

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

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

**CELL**

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/16/2010

**FCC K55-02\_S2100\_Phone Closed Faced Down\_CELL Ch383 Flat with 15mm Air Space**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.790 mW/g

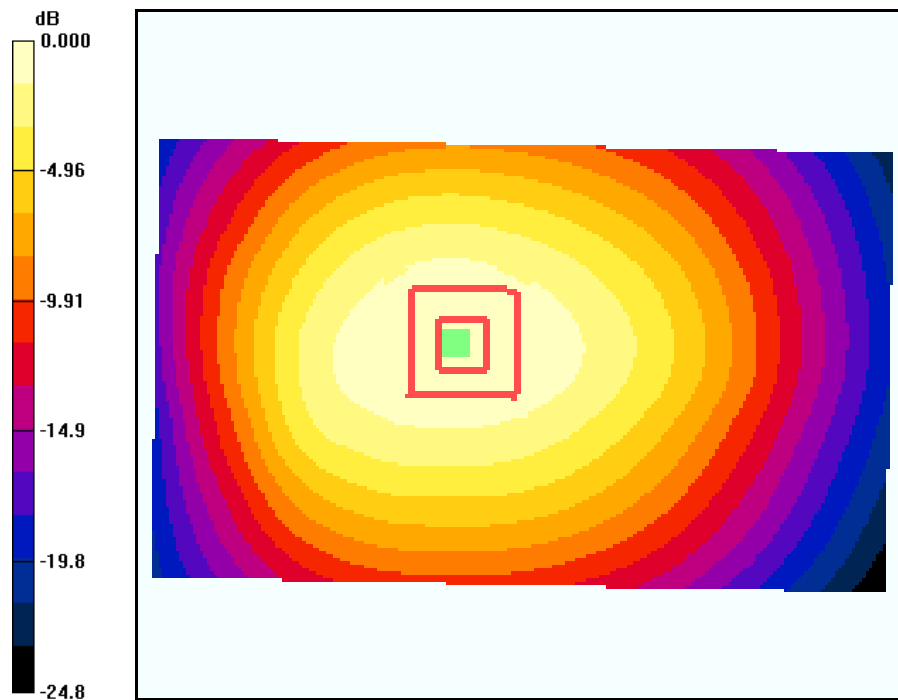
**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.5 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.983 W/kg

**SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.508 mW/g**

Maximum value of SAR (measured) = 0.768 mW/g



0 dB = 0.768mW/g

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Test Laboratory: Comptest/Kyocera

Date: 12/16/2010

**FCC K55-02\_Phone Closed Faced Up\_CELL Ch383 Flat with 15mm Air Space**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 FLAT Face-Up Ch383 SO32 +SCH/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.484 mW/g

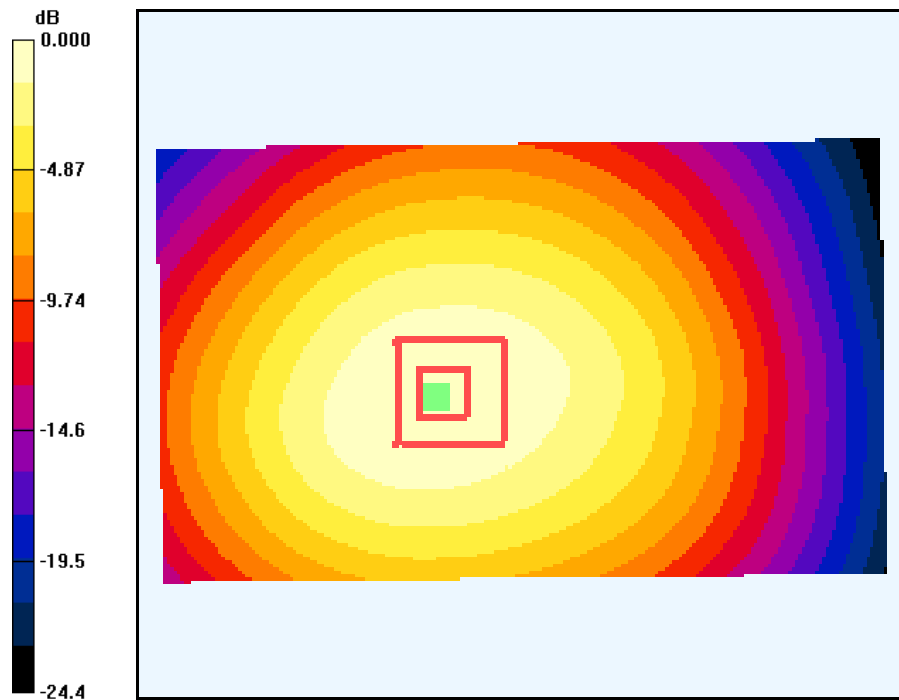
**CDMA-800 FLAT Face-Up Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.1 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.596 W/kg

**SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.331 mW/g**

Maximum value of SAR (measured) = 0.481 mW/g



0 dB = 0.481mW/g

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Test Laboratory: Comptest/Kyocera

Date: 12/16/2010

**FCC K55-02\_Phone Open Faced Down\_CELL Ch383 Flat with 15mm Air Space**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.709 mW/g

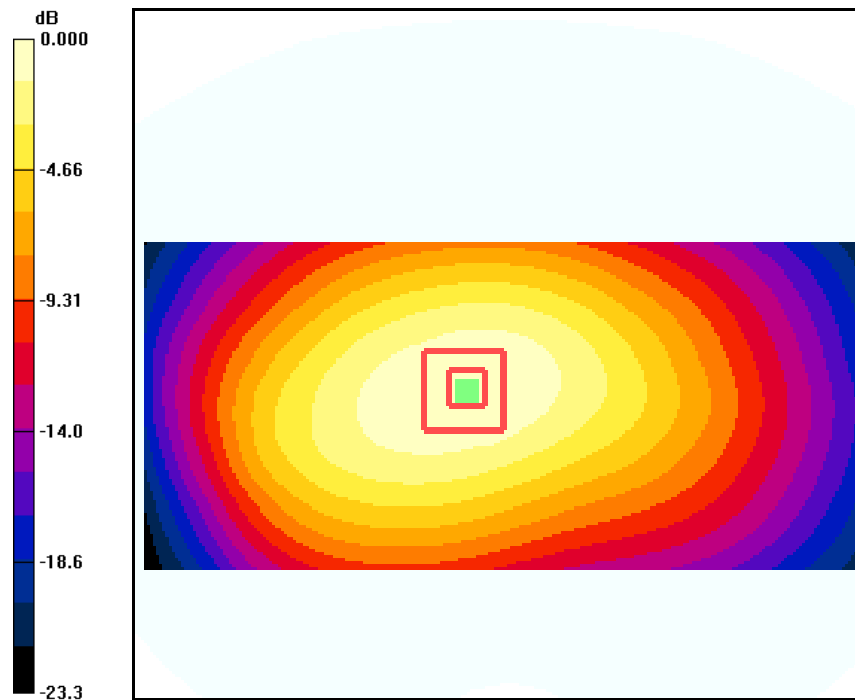
**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.0 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.895 W/kg

**SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.487 mW/g**

Maximum value of SAR (measured) = 0.720 mW/g



0 dB = 0.720mW/g

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Test Laboratory: Comptest/Kyocera

Date: 12/15/2010

**FCC K55-03 Closed CELL Flat with 15mm Air Space, Ch. 383**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.726 mW/g

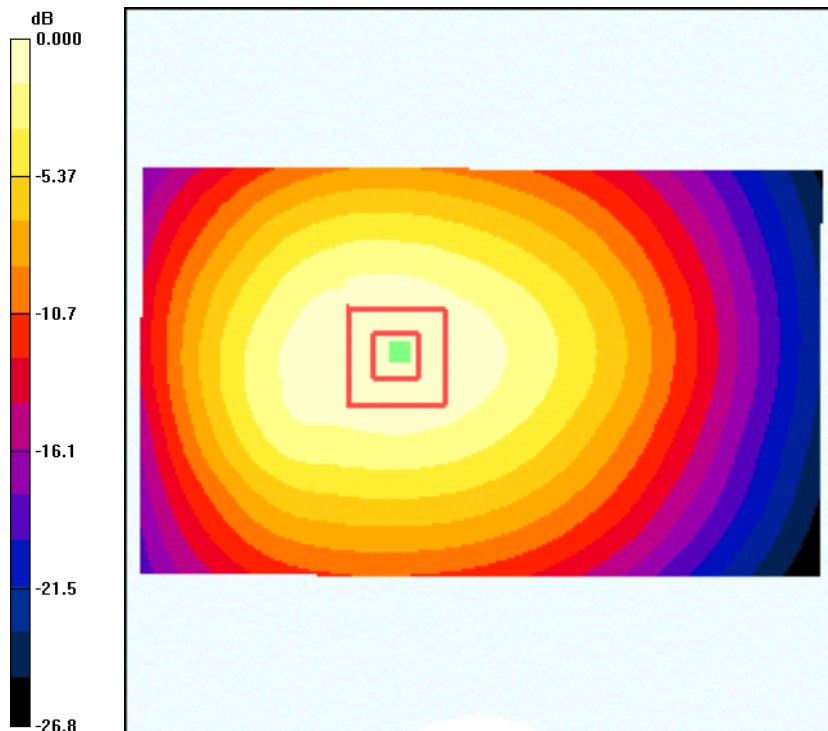
**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.1 V/m; Power Drift = -0.182 dB

Peak SAR (extrapolated) = 0.942 W/kg

**SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.481 mW/g**

Maximum value of SAR (measured) = 0.731 mW/g



0 dB = 0.731mW/g

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Test Laboratory: Comptest/Kyocera

Date: 12/15/2010

**FCC K55-03 Closed CELL Flat with 15mm Air Space, Ch. 383**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-800 FLAT Face-Up Ch383 SO32 +SCH/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.459 mW/g

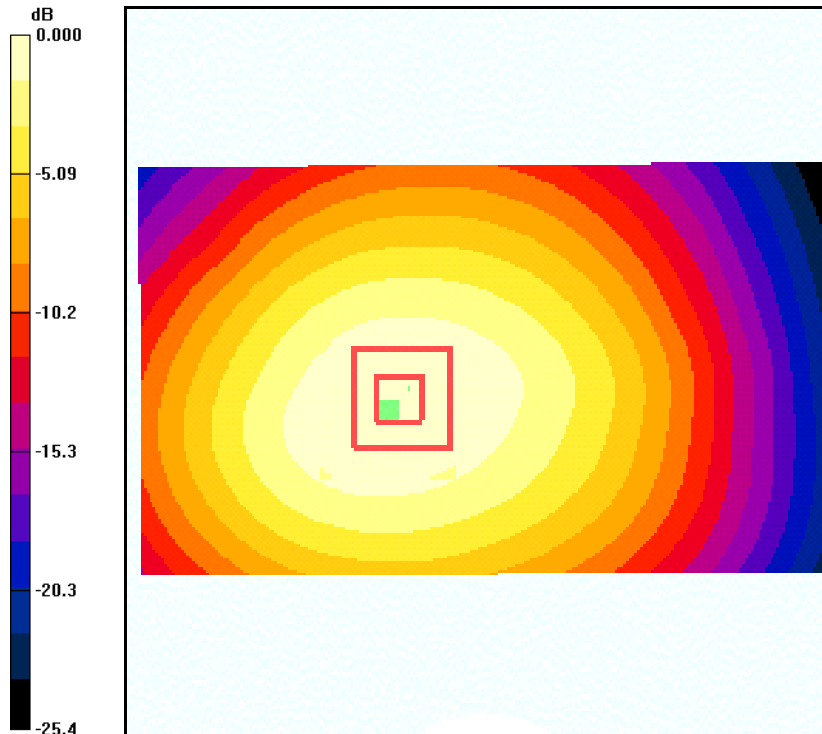
**CDMA-800 FLAT Face-Up Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.307 mW/g**

Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.450mW/g

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Test Laboratory: Comptest/Kyocera

Date: 12/15/2010

**FCC K55-03 Open CELL Flat with 15mm Air Space, Ch. 383 Face Down**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.49$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.661 mW/g

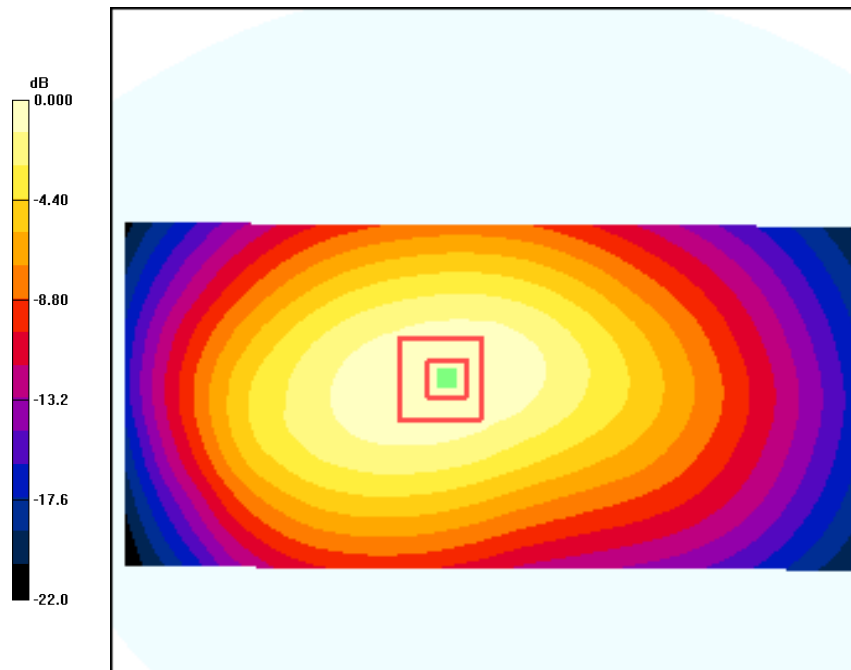
**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.5 V/m; Power Drift = 0.123

Peak SAR (extrapolated) = 0.826 W/kg

**SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.451 mW/g**

Maximum value of SAR (measured) = 0.666 mW/g



0 dB = 0.666mW/g



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**AWS**



Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-02 Closed AWS Flat with 15mm Air Space, Ch. 25 Face-Down**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-1700 FLAT Face-Down Ch25/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.817 mW/g

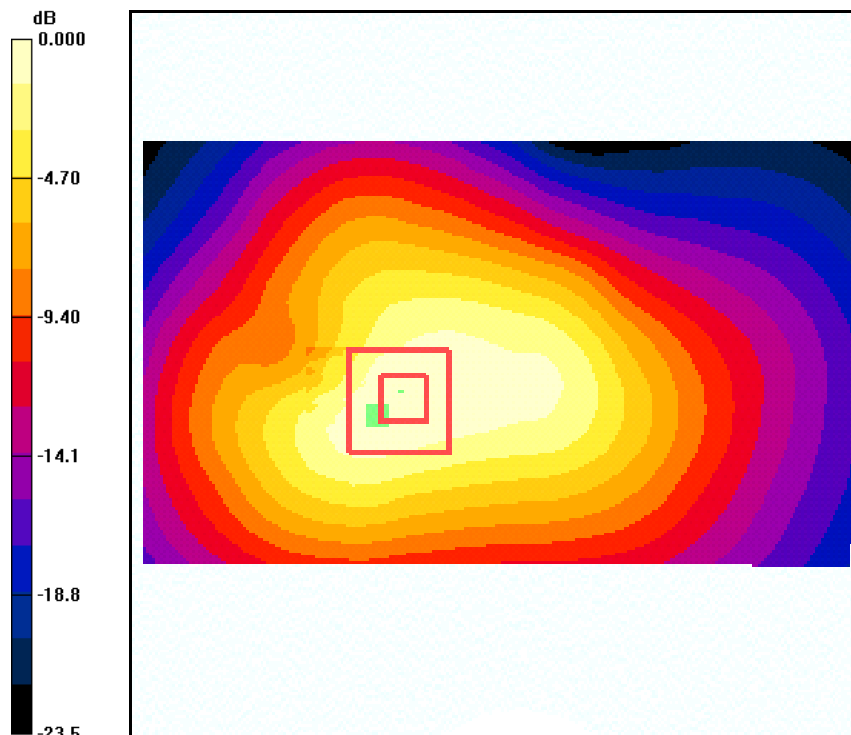
**CDMA-1700 FLAT Face-Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.4 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.464 mW/g**

Maximum value of SAR (measured) = 0.846 mW/g



0 dB = 0.846mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-02 Closed AWS Flat with 15mm Air Space, Ch. 25 Face-Up**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-1700 FLAT Face-Up Ch25/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.289 mW/g

**CDMA-1700 FLAT Face-Up Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.405 W/kg

**SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.173 mW/g**

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

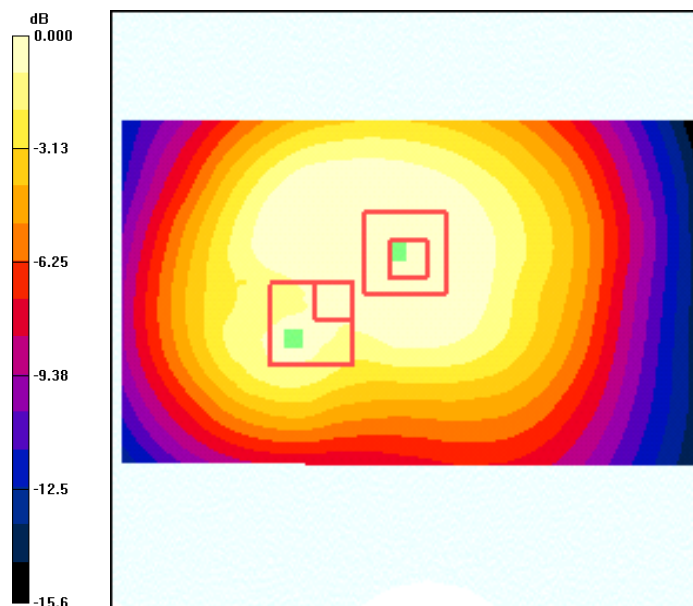
**CDMA-1700 FLAT Face-Up Ch25/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.306 W/kg

**SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.105 mW/g**

Maximum value of SAR (measured) = 0.208 mW/g



0 dB = 0.208mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-02 Open AWS Flat with 15mm Air Space, Ch. 25 Face-Down**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-1700 FLAT Face-Down Ch25/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.485 mW/g

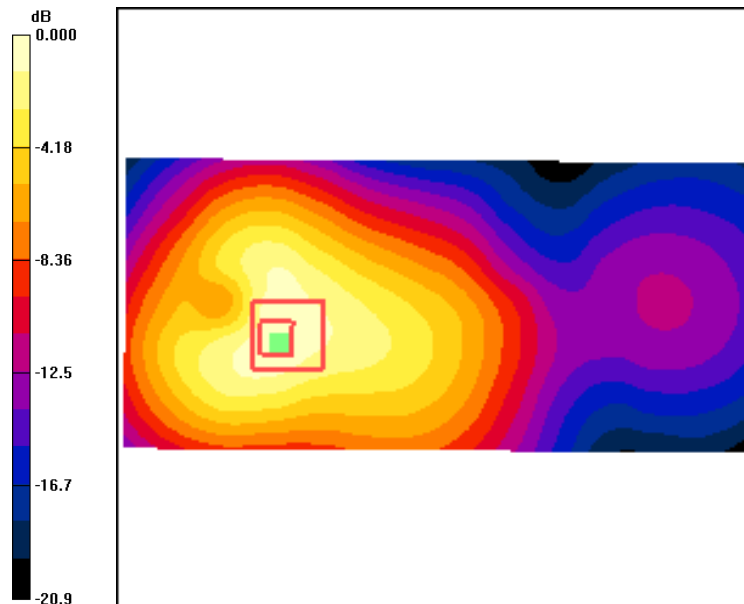
**CDMA-1700 FLAT Face-Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.80 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 0.679 W/kg

**SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.256 mW/g**

Maximum value of SAR (measured) = 0.461 mW/g



0 dB = 0.485mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-03 Closed AWS Flat with 15mm Air Space, Ch. 25 Face Down**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 FLAT Face-Down Ch25/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

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

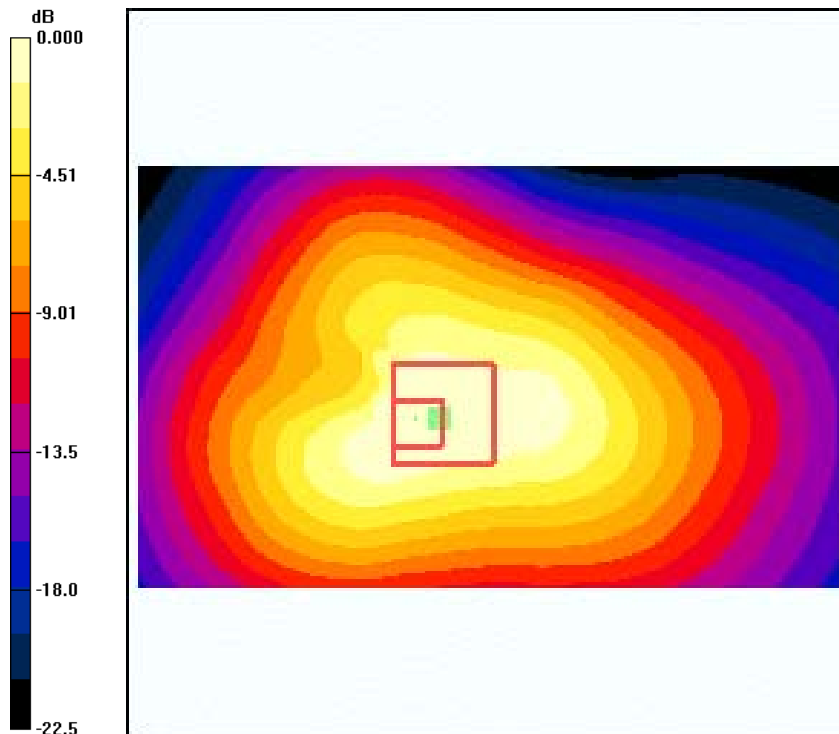
**CDMA-1700 FLAT Face-Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.0 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.441 mW/g**

Maximum value of SAR (measured) = 0.768 mW/g



0 dB = 0.768mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-03 Closed AWS Flat with 15mm Air Space, Ch. 25 Face Up**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 FLAT Face-Up Ch25/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 mW/g

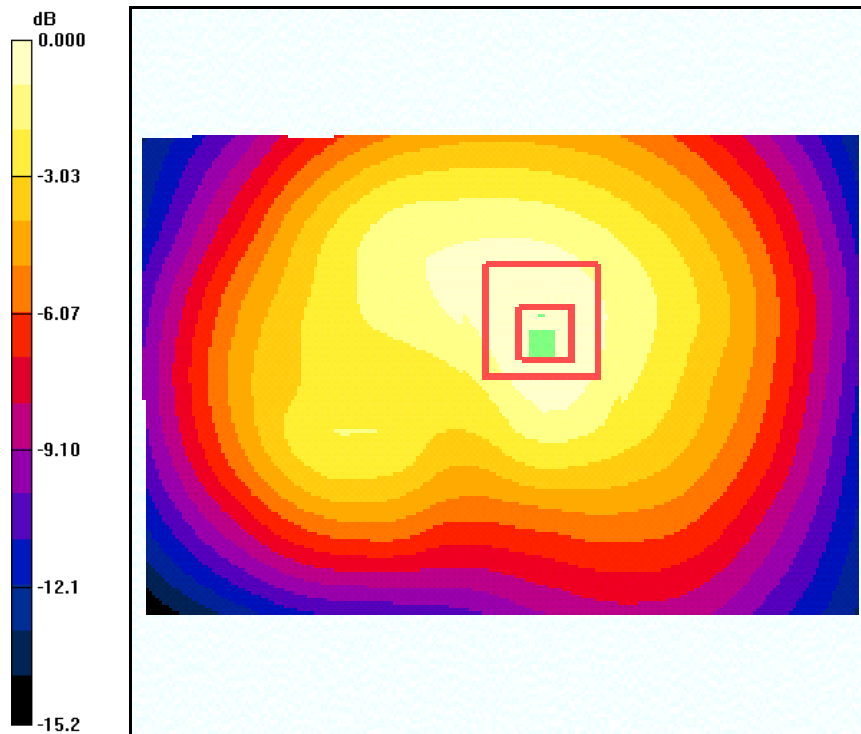
**CDMA-1700 FLAT Face-Up Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.379 W/kg

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.272 mW/g



0 dB = 0.272mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/05/2011

**FCC K55-03 Open AWS Flat with 15mm Air Space, Ch. 25 Face-Down**

Communication System: AWS 1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.73, 4.73, 4.73), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1700 FLAT Face-Down Ch25/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.560 mW/g

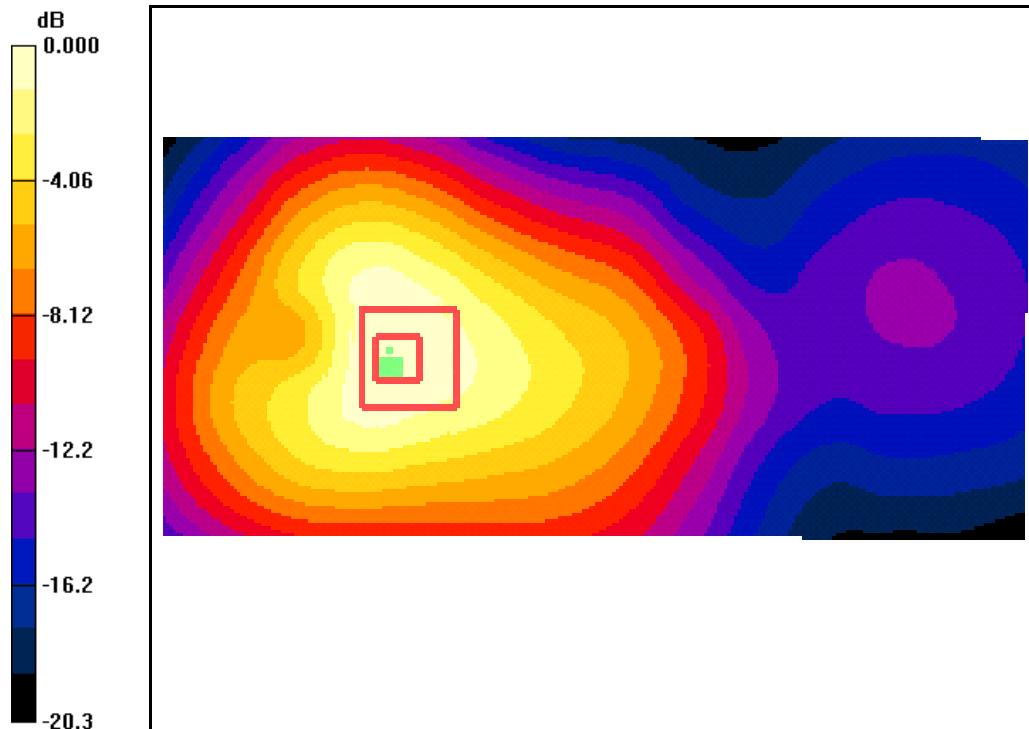
**CDMA-1700 FLAT Face-Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.799 W/kg

**SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.319 mW/g**

Maximum value of SAR (measured) = 0.556 mW/g



0 dB = 0.556mW/g



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## PCS

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Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-02 Closed Faced Down\_PCS Ch25 Flat with 15mm Air Space**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900 FLAT - Face Down Ch25/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.709 mW/g

**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.911 W/kg

**SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.414 mW/g**

Maximum value of SAR (measured) = 0.688 mW/g

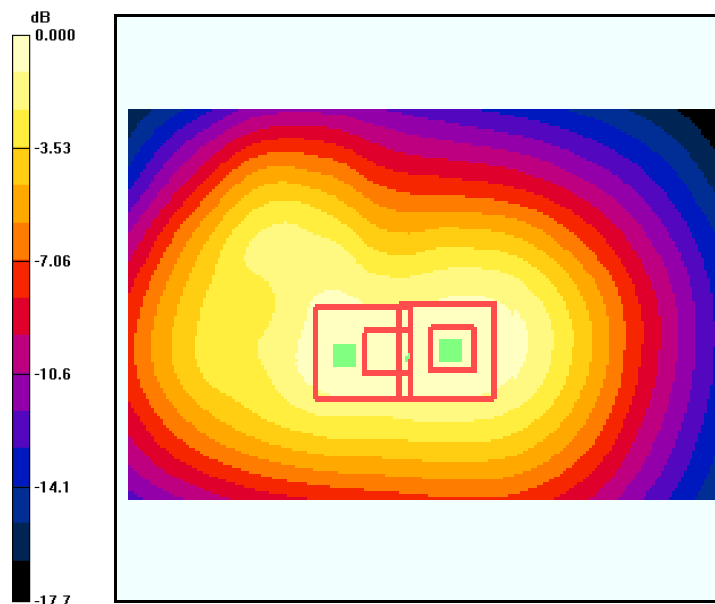
**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.6 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.889 W/kg

**SAR(1 g) = 0.605 mW/g; SAR(10 g) = 0.391 mW/g**

Maximum value of SAR (measured) = 0.667 mW/g



0 dB = 0.688mW/g



Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-02 Closed Faced Up\_PCS Ch25 Flat with 15mm Air Space**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900 FLAT - Face Up Ch25 SO32/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.373 mW/g

**CDMA-1900 FLAT - Face Up Ch25 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.505 W/kg

**SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.201 mW/g**

Maximum value of SAR (measured) = 0.363 mW/g

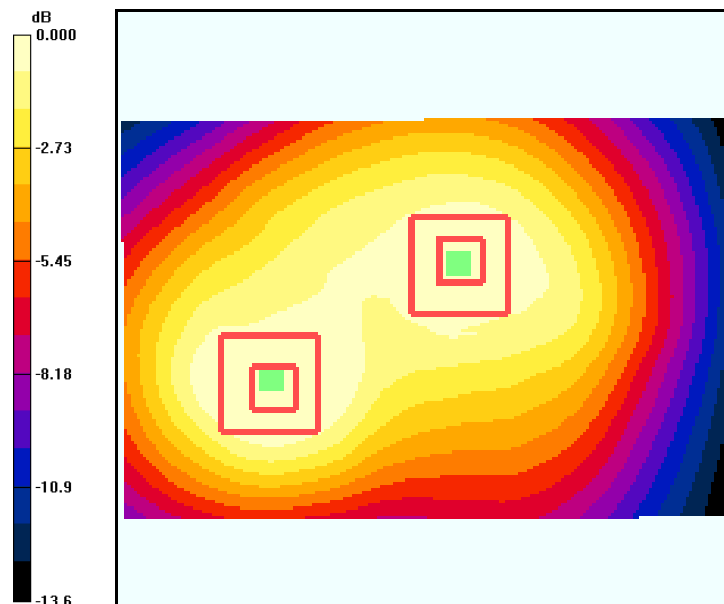
**CDMA-1900 FLAT - Face Up Ch25 SO32/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.288 mW/g



0 dB = 0.288mW/g

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-02 Open Faced Down\_PCS Ch25 Flat with 15mm Air Space**

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-1900 FLAT - Face Down Ch25/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.698 mW/g

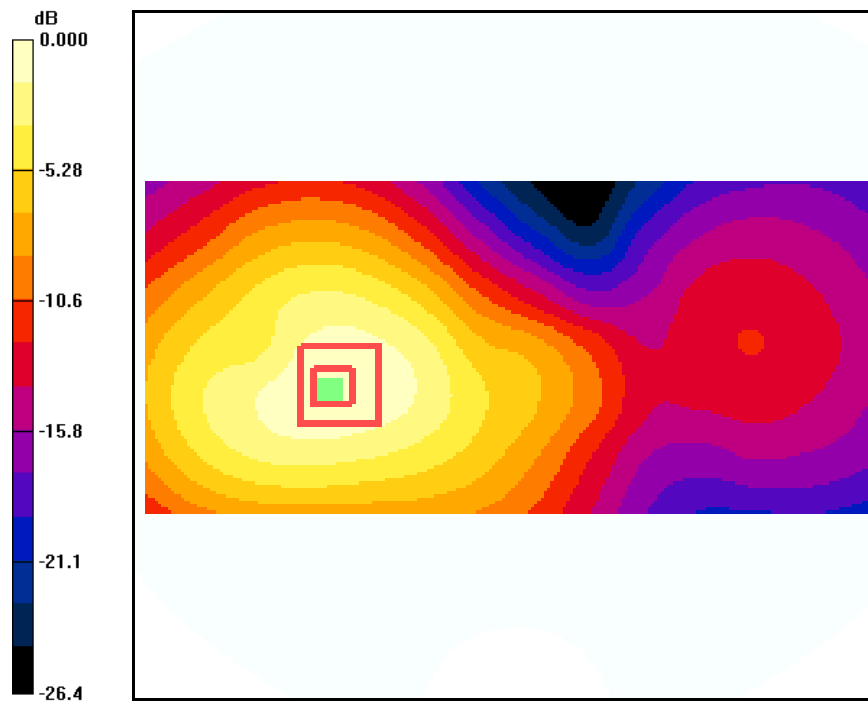
**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.27 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.932 W/kg

**SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.409 mW/g**

Maximum value of SAR (measured) = 0.698 mW/g



0 dB = 0.698mW/g

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-03 Closed PCS Flat with 15mm Air Space, Ch. 1175 Face Down**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**CDMA-1900 FLAT - Face Down Ch1175 SO32/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

**CDMA-1900 FLAT - Face Down Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.349 mW/g**

Maximum value of SAR (measured) = 0.584 mW/g

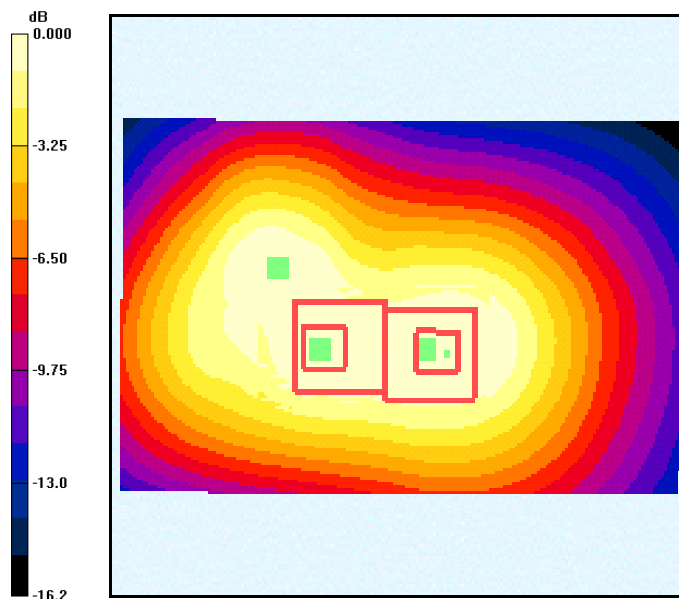
**CDMA-1900 FLAT - Face Down Ch1175 SO32/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.6 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.757 W/kg

**SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.314 mW/g**

Maximum value of SAR (measured) = 0.529 mW/g



0 dB = 0.529mW/g

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-03 Closed PCS Flat with 15mm Air Space, Ch. 1175 Face Up**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

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

**CDMA-1900 FLAT - Face Up Ch1175 SO32/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.391 mW/g

**CDMA-1900 FLAT - Face Up Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.464 W/kg

**SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.179 mW/g**

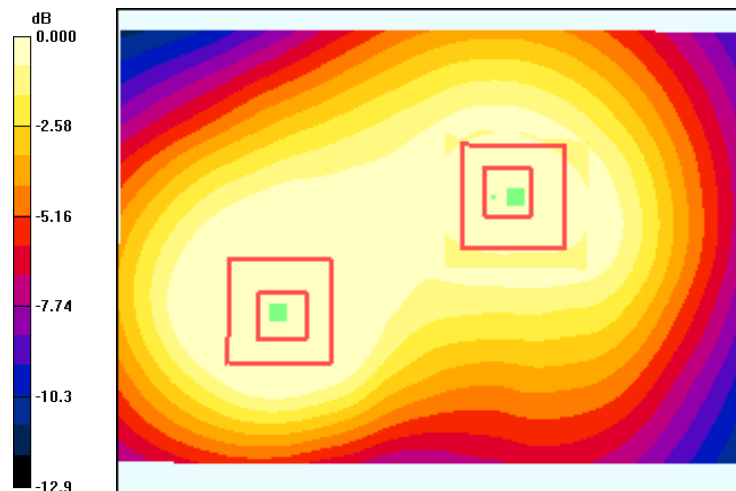
Maximum value of SAR (measured) = 0.328 mW/g

**CDMA-1900 FLAT - Face Up Ch1175 SO32/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.138 mW/g**



0 dB = 0.229mW/g

Applicant	Kyocera
FCC ID:	OVF-K5502
Report #:	CT-K5502-9B2-1210-R0

Test Laboratory: Comptest/Kyocera

Date: 12/17/2010

**FCC K55-03 Open PCS Flat with 15mm Air Space, Ch. 1175 Face Down**

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.5, 4.5, 4.5), Calibrated: 7/14/2010

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

Electronics: DAE4 Sn602, Calibrated: 7/14/2010

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-1900 FLAT - Face Down Ch1175 SO32/Area Scan (61x131x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.687 mW/g

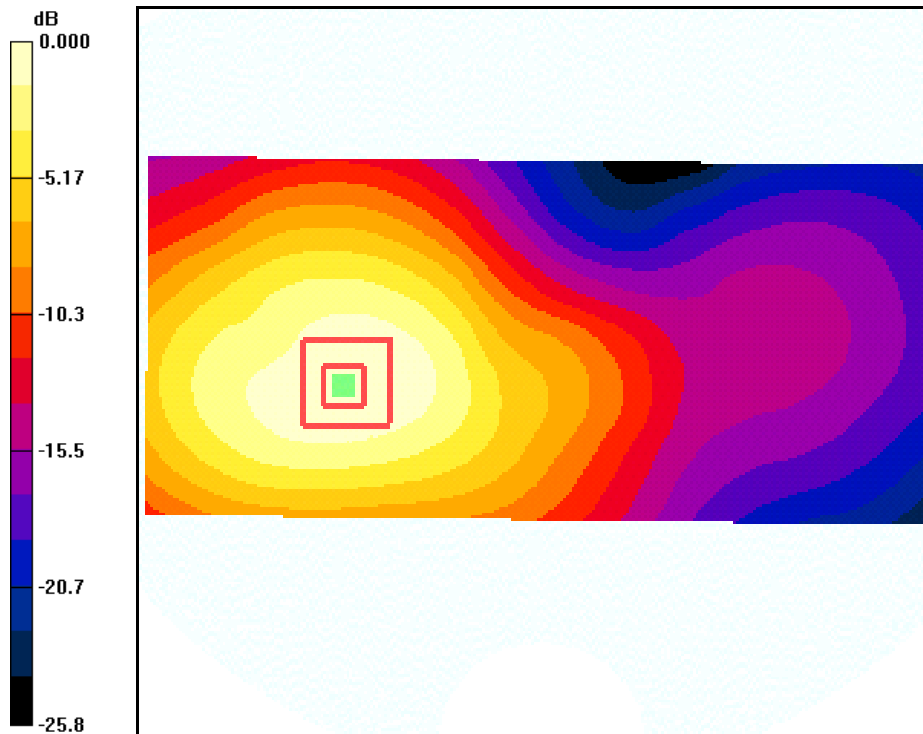
**CDMA-1900 FLAT - Face Down Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.00 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.888 W/kg

**SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.383 mW/g**

Maximum value of SAR (measured) = 0.655 mW/g



0 dB = 0.655mW/g