



Applicant:	Kyocera
FCC ID:	V65SCP-3810
Report #:	CT-V65-9B2-0609-R0

**EXHIBIT 9 APPENDIX B2: SAR DISTRIBUTION PLOTS (BODY)**

**CELL**

Applicant:	Kyocera
FCC ID:	V65SCP-3810
Report #:	CT-V65-9B2-0609-R0

Date: 5/29/2009

Test Laboratory: Comptest/Kyocera  
FCC 3810 Muscle CELL OPEN AIR-22mm Face-DOWN, 05-29-09

Communication System: CDMA-800, Frequency: 837 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 837$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(6.41, 6.41, 6.41), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-800 383 Face DOWN-22mm/Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.413 mW/g

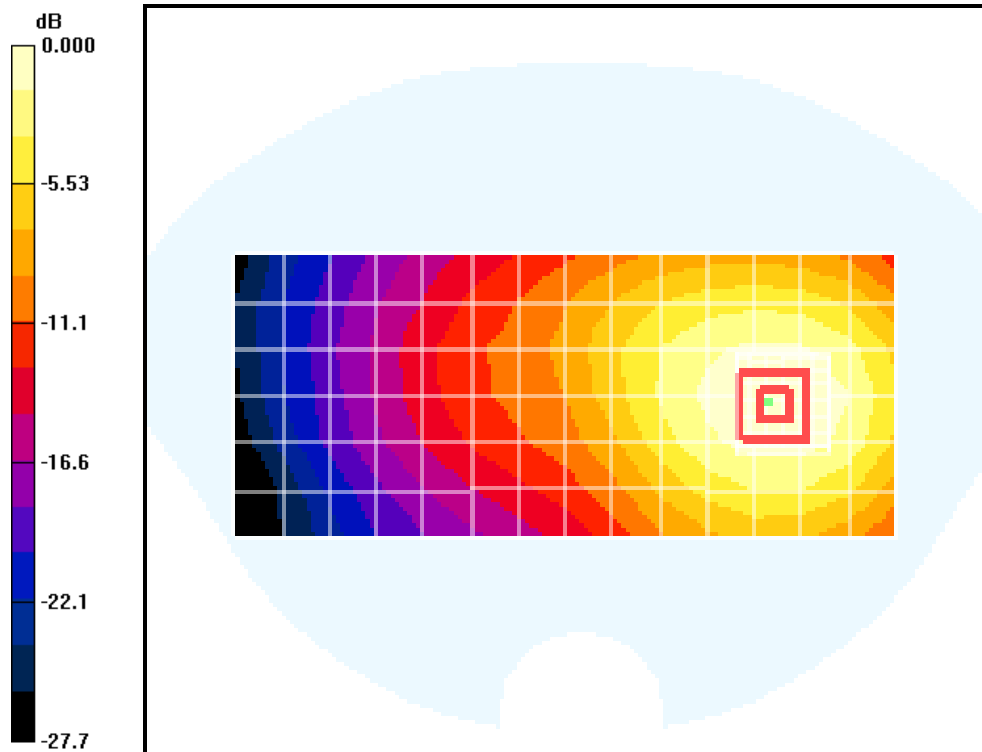
**CDMA-800 383 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.03 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 0.520 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.297 mW/g**

Maximum value of SAR (measured) = 0.439 mW/g



0 dB = 0.439mW/g

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Date: 5/29/2009

**Test Laboratory: Comptest/Kyocera**  
**FCC 3810 Muscle CELL CLOSED AIR-22mm Face-DOWN, 05-29-09**

Communication System: CDMA-800, Frequency: 837 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 837$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(6.41, 6.41, 6.41), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-800 383 Face DOWN-22mm/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.476 mW/g

**CDMA-800 383 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

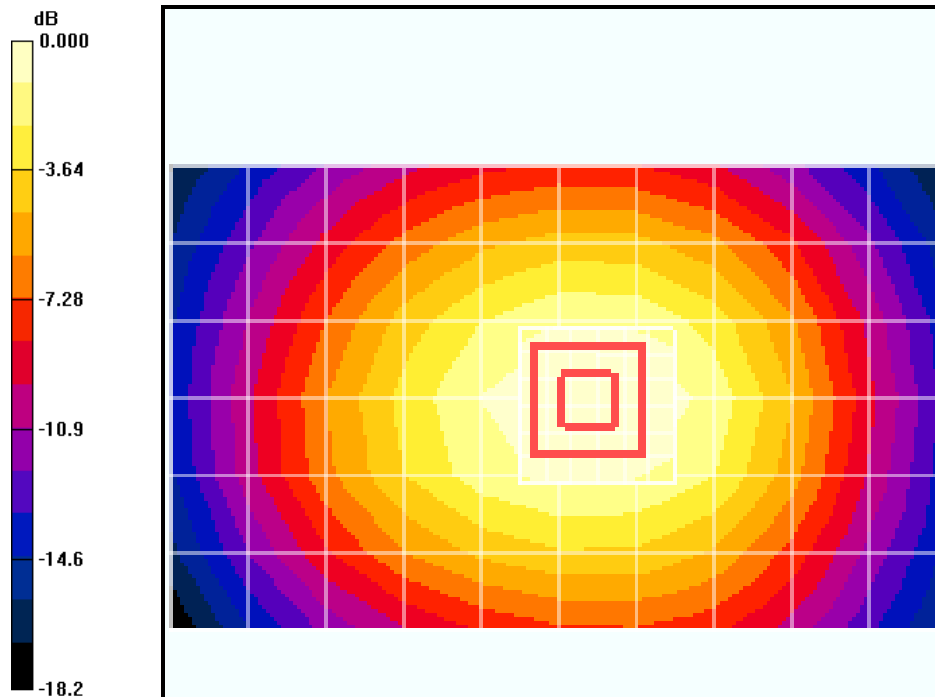
Reference Value = 23.2 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.564 W/kg

**SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.338 mW/g**

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

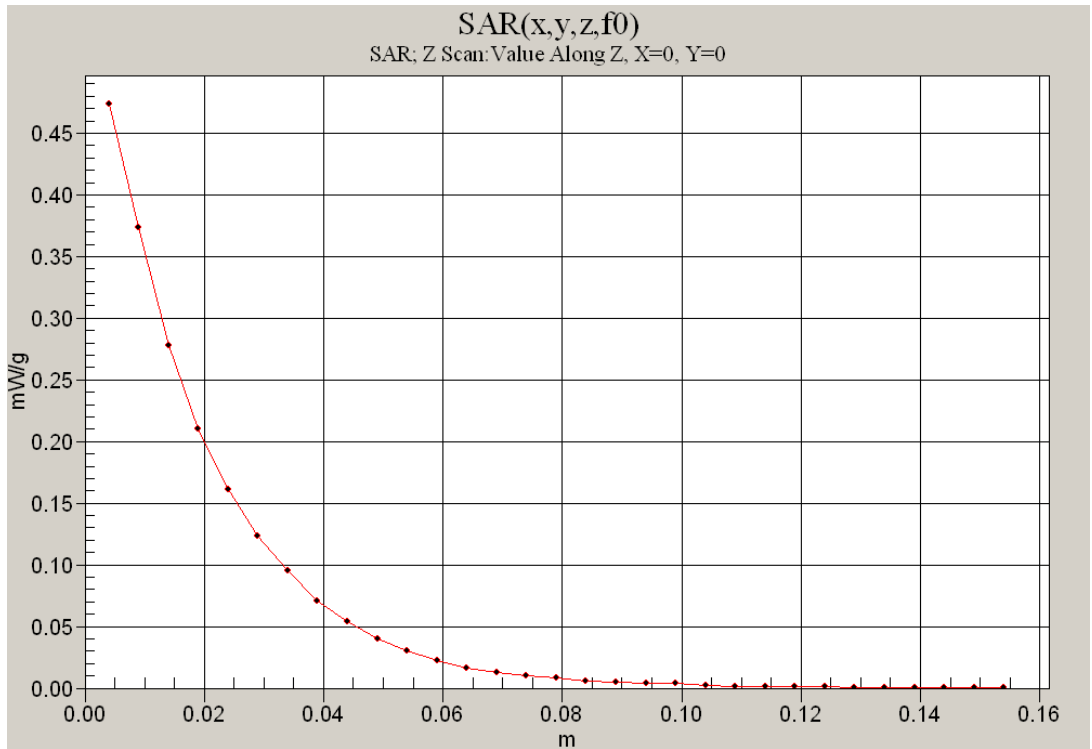
Maximum value of SAR (measured) = 0.496 mW/g



0 dB = 0.496mW/g



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Test Laboratory: Comptest/Kyocera  
FCC 3810 Muscle CELL Closed AIR-22mm face-UP, 05-29-09

Communication System: CDMA-800, Frequency: 837 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 837$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(6.41, 6.41, 6.41), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-800 383 Face UP-22mm/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Maximum value of SAR (measured) = 0.241 mW/g

**CDMA-800 383 Face UP-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

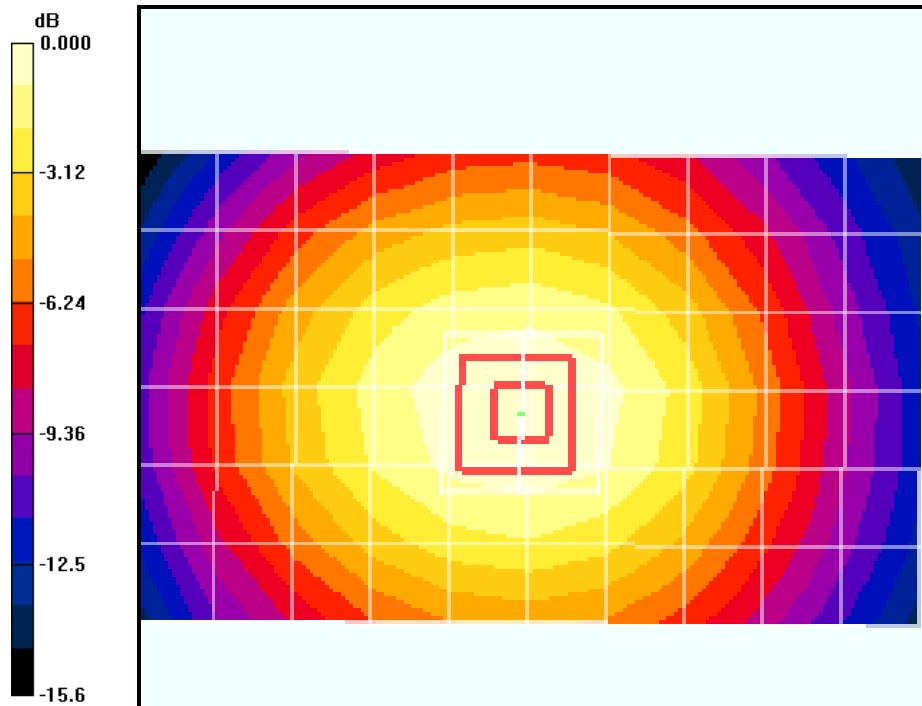
Reference Value = 16.8 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.177 mW/g**

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

Maximum value of SAR (measured) = 0.248 mW/g



0 dB = 0.248mW/g



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PCS

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Report #:	CT-V65-9B2-0609-R0

Date: 5/29/2009

Test Laboratory: Comptest/Kyocera

FCC 3810 Muscle PCS OPEN AIR-22mm Face-DOWN, 05-29-09

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

Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.57, 4.57, 4.57), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-1900 600 Face DOWN-22mm/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.384 mW/g

**CDMA-1900 600 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 0.652 W/kg

**SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.238 mW/g**

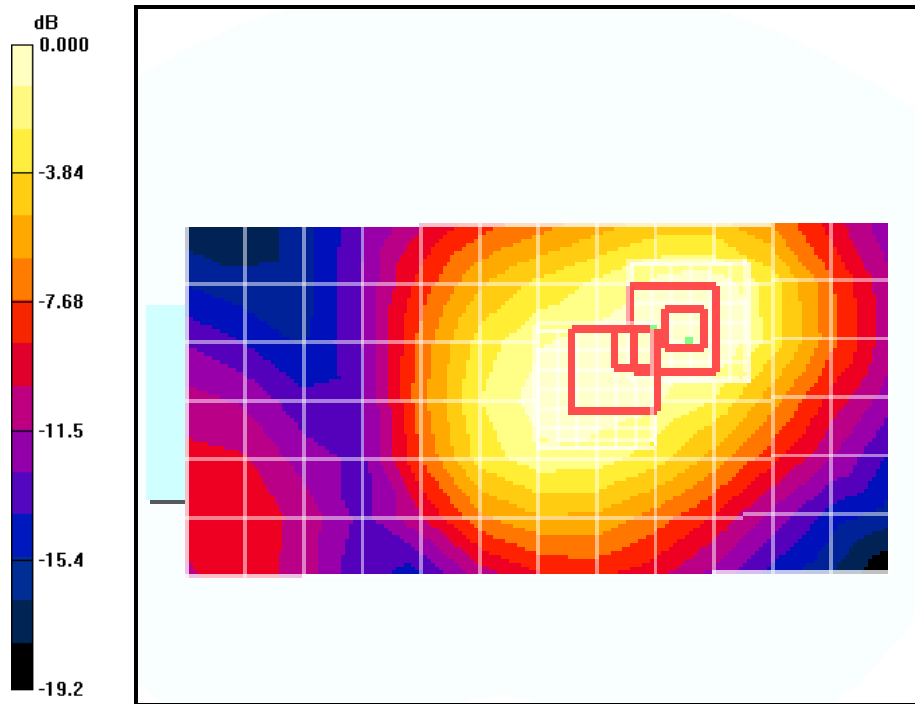
Maximum value of SAR (measured) = 0.412 mW/g

**CDMA-1900 600 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 0.568 W/kg

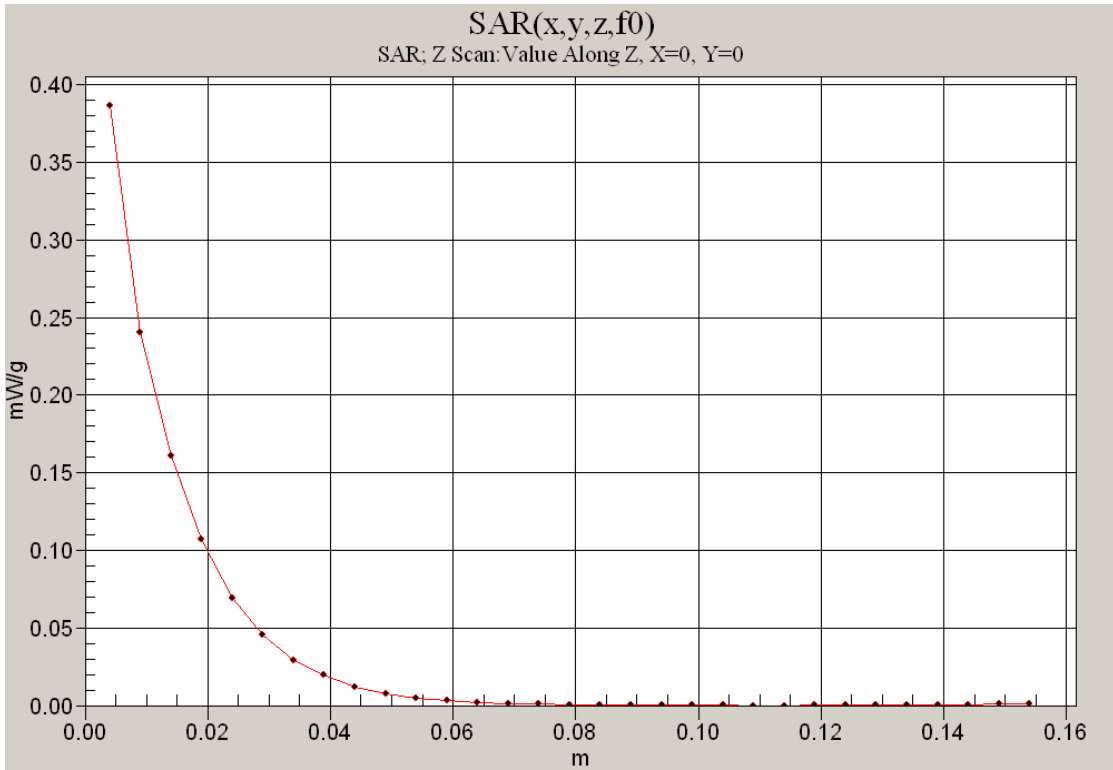
**SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.220 mW/g**



0 dB = 0.379mW/g



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Date: 5/29/2009

Test Laboratory: Comptest/Kyocera

FCC 3810 Muscle PCS Closed AIR-22mm Face-DOWN, 05-29-09

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

Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.57, 4.57, 4.57), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-1900 600 Face DOWN-22mm/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.383 mW/g

**CDMA-1900 600 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.605 W/kg

**SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.221 mW/g**

Maximum value of SAR (measured) = 0.387 mW/g

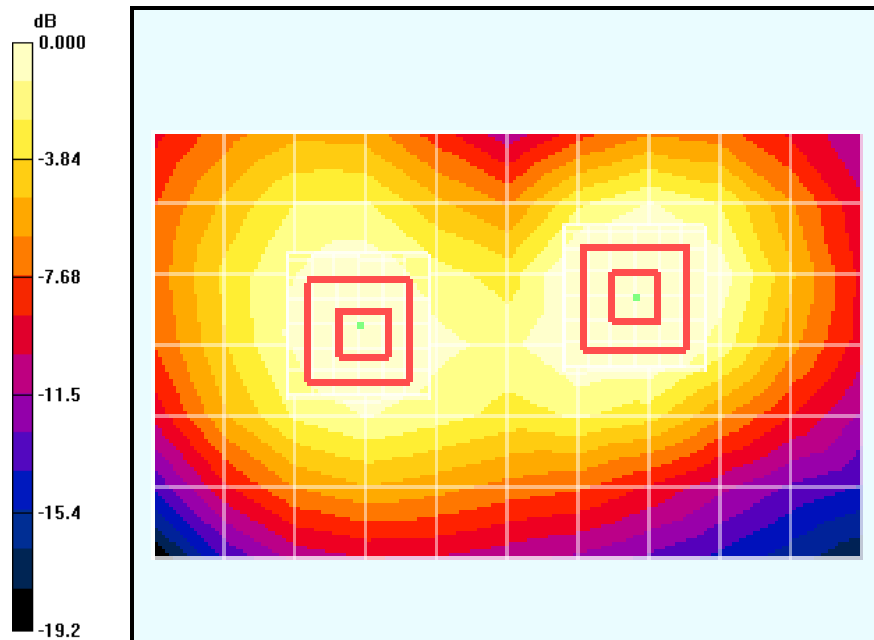
**CDMA-1900 600 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.156 mW/g**

Maximum value of SAR (measured) = 0.254 mW/g



0 dB = 0.254mW/g

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Date: 5/29/2009

Test Laboratory: Comptest/Kyocera  
FCC 3810 Muscle PCS Closed AIR-22mm Face-UP, 05-29-09

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

Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.57, 4.57, 4.57), Calibrated: 8/25/2008

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

Electronics: DAE3 Sn493, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**CDMA-1900 600 Face UP-22mm/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.233 mW/g

**CDMA-1900 600 Face UP-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = -0.098 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.151 mW/g**

Maximum value of SAR (measured) = 0.242 mW/g

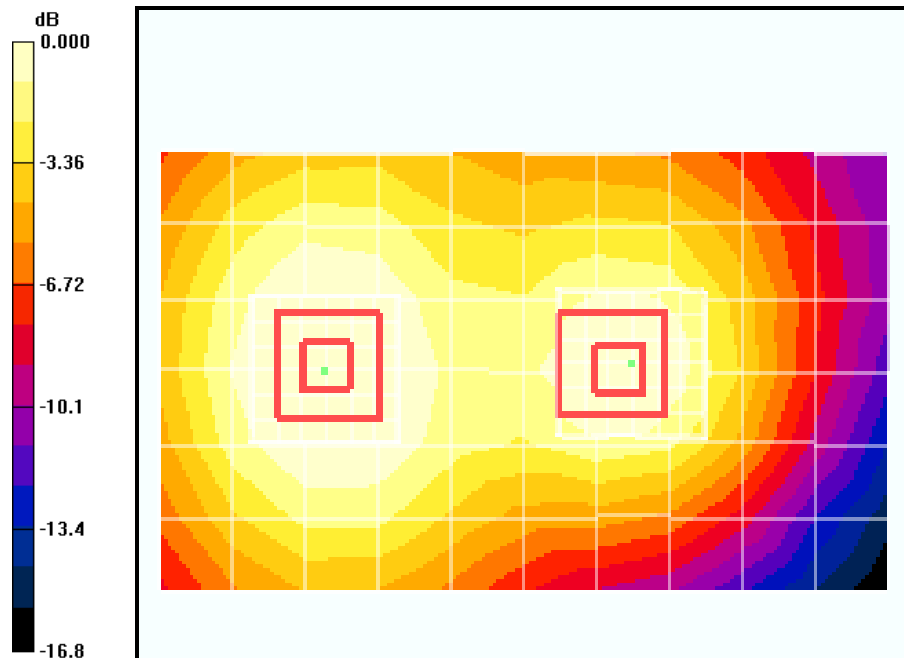
**CDMA-1900 600 Face UP-22mm/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = -0.098 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.201 mW/g



0 dB = 0.201mW/g

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**BLUETOOTH**

Applicant:	Kyocera
FCC ID:	V65SCP-3810
Report #:	CT-V65-9B2-0609-R0

Date: 6/2/2009

Test Laboratory: Comptest/Kyocera  
FCC 3810 Muscle BT OPEN AIR-22mm Face-DOWN, 06-02-09

Communication System: Bluetooth, Frequency: 2402 MHz, Duty Cycle: 1:1

Medium: M2450, Medium parameters used:  $f = 2402$  MHz;  $\sigma = 2.03$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.2, 4.2, 4.2), Calibrated: 6/23/2008

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

Electronics: DAE4 Sn603, Calibrated: 9/17/2008

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

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

**BT-2450 ch0 Face DOWN-22mm/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

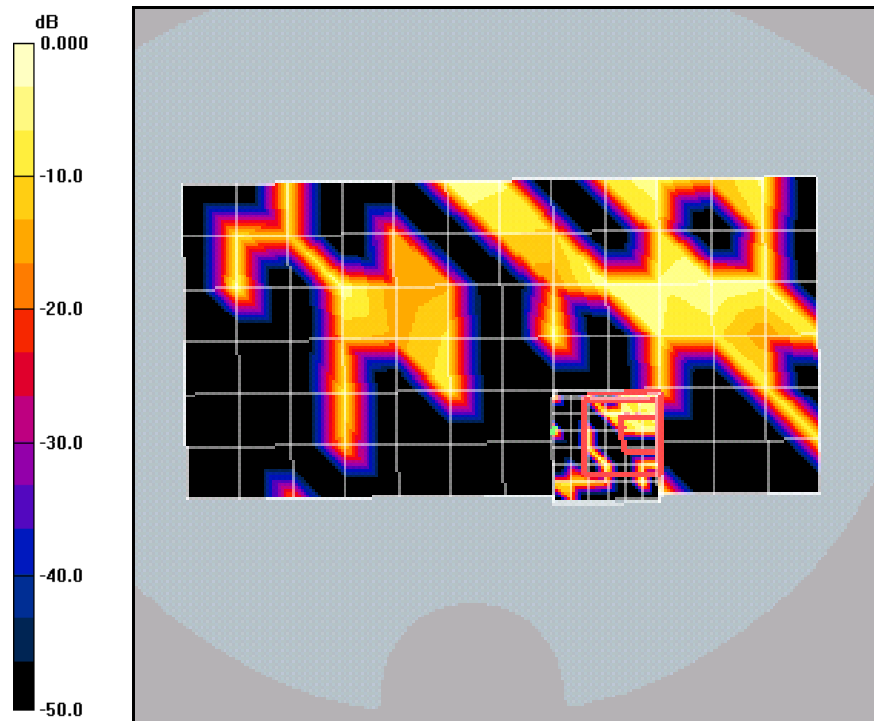
Maximum value of SAR (measured) = 0.001 mW/g

**BT-2450 ch0 Face DOWN-22mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.226 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.001 W/kg

**SAR(1 g) = 2.69e-006 mW/g; SAR(10 g) = 3.87e-007 mW/g**



0 dB = 0.001mW/g