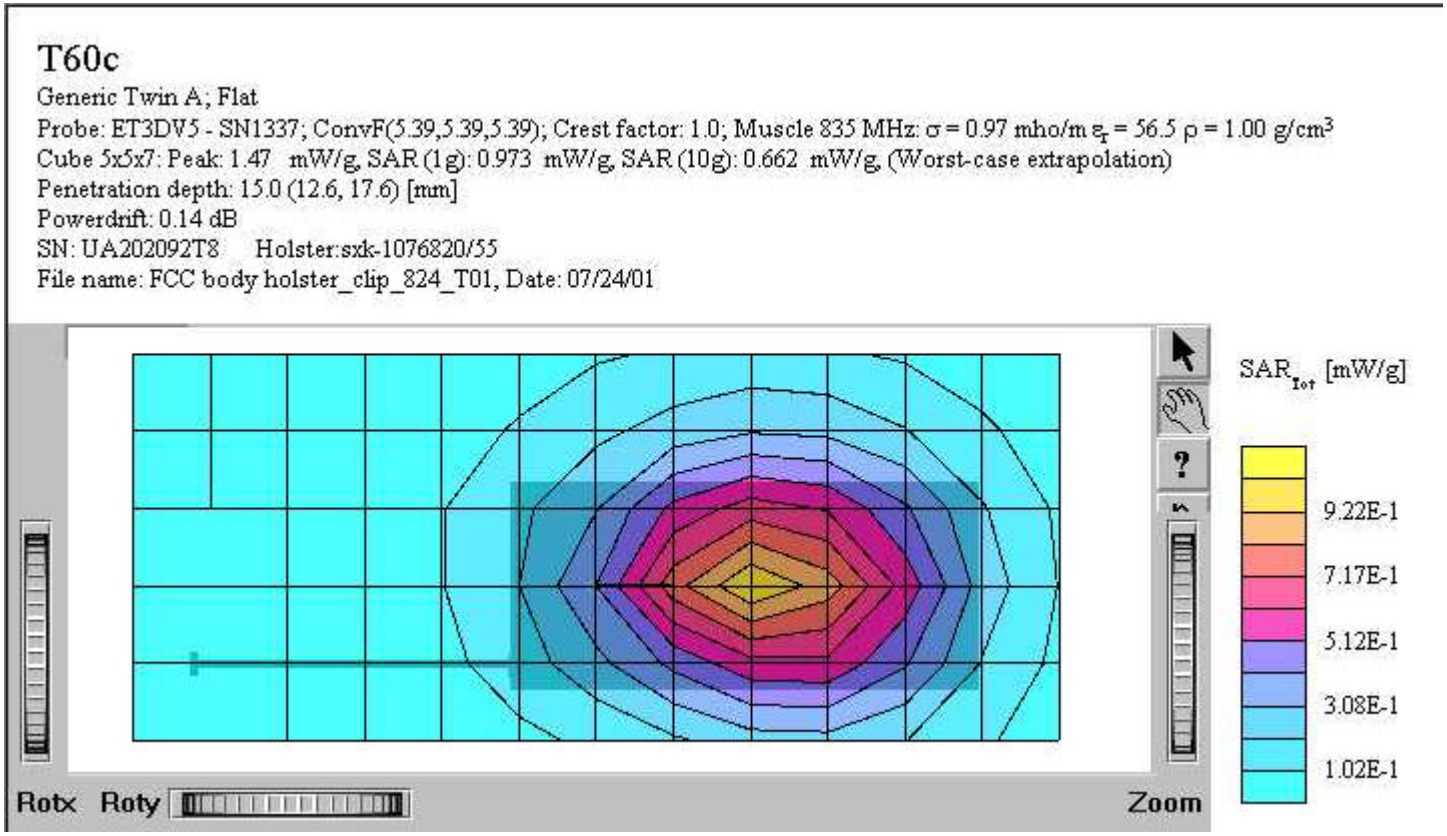


**Distribution of maximum SAR in 800 AMPS band. Measured against the body using product # SXK –109 6820/55 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
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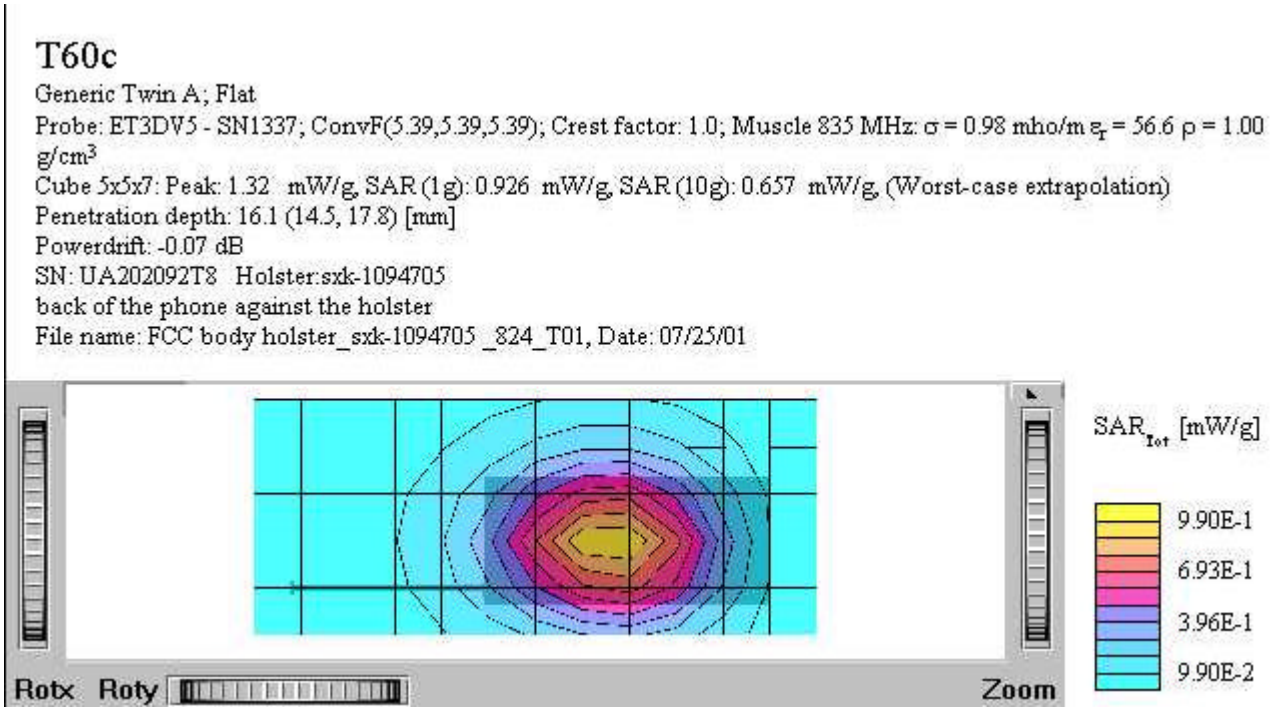


**Distribution of maximum SAR in 800 AMPS band.**
**Measured against the body using product # SXK –109 4705 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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T60c

Generic Twin A; Flat

Probe: ET3DV5 - SN1337; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Brain 1800 MHz: $\sigma$ = 1.73 mho/m $\varepsilon_r$ = 39.4 $\rho$ = 1.00 g/cm$^3$

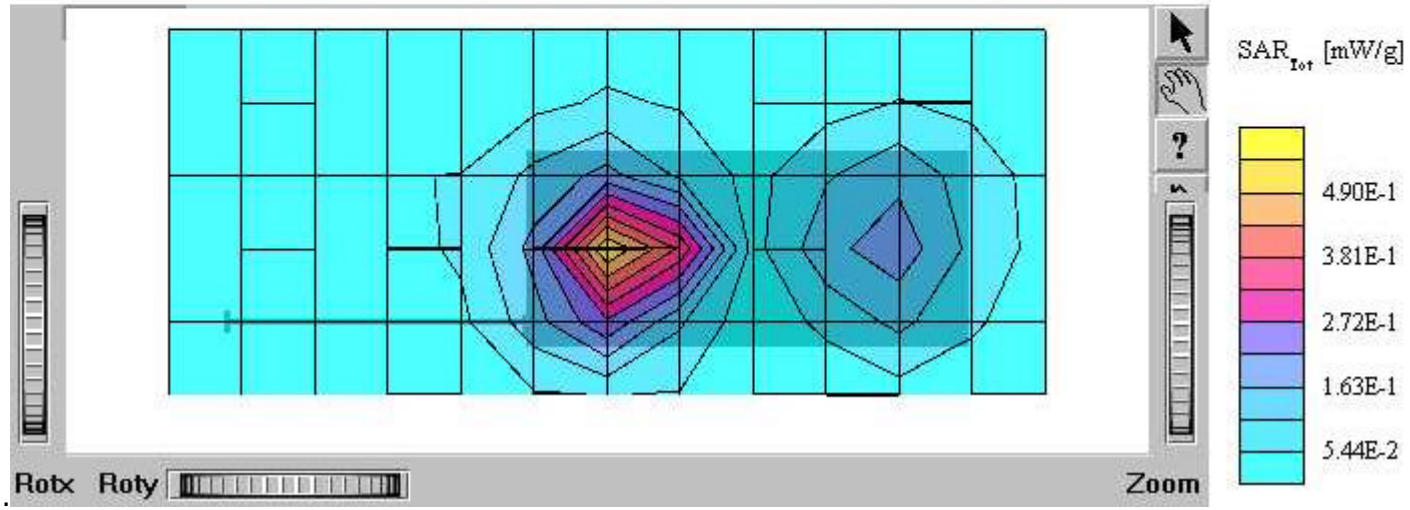
Cube 5x5x7: Peak: 1.05 mW/g, SAR (1g): 0.559 mW/g, SAR (10g): 0.288 mW/g, (Worst-case extrapolation)

Penetration depth: 7.6 (7.3, 8.2) [mm]

Powerdrift: -0.07 dB

SN: UA202092T8 Holster:sxk 1094518/2

File name: FCC body holster splastictranspar_CDMAPCS_1909_T01, Date: 07/23/01




**Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –109 4518/2 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
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T60c

Generic Twin A; Flat

Probe: ET3DV5 - SN1337; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Brain 1800 MHz: $\sigma$ = 1.73 mho/m $\varepsilon_r$ = 39.4 $\rho$ = 1.00 g/cm$^3$

Cube 5x5x7: Peak: 0.778 mW/g, SAR (1g): 0.414 mW/g, SAR (10g): 0.216 mW/g, (Worst-case extrapolation)

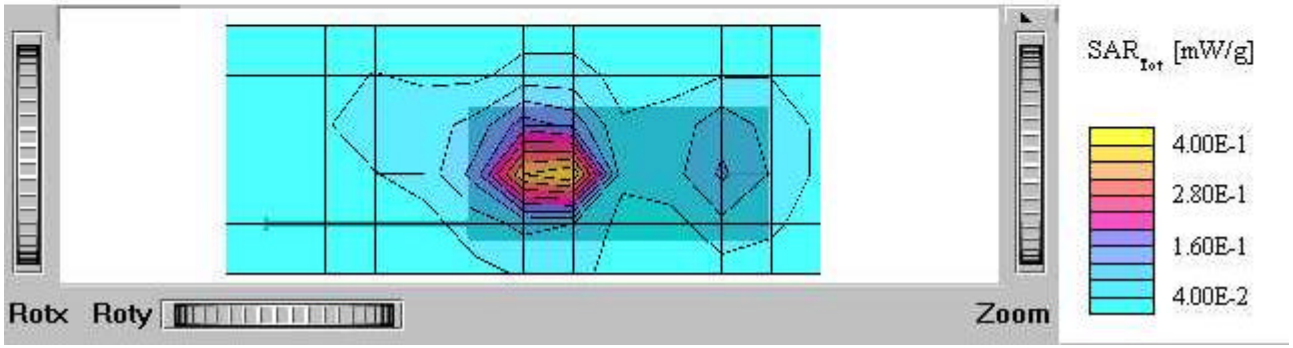
Penetration depth: 7.6 (7.3, 8.2) [mm]

Powerdrift: 0.02 dB

SN: UA202092T8 Holster:sxk-107 6820/55

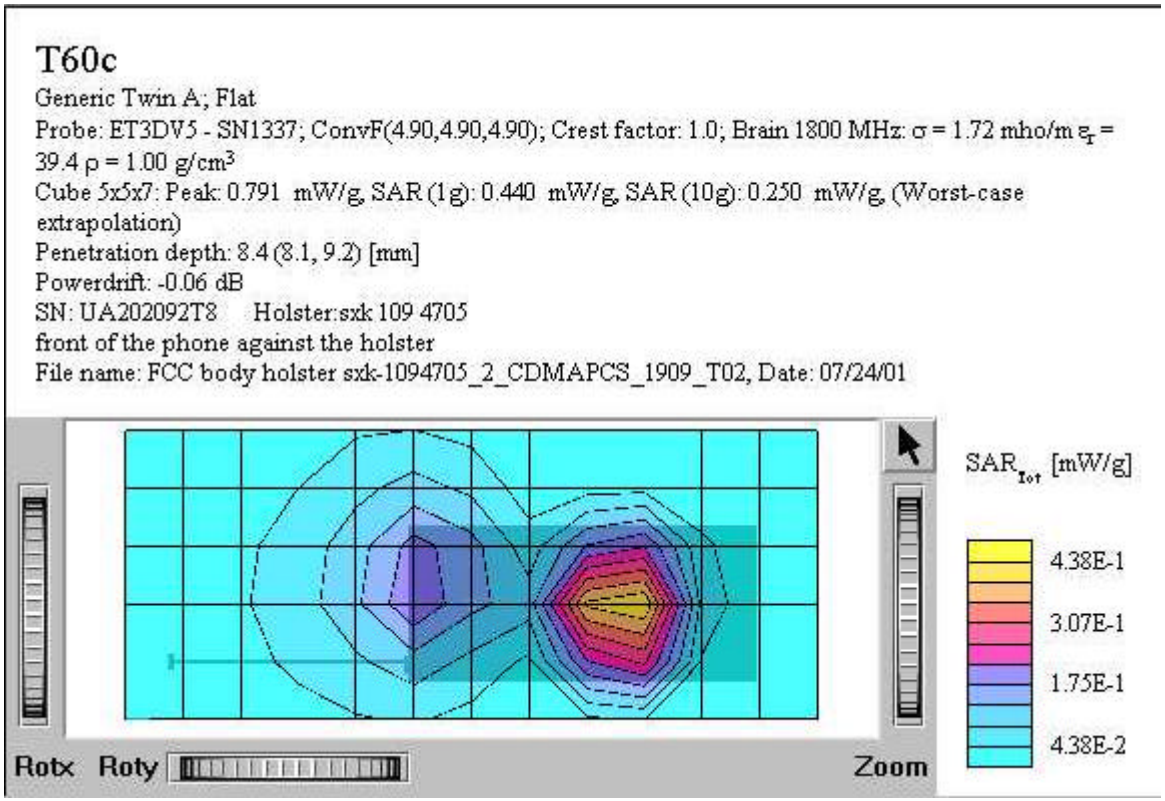
belt clip

File name: FCC body holster sxk-107 6820 55_2_CDMAPCS_1909_T01, Date: 07/23/01




**Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –6820/55 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |




**Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –109 4705 as a carry case.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
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## Appendix 3: Photographs of Device Under Test


**Front view of device**


**Back view of device**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
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**Side view of device.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
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| Approved | Checked | | | |
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**Front, back, and side views of product number SXK –109-4518/2.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |

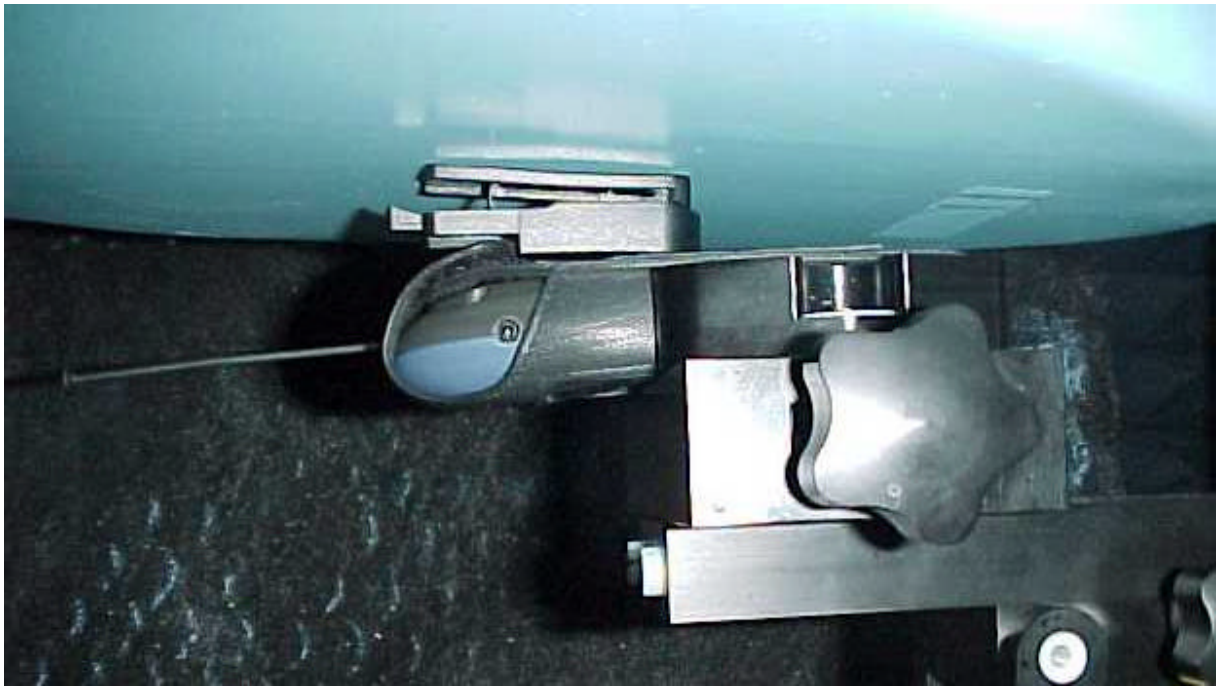

**Front, side, and back views of part number SXK 107 6820/55.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |

**Front, side, and back views of part number SXK 109 4705.**

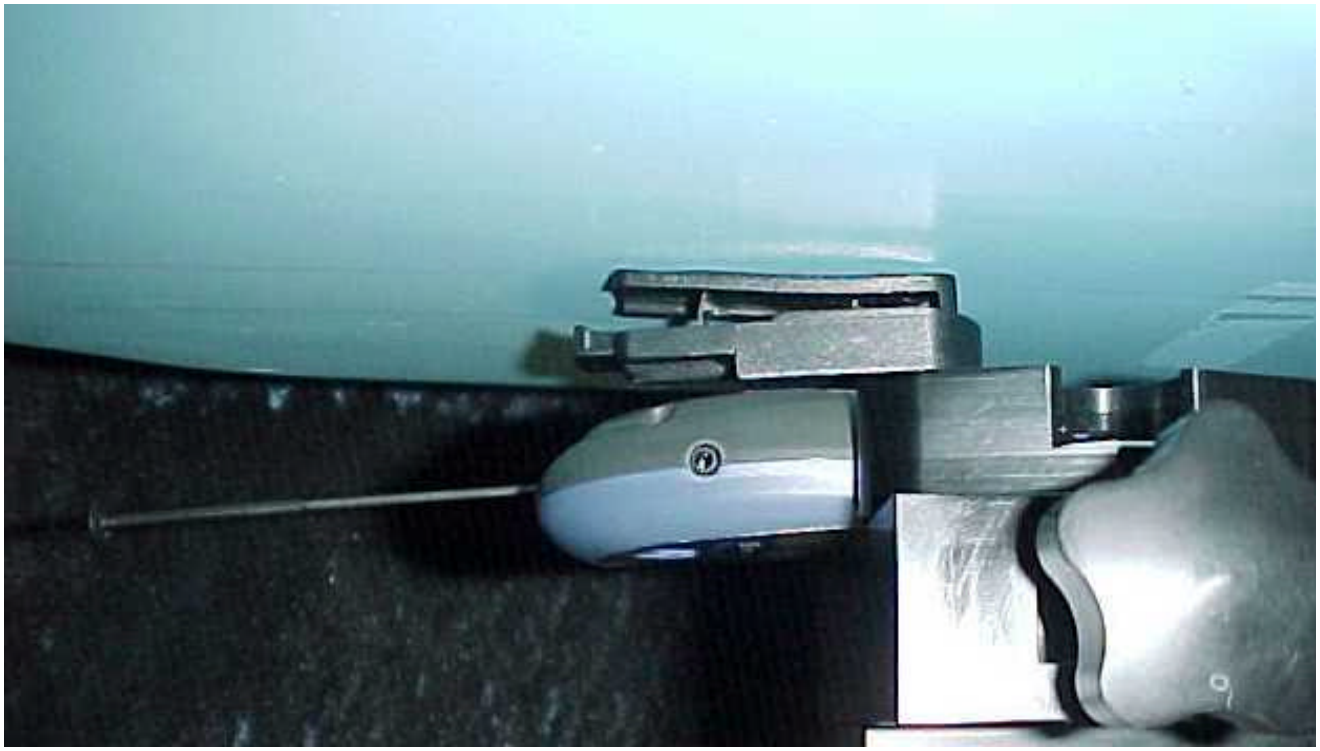
| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |

## Appendix 4: Position of Device on Phantom



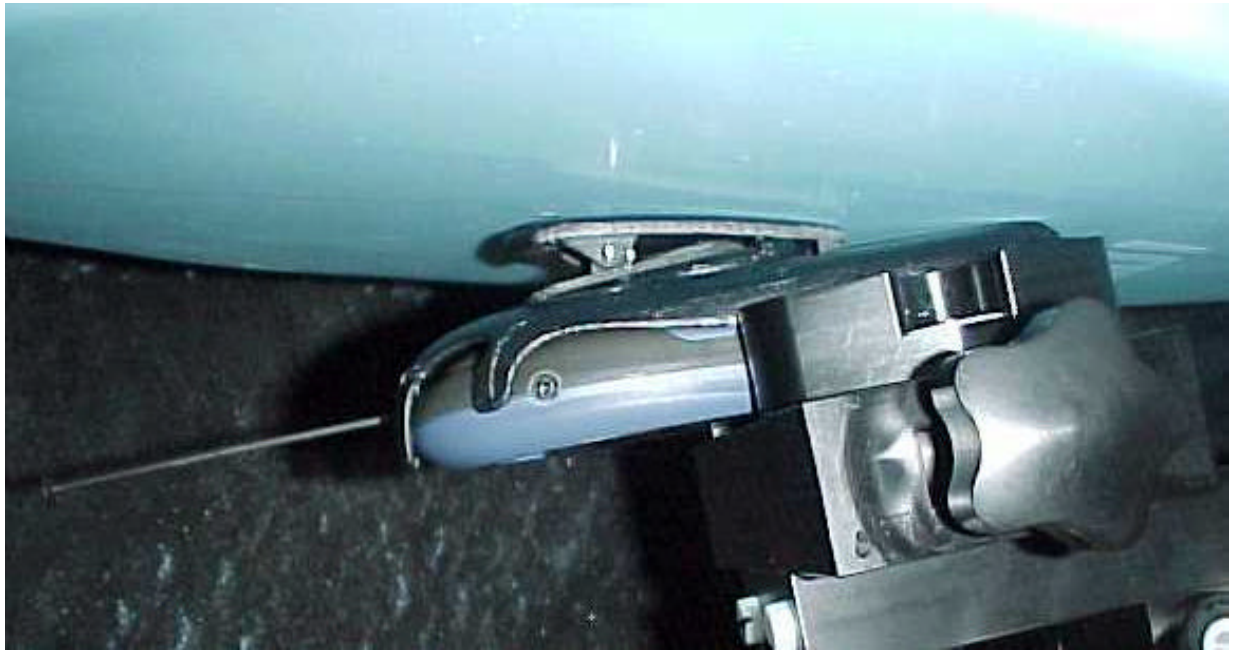
**Position of device against flat phantom using carry accessory SXK –109-4518/2.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |



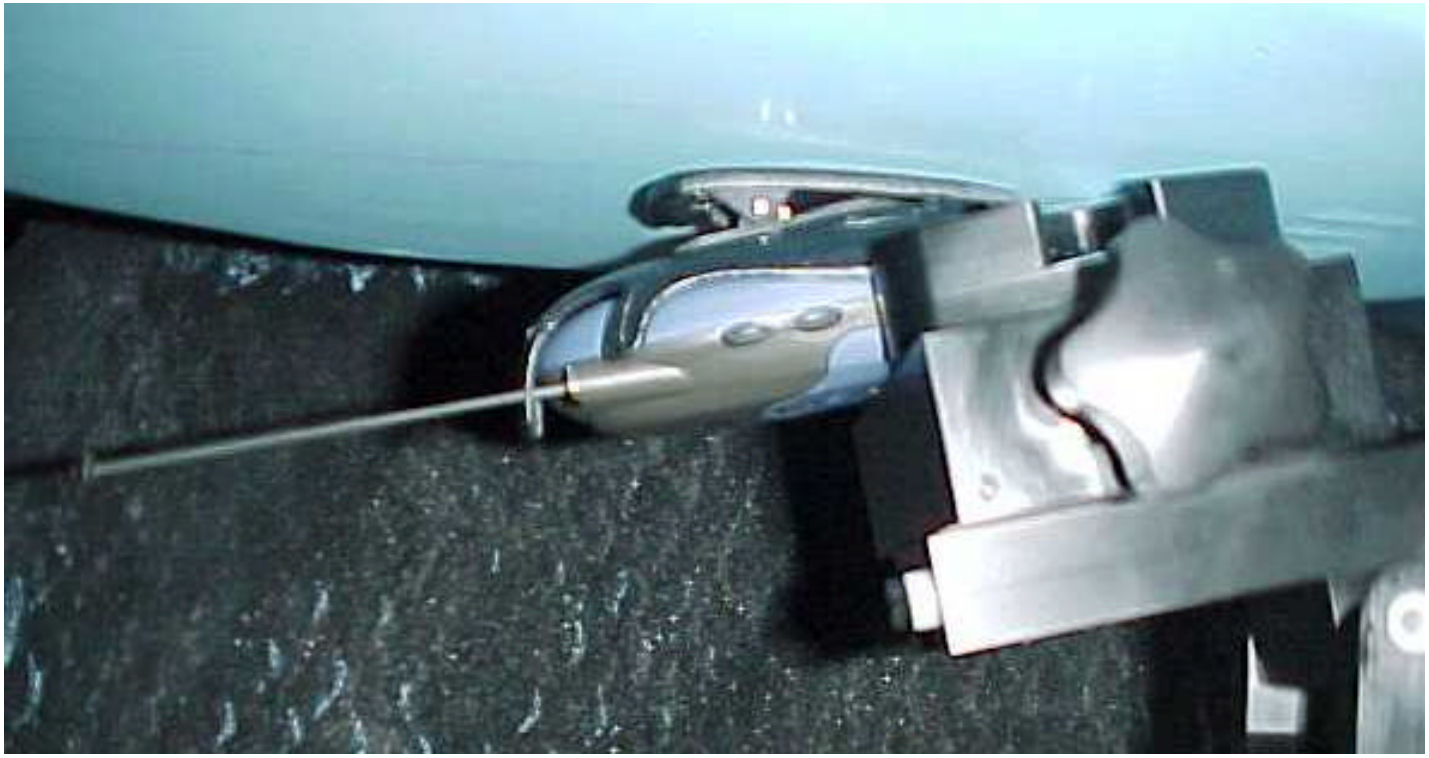
**Position of device against flat phantom using carry accessory SXK 107 6820/55.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |



**Position of device against flat phantom using carry accessory SXK 109 4705.**
**Back of the phone against the holster.**

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |



**Position of device against flat phantom using carry accessory SXK 109 4705.**
**Front of the phone against the holster.**

## Appendix 5: Probe calibration parameters

**ET3DV5 SN:1337**

# DASY3 - Parameters of Probe: ET3DV5 SN:1337

Sensitivity in Free Space

| | | | |
|---|---|---|---|
| NormX | **2.28** μV/(V/m)$^2$ | DCP X | **99** mV |
| NormY | **2.10** μV/(V/m)$^2$ | DCP Y | **99** mV |
| NormZ | **2.14** μV/(V/m)$^2$ | DCP Z | **99** mV |

Sensitivity in Tissue Simulating Liquid

**Brain** **450 MHz** $\varepsilon_r$ **= 48 ± 5%** , $\sigma$ **= 0.50 ± 10% mho/m**

| | | | |
|---|---|---|---|
| ConvF X | **5.89** extrapolated | Boundary effect: | |
| ConvF Y | **5.89** extrapolated | Alpha | **0.88** |
| ConvF Z | **5.89** extrapolated | Depth | **1.24** |

**Brain** **900 MHz** $\varepsilon_r$ **= 42.5 ± 5%** $\sigma$ **= 0.86 ± 10% mho/m**

| | | | |
|---|---|---|---|
| ConvF X | **5.56** ± 7% (k=2) | Boundary effect: | |
| ConvF Y | **5.56** ± 7% (k=2) | Alpha | **0.78** |
| ConvF Z | **5.56** ± 7% (k=2) | Depth | **1.62** |

**Brain** **1500 MHz** $\varepsilon_r$ **= 41 ± 5%** $\sigma$ **= 1.32 ± 10% mho/m**

| | | | |
|---|---|---|---|
| ConvF X | **5.12** interpolated | Boundary effect: | |
| ConvF Y | **5.12** interpolated | Alpha | **0.65** |
| ConvF Z | **5.12** interpolated | Depth | **2.12** |

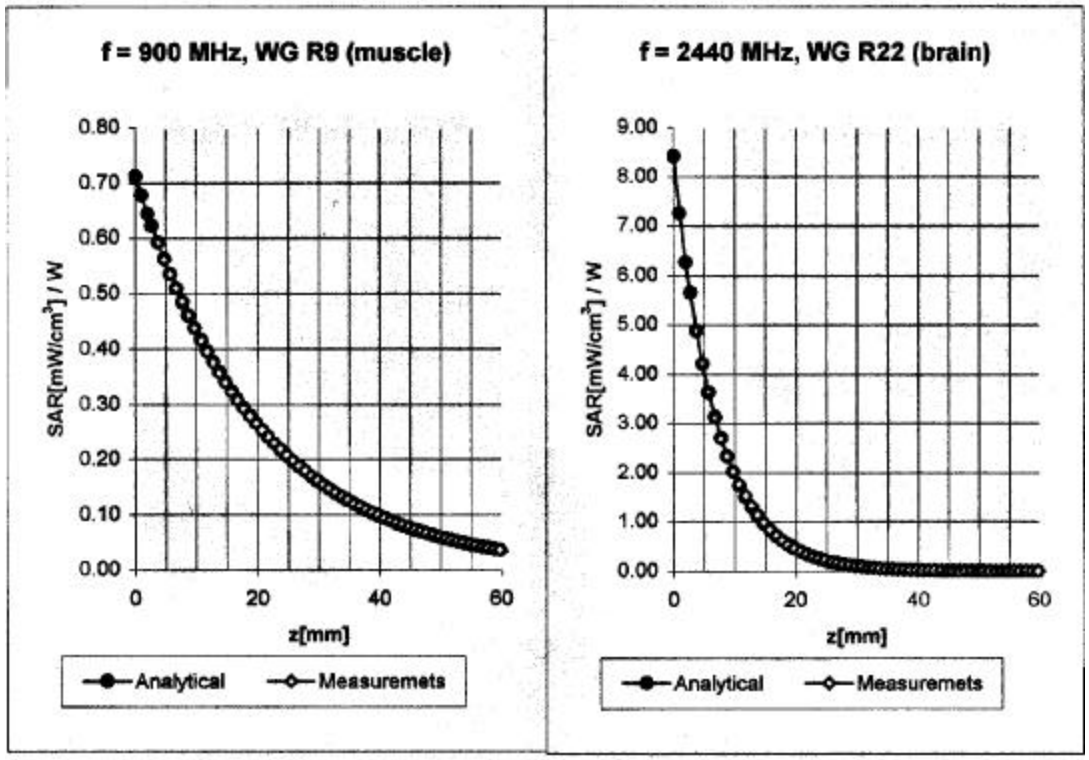
**Brain** **1800 MHz** $\varepsilon_r$ **= 41 ± 5%** $\sigma$ **= 1.69 ± 10% mho/m**

ConvF X **4.90** ± 7% (k=2) Boundary effect:

| Prepared (also subject responsible if other) | | No. | | |
|---|---|---|---|---|
| EUS/CV/RF/P Dulce Altabella | | **EUS/CV/R-01:0781/REP** | | |
| Approved | Checked | | | |
| EUS/CV/RF/P Mark Douglas | MGD | 2001-7-25 | A | M:\FCC\sar addendum to T60c.doc |

**ET3DV5 SN:1337**

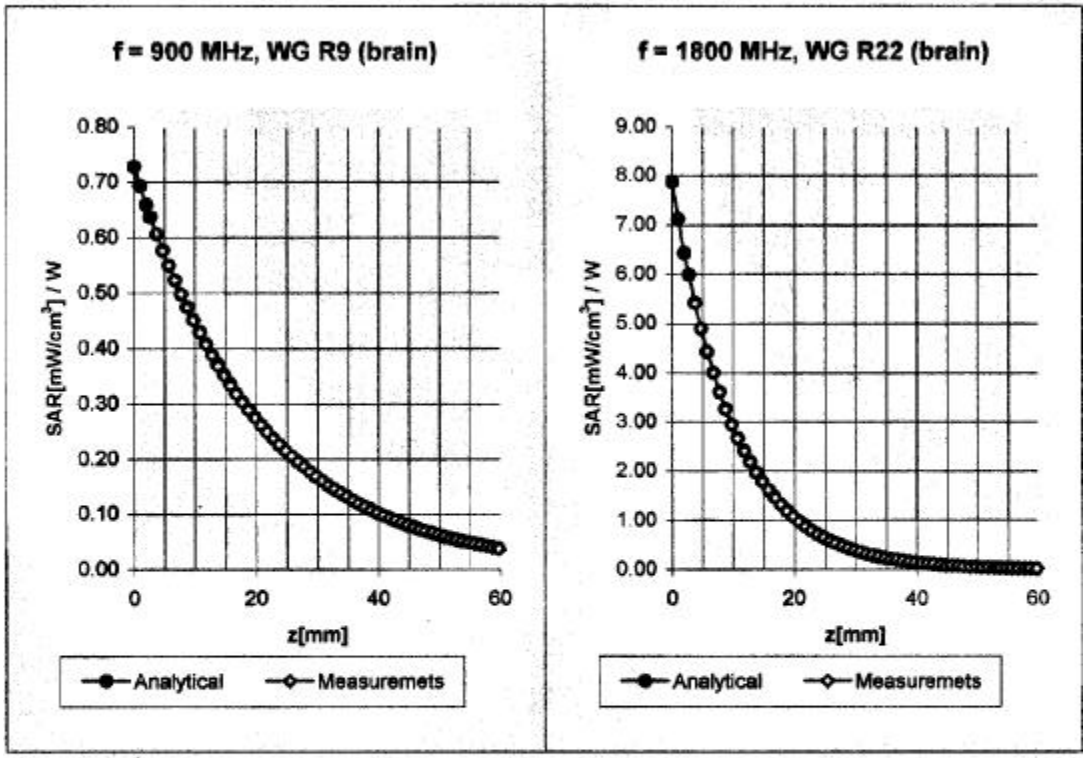
# Conversion Factor Assessment




**Muscle** **900 MHz** $\varepsilon_r$ **= 56 ± 5%** $\sigma$ **= 0.99 ± 10% mho/m**

| | | | | |
|---|---|---|---|---|
| ConvF X | **5.39** ± 7% (k=2) | Boundary effect: | | |
| ConvF Y | **5.39** ± 7% (k=2) | Alpha | **0.67** | |
| ConvF Z | **5.39** ± 7% (k=2) | Depth | **1.82** | |

# Conversion Factor Assessment




**Brain** **900 MHz** $\varepsilon_r$ **= 42.5 ± 5%** $\sigma$ **= 0.86 ± 10% mho/m**

| | | | |
|---|---|---|---|
| ConvF X | **5.56** ± 7% (k=2) | Boundary effect: | |
| ConvF Y | **5.56** ± 7% (k=2) | Alpha | **0.78** |
| ConvF Z | **5.56** ± 7% (k=2) | Depth | **1.62** |