



Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2005 008 W600i 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	A	X:\SAR Chamber\FCC reports\W600i\Final Reports\FCCW600i.doc

1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Right Side, Cheek/Touch Position. DUT in closed position.

Date/Time: 9/1/2005 1:51:23 PM Date/Time: 9/1/2005 1:57:03 PM

File Name: [01Sept05_W600i_GSM1900_HCY4_closed_RC01.da4](#)

DUT: W600i closed

Program Notes: Battery BST-37 Humidity: 49.8% Ambient Temp: 22.5 C Simulant Temp: 20.7 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.45 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.11, 5.11, 5.11); Calibrated: 5/27/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.12 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.3 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.578 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 1.05 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

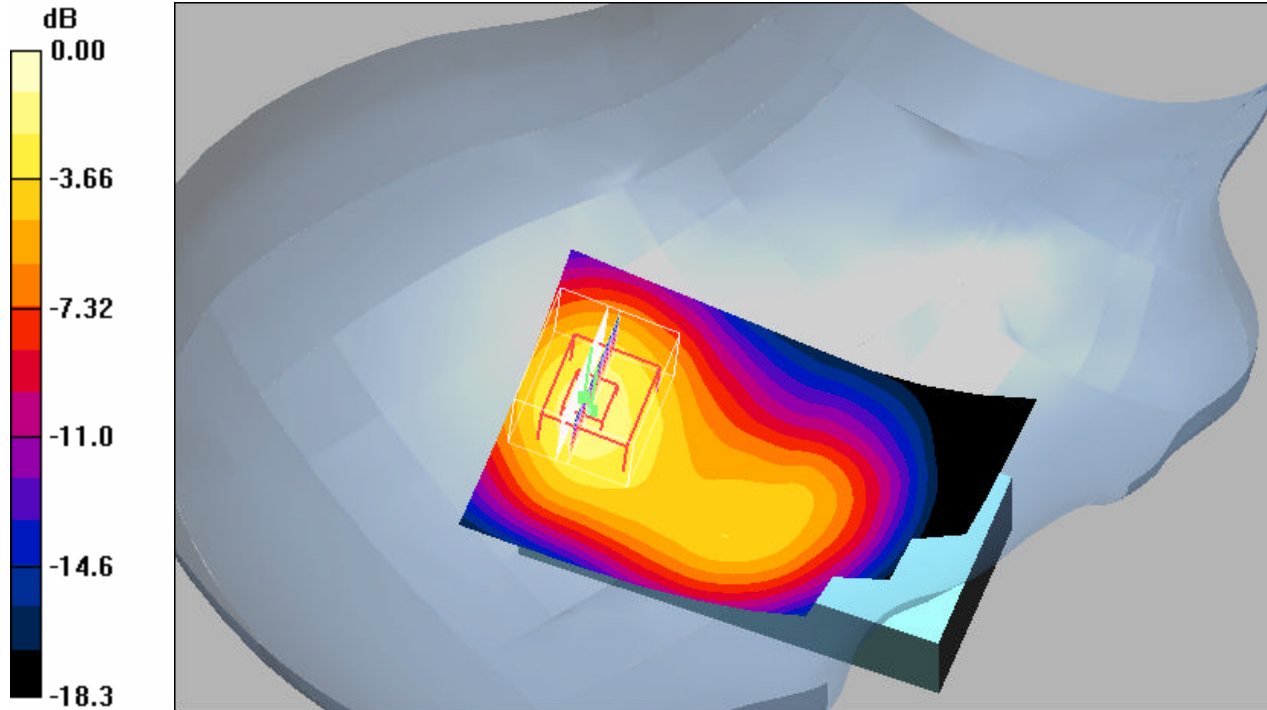
Reference Value = 28.3 V/m; Power Drift = -0.060 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

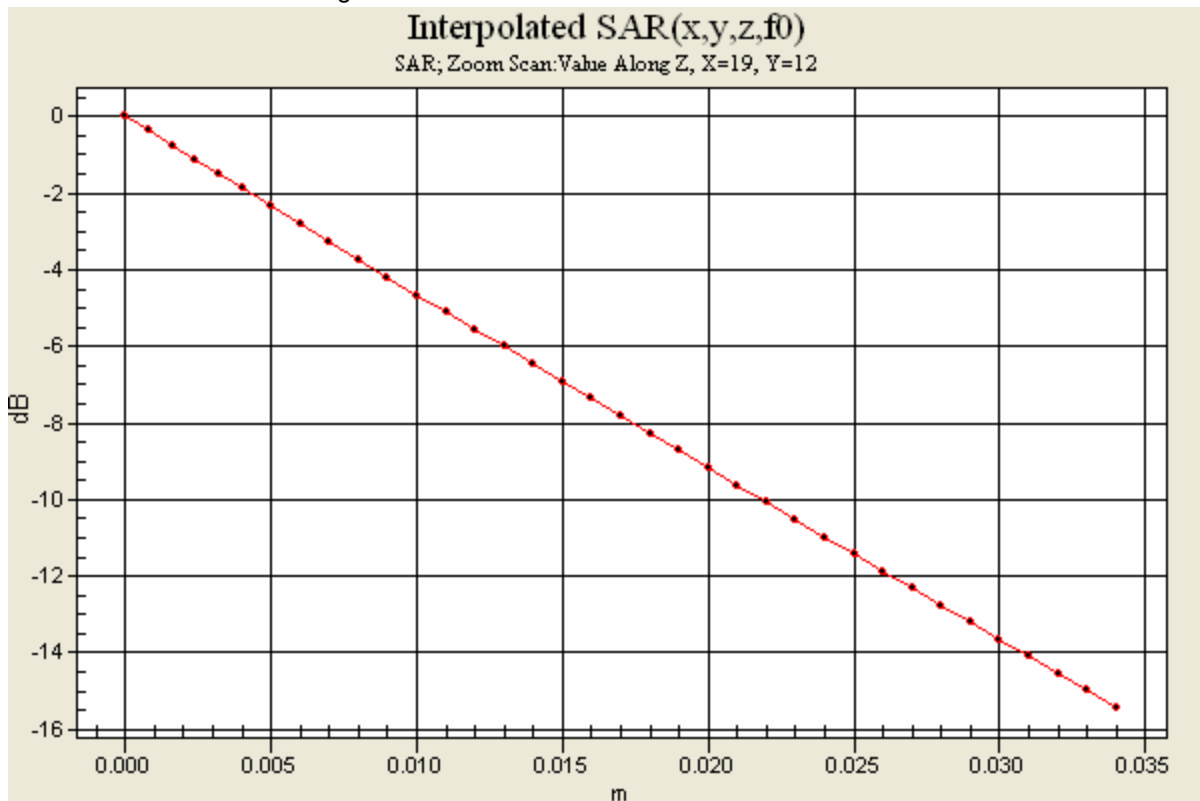
Maximum value of SAR (interpolated) = 1.61 mW/g



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0 dB = 1.61mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Right Side, Tilt Position. DUT in closed position.

Date/Time: 9/1/2005 12:22:52 PM Date/Time: 9/1/2005 12:28:30 PM

File Name: [01Sept05_W600i_GSM1900_HCY4_closed_RT01.da4](#)

DUT: W600i closed

Program Notes: Battery BST-37 Humidity: 50.1% Ambient Temp: 22.3 C Simulant Temp: 20.8 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.45 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.11, 5.11, 5.11); Calibrated: 5/27/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.41 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.5 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.693 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 1.34 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

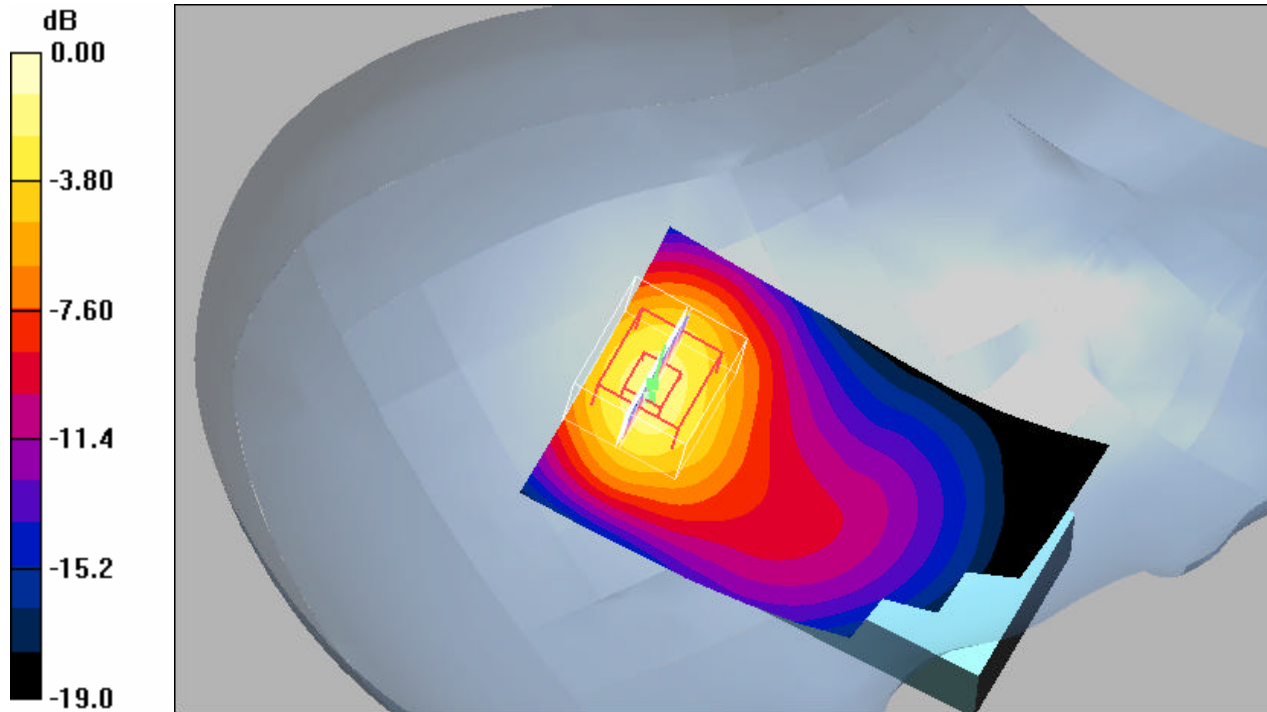
Reference Value = 30.5 V/m; Power Drift = -0.075 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

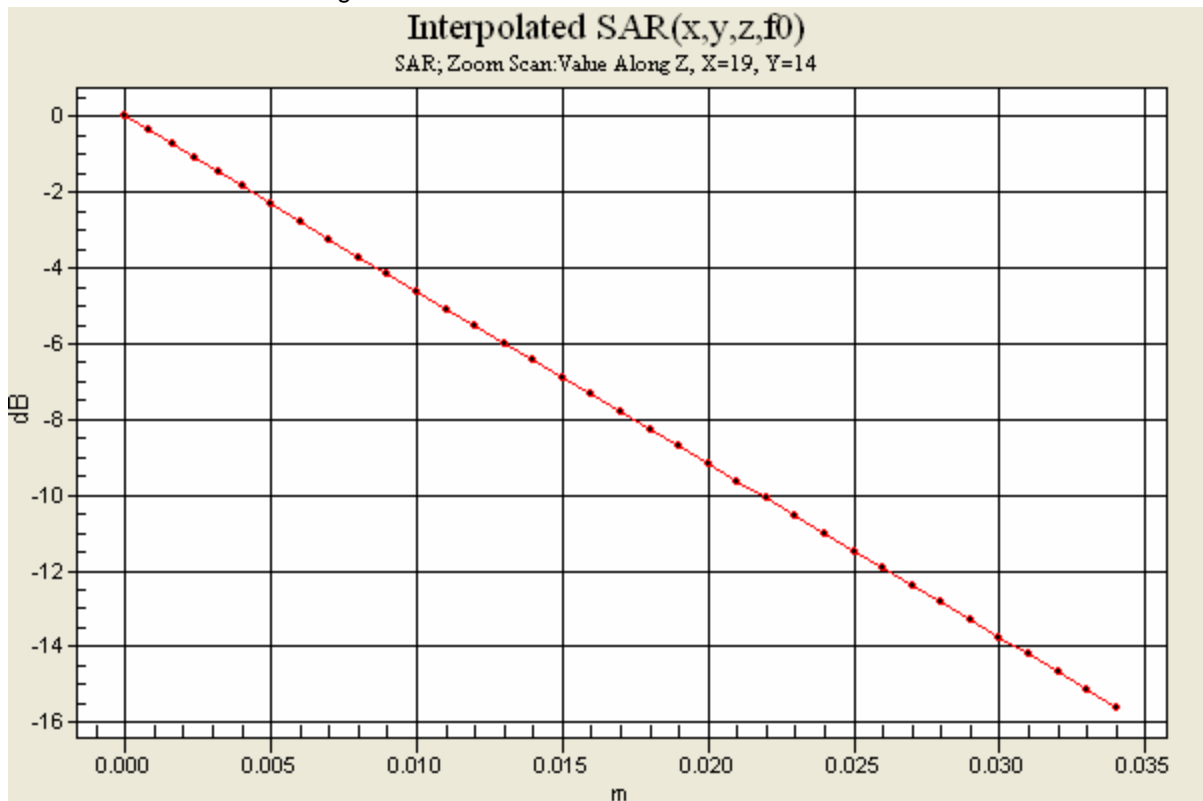
Maximum value of SAR (interpolated) = 2.05 mW/g



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0 dB = 2.05mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Left Side, Cheek/Touch Position. DUT in closed position.

Date/Time: 9/1/2005 10:07:46 AM Date/Time: 9/1/2005 10:13:34 AM Date/Time: 9/1/2005 10:25:17 AM

File Name: [01Sept05_W600i_GSM1900_HCY4_closed_LC01.da4](#)

DUT: W600i closed

Program Notes: Battery BST-37 Humidity: 47.6% Ambient Temp: 22.5 C Simulant Temp: 22.2 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.45 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.05, 5.05, 5.05); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.15 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.588 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 1.12 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.887 W/kg

SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.409 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.715 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.3 V/m; Power Drift = -0.078 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.74 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

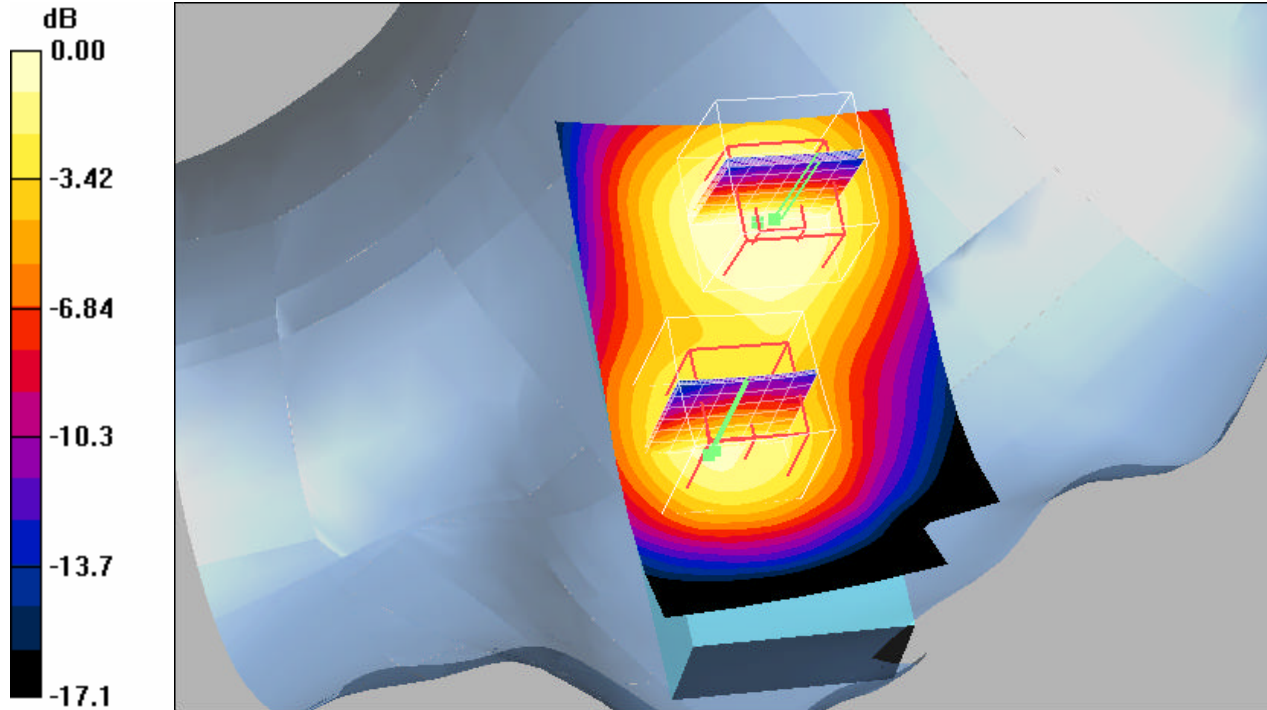
Reference Value = 27.3 V/m; Power Drift = -0.078 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

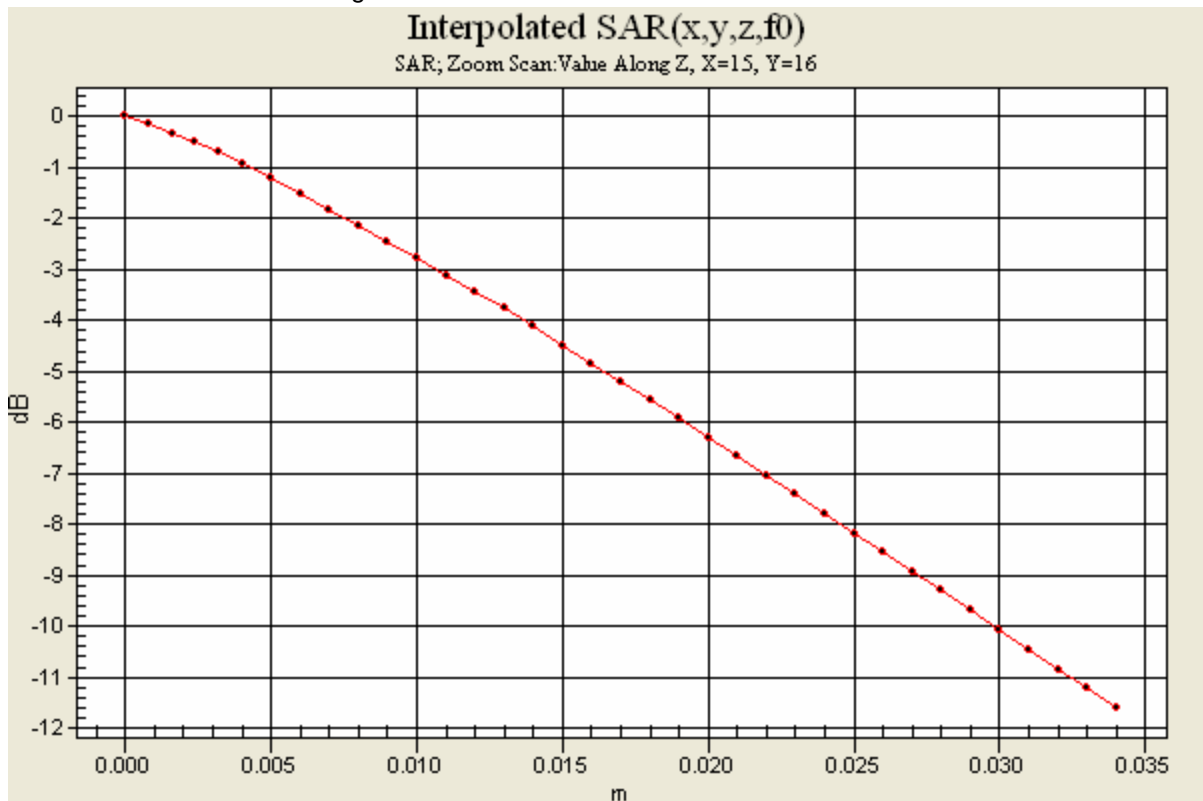
Maximum value of SAR (interpolated) = 0.887 mW/g



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0 dB = 0.887mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Left Side, Tilt Position. DUT in closed position.

Date/Time: 9/1/2005 11:18:28 AM Date/Time: 9/1/2005 11:24:14 AM

File Name: [01Sept05 W600i GSM1900 HCY4 closed LT01.da4](#)

DUT: W600i closed

Program Notes: Battery BST-37 Humidity: 51.2% Ambient Temp: 22.3 C Simulant Temp: 21.1 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.45 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.05, 5.05, 5.05); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.46 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.2 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.719 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 1.39 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

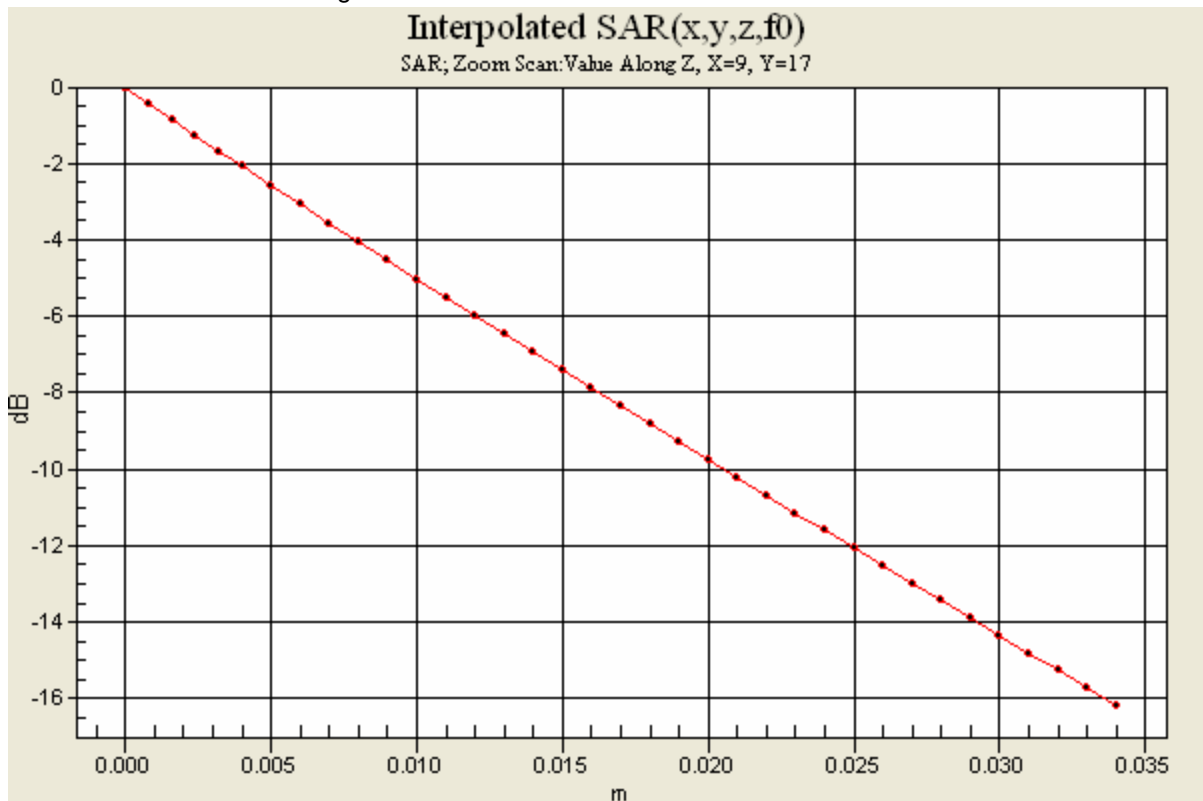
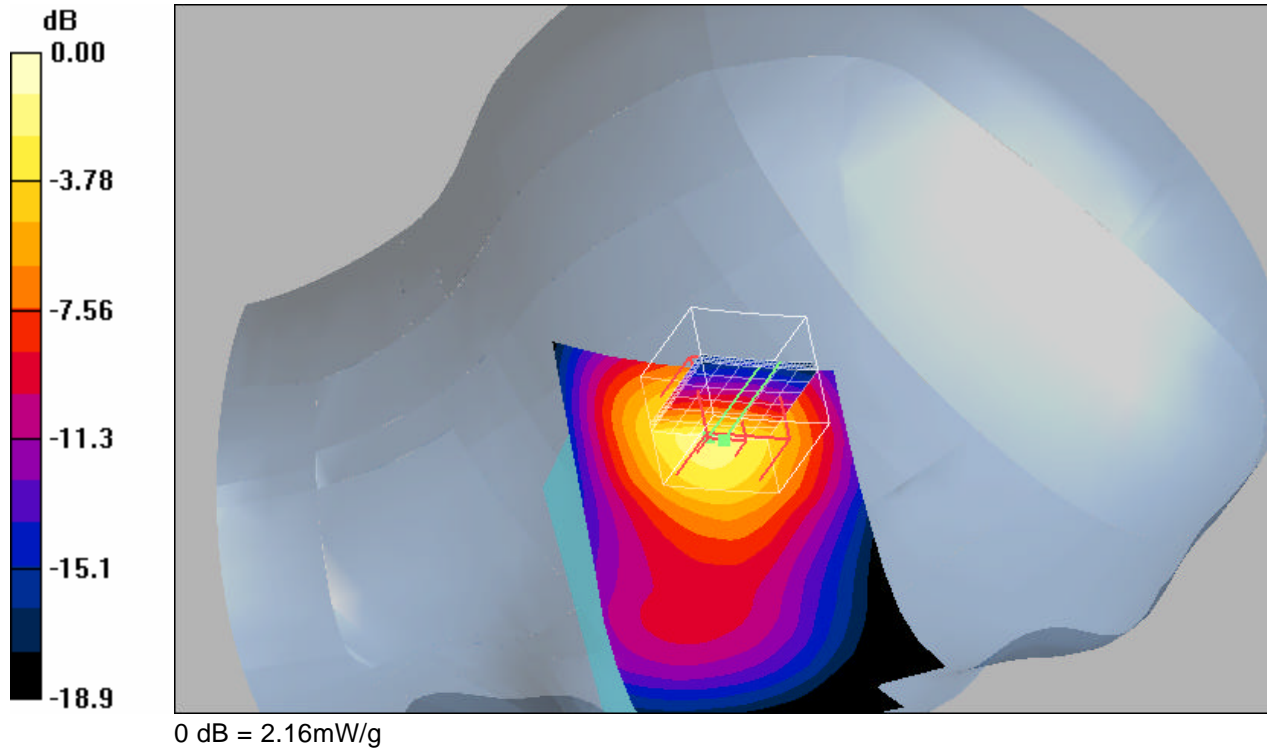
Reference Value = 32.2 V/m; Power Drift = -0.078 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 2.16 mW/g



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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Left Side, Cheek/Tilt Position with Blue Tooth. DUT in closed position.

Date/Time: 9/1/2005 3:22:48 PM Date/Time: 9/1/2005 3:28:28 PM Date/Time: 9/1/2005 3:40:15 PM

File Name: [01Sept05 W600i GSM1900 HCY4 BT closed LT01.da4](#)

DUT: W600i closed

Program Notes: Battery BST-37 Humidity: 48.7% Ambient Temp: 22.4 C Simulant Temp: 20.6 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.45 mho/m; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.05, 5.05, 5.05); Calibrated: 5/26/2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn345; Calibrated: 11/12/2004

- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.20 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.610 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 1.17 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.091 dB

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.426 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.735 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.4 V/m; Power Drift = -0.091 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 1.86 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

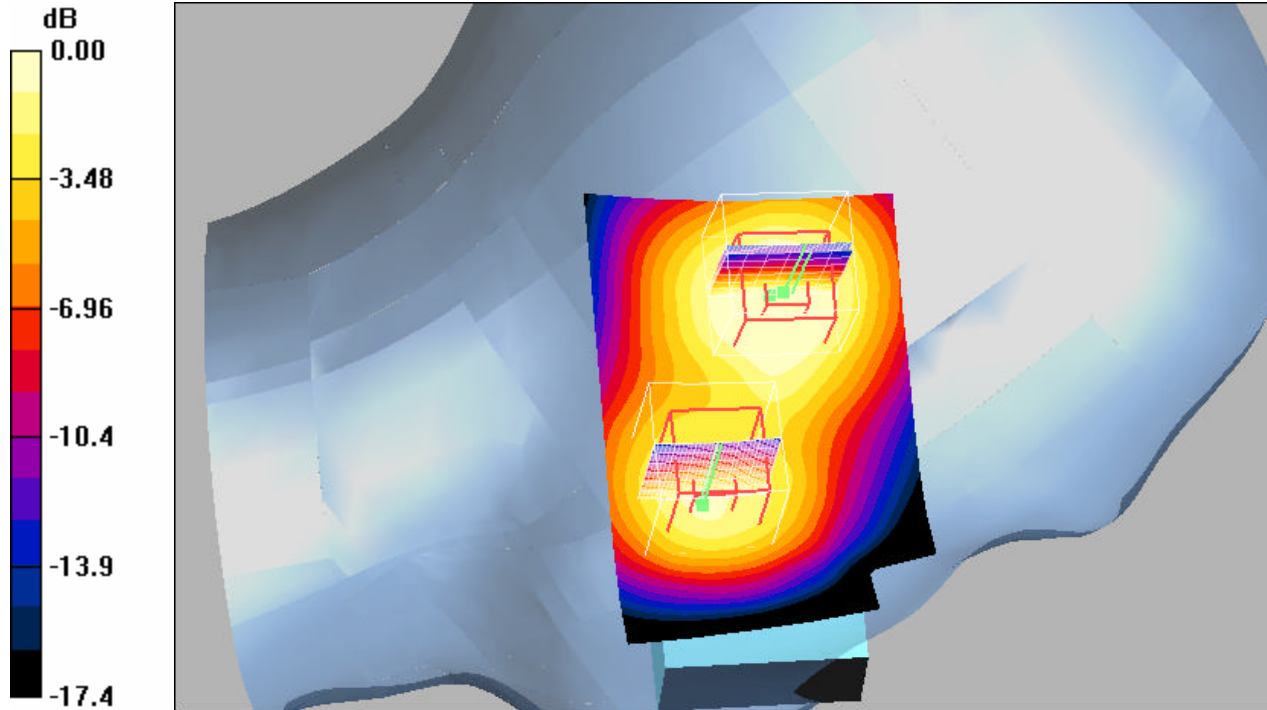
Reference Value = 26.4 V/m; Power Drift = -0.091 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

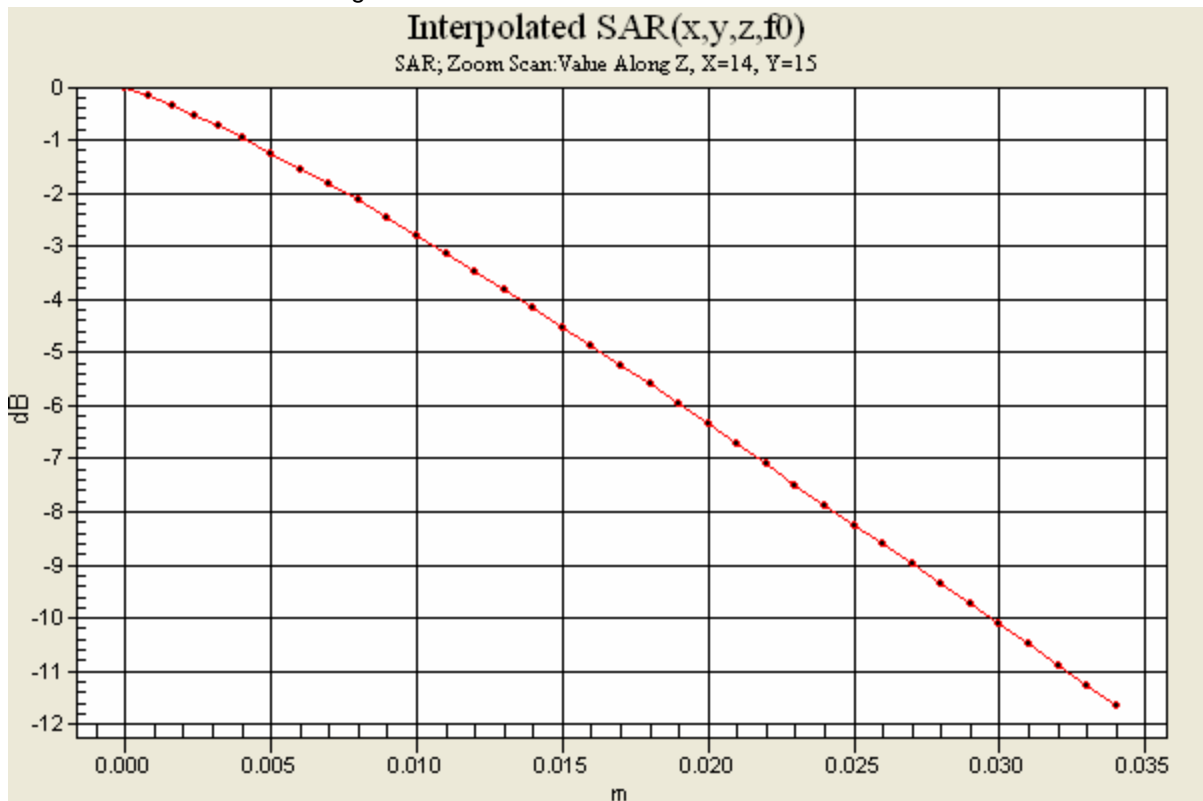
Maximum value of SAR (interpolated) = 0.922 mW/g



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0 dB = 0.922mW/g





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800 GSM Band: SAR Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023GNBB with Standard Battery: BST-37

Right Side, Cheek Position. DUT in open position.

Date/Time: 8/31/2005 12:07:59 PM Date/Time: 8/31/2005 12:13:33 PM

File Name: [31Aug05 W600i GSM850 GNBB open RC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 44.6% Ambient Temp: 23.4 C Simulant Temp: 23.1 C

Communication System: GSM 850; Frequency: 824 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 824 MHz; s = 0.859 mho/m; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/11/2004
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.637 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.9 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.756 W/kg

SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.437 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.630 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

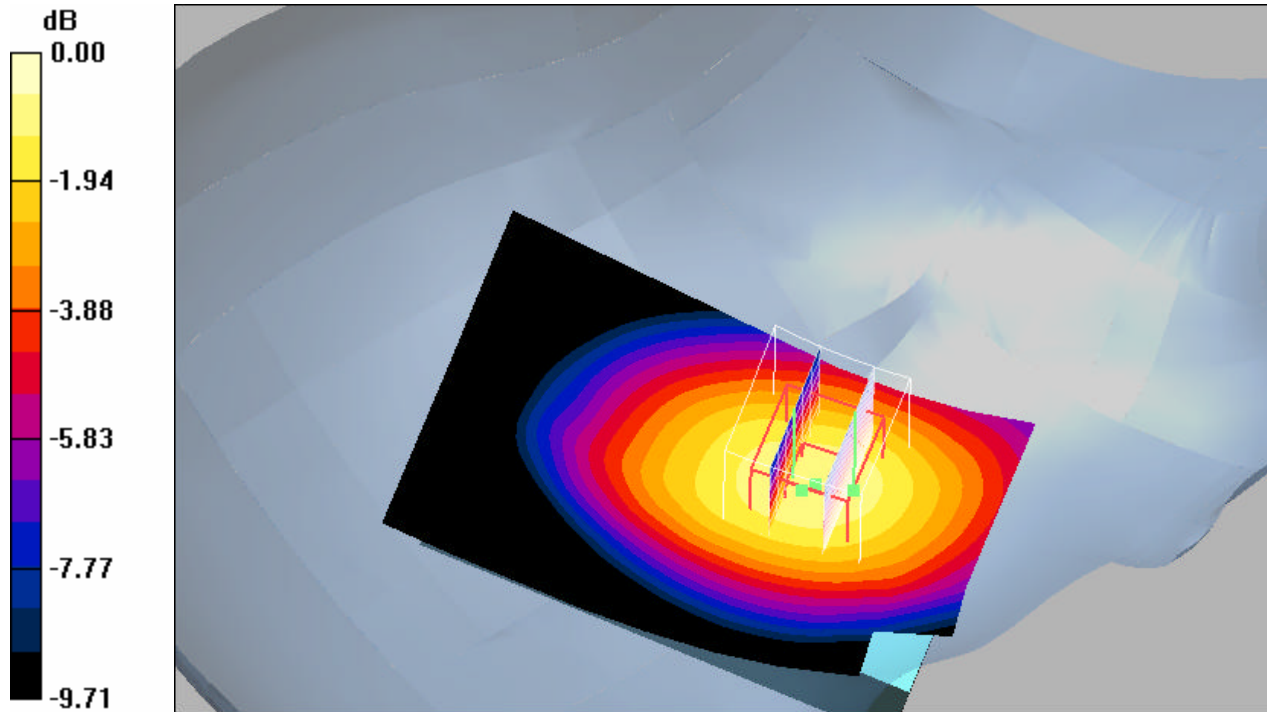
Reference Value = 11.9 V/m; Power Drift = -0.120 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

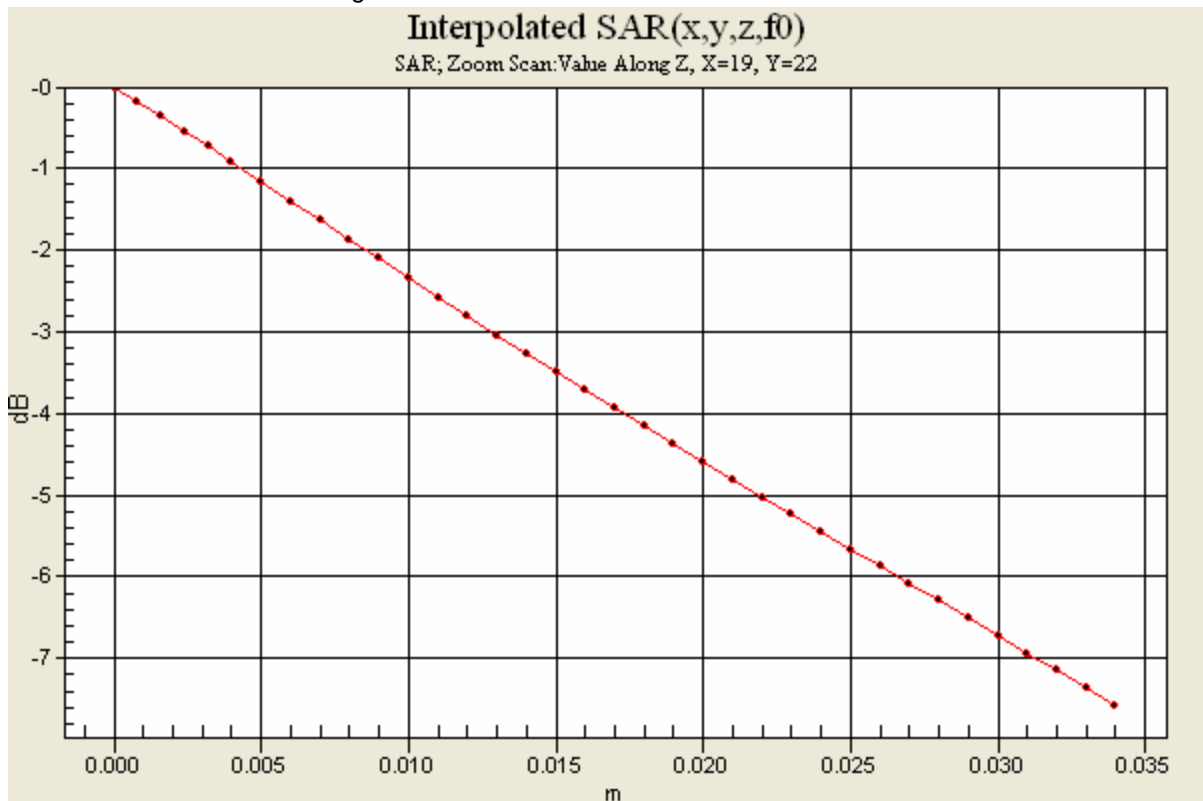
Maximum value of SAR (interpolated) = 0.756 mW/g



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0 dB = 0.756mW/g





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**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W600i SN: BD3023GNBB with Standard Battery: BST-37
Right Side, Tilt Position. DUT in open position.**

Date/Time: 8/31/2005 10:56:28 AM Date/Time: 8/31/2005 11:02:03 AM

File Name: [31Aug05_W600i_GSM850_GNBB_open_RT01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 43.2% Ambient Temp: 23.5 C Simulant Temp: 23 C

Communication System: GSM 850; Frequency: 824 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 824 MHz; s = 0.859 mho/m; $\epsilon_r = 40.3$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/11/2004
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.326 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.9 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.401 W/kg

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.227 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.330 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

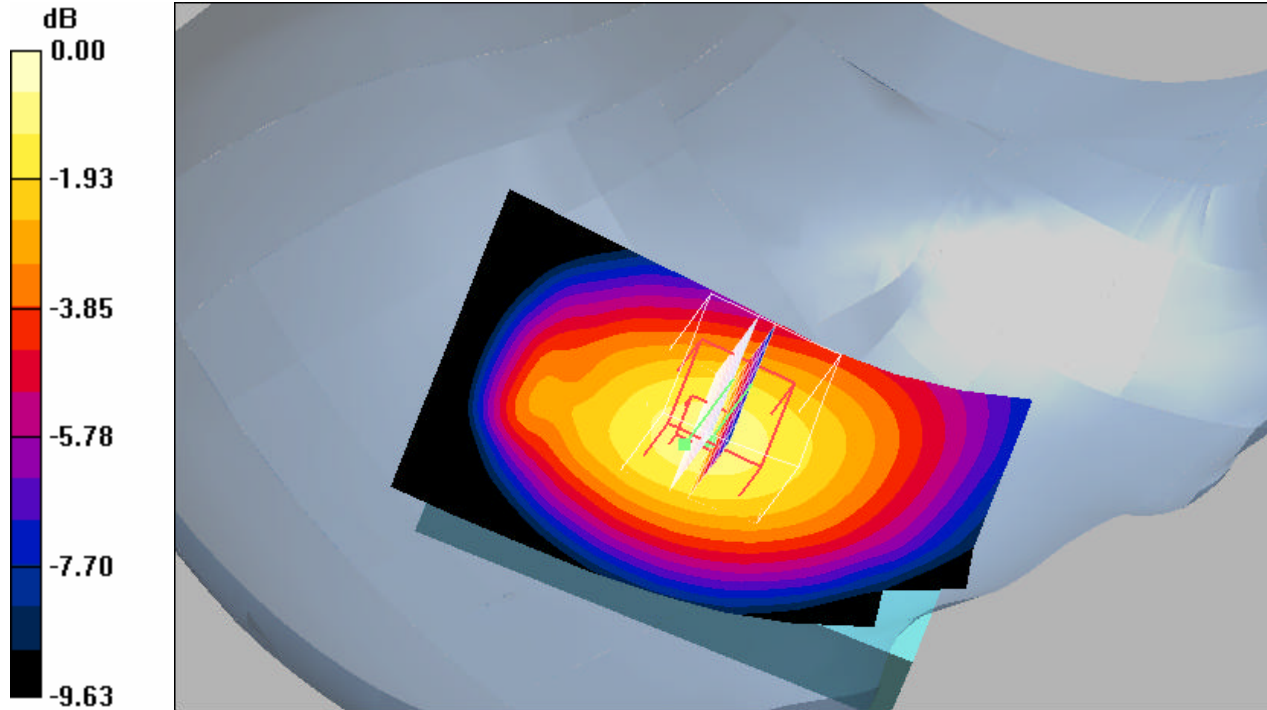
Reference Value = 14.9 V/m; Power Drift = 0.011 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

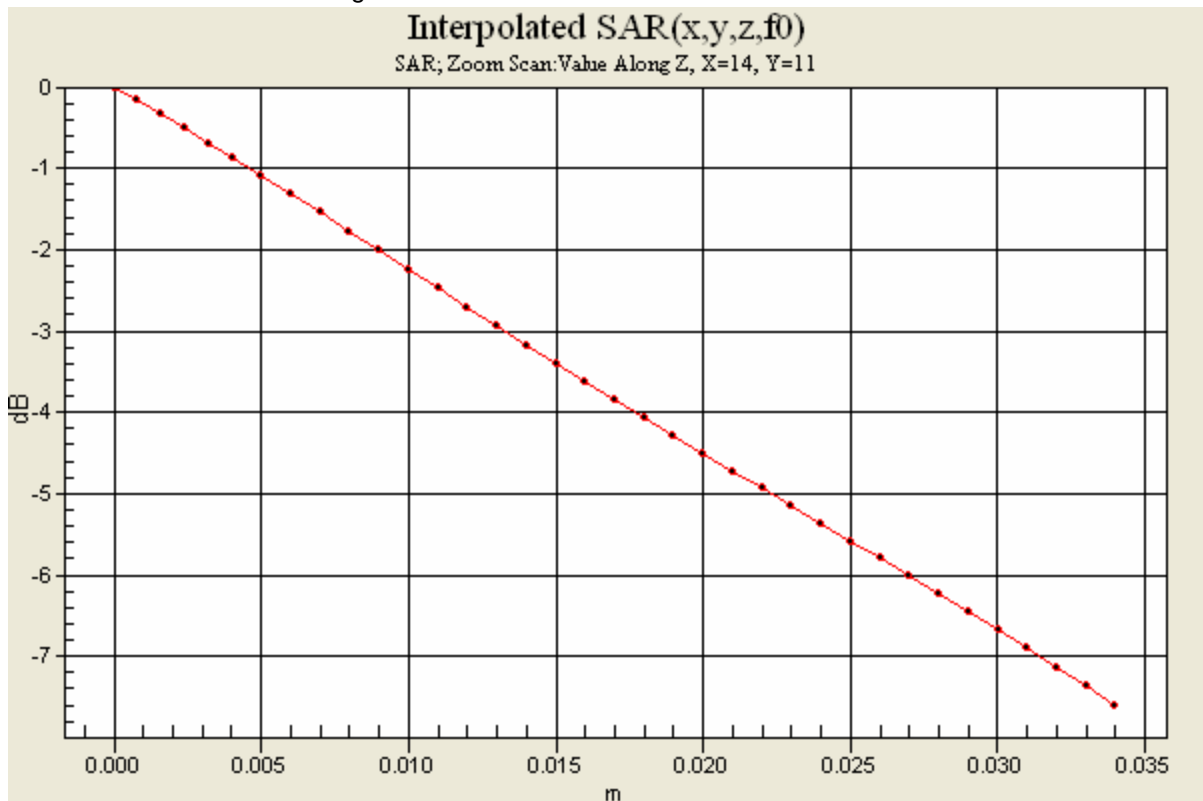
Maximum value of SAR (interpolated) = 0.401 mW/g



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0 dB = 0.401mW/g





Prepared (also subject responsible if other) SEM/CV/PF/P Gerard Hayes and Rodney Dixon		No. REP 2005 008 W600i 02	
Approved SEM/CV/PF/P Gerard Hayes	Checked	A	X:\SAR Chamber\FCC reports\W600i\Final Reports\FCCW600i.doc

**800 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W600i SN: BD3023GNBB with Standard Battery: BST-37
Left Side, Cheek/Touch Position. DUT in open position.**

Date/Time: 8/31/2005 9:22:02 AM Date/Time: 8/31/2005 9:27:37 AM

File Name: [31Aug05_W600i_GSM850_GNBB_open_LC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 45.1% Ambient Temp: 22.8 C Simulant Temp: 22.7 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.886 mho/m; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/11/2004
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.624 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.4 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 0.755 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.420 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.613 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

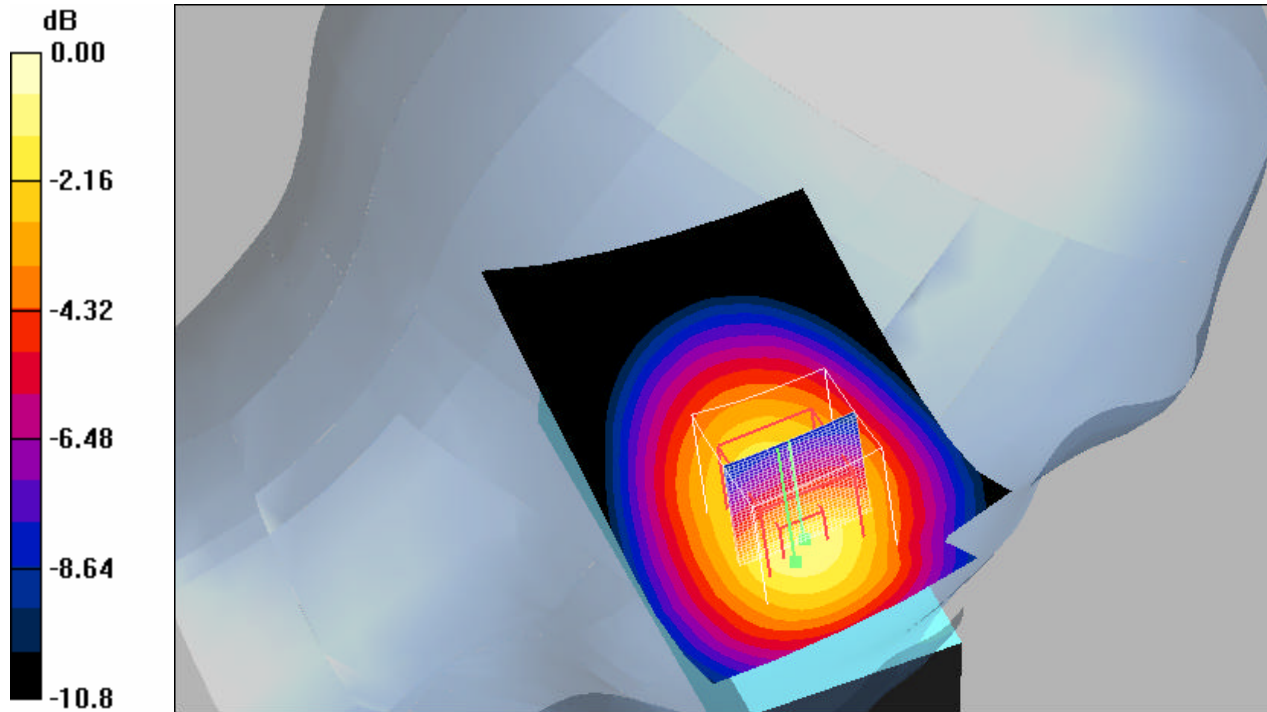
Reference Value = 10.4 V/m; Power Drift = 0.030 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

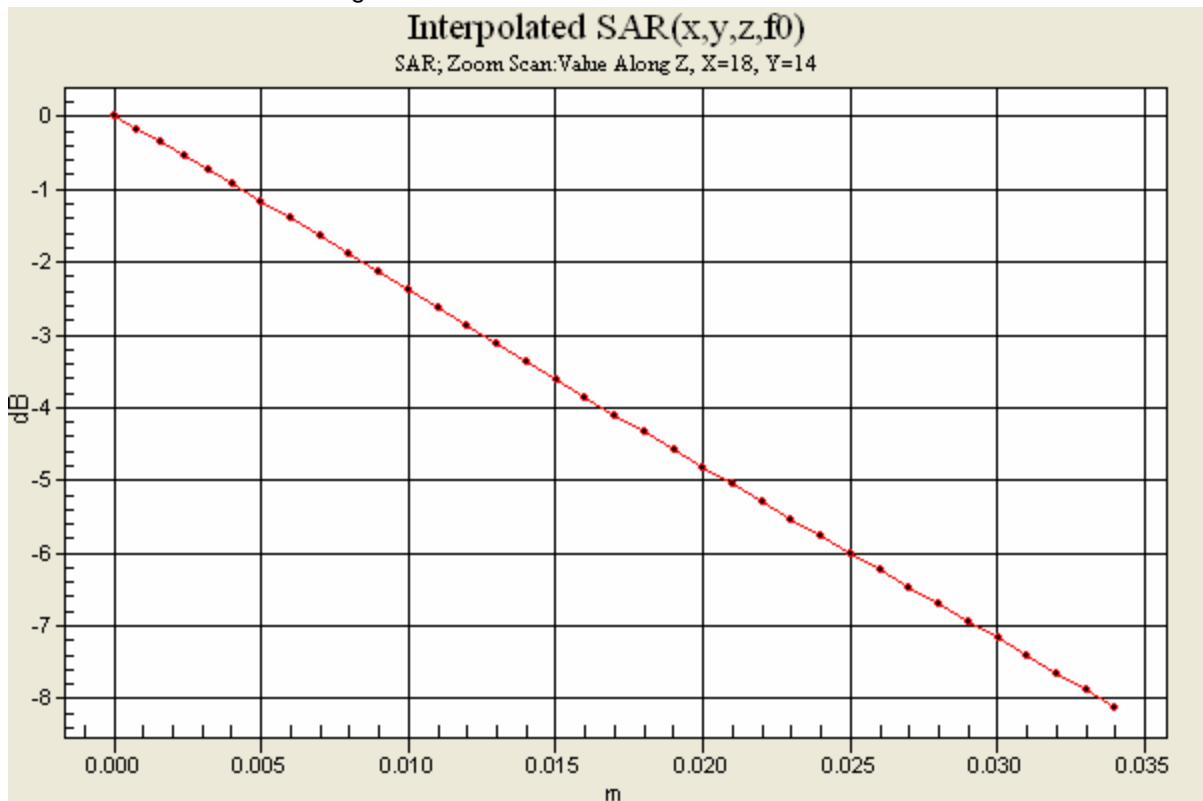
Maximum value of SAR (interpolated) = 0.755 mW/g



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0 dB = 0.755mW/g





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800 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023GNBB with Standard Battery: BST-37

Left Side, Tilt Position. DUT in open position.

Date/Time: 8/31/2005 9:43:47 AM Date/Time: 8/31/2005 9:49:20 AM

File Name: [31Aug05_W600i_GSM850_GNBB_open_LT01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 45.1% Ambient Temp: 23.1 C Simulant Temp: 22.8 C

Communication System: GSM 850; Frequency: 824 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 824 MHz; s = 0.859 mho/m; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/11/2004
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.296 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.208 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.295 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

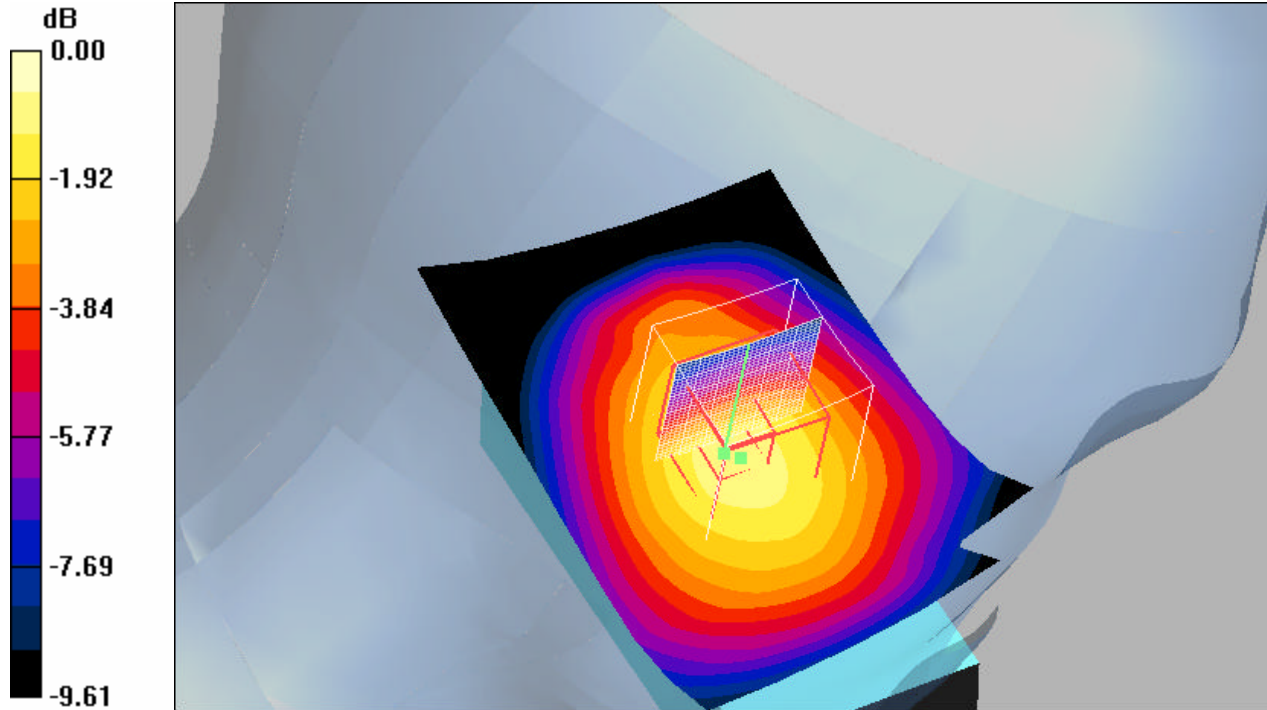
Reference Value = 13.1 V/m; Power Drift = -0.01 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

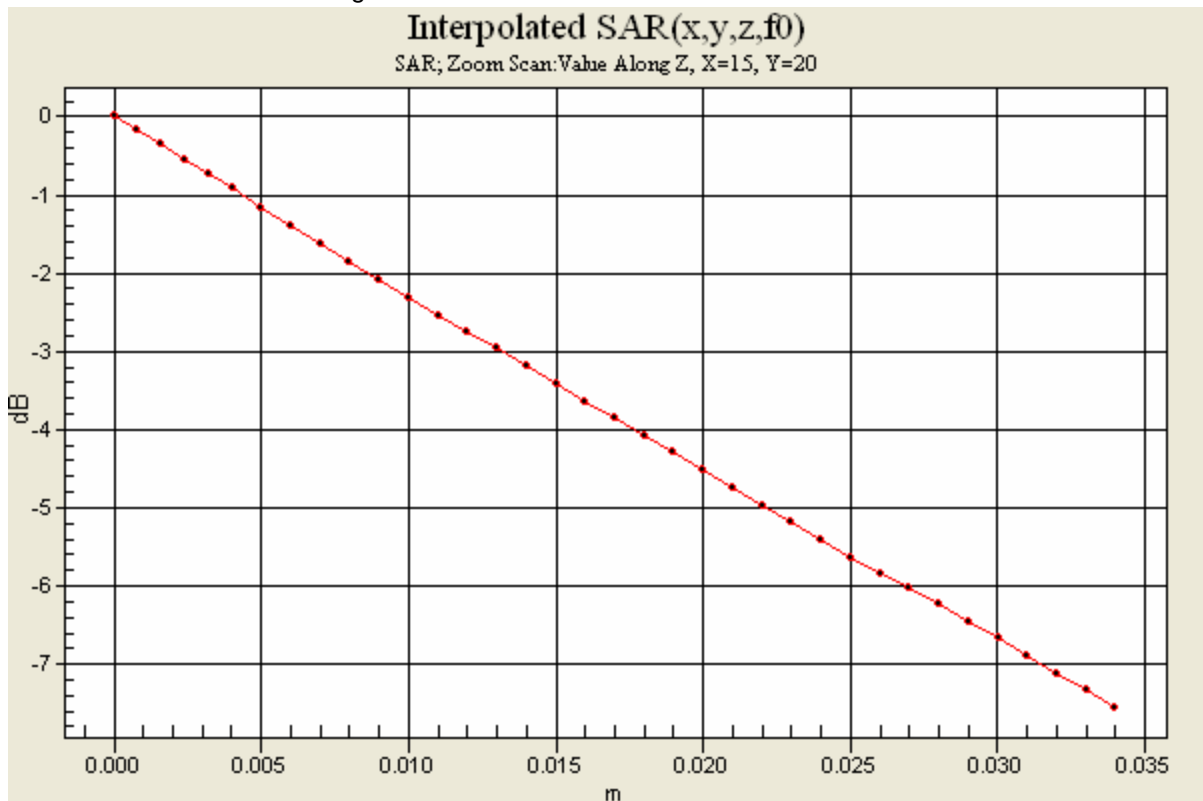
Maximum value of SAR (interpolated) = 0.364 mW/g



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0 dB = 0.364mW/g





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800 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023GNBB with Standard Battery: BST-37

Right Side, Cheek/Touch Position with Blue Tooth. DUT in open position.

Date/Time: 8/31/2005 1:37:20 PM Date/Time: 8/31/2005 1:43:19 PM

File Name: [31Aug05_W600i_GSM850_GNBB_open_BT_RC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 43.9% Ambient Temp: 23.6 C Simulant Temp: 23.3 C

Communication System: GSM 850; Frequency: 849 MHz; Duty Cycle: 1:8.3

Medium: Head 835/900 MHz Medium parameters used (interpolated): f = 849 MHz; s = 0.886 mho/m; $\epsilon_r = 40.2$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.58, 6.58, 6.58); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn417; Calibrated: 11/11/2004
- Phantom: SAM with CRP (Low Band Head); Type: SAM; Serial: 1251
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.630 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.593 mW/g; SAR(10 g) = 0.434 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.625 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

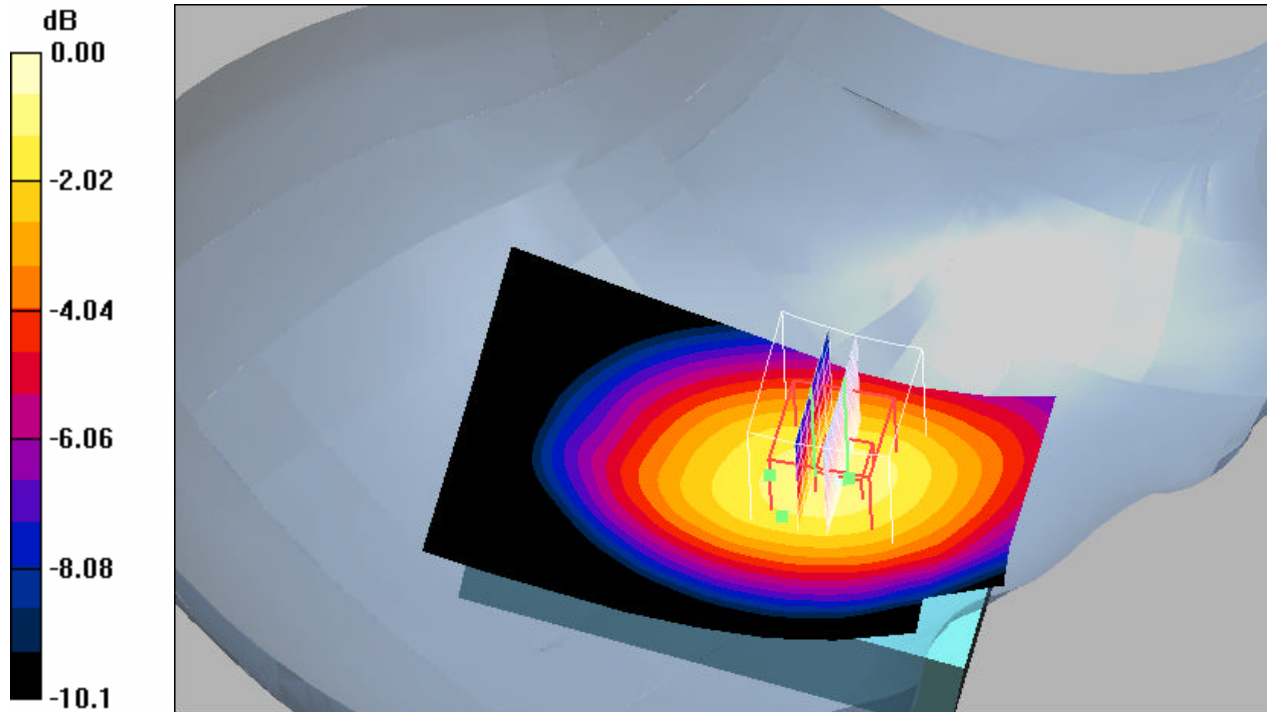
Reference Value = 12.2 V/m; Power Drift = -0.066 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

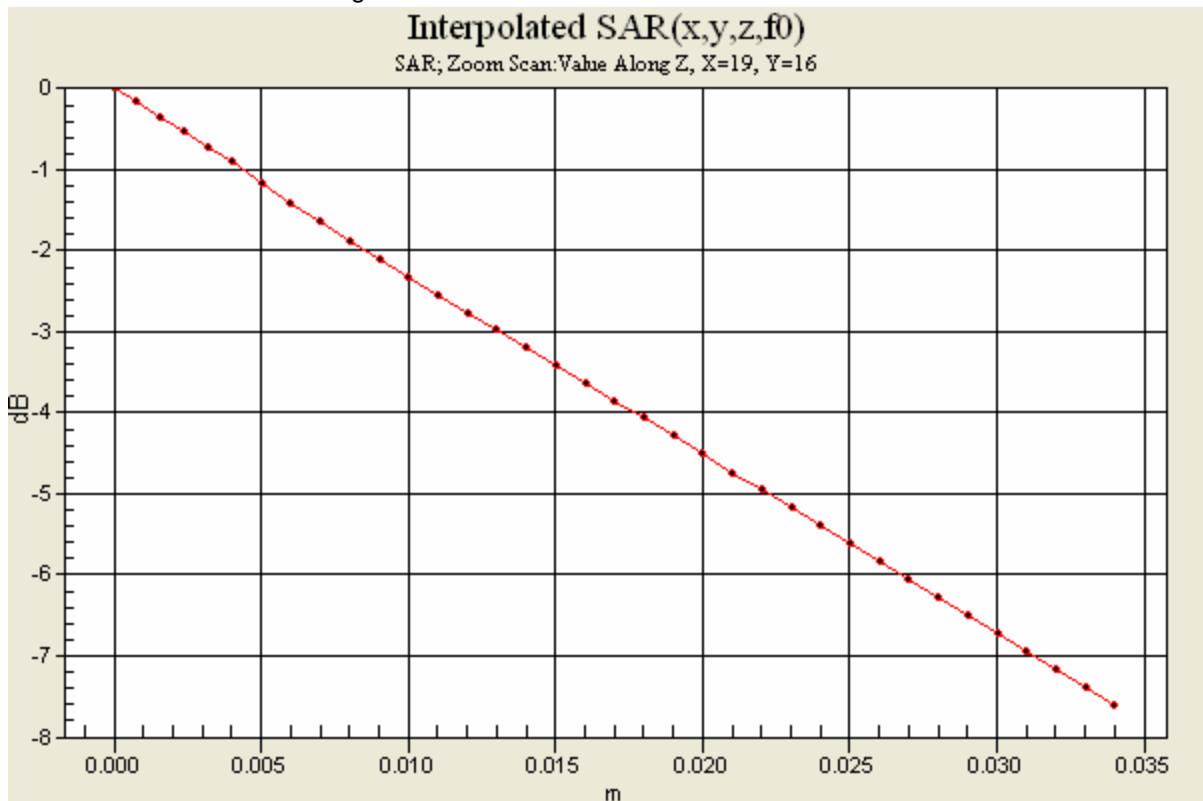
Maximum value of SAR (interpolated) = 0.775 mW/g



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0 dB = 0.775mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Right Side, Cheek/Touch Position. DUT in open position.

Date/Time: 9/3/2005 12:20:38 PM Date/Time: 9/3/2005 12:26:13 PM

File Name: [03Sept05_W600i_GSM1900_HCY4_open_RC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 44.4% Ambient Temp: 22.2 C Simulant Temp: 20.7 C

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used: f = 1880 MHz; s = 1.44 mho/m; $\epsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.11, 5.11, 5.11); Calibrated: 5/27/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.571 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.575 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

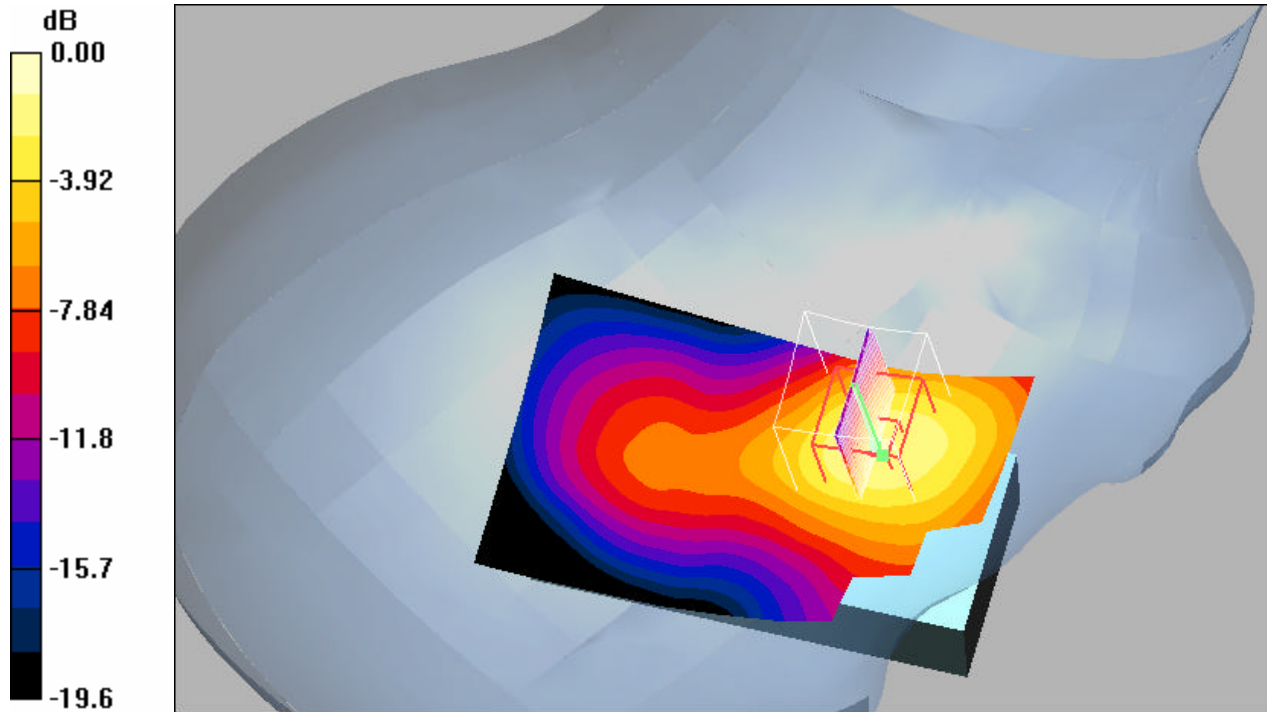
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = -0.037 dB

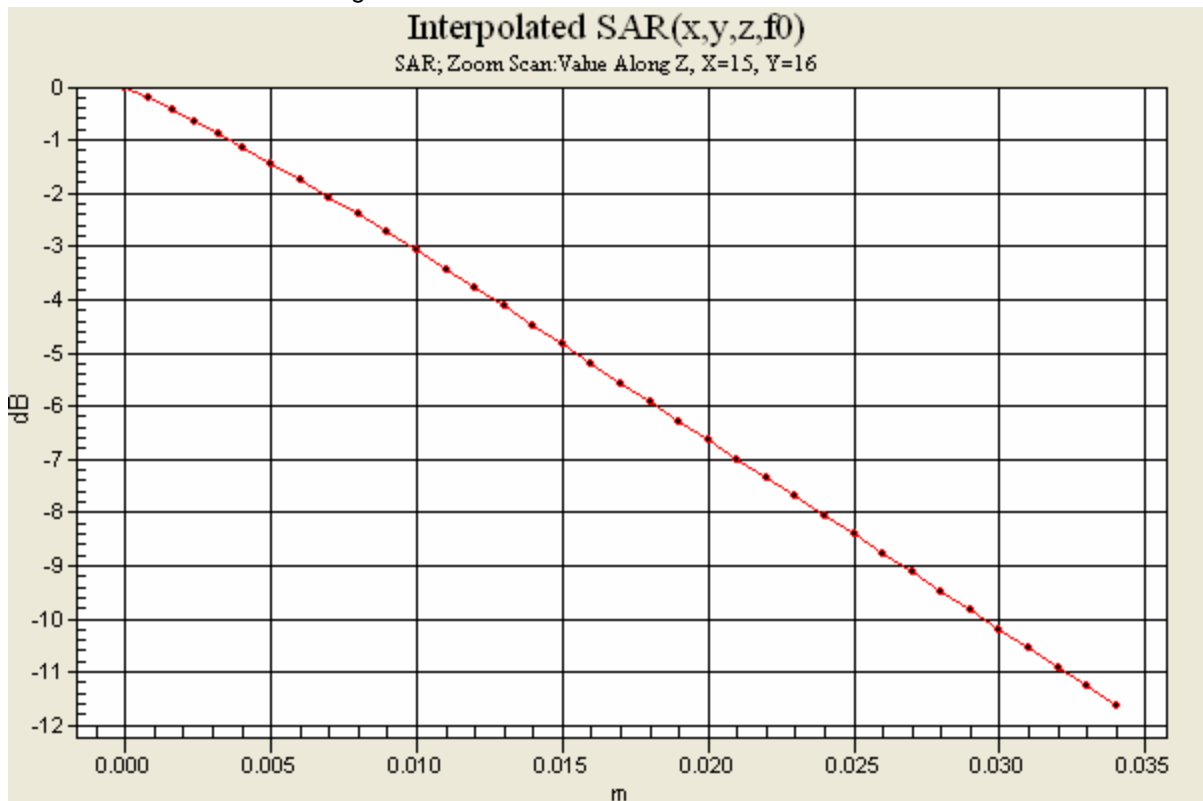
Maximum value of SAR (interpolated) = 0.749 mW/g



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0 dB = 0.749mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Right Side, Tilt Position. DUT in open position.

Date/Time: 9/3/2005 10:41:36 AM Date/Time: 9/3/2005 10:47:09 AM

File Name: [03Sept05_W600i_GSM1900_HCY4_open_RT01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 50.1% Ambient Temp: 22.3 C Simulant Temp: 20.8 C

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.42 mho/m; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.11, 5.11, 5.11); Calibrated: 5/27/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.240 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.6 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.136 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.235 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

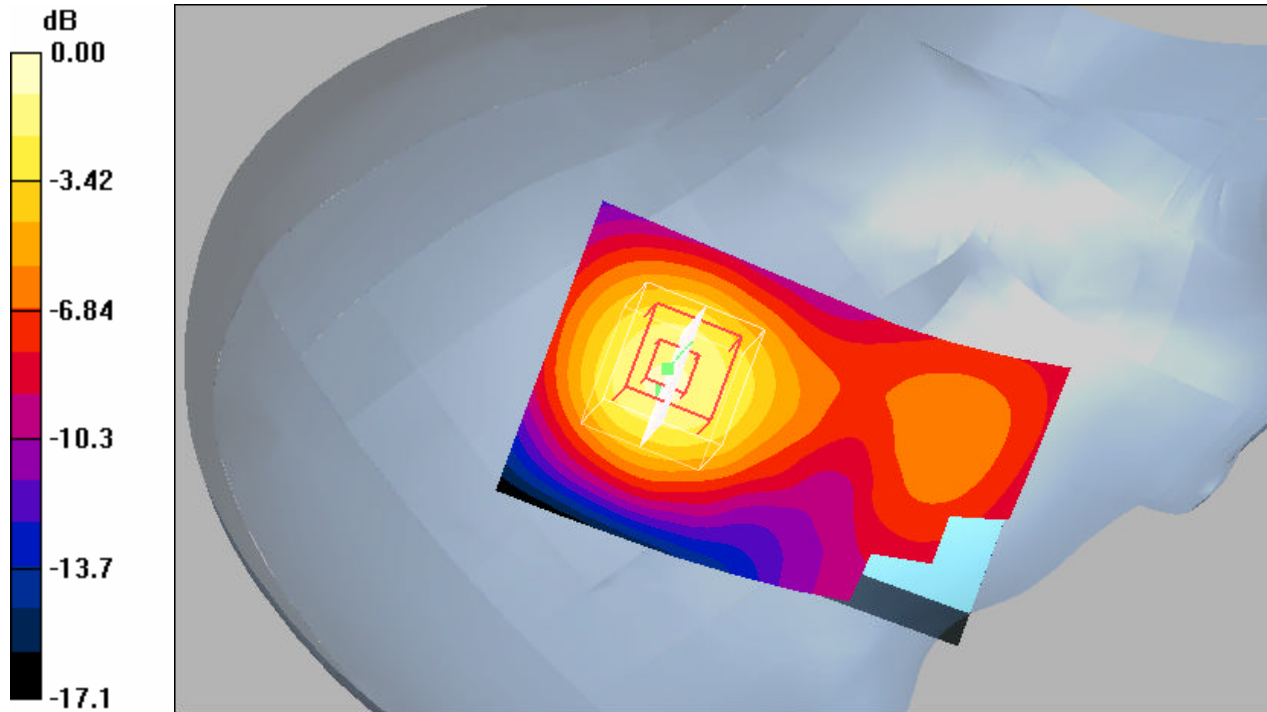
Reference Value = 12.6 V/m; Power Drift = 0.011 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

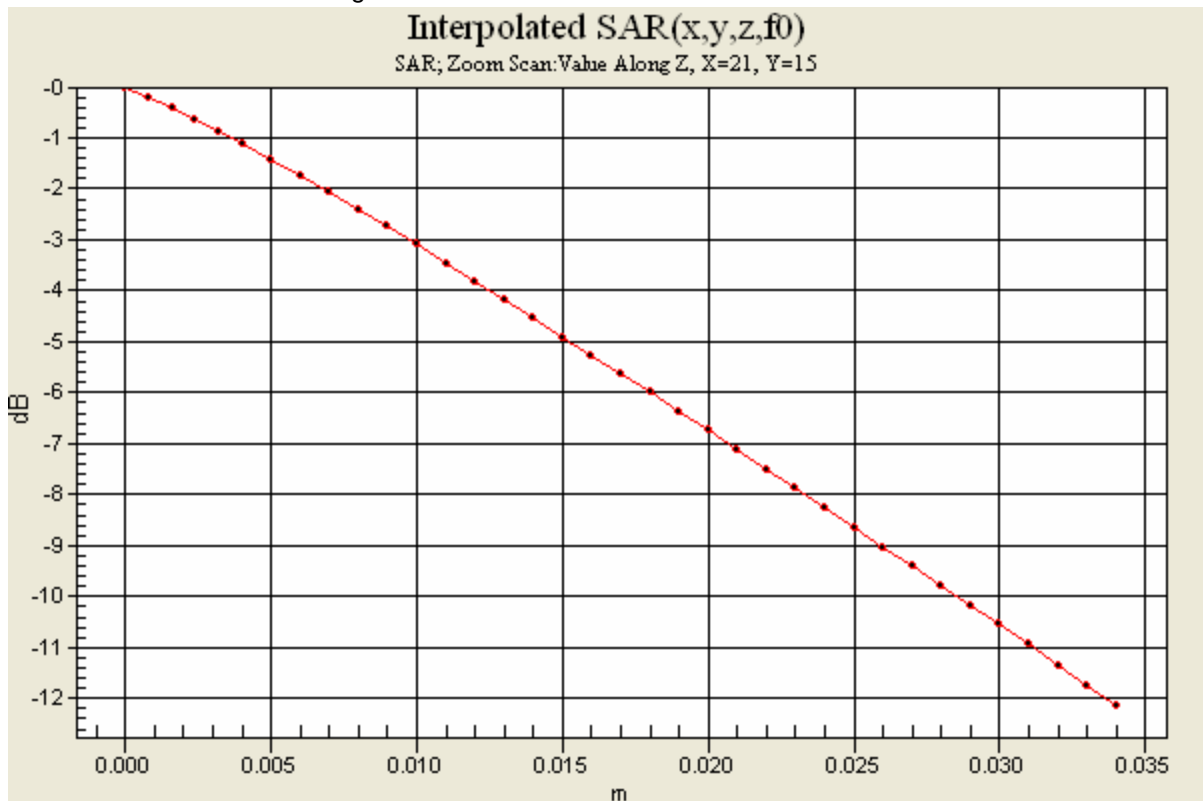
Maximum value of SAR (interpolated) = 0.303 mW/g



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0 dB = 0.303mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Left Side, Cheek/Touch Position. DUT in open position.

Date/Time: 9/3/2005 9:15:52 AM Date/Time: 9/3/2005 9:21:39 AM

File Name: [03Sept05_W600i_GSM1900_HCY4_open_LC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 41.8% Ambient Temp: 22.2 C Simulant Temp: 22.3 C

Communication System: DCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1909.8 MHz; s = 1.46 mho/m; $\epsilon_r = 38.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.05, 5.05, 5.05); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 3/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.401 mW/g

Unnamed procedure 3/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.32 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.237 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.394 mW/g

Unnamed procedure 3/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

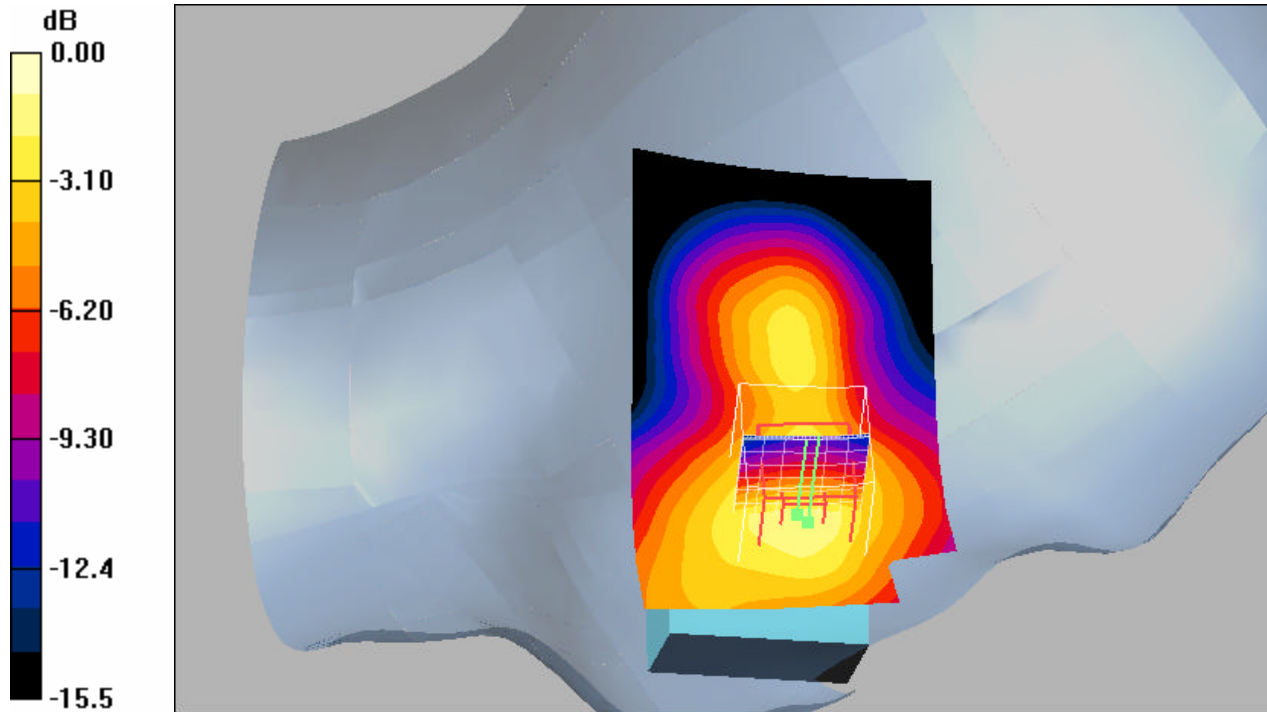
Reference Value = 8.32 V/m; Power Drift = 0.119 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

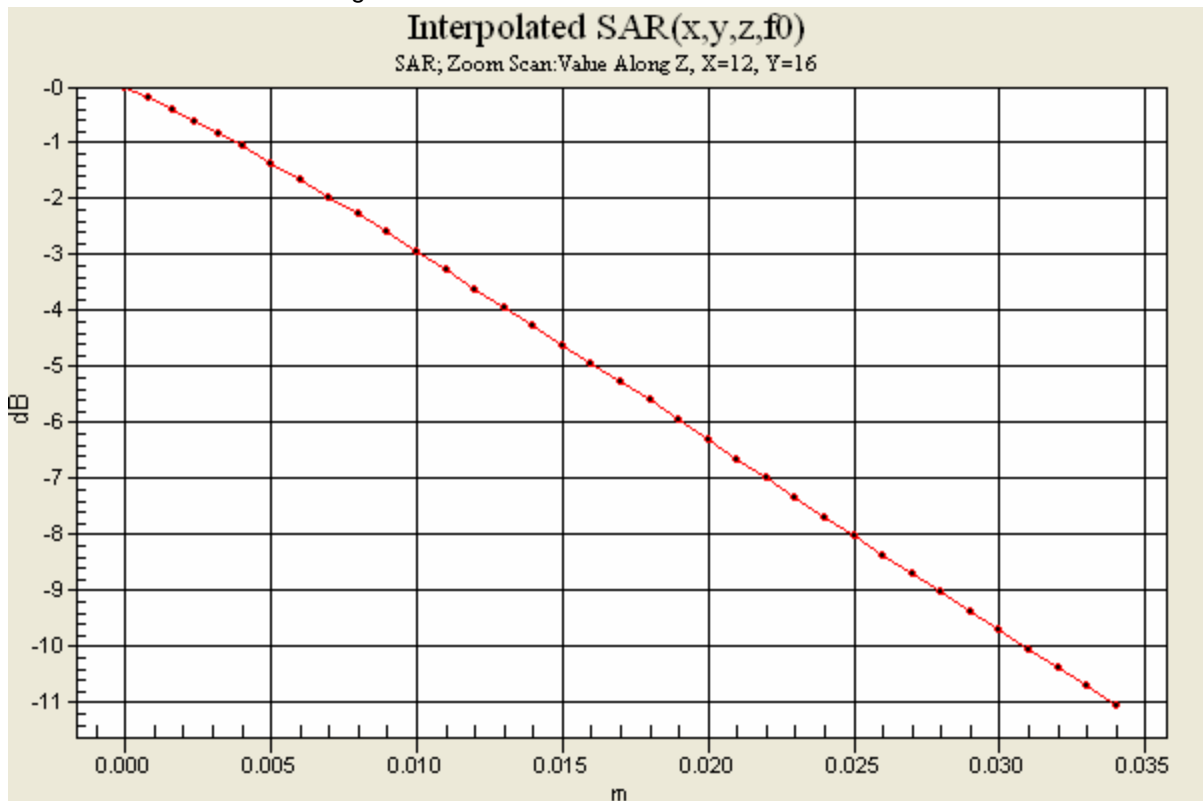
Maximum value of SAR (interpolated) = 0.507 mW/g



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0 dB = 0.507mW/g





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1900 GSM Band: Distribution and Extrapolation of Maximum SAR

Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37

Left Side, Tilt Position. DUT in open position.

Date/Time: 9/3/2005 9:37:11 AM Date/Time: 9/3/2005 9:42:33 AM

File Name: [03Sept05_W600i_GSM1900_HCY4_open_LT01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 43.5% Ambient Temp: 21.8 C Simulant Temp: 21.4 C

Communication System: DCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used (interpolated): f = 1850.2 MHz; s = 1.42 mho/m; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.05, 5.05, 5.05); Calibrated: 5/26/2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (interpolated) = 0.329 mW/g

Unnamed procedure/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.97 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.161 mW/g

[Info: Interpolated medium parameters used for SAR evaluation!](#)

Maximum value of SAR (measured) = 0.291 mW/g

Unnamed procedure/Zoom Scan (31x31x36)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

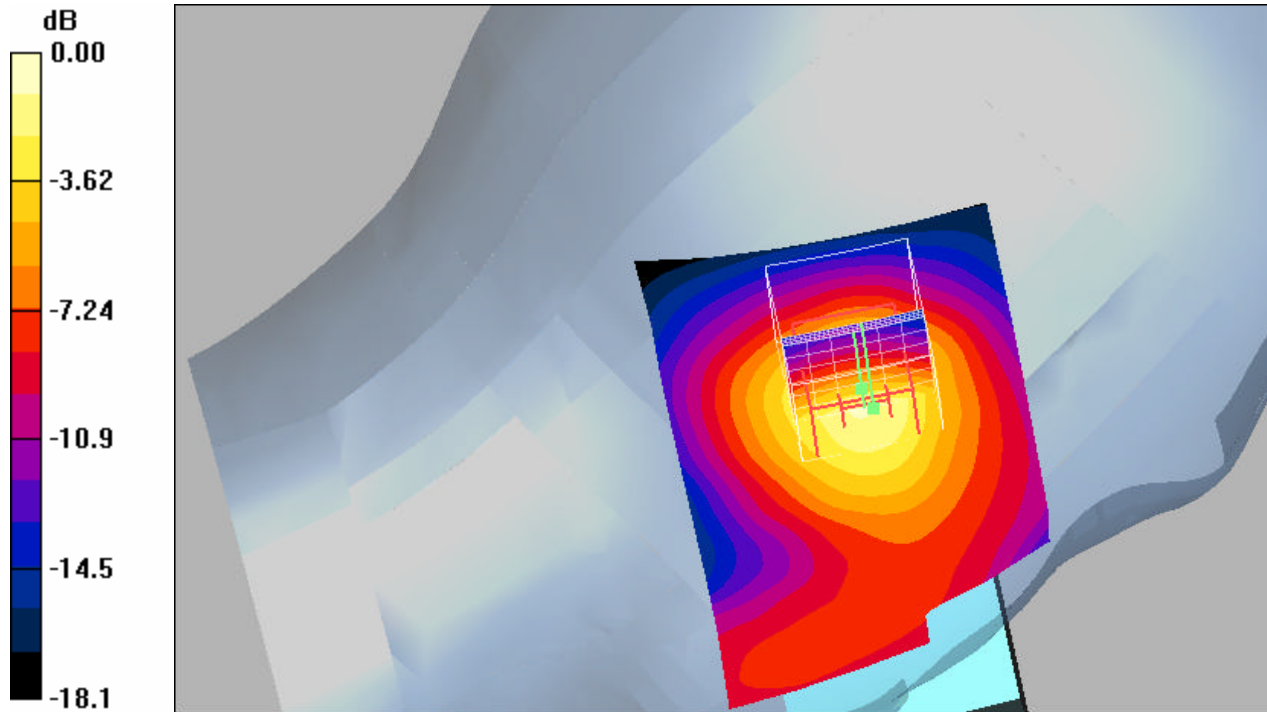
Reference Value = 6.97 V/m; Power Drift = 0.042 dB

[Info: Interpolated medium parameters used for SAR evaluation!](#)

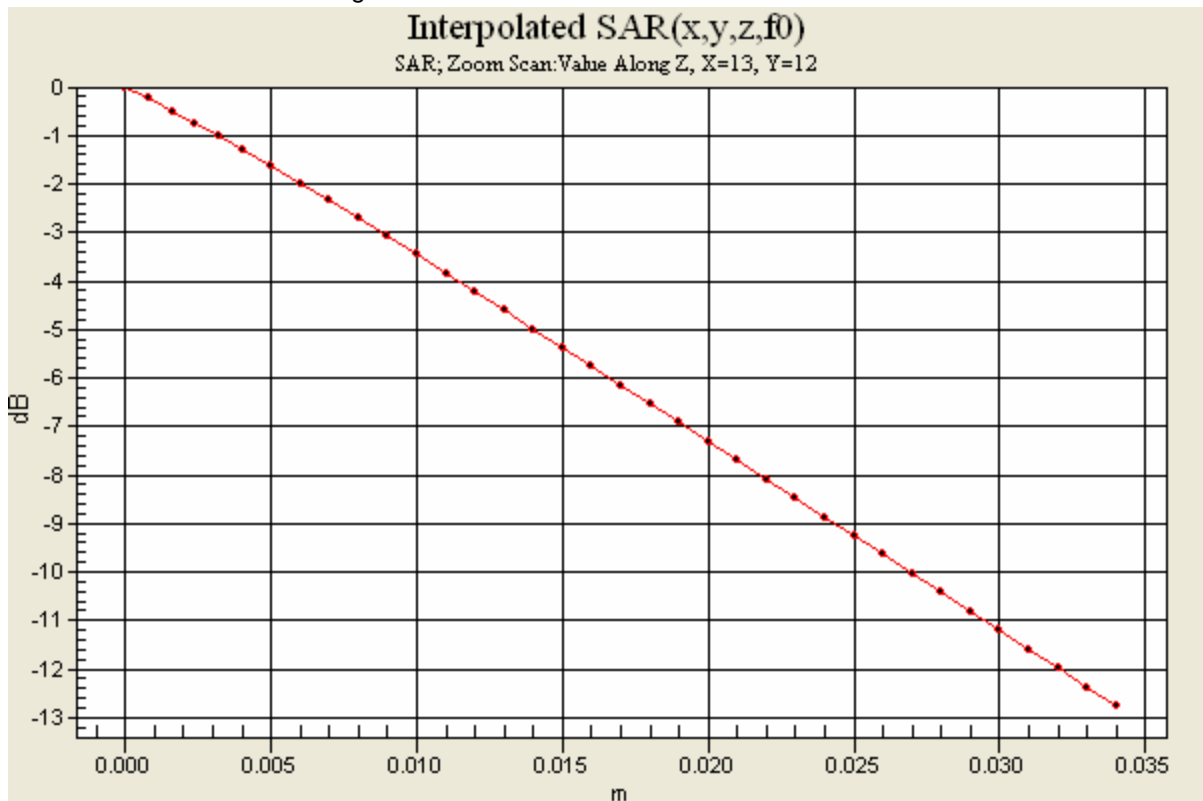
Maximum value of SAR (interpolated) = 0.392 mW/g



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0 dB = 0.392mW/g





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**1900 GSM Band: Distribution and Extrapolation of Maximum SAR
Model: W600i SN: BD3023HCY4 with Standard Battery: BST-37
Right Side, Cheek/Touch Position with Blue Tooth. DUT in open position.**

Date/Time: 9/3/2005 2:31:27 PM Date/Time: 9/3/2005 2:37:01 PM

File Name: [03Sept05_W600i_GSM1900_HCY4_open_BT_RC01.da4](#)

DUT: W600i open

Program Notes: Battery BST-37 Humidity: 42.3% Ambient Temp: 21.6 C Simulant Temp: 20.7 C

Communication System: DCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Head 1800/1900 MHz Medium parameters used: f = 1880 MHz; s = 1.44 mho/m; $\epsilon_r = 38.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1587; ConvF(5.11, 5.11, 5.11); Calibrated: 5/27/2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn345; Calibrated: 11/12/2004
- Phantom: SAM with CRP (High Band Head); Type: SAM; Serial: TP: 1054
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Unnamed procedure 2/Area Scan (51x81x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.491 mW/g

Unnamed procedure 2/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.05 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.622 W/kg

SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.488 mW/g

Unnamed procedure 2/Zoom Scan (31x31x36)/Cube 0:

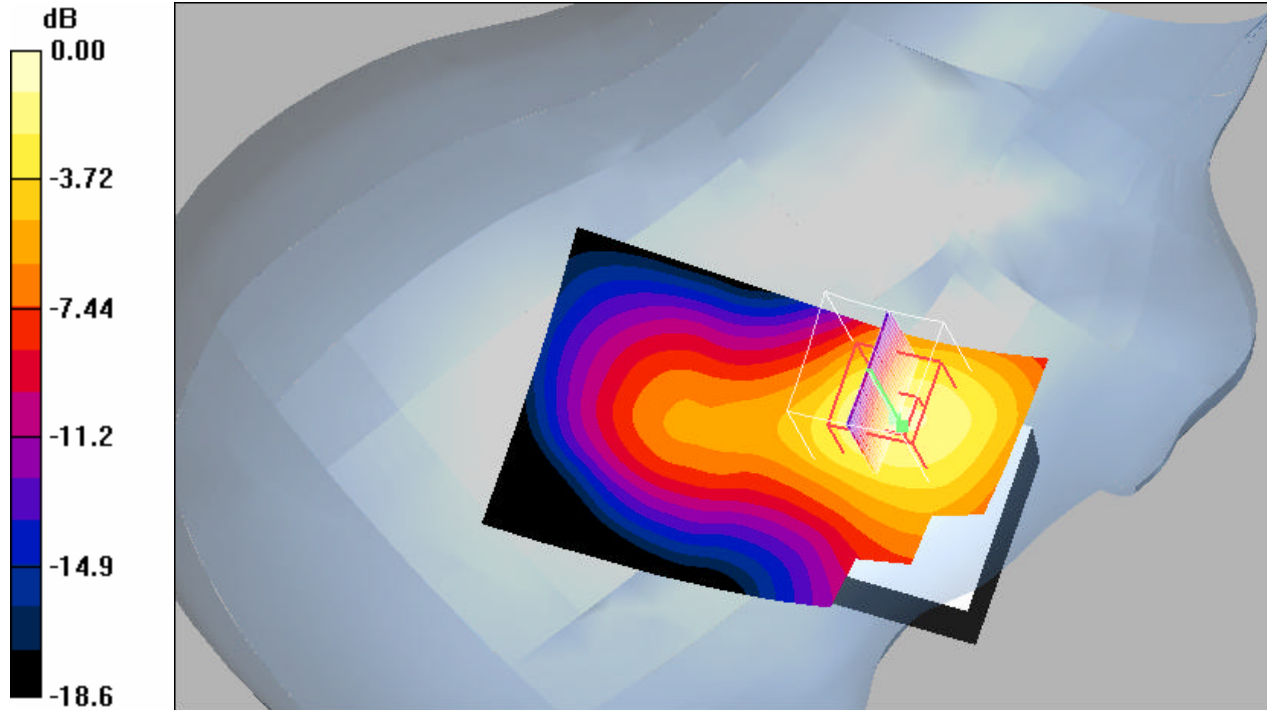
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.05 V/m; Power Drift = -0.025 dB

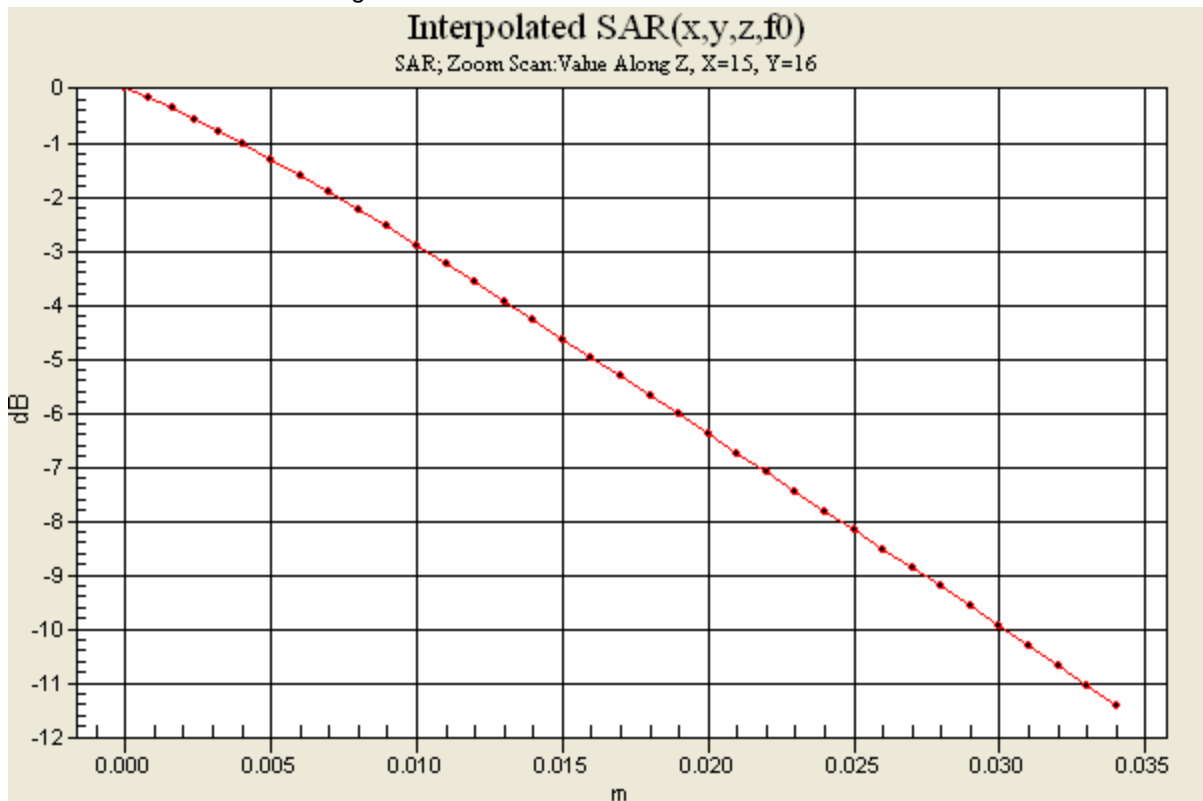
Maximum value of SAR (interpolated) = 0.622 mW/g



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0 dB = 0.622mW/g





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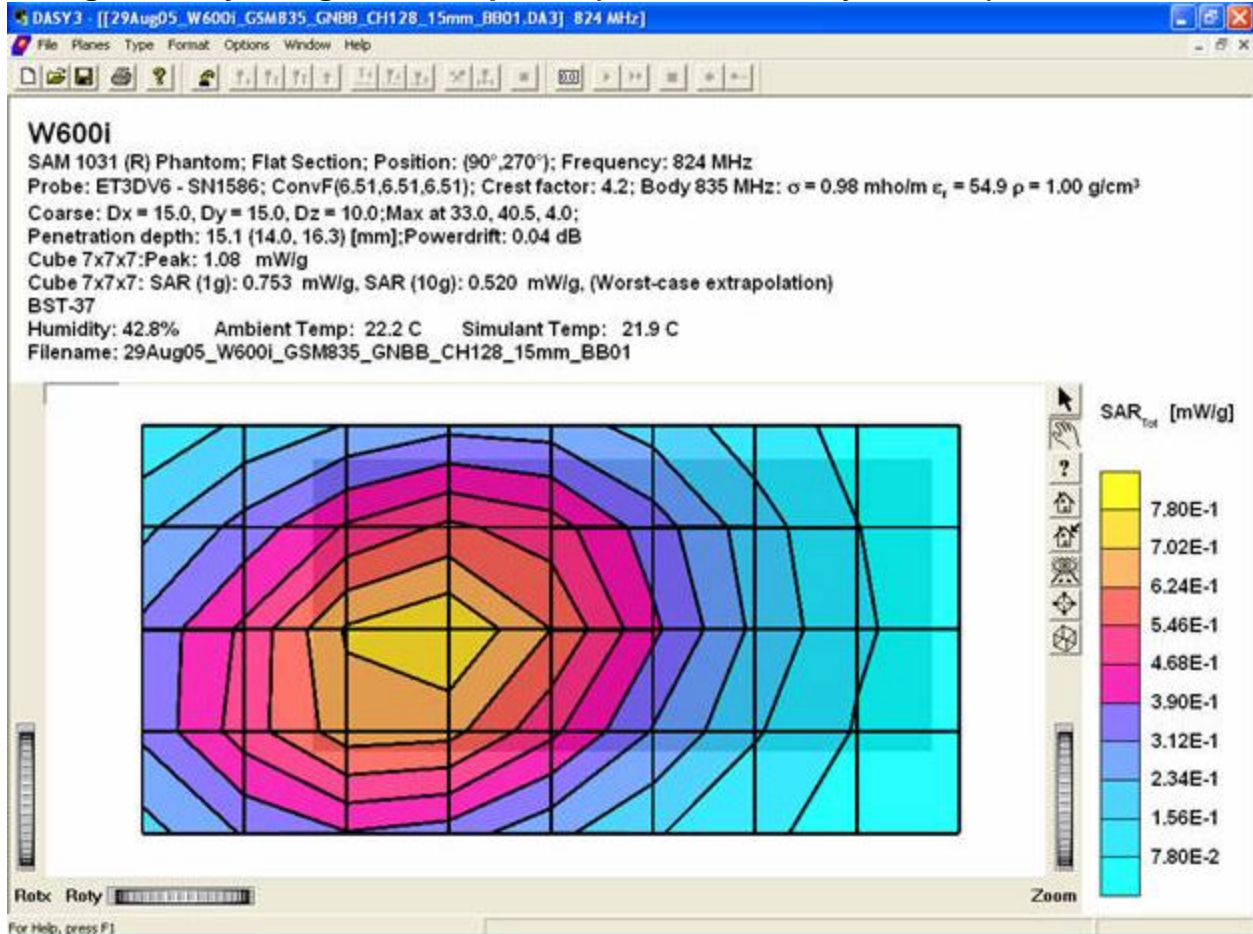
Appendix 3

SAR distribution plots for Body Worn Configuration



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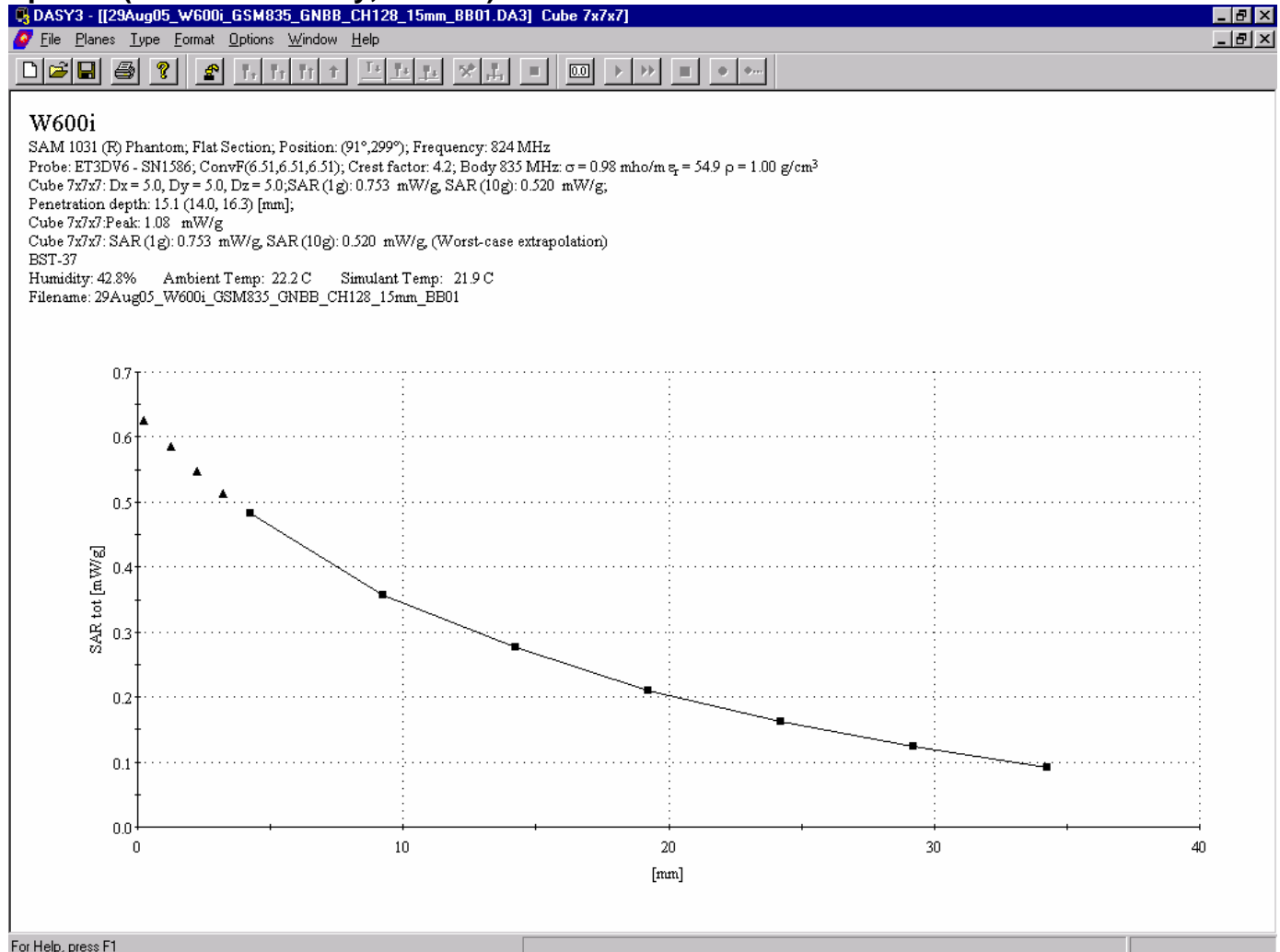
Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-37)





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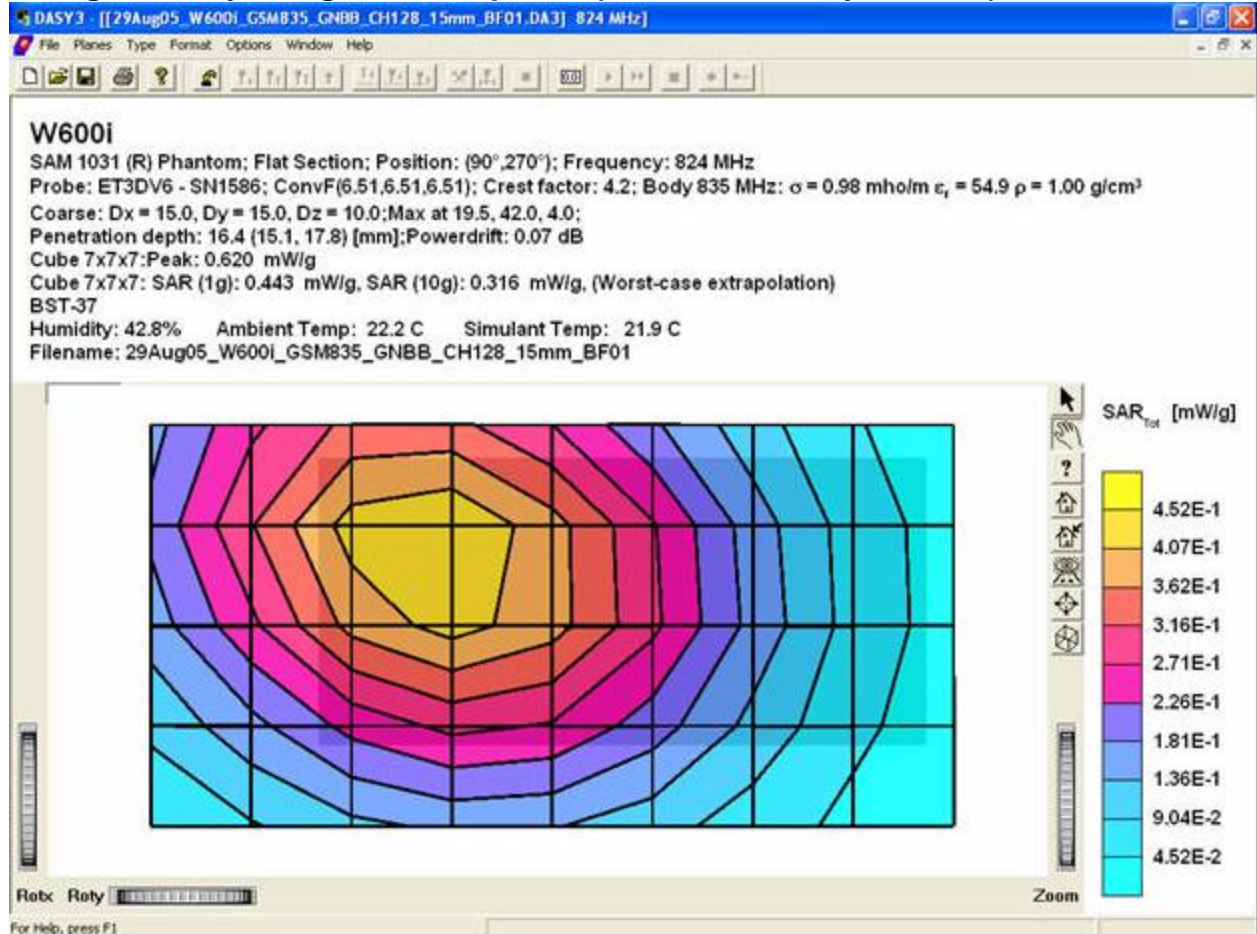
SAR Extrapolation to the phantom inner surface. Measured for maximum SAR in 800 GSM band, while back of the phone is against the body using a 15mm Spacer. (Standard Battery, BST-37)





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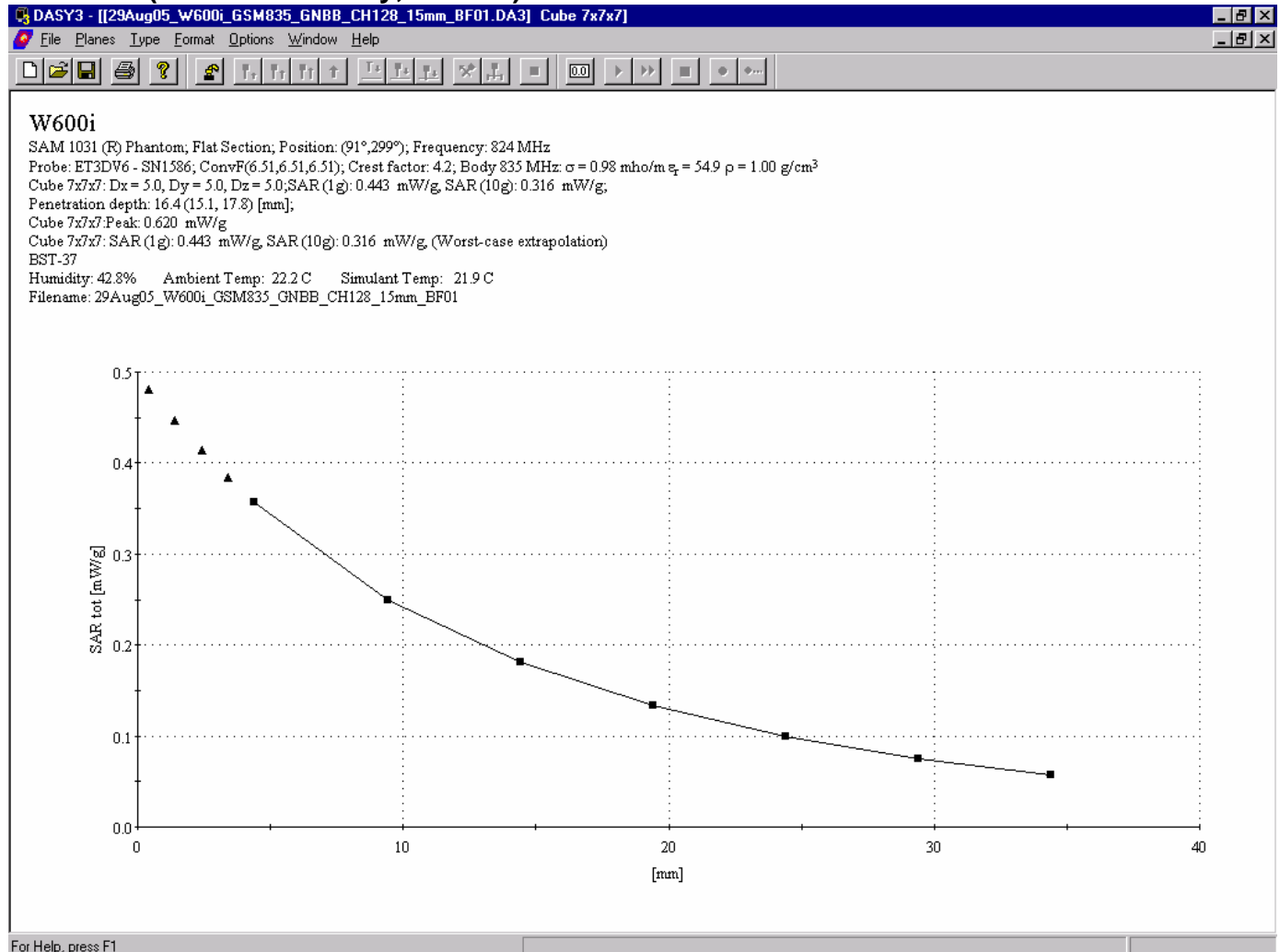
Distribution of maximum SAR in 800 GSM band. Measured with front of device facing the body using a 15mm spacer. (Standard Battery, BST-37)





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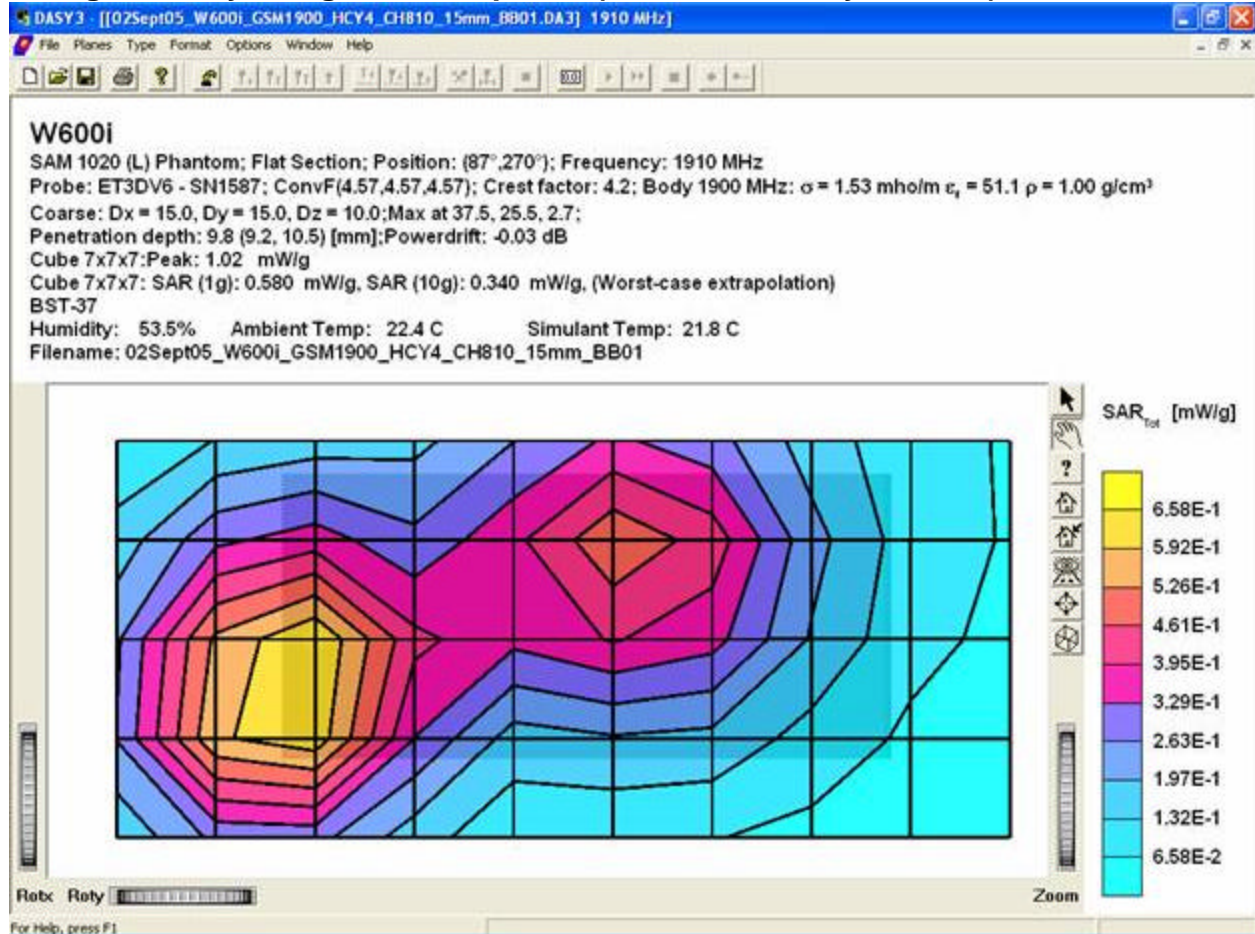
SAR Extrapolation to the phantom inner surface. Measured for maximum SAR in 800 GSM band, while front of the phone is against the body using a 15mm SPACER. (Standard Battery, BST-37)





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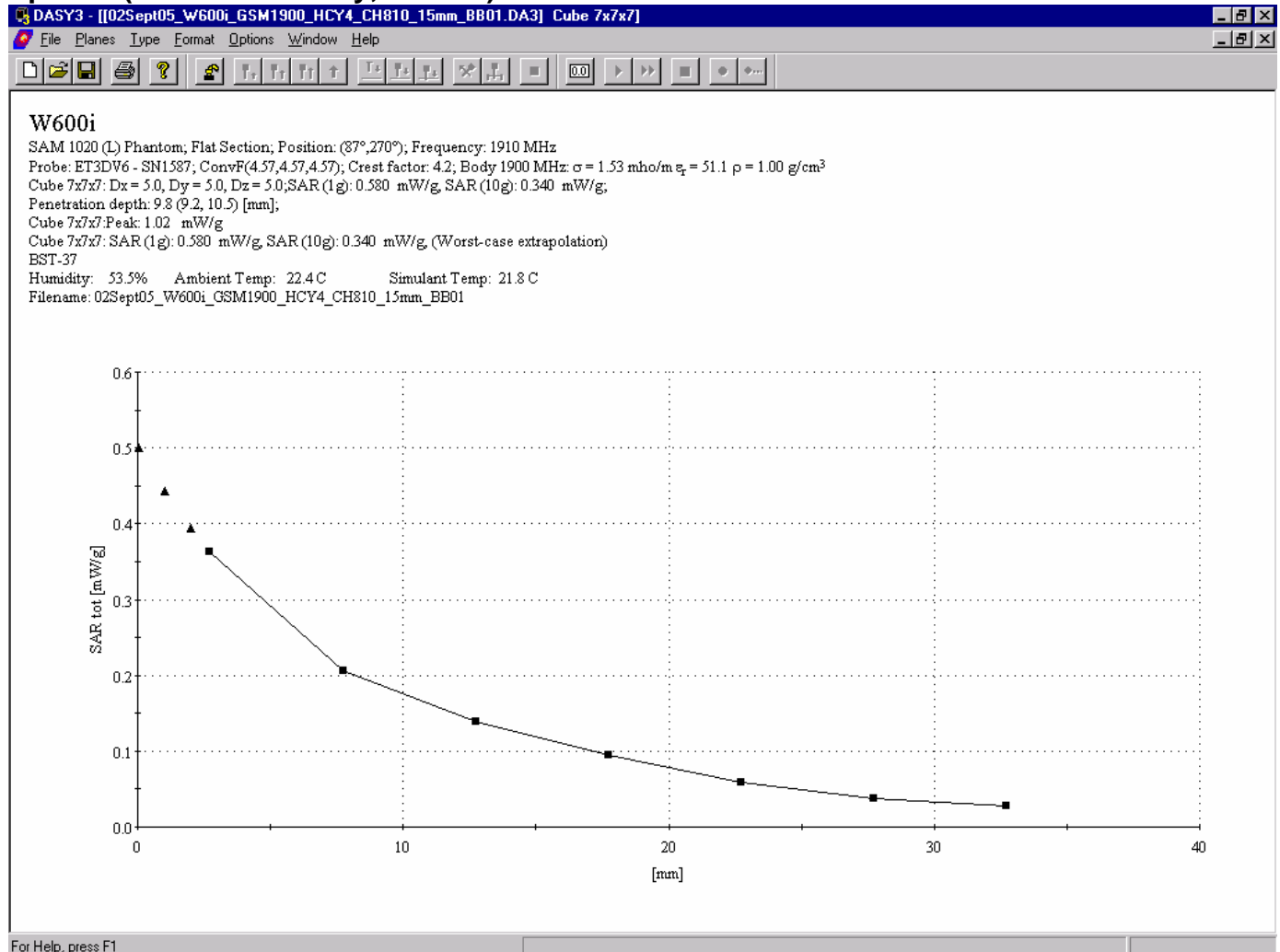
Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using a 15mm spacer. (Standard Battery, BST-37)





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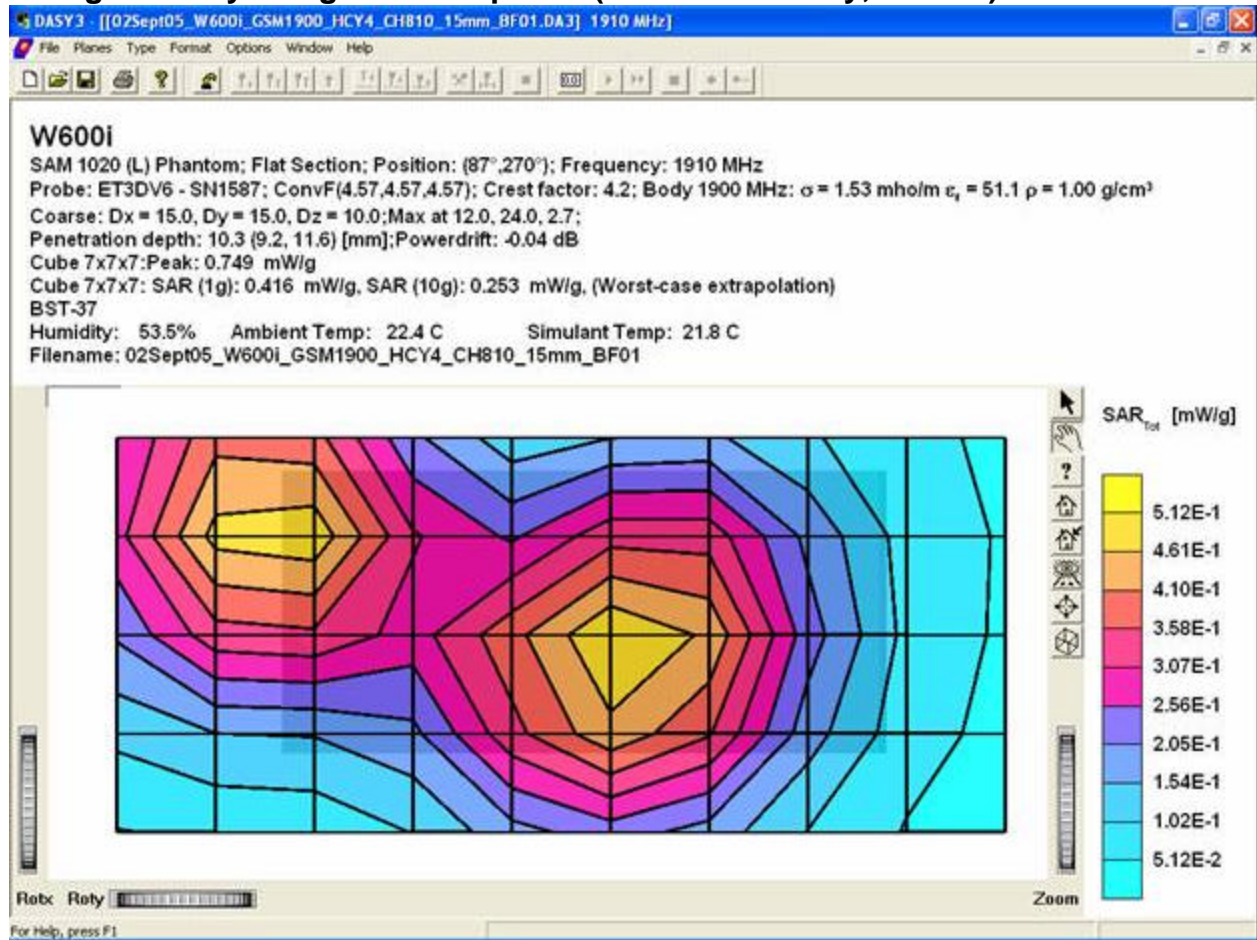
SAR Extrapolation to the phantom inner surface. Measured for maximum SAR in 1900 GSM band, while back of the phone is against the body using a 15mm Spacer. (Standard Battery, BST-37)





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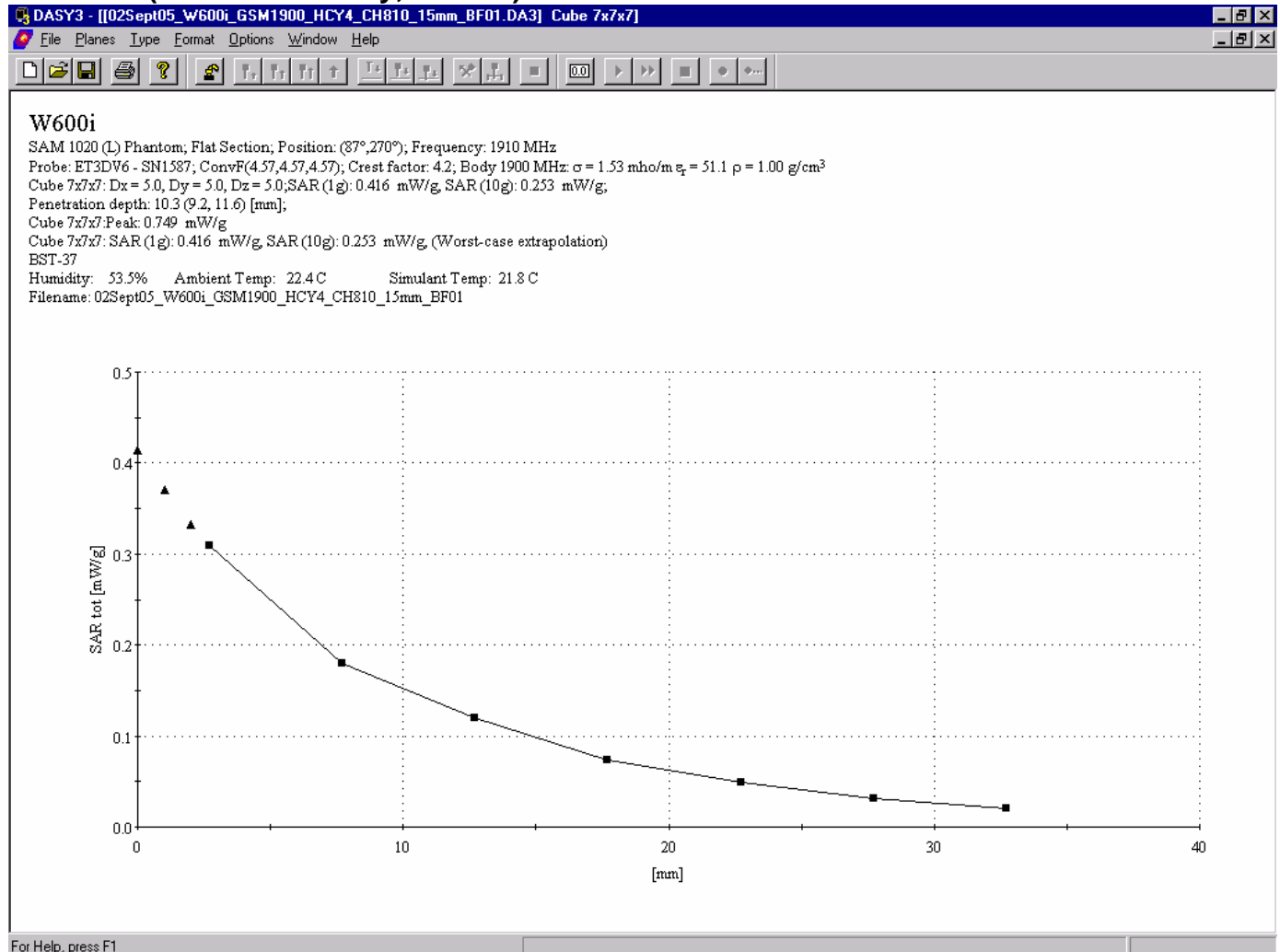
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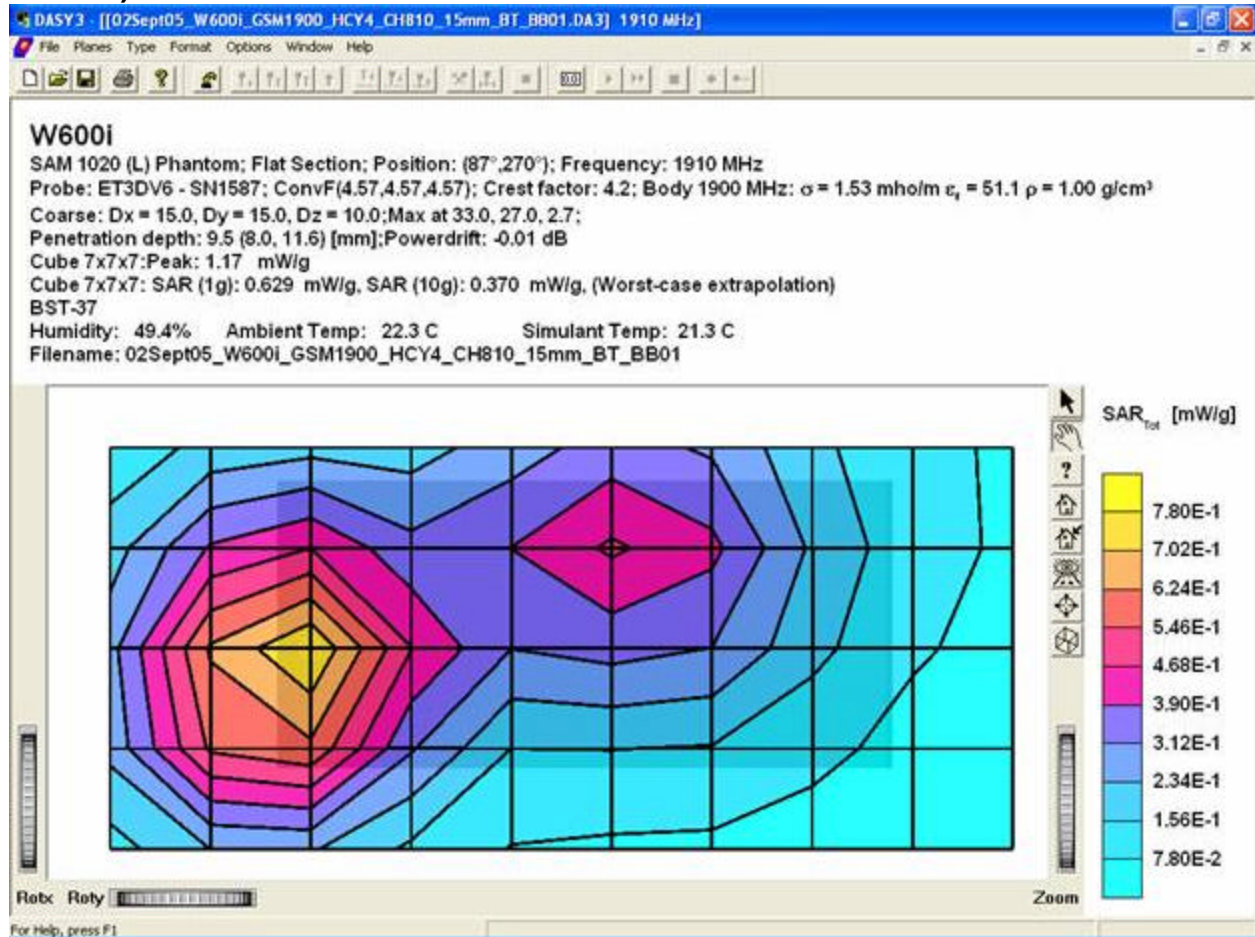
SAR Extrapolation to the phantom inner surface. Measured for maximum SAR in 1900 GSM band, while front of the phone is against the body using a 15mm SPACER. (Standard Battery, BST-37)





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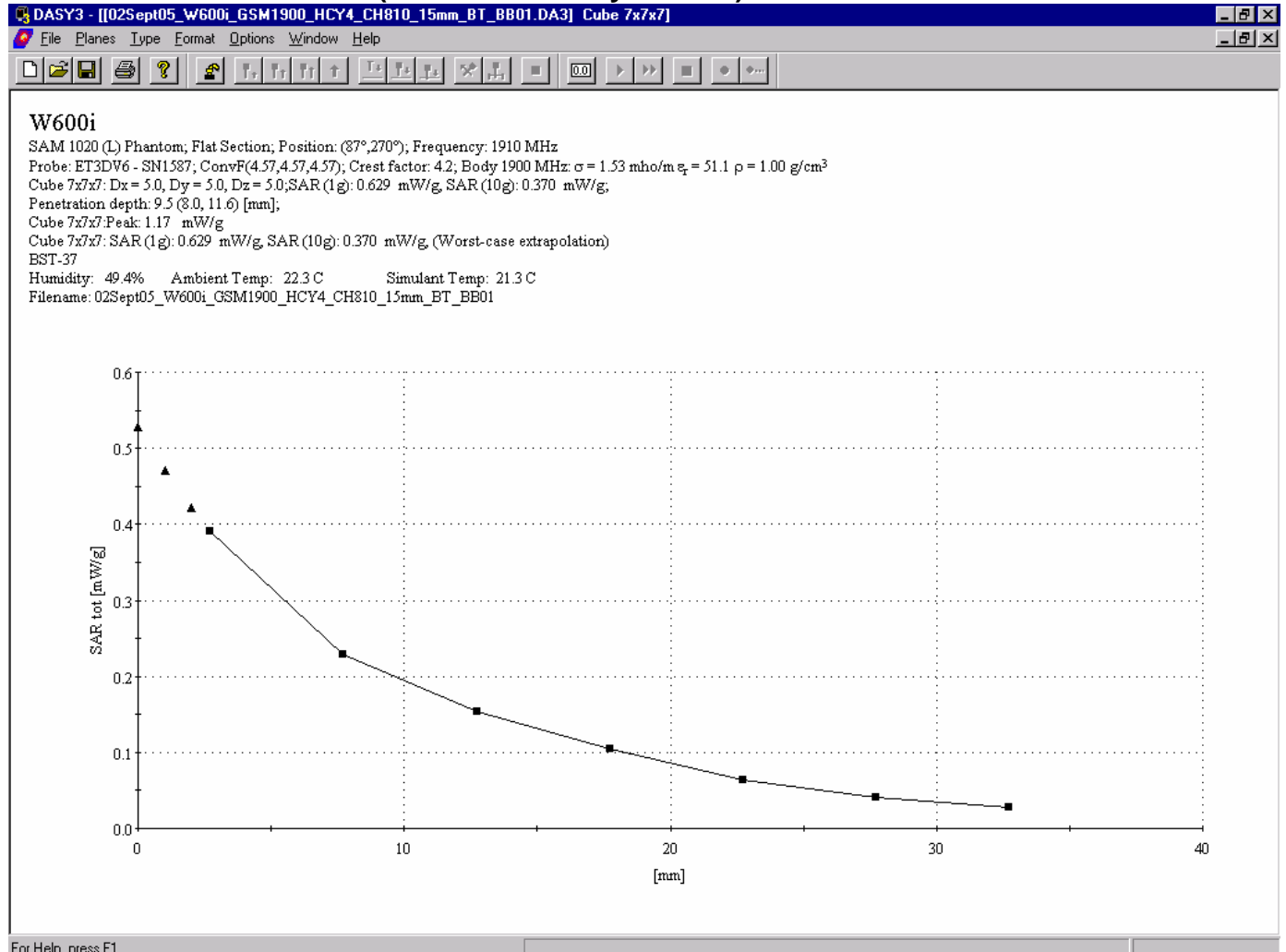
Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using a 15mm SPACER with Blue Tooth. (Standard Battery BST-37)





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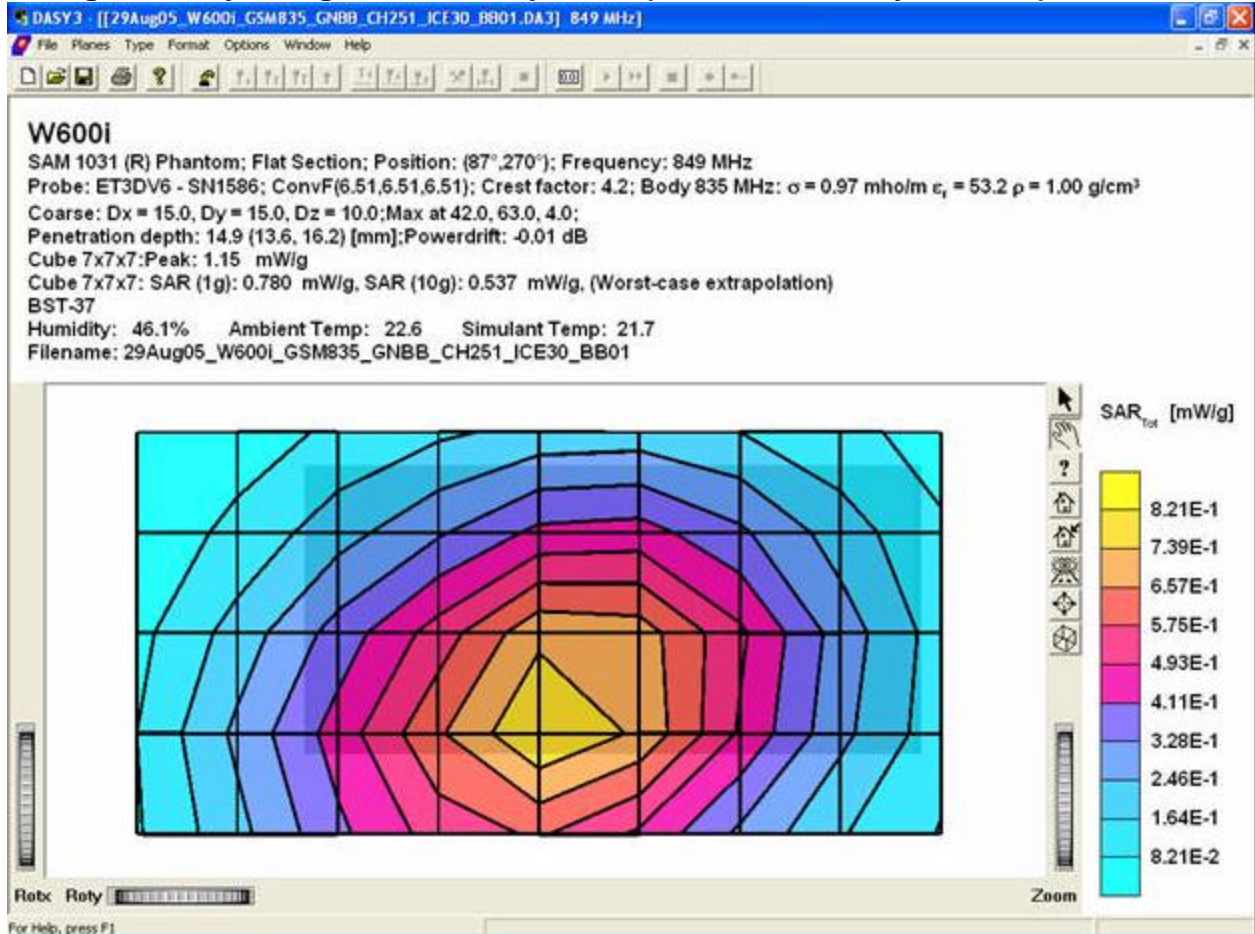
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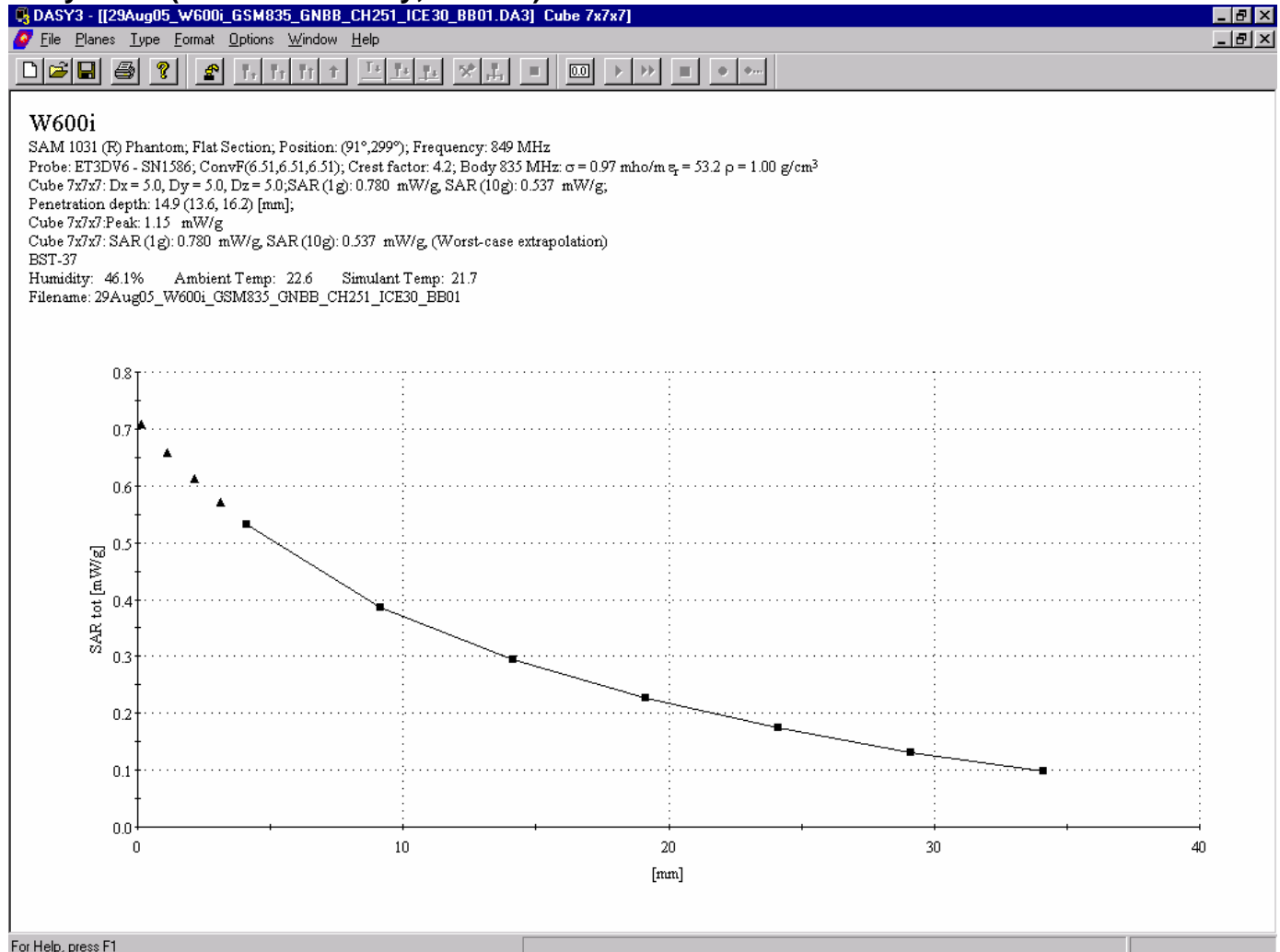
Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a ICE30 carry case. (Standard Battery, BST-37)





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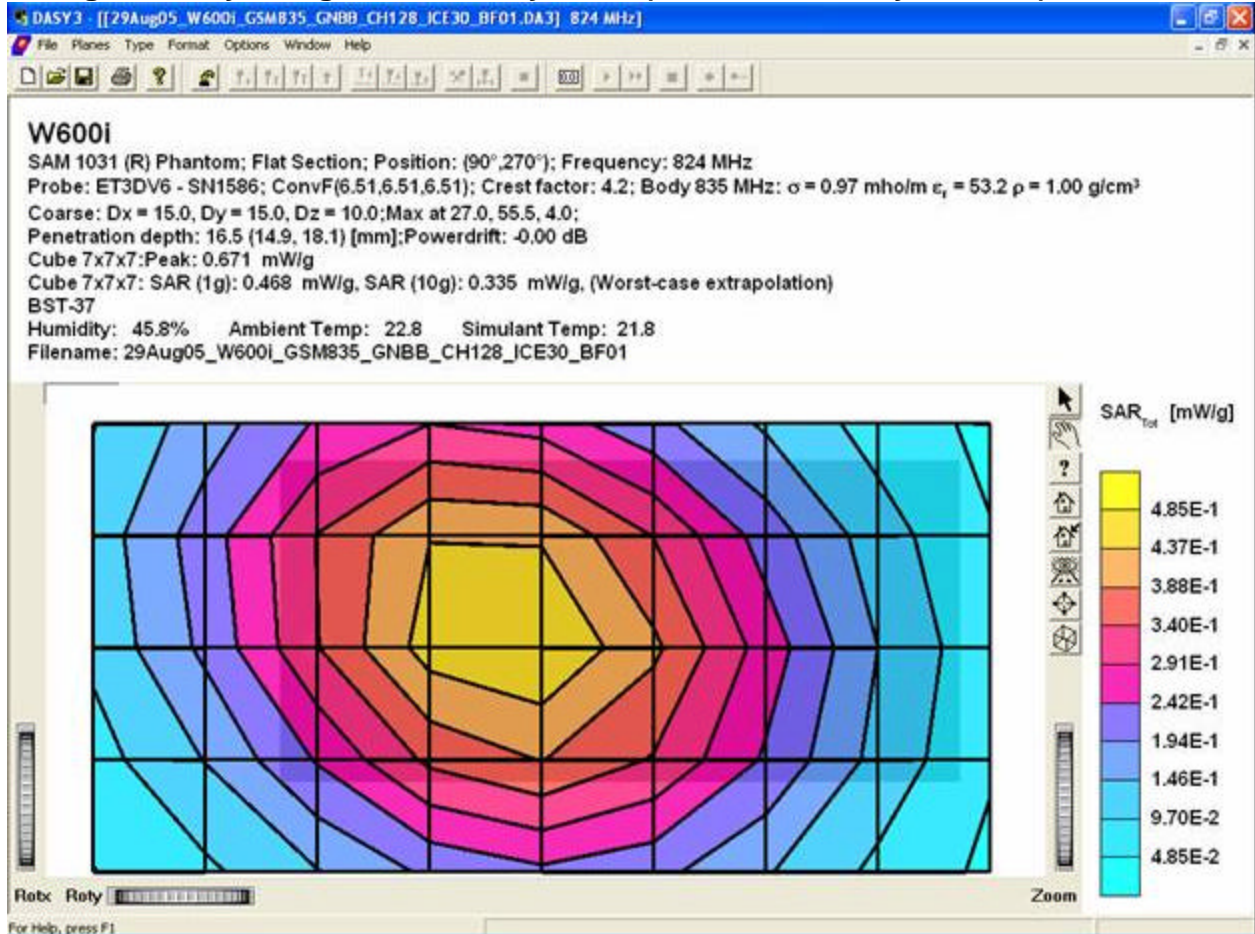
SAR Extrapolation to the phantom inner surface. Measured for maximum SAR in 800 GSM band, while back of the phone is against the body using a ICE30 carry case. (Standard Battery, BST-37)





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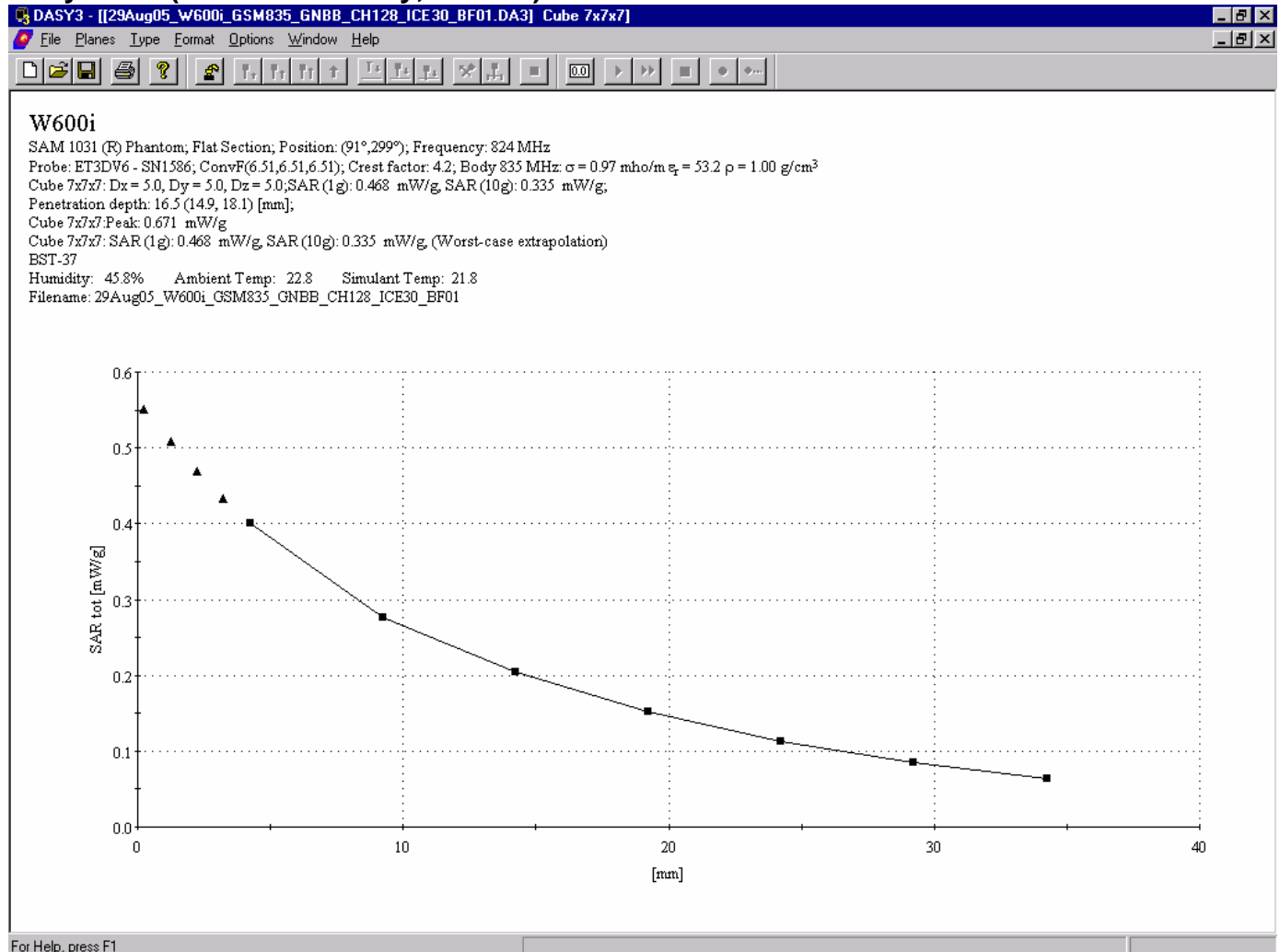
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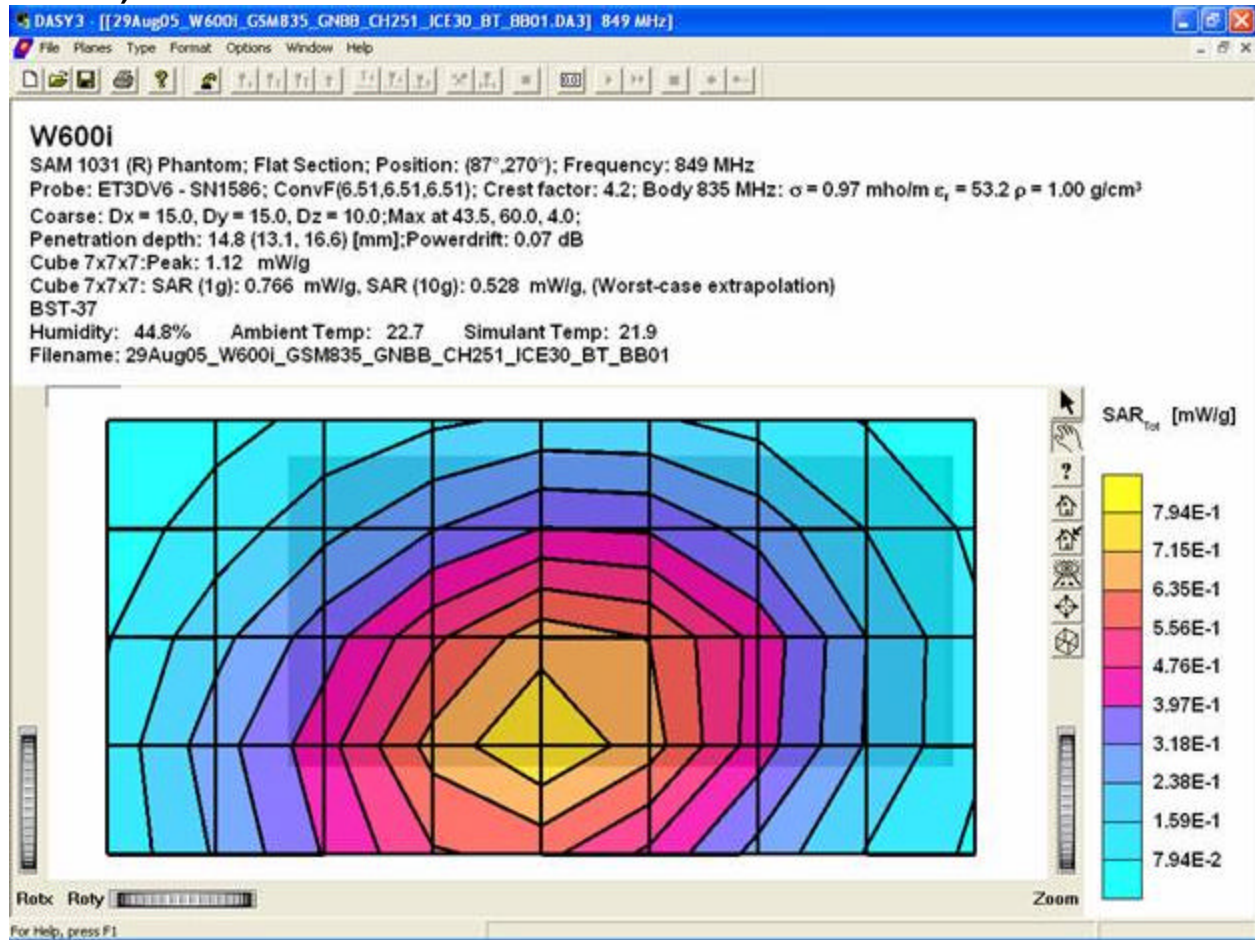
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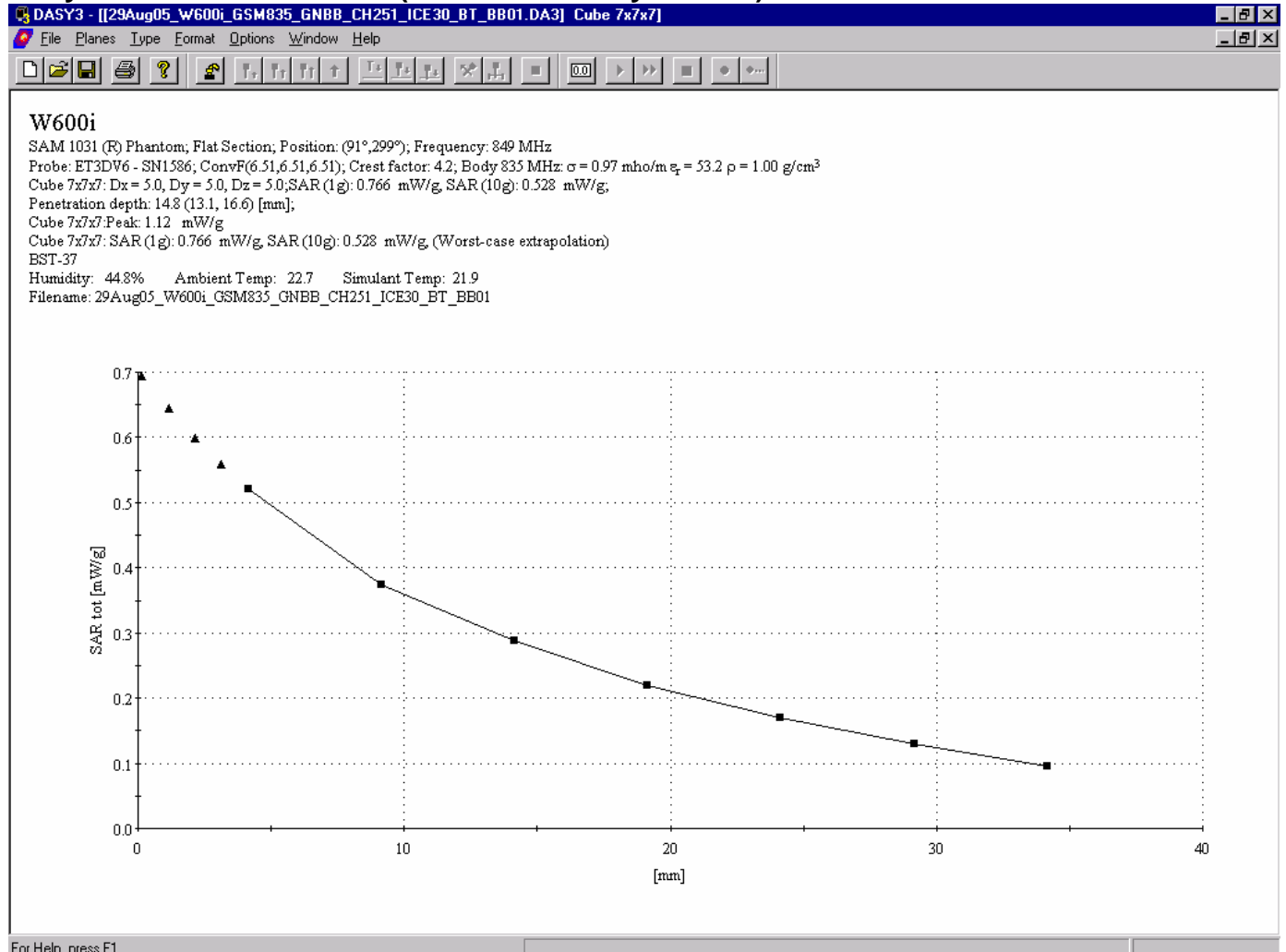
Distribution of maximum SAR in 800 GSM band. Measured with back of device facing the body using a ICE30 carry case with Blue Tooth. (Standard Battery BST-37)





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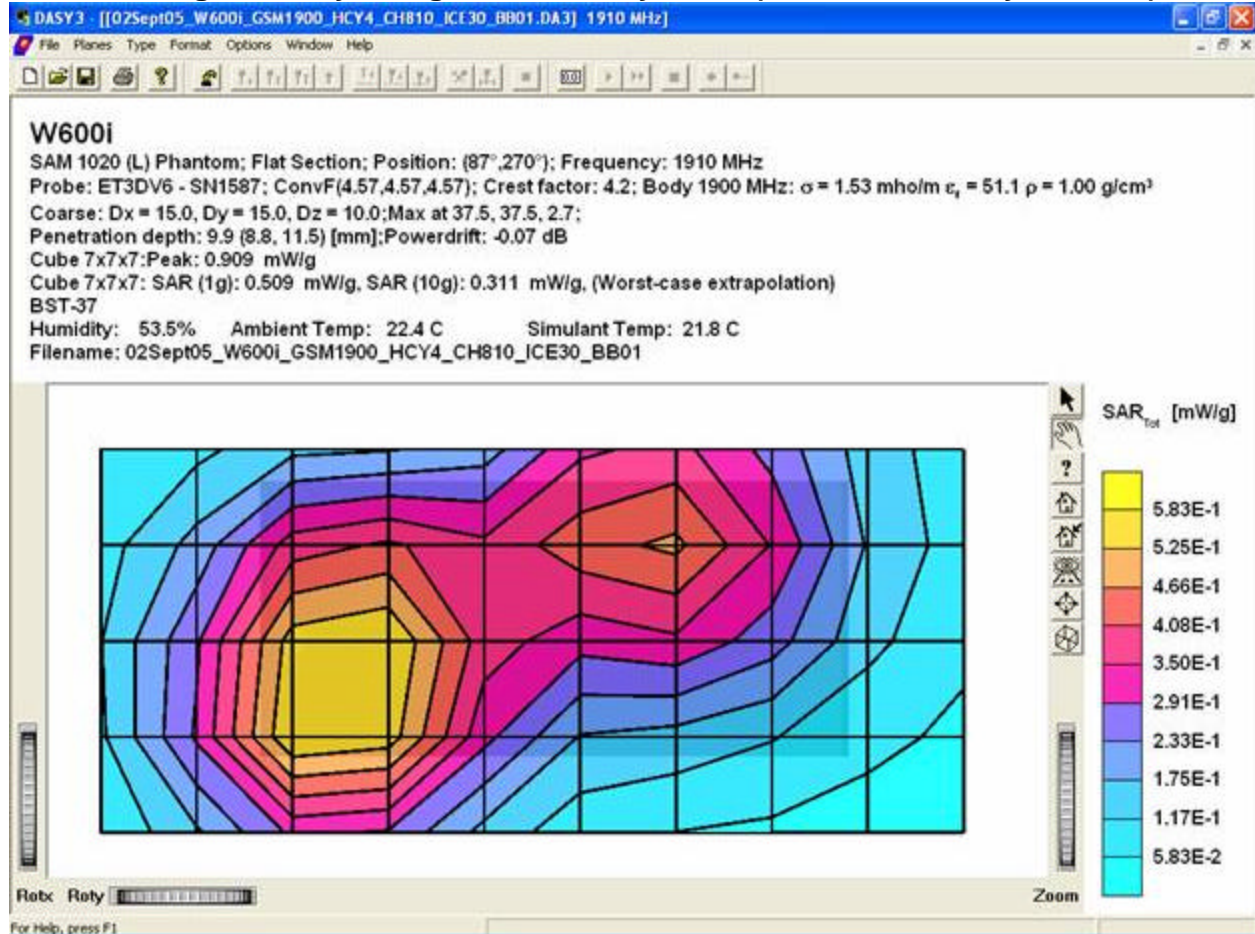
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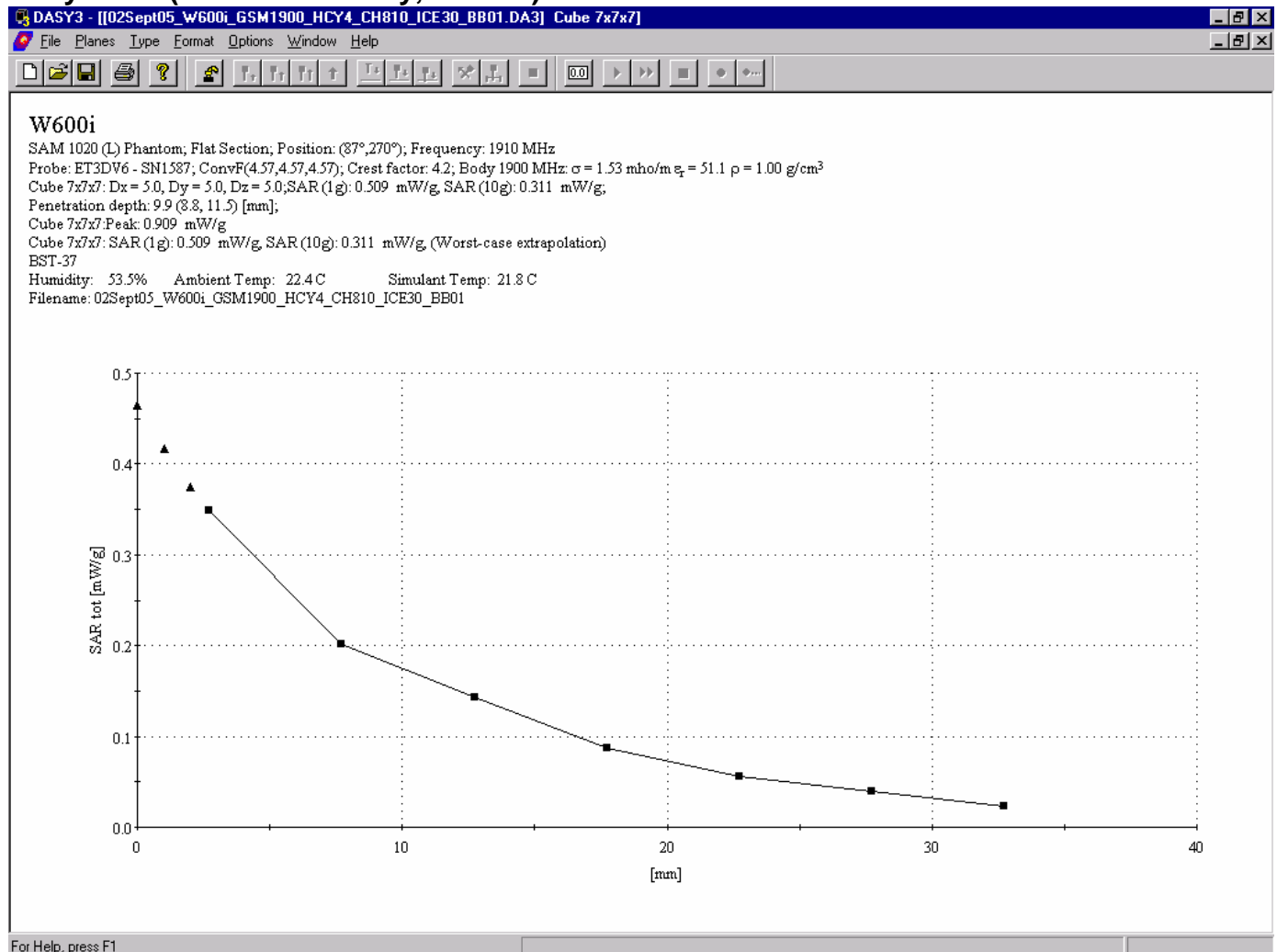
Distribution of maximum SAR in 1900 GSM band. Measured with back of device facing the body using a ICE30 carry case. (Standard Battery, BST-37)





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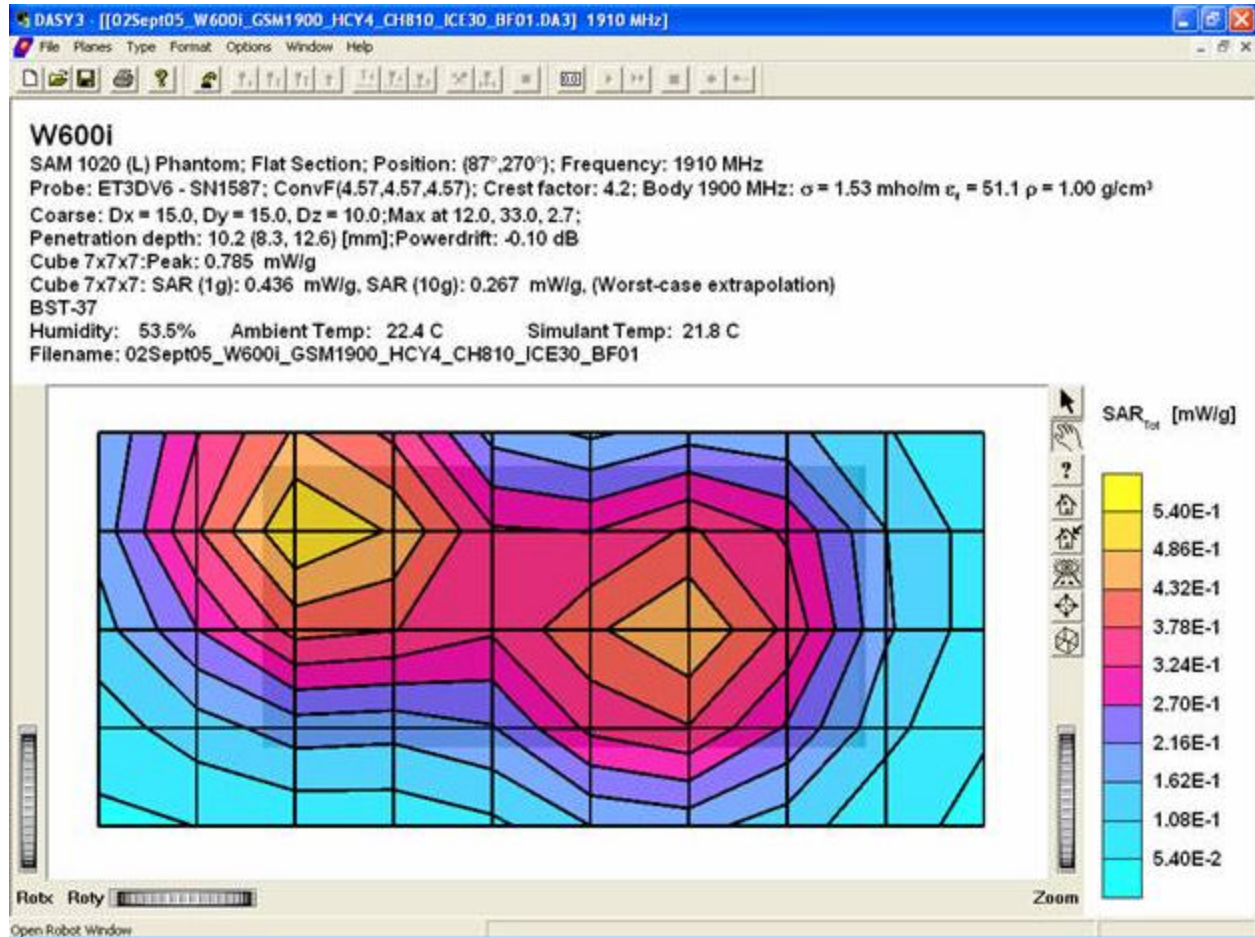
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