

Appendix B1:

SAR Distribution Plots (Head)

Date/Time: 4/14/2006 8:36:02 AM

Test Laboratory: Kyocera

K323 #2644 AMPS ch799 Right Cheek with 1000mAh Battery

Communication System: AMPS, Frequency: 848.97 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 848.97$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.77, 6.77, 6.77), Calibrated: 6/15/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 19

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS Ch799 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

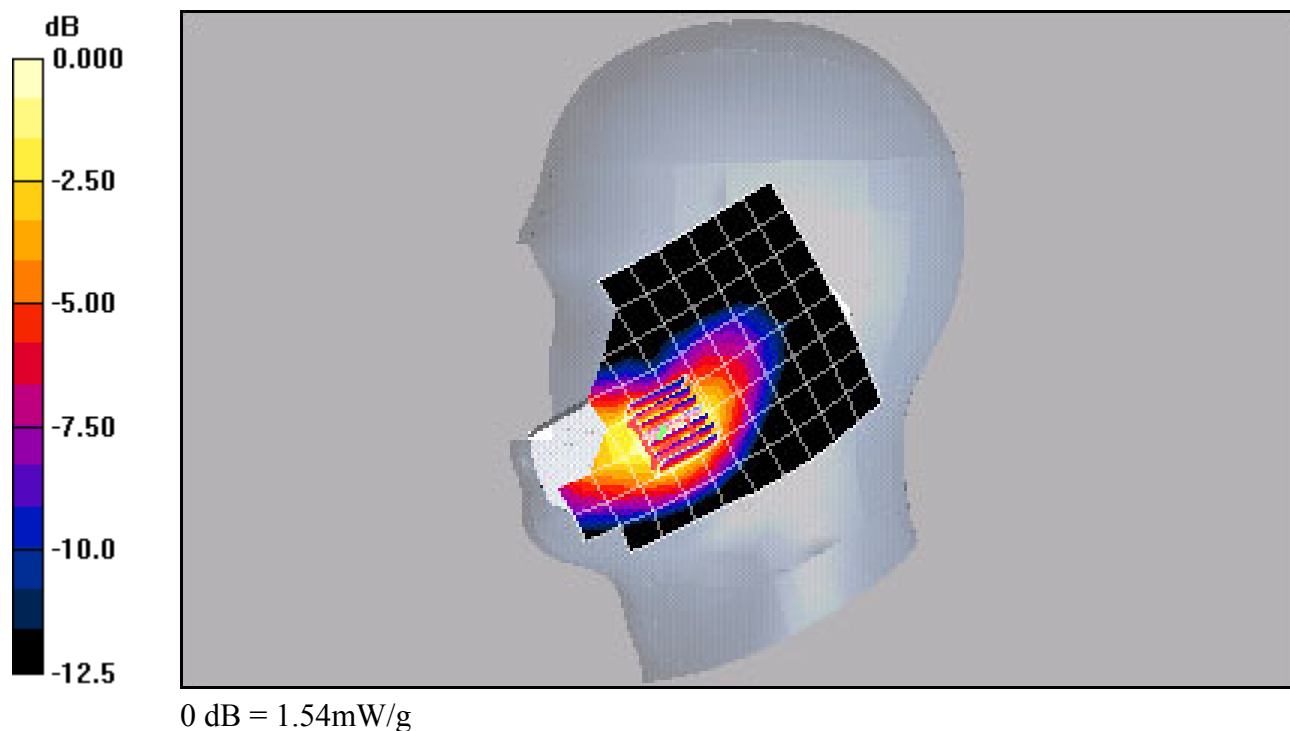
Reference Value = 10.1 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 2.18 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.951 mW/g

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

Maximum value of SAR (measured) = 1.54 mW/g



Date/Time: 4/25/2006 2:59:21 PM

Test Laboratory: Kyocera

K323 #2644 AMPS ch383 Right Tilt with 1000mAh Battery and BlueTooth

Communication System: CDMA-800/AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.77, 6.77, 6.77), Calibrated: 6/15/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 19

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS Ch383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

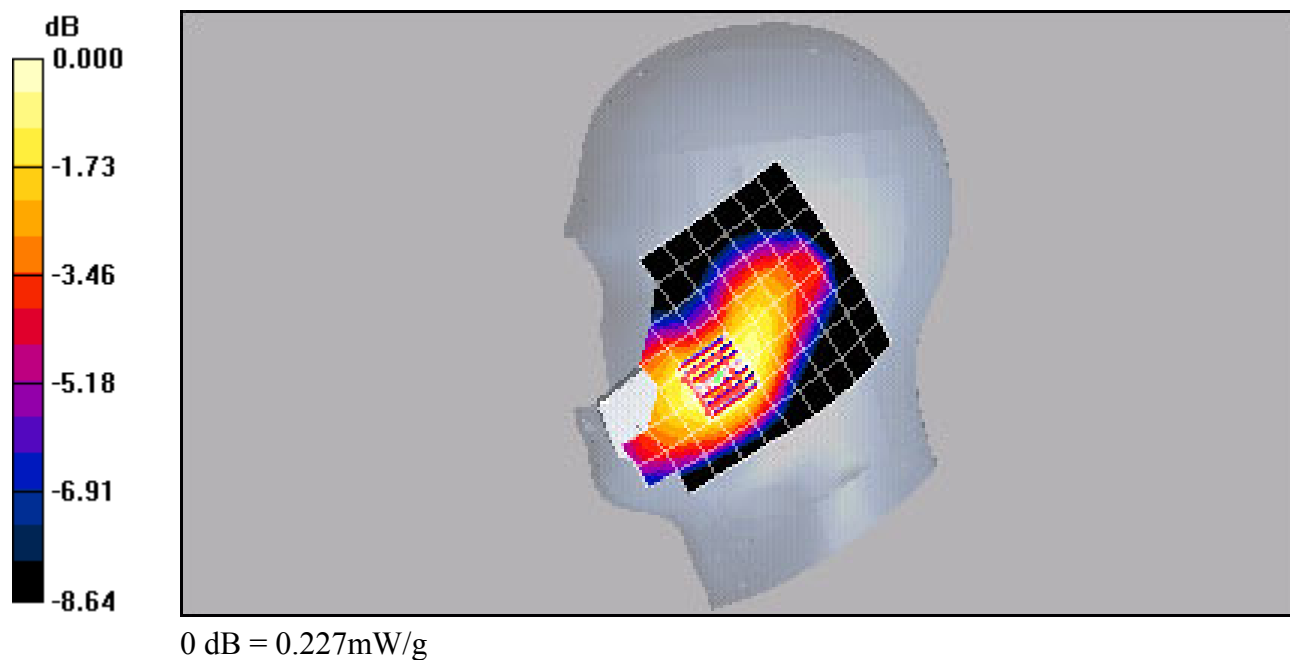
Reference Value = 10.8 V/m; Power Drift = 0.208 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.159 mW/g

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

Maximum value of SAR (measured) = 0.227 mW/g



Date/Time: 4/25/2006 1:50:37 PM

Test Laboratory: Kyocera

K323 #2644 AMPS ch799 Right Cheek with 1000mAh Battery and Bluetooth

Communication System: CDMA-800/AMPS, Frequency: 848.97 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 848.97$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.77, 6.77, 6.77), Calibrated: 6/15/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 19

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS Ch799 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

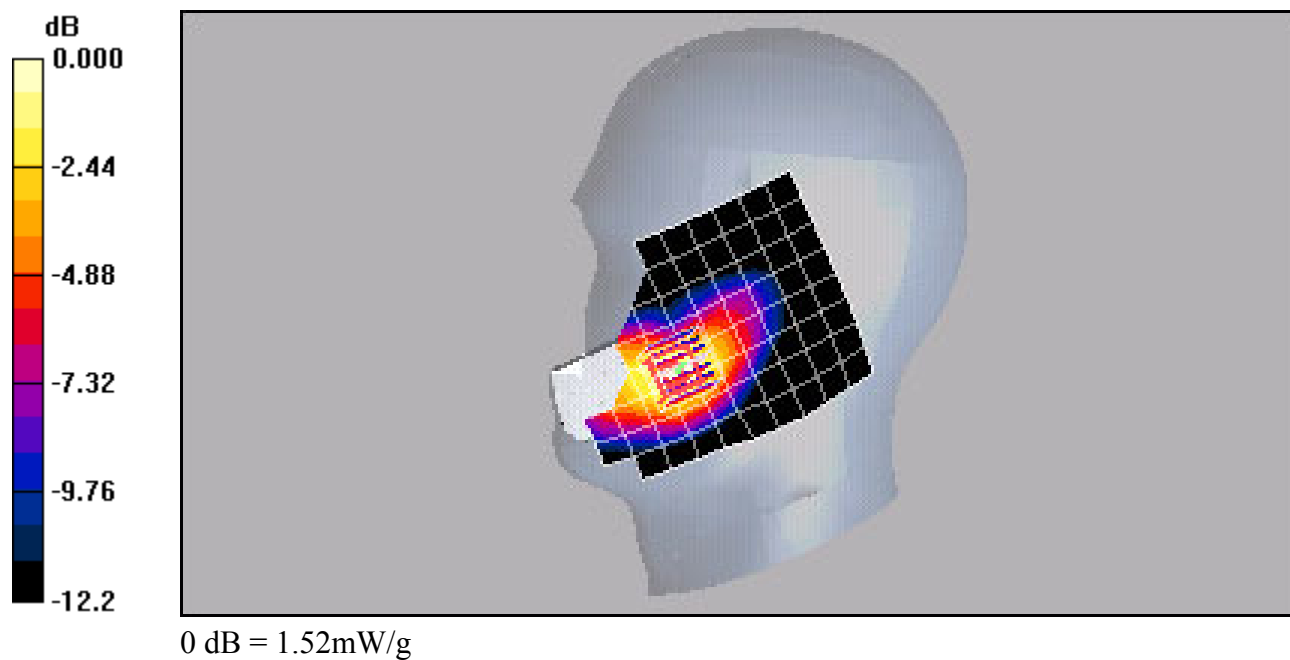
Reference Value = 10.5 V/m; Power Drift = 0.192 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.942 mW/g

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

Maximum value of SAR (measured) = 1.52 mW/g



Date/Time: 5/1/2006 10:02:10 AM

Test Laboratory: Kyocera

K323 #2644 AMPS ch799 Left Cheek with 900mAh Battery

Communication System: AMPS, Frequency: 848.97 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 848.97$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.99, 5.99, 5.99), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS-800 Ch799 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

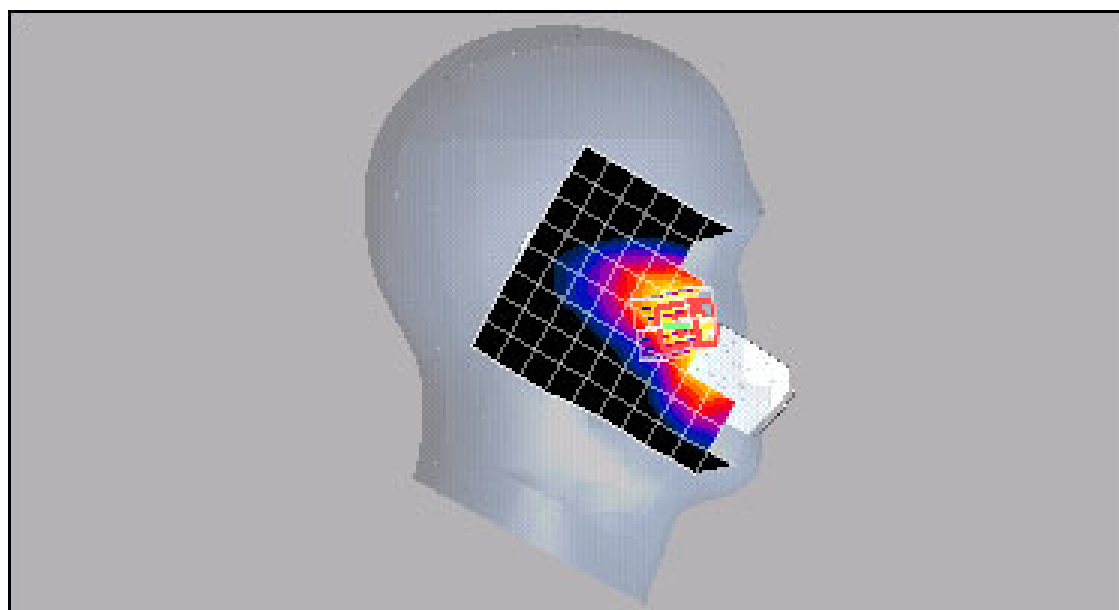
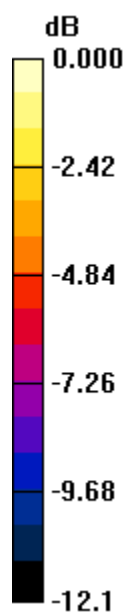
Reference Value = 10.0 V/m; Power Drift = 0.123 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.884 mW/g

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

Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

Date/Time: 5/1/2006 10:27:31 AM

Test Laboratory: Kyocera

FCC-K323 #2644 AMPS ch383 Left Tilt with 900mAh Battery

Communication System: AMPS, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.919$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.99, 5.99, 5.99), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

AMPS-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

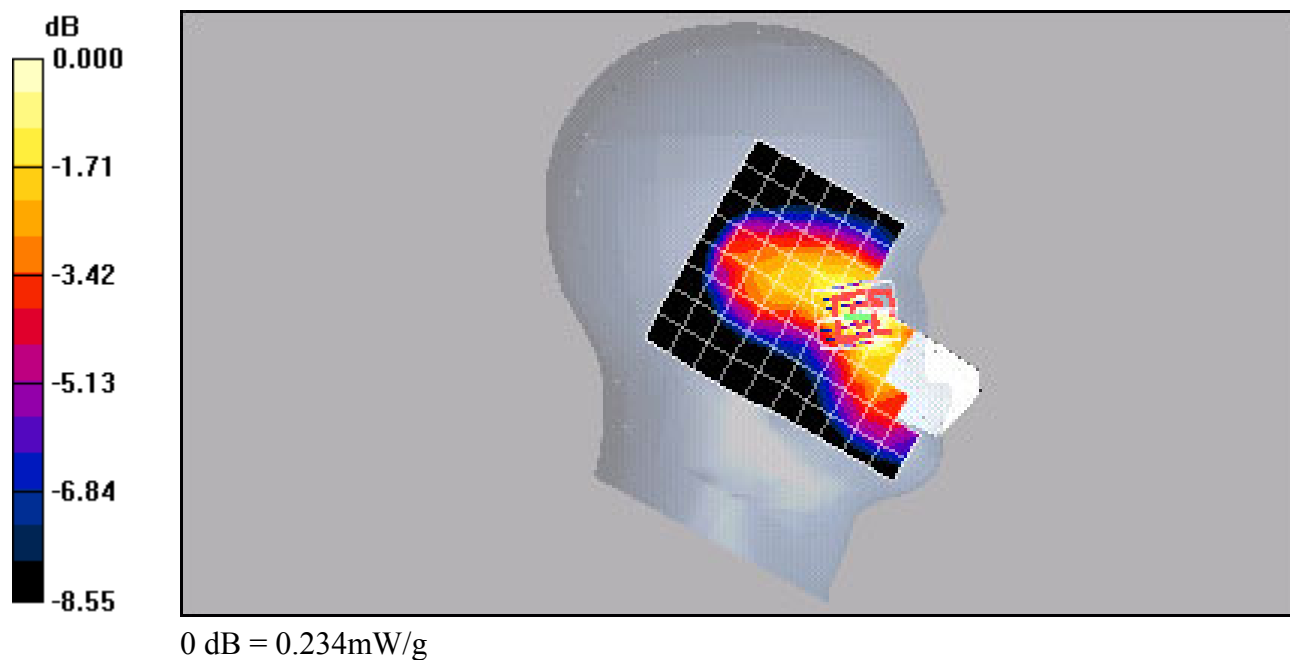
Reference Value = 10.2 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.162 mW/g

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

Maximum value of SAR (measured) = 0.234 mW/g



Date/Time: 4/14/2006 7:00:58 AM

Test Laboratory: Kyocera

K323 #2644 CDMA-800 ch777 Right Cheek with 900mAH

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.901$ mho/m; $\epsilon_r = 42$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.77, 6.77, 6.77), Calibrated: 6/15/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 19

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-800 Ch777 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

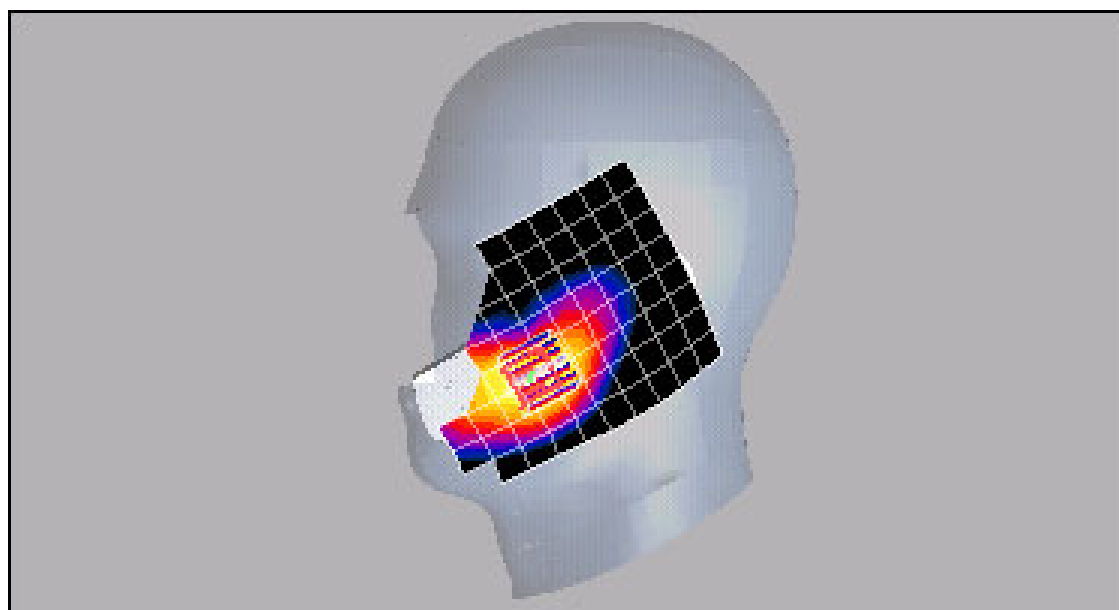
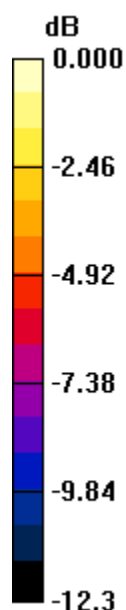
Reference Value = 10.2 V/m; Power Drift = 0.217 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.936 mW/g

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

Maximum value of SAR (measured) = 1.54 mW/g



0 dB = 1.54mW/g

Date/Time: 4/25/2006 12:01:36 PM

Test Laboratory: Kyocera

K323 #2644 CDMA-800 ch383 Right Tilt with Extended Battery and Bluetooth

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.9$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ET3DV6 - SN1664, ConvF(6.77, 6.77, 6.77), Calibrated: 6/15/2005

Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),

Electronics: DAE4 Sn602, Calibrated: 8/30/2005

Measurement SW: DASY4, V4.6 Build 19

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.391 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.180 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.255 mW/g

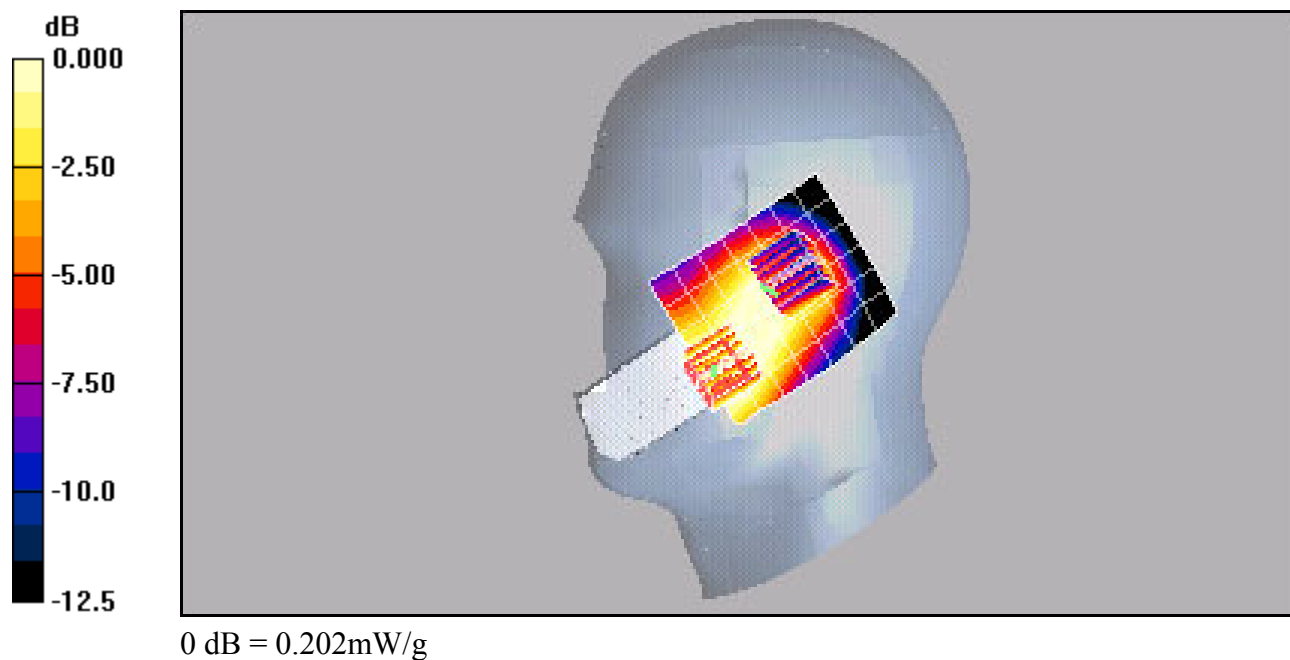
CDMA-800 Ch383 RT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.391 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.112 mW/g[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.202 mW/g



Date/Time: 4/29/2006 4:29:08 AM

Test Laboratory: Kyocera

K323 #2644 CDMA-800 ch777 Left Cheek with 900mAh Battery

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 848.31$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.99, 5.99, 5.99), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-800 Ch777 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

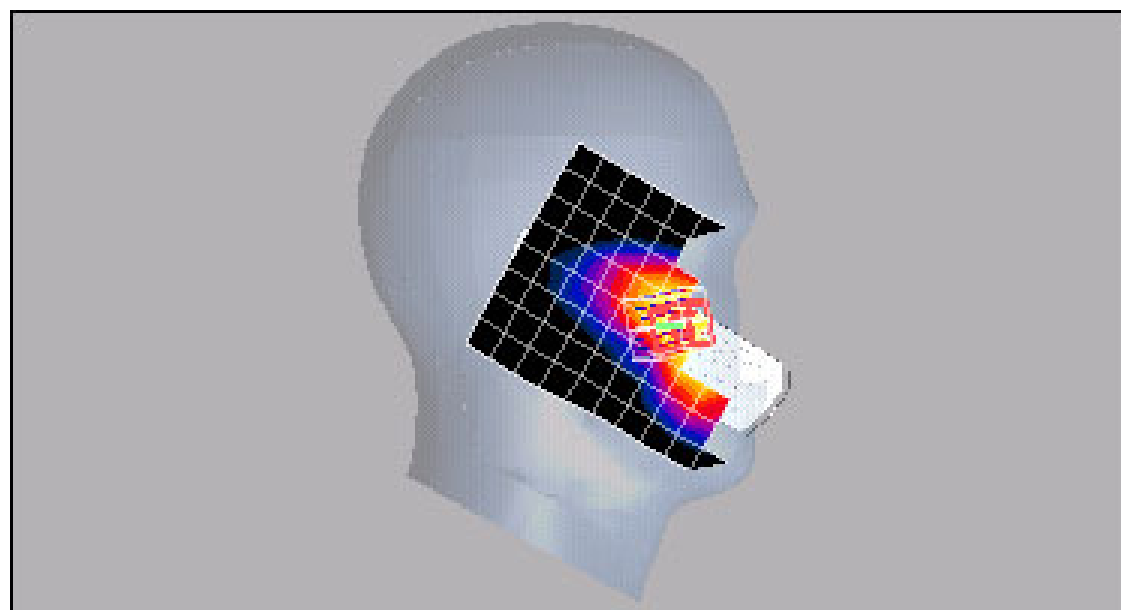
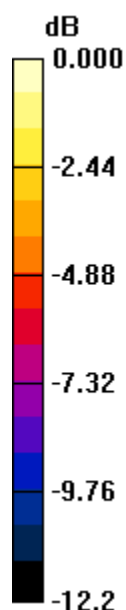
Reference Value = 9.83 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.898 mW/g

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

Maximum value of SAR (measured) = 1.45 mW/g



0 dB = 1.45mW/g

Date/Time: 4/29/2006 6:09:33 AM

Test Laboratory: Kyocera

K323 #2644 CDMA-800 ch383 Left Tilt with Extended Battery

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: HSL900, Medium parameters used (interpolated): $f = 836.49$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(5.99, 5.99, 5.99), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.9 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.157 mW/g

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

Maximum value of SAR (measured) = 0.225 mW/g

CDMA-800 Ch383 LT/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

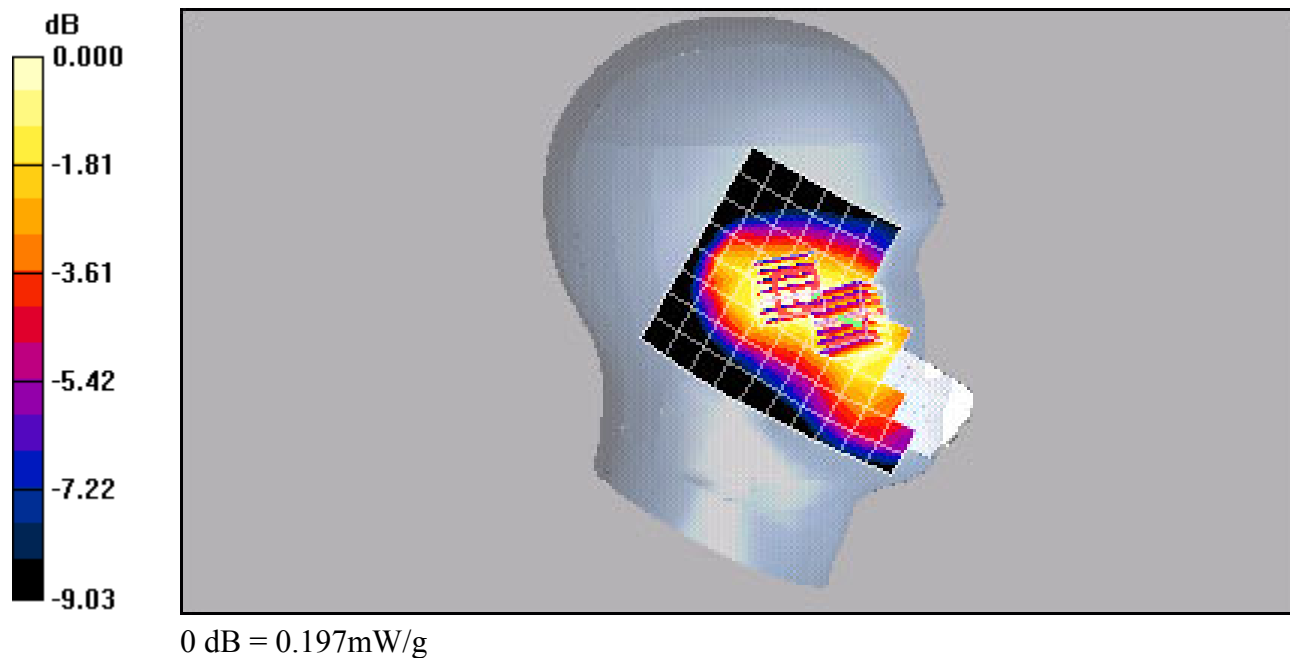
Reference Value = 10.9 V/m; Power Drift = 0.150 dB

Peak SAR (extrapolated) = 0.244 W/kg

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.137 mW/g

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

Maximum value of SAR (measured) = 0.197 mW/g



Date/Time: 4/28/2006 4:42:37 PM

Test Laboratory: Kyocera

K323 #2644 CDMA-1900 ch600 Left Cheek with 1000mAh Battery and Bluetooth

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.64, 4.64, 4.64), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

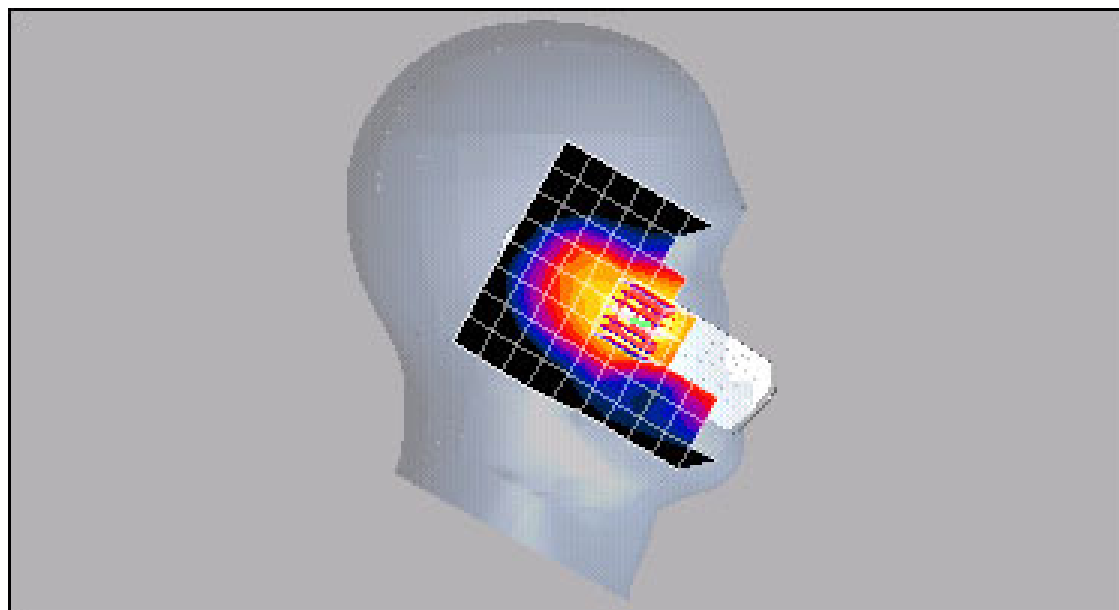
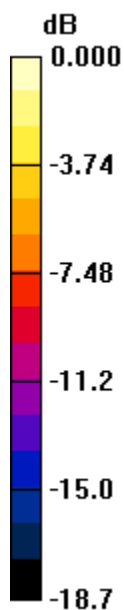
CDMA-1900 Ch600 LC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.33 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.680 mW/g

Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32mW/g

Date/Time: 4/28/2006 6:42:15 PM

Test Laboratory: Kyocera

K323 #2644 CDMA-1900 ch600 Left Tilt with 900mAh Battery and Bluetooth

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.64, 4.64, 4.64), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

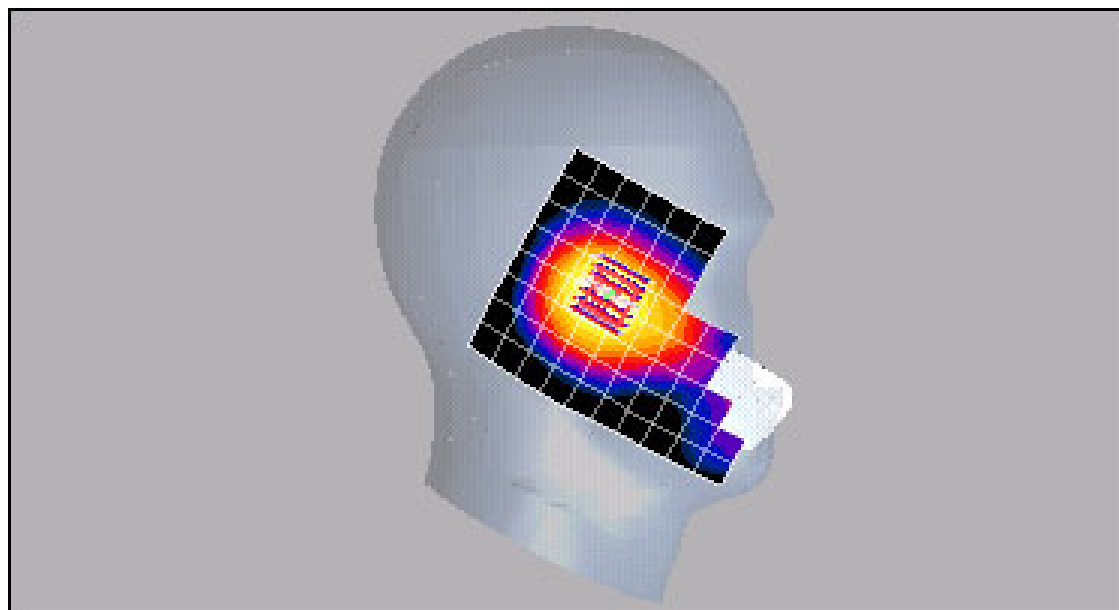
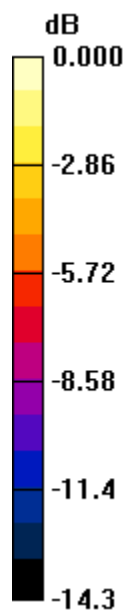
CDMA-1900 Ch600 LT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.55 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.431 mW/g



0 dB = 0.431mW/g

Date/Time: 4/28/2006 7:25:35 PM

Test Laboratory: Kyocera

K323 #2644 CDMA-1900 ch600 Right Cheek with 1000mAh Battery and Bluetooth

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.64, 4.64, 4.64), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

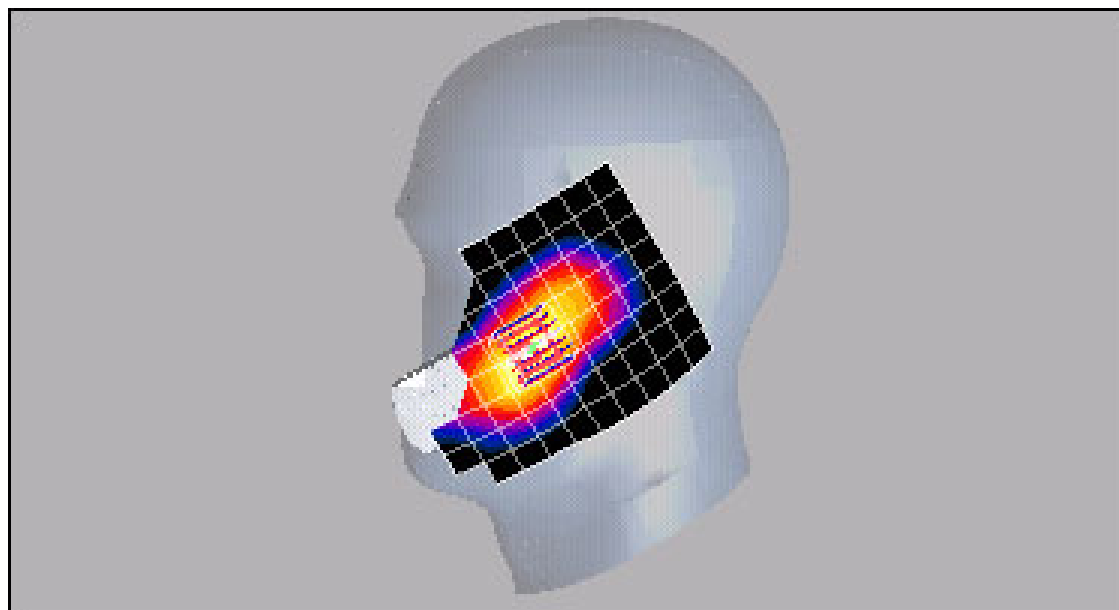
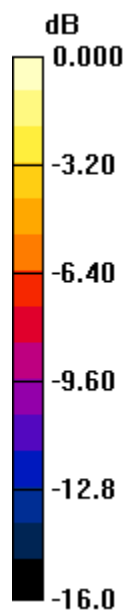
PCS Ch600 RC/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.23 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.627 mW/g

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



0 dB = 1.20mW/g

Date/Time: 4/28/2006 7:52:42 PM

Test Laboratory: Kyocera

K323 #2644 CDMA-1900 ch600 Right Tilt with 1000mAh Battery and Bluetooth

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: HSL1800, Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³

Phantom: SAM 12, Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV2 - SN3036, ConvF(4.64, 4.64, 4.64), Calibrated: 10/25/2005

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

Electronics: DAE3 Sn493, Calibrated: 11/14/2005

Measurement SW: DASY4, V4.6 Build 23

Postprocessing SW: SEMCAD, V1.8 Build 160

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

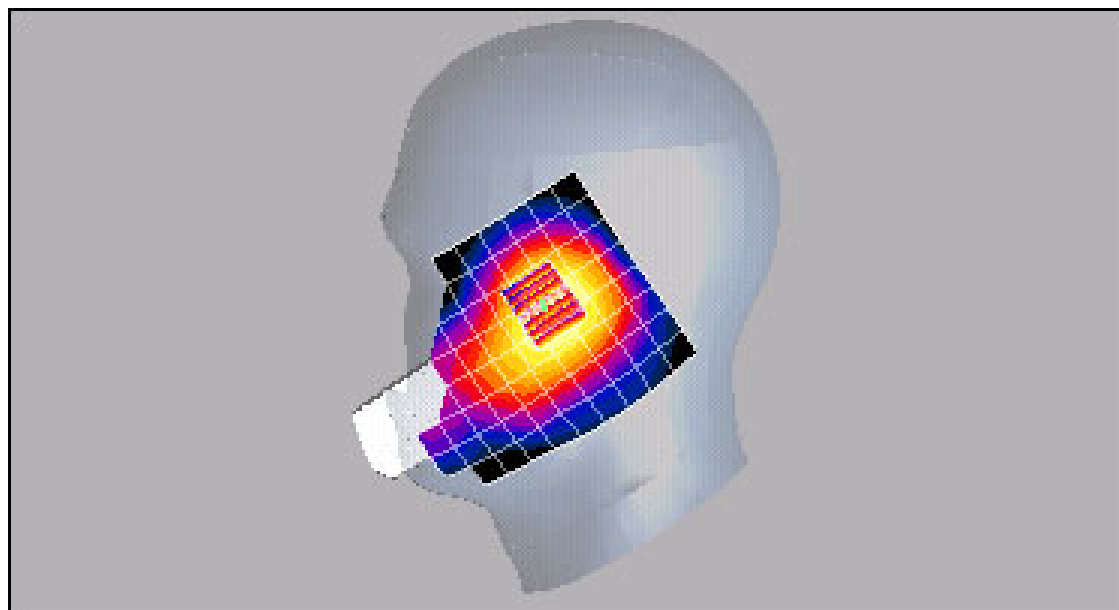
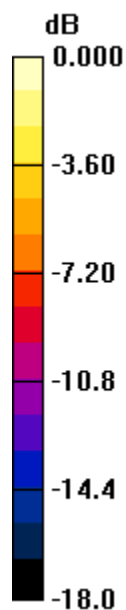
PCS Ch600 RT/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.34 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.572 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 0.434 mW/g



0 dB = 0.434mW/g