



Applicant	Kyocera
FCC ID:	OVFS13503CB
Report #:	CT-S1350-9B2-0411-R0

EXHIBIT 9 APPENDIX B2: SAR DISTRIBUTION PLOTS (BODY)

# CELL

Applicant	Kyocera
FCC ID:	OVFS13503CB
Report #:	CT-S1350-9B2-0411-R0

Test Laboratory: Comptest/Kyocera

Date: 04/12/2011

**FCC S1350\_Phone Faced Down\_CELL Ch.1013, Flat with 15mm Air Space**

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  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 Ch1013 SO32 SO55/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.958 mW/g

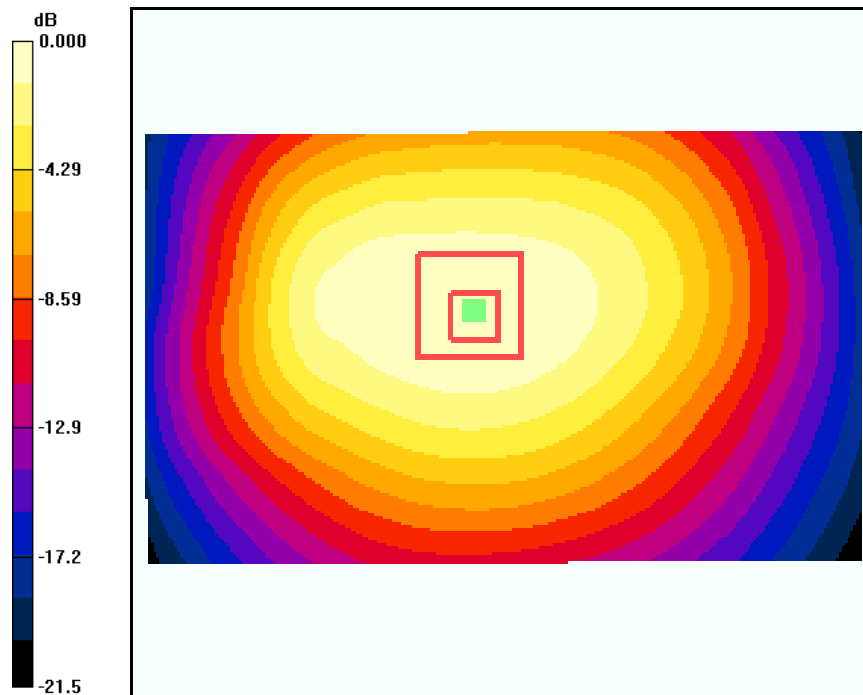
**CDMA-800 FLAT Face-Down Ch1013 SO32 SO55/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.4 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.901 mW/g; SAR(10 g) = 0.655 mW/g**

Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.952mW/g

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**FCC S1350\_Phone Faced Down\_CELL Ch.383, 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;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  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 (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.872 mW/g

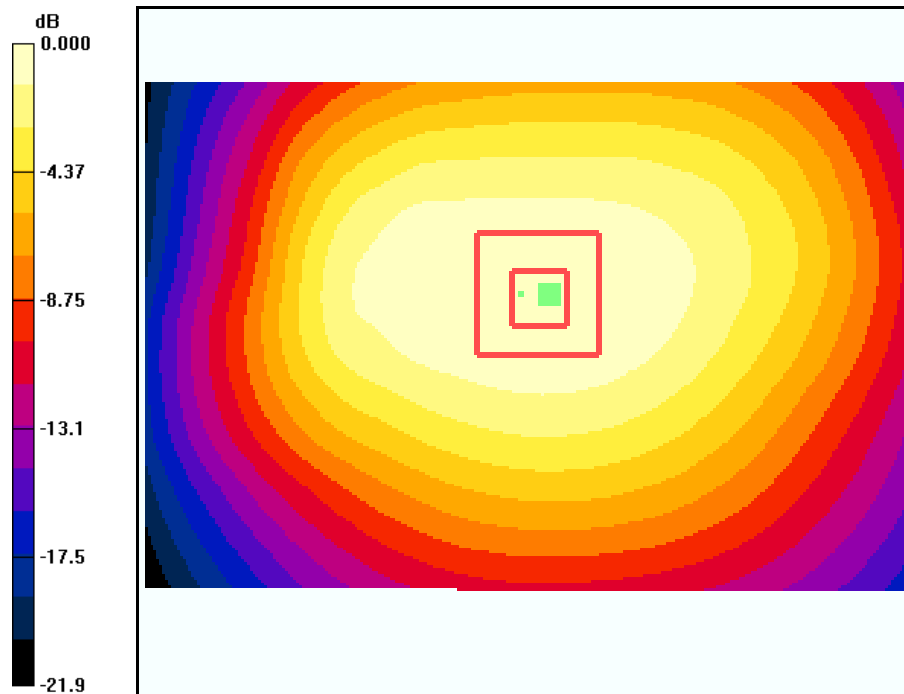
**CDMA-800 FLAT Face-Down Ch383 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.8 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.585 mW/g**

Maximum value of SAR (measured) = 0.851 mW/g



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**FCC S1350\_Phone Faced Down\_CELL Ch.777, 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;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  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 Ch777 SO32 +SCH/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.739 mW/g

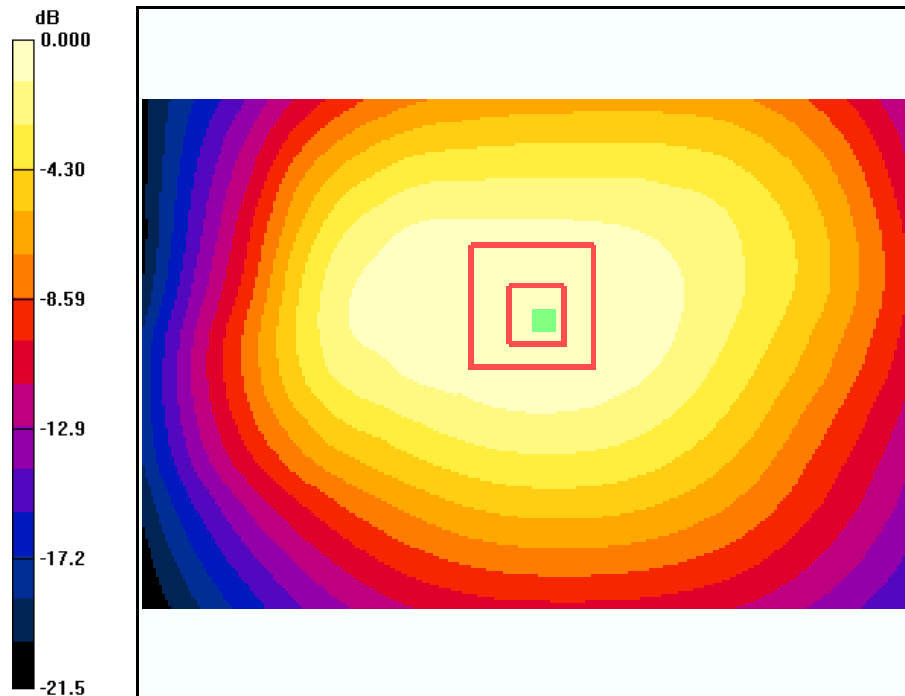
**CDMA-800 FLAT Face-Down Ch777 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 27.5 V/m; Power Drift = 0.002 dB

Peak SAR (extrapolated) = 0.921 W/kg

**SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.502 mW/g**

Maximum value of SAR (measured) = 0.733 mW/g



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**FCC S1350\_Phone Faced Up\_CELL Ch.1013 Flat with 15mm Air Space**

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  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 Ch1013 SO32 +SCH/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.638 mW/g

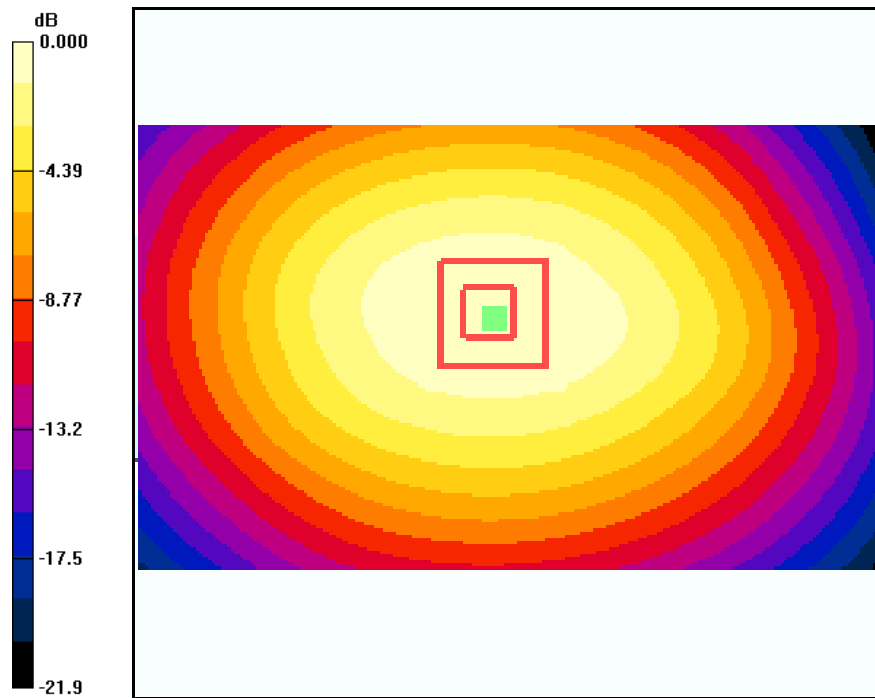
**CDMA-800 FLAT Face-Up Ch1013 SO32 +SCH/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.4 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.795 W/kg

**SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.647 mW/g



0 dB = 0.647mW/g



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**AWS**

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Test Laboratory: Comptest/Kyocera

Date: 04/20/2011

**FCC S1350\_Phone Faced Down\_AWS Ch.25, Flat with 15mm Air Space**

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

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  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) = 1.24 mW/g

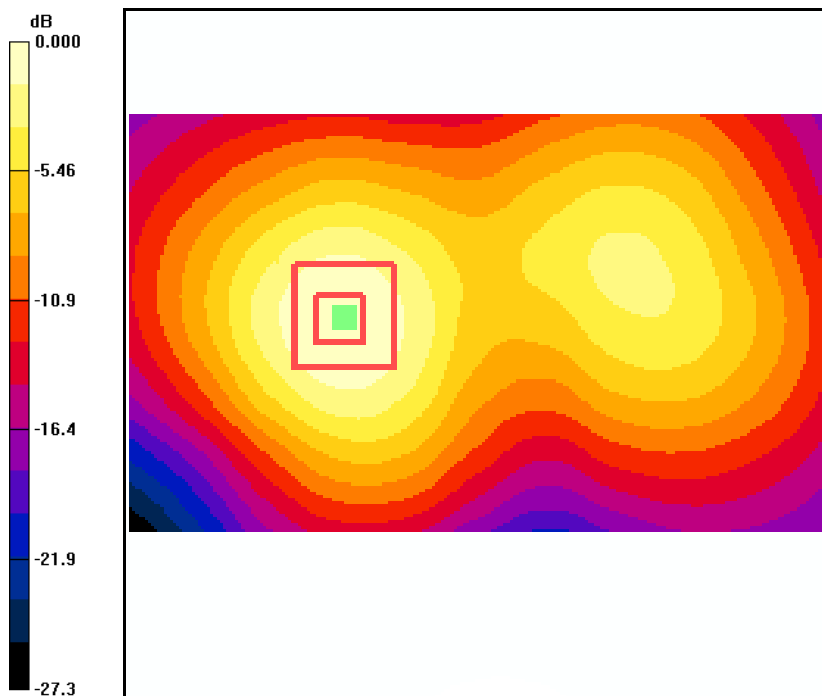
**CDMA-1700 FLAT Face-Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.642 mW/g**

Maximum value of SAR (measured) = 1.19 mW/g



0 dB = 1.19mW/g

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Date: 04/20/2011

**FCC S1350\_Phone Faced Down\_AWS Ch.450, Flat with 15mm Air Space**

Communication System: AWS 1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  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 Ch450/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

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

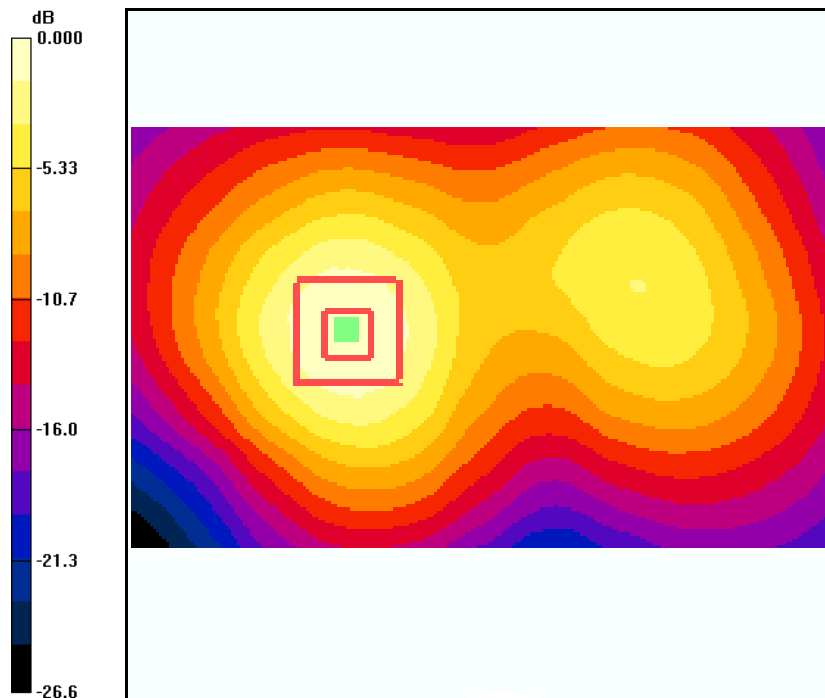
**CDMA-1700 FLAT Face-Down Ch450/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.4 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.940 mW/g; SAR(10 g) = 0.557 mW/g**

Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 1.03mW/g



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**FCC S1350\_Phone Faced Down\_AWS Ch.875, Flat with 15mm Air Space**

Communication System: AWS 1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: M1700, Medium parameters used (interpolated):  $f = 1753.75$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  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 Ch875/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.03 mW/g

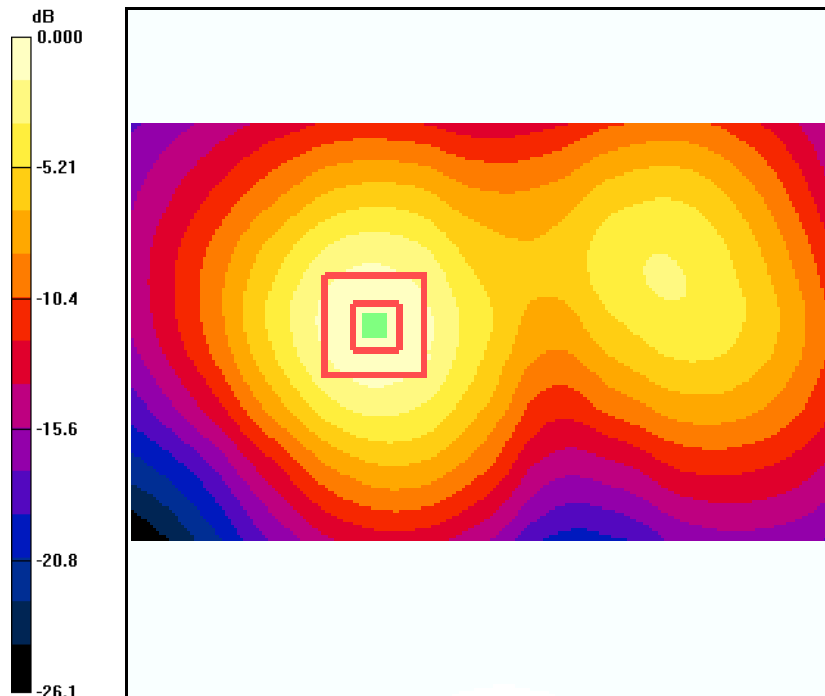
**CDMA-1700 FLAT Face-Down Ch875/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.6 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.580 mW/g**

Maximum value of SAR (measured) = 1.06 mW/g



0 dB = 1.06mW/g

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Test Laboratory: Comptest/Kyocera

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**FCC S1350\_Phone Faced Up\_AWS Ch.25, Flat with 15mm Air Space**

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

Medium: M1700, Medium parameters used (interpolated):  $f = 1711.25$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  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) = 0.735 mW/g

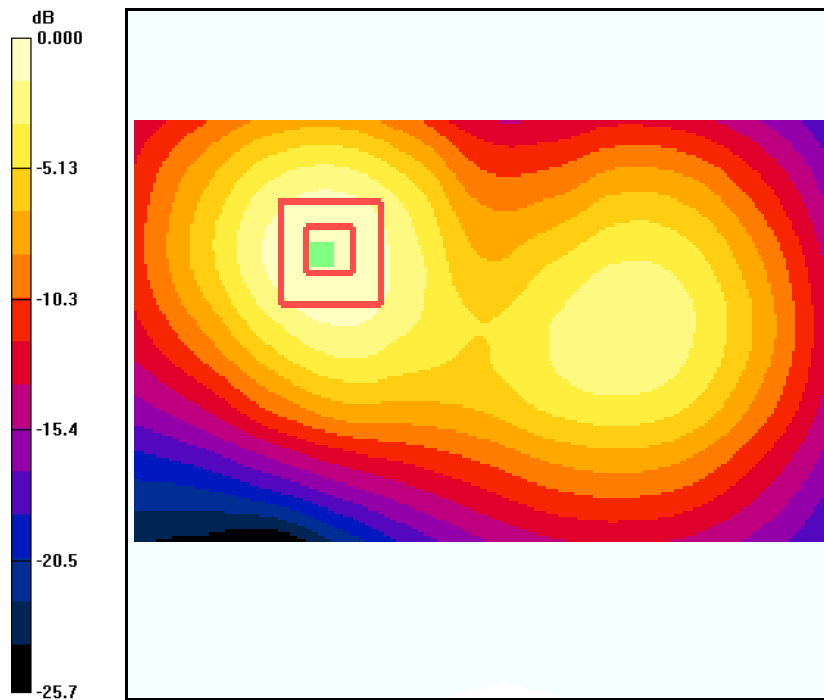
**CDMA-1700 FLAT Face-Up Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.3 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.393 mW/g**

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



0 dB = 0.709mW/g



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## PCS

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Test Laboratory: Comptest/Kyocera

Date: 04/13/2011

**FCC S1350\_Phone Closed Faced Down\_PCS Ch.25 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;  $\epsilon_r = 51$ ;  $\rho = 1000$  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) = 1.14 mW/g

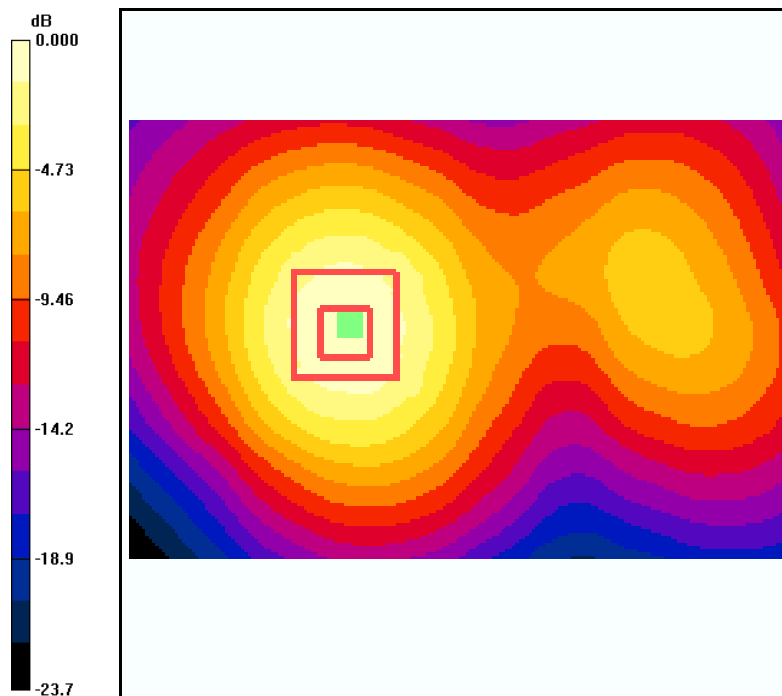
**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.8 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 1.70 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.667 mW/g**

Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

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**FCC S1350\_Phone Faced Down\_PCS Ch.600, Flat with 15mm Air Space**

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

Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  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 Ch600 SO32/Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.02 mW/g

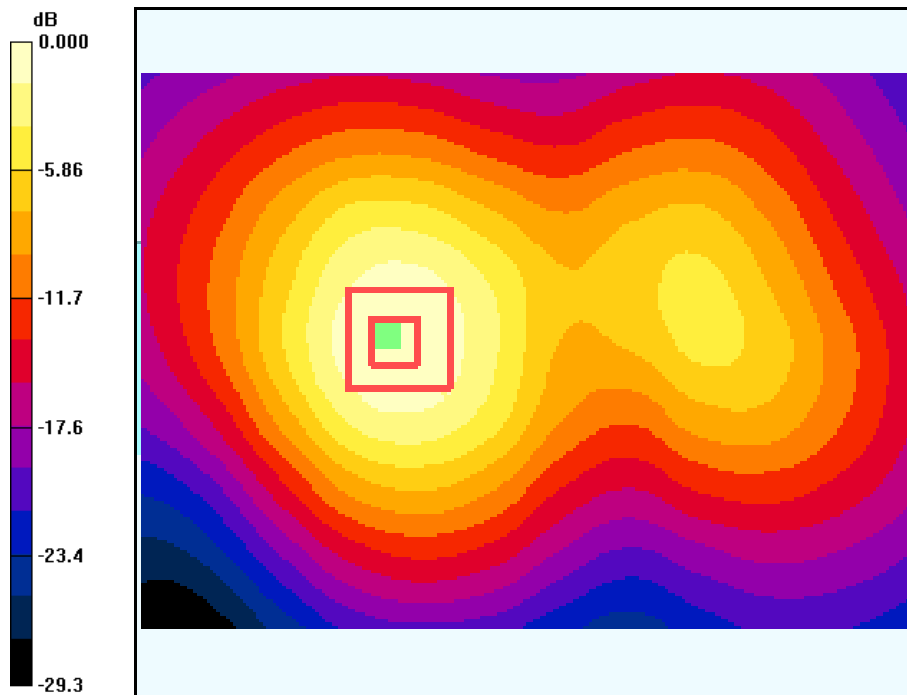
**CDMA-1900 FLAT - Face Down Ch600 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.0 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.559 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g



0 dB = 1.00mW/g

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**FCC S1350\_Phone Faced Down\_PCS Ch.1175, Flat with 15mm Air Space**

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;  $\epsilon_r = 51$ ;  $\rho = 1000$  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) = 1.16 mW/g

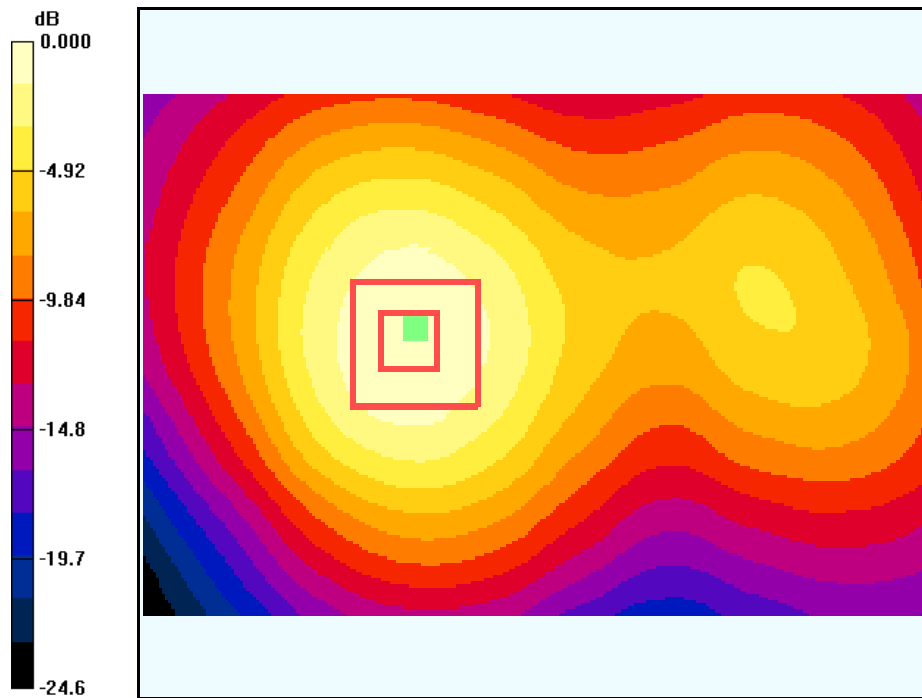
**CDMA-1900 FLAT - Face Down Ch1175 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.074 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.610 mW/g**

Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

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**FCC S1350\_Phone Faced Up\_PCS Ch.600, Flat with 15mm Air Space**

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

Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.58$  mho/m;  $\epsilon_r = 51$ ;  $\rho = 1000$  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 Ch600 SO32/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.538 mW/g

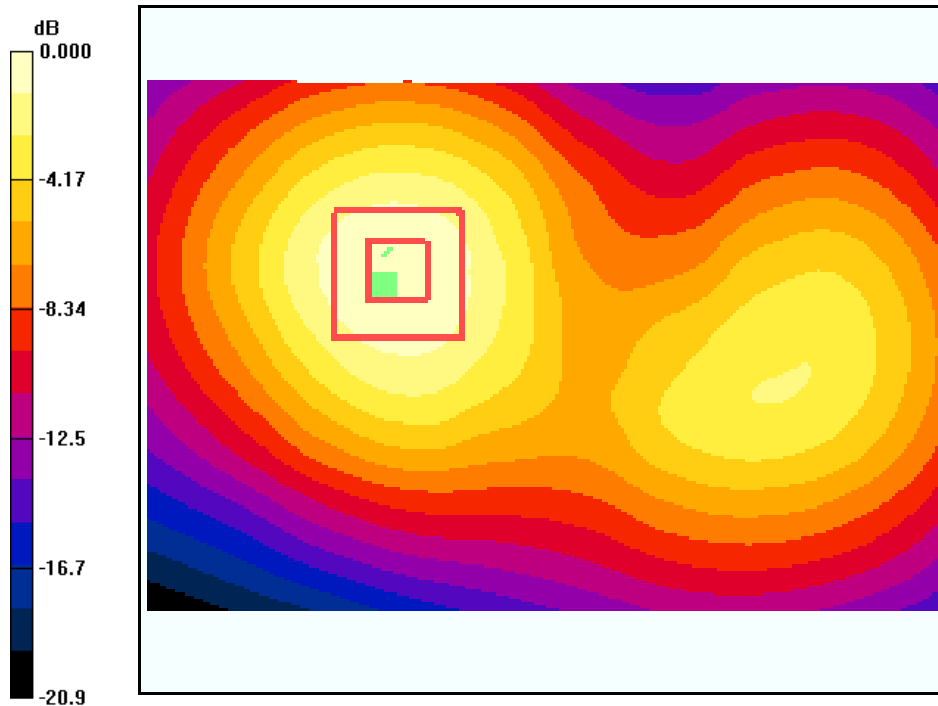
**CDMA-1900 FLAT - Face Up Ch600 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.81 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.752 W/kg

**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.299 mW/g**

Maximum value of SAR (measured) = 0.532 mW/g



0 dB = 0.532mW/g