



Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

**EXHIBIT 9 Appendix B1: SAR DISTRIBUTION PLOTS (HEAD)**

**CELL-BC0**

Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/16/2013

**FCC S2151 CDMA-800 BC-0 Left, Ch. 1013, Left Cheek**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch1013 LC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.404 mW/g

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

Reference Value = 2.58 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.627 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.242 mW/g**

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

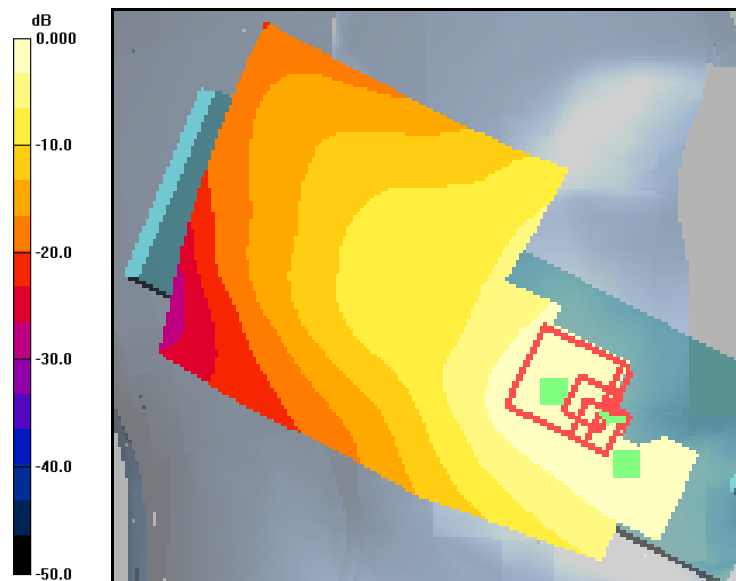
**CDMA-800 Ch1013 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.58 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.528 W/kg

**SAR(1 g) = 0.362 mW/g; SAR(10 g) = n.a.**

Maximum value of SAR (measured) = 0.411 mW/g



0 dB = 0.411mW/g

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**FCC S2151 CDMA-800 BC-0 Left, Ch. 1013, Left Tilt**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7$  MHz;  $\sigma = 0.91$  mho/m;  $\epsilon_r = 40.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**CDMA-800 Ch1013 LT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.078 mW/g

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

Reference Value = 5.20 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.090 W/kg

**SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.057 mW/g**

Maximum value of SAR (measured) = 0.077 mW/g

**CDMA-800 Ch1013 LT/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.20 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 0.085 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = n.a.**

Maximum value of SAR (measured) = 0.069 mW/g



0 dB = 0.078mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/16/2013

**FCC S2151 CDMA-800 BC-0 Right, Ch. 1013, Right Cheek**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch1013 RC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.429 mW/g

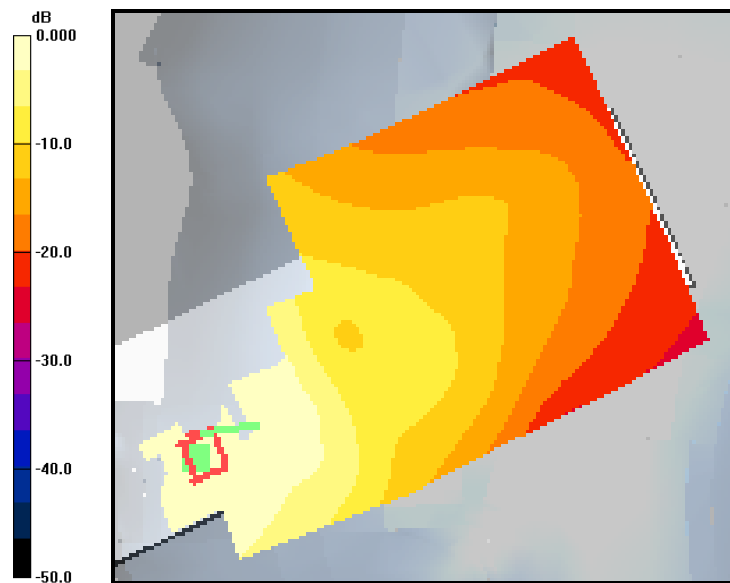
**CDMA-800 Ch1013 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.85 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.412 mW/g; SAR(10 g) = n.a.**

Maximum value of SAR (measured) = 0.469 mW/g



0 dB = 0.429mW/g

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Date: 01/16/2013

**FCC S2151 CDMA-800 BC-0 Right, Ch. 1013, Right Tilt**

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

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch1013 RT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.097 mW/g

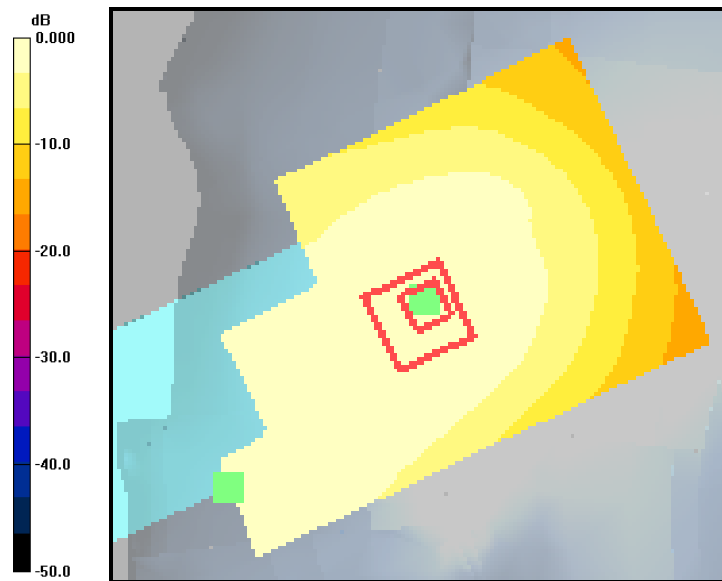
**CDMA-800 Ch1013 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.20 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.108 W/kg

**SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.070 mW/g**

Maximum value of SAR (measured) = 0.094 mW/g



0 dB = 0.097mW/g

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Date: 01/16/2013

**FCC S2151 CDMA-800 BC-0 Flat-Jaw, Ch. 1013**

Communication System: Cell BC 0&10 , Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (interpolated):  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch1013 Flat Jaw/Area Scan (91x81x1):** Measurement grid: dx=15mm, dy=15mm

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

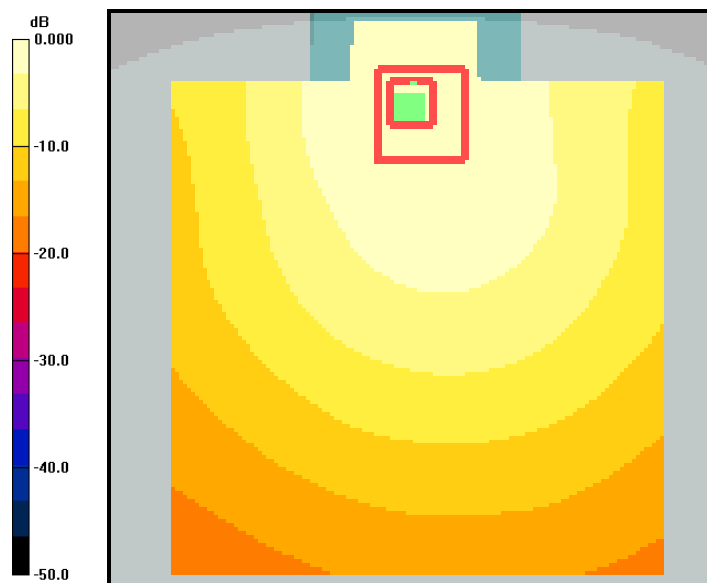
**CDMA-800 Ch1013 Flat Jaw/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.83 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.574 W/kg

**SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 0.455 mW/g



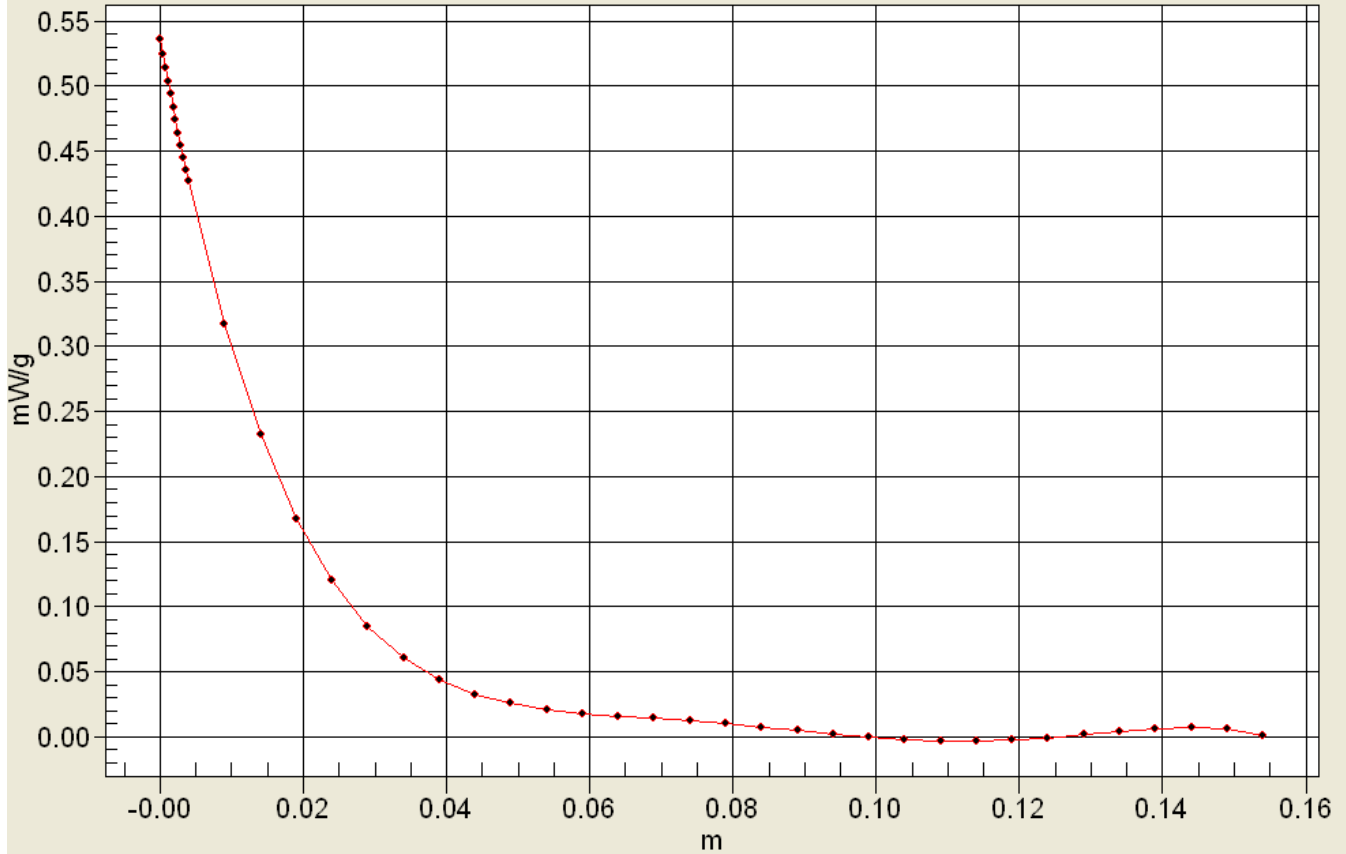
0 dB = 0.450mW/g



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**Interpolated SAR(x,y,z,f0)**

SAR; Z Scan: Value Along Z, X=0, Y=0





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## CELL-BC10



Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/15/2013

**FCC S2151 CDMA-800 BC-10 Left, Ch. 580, Left Cheek**

Communication System: Cell BC-10, Frequency: 820.5 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch580 LC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.465 mW/g

**CDMA-800 Ch580 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.73 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.727 W/kg

**SAR(1 g) = 0.400 mW/g; SAR(10 g) = 0.278 mW/g**

Maximum value of SAR (measured) = 0.451 mW/g

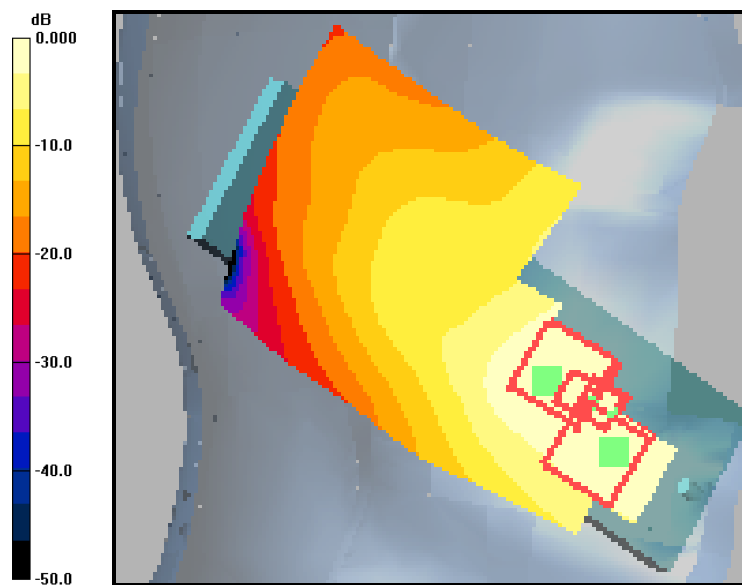
**CDMA-800 Ch580 LC/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.73 V/m; Power Drift = 0.060 dB

Peak SAR (extrapolated) = 0.595 W/kg

**SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.264 mW/g**

Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.459mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/15/2013

**FCC S2151 CDMA-800 BC-10 Left, Ch. 580, Left Tilt**

Communication System: Cell BC-10, Frequency: 820.5 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch580 LT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.084 mW/g

**CDMA-800 Ch580 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.17 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 0.098 W/kg

**SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.063 mW/g**

Maximum value of SAR (measured) = 0.085 mW/g

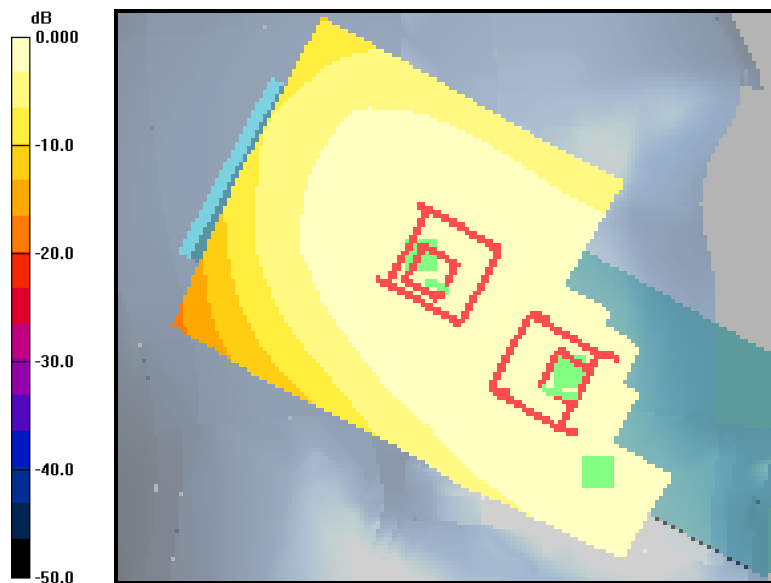
**CDMA-800 Ch580 LT/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.17 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 0.095 W/kg

**SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.078 mW/g



0 dB = 0.084mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/16/2013

**FCC S2151 CDMA-800 BC-10 Right, Ch. 580, Right Cheek**

Communication System: Cell BC-10, Frequency: 820.5 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch580 RC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.503 mW/g

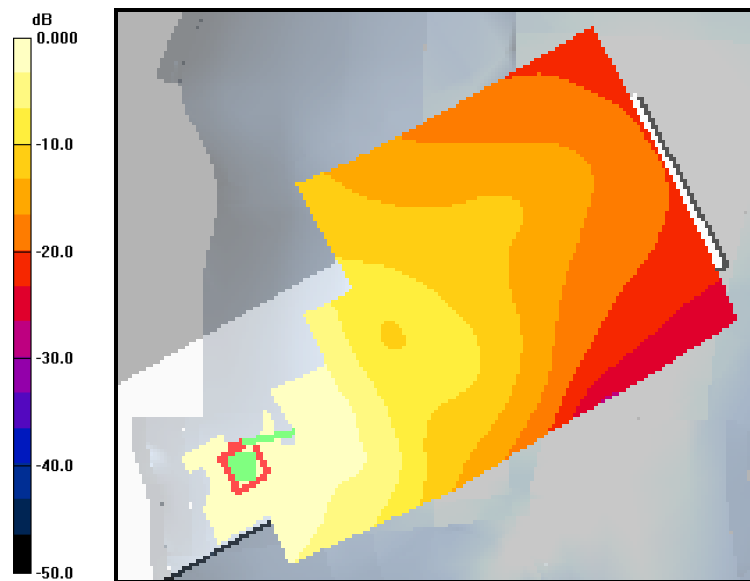
**CDMA-800 Ch580 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.80 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 0.742 W/kg

**SAR(1 g) = 0.483 mW/g; SAR(10 g) = n.a.**

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



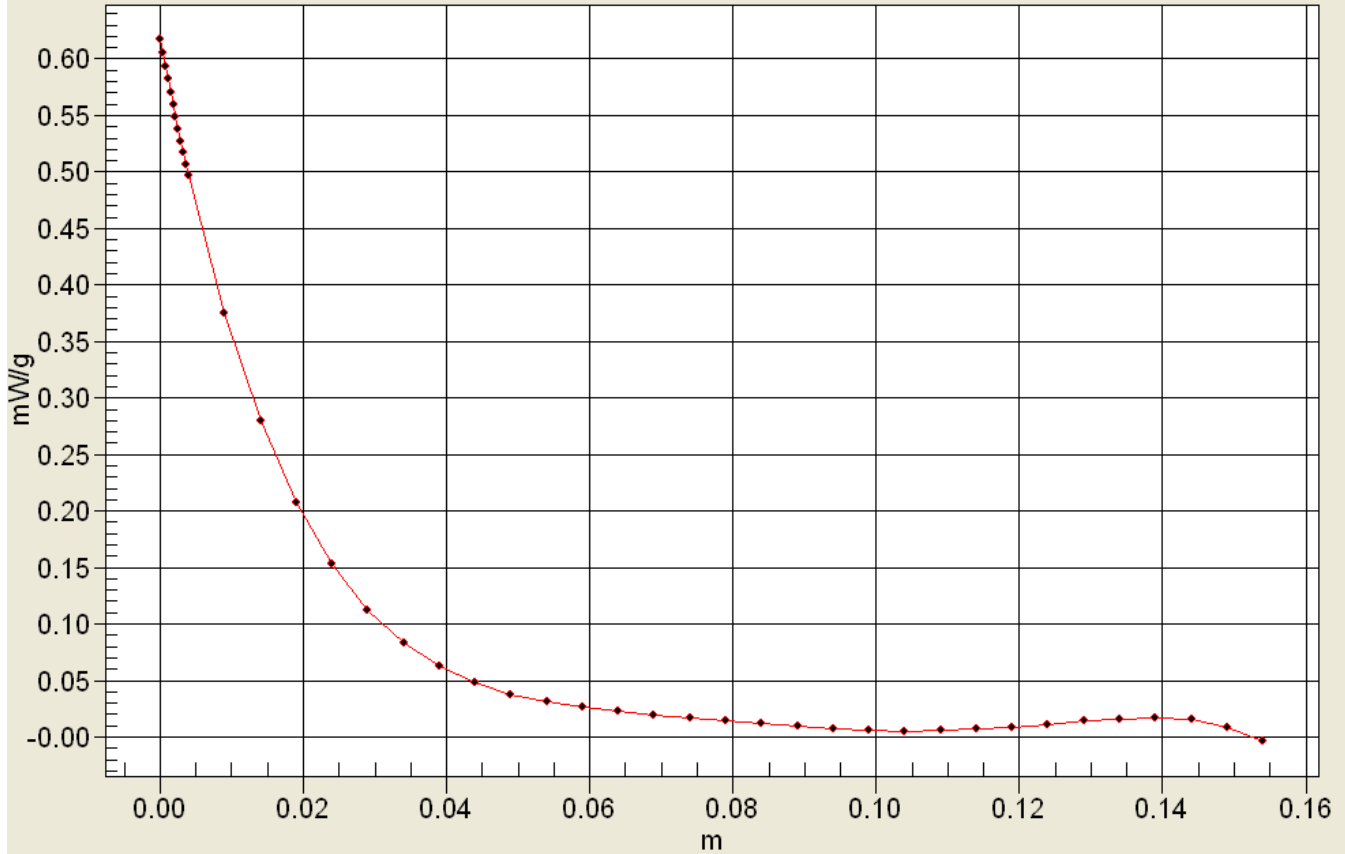
0 dB = 0.503mW/g



Applicant:	Kyocera
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Report #:	CT- S2151-9B1-0113

**Interpolated SAR(x,y,z,f0)**

SAR; Z Scan: Value Along Z, X=0, Y=0



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Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/16/2013

**FCC S2151 CDMA-800 BC-10 Right, Ch. 580, Right Tilt**

Communication System: Cell BC-10, Frequency: 820.5 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch580 RT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.108 mW/g

**CDMA-800 Ch580 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.11 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.125 W/kg

**SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.105 mW/g

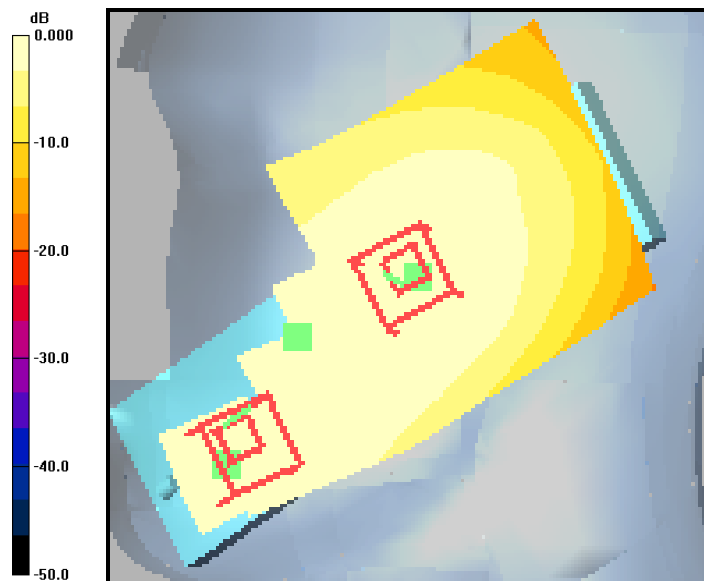
**CDMA-800 Ch580 RT/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.11 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.069 mW/g**

Maximum value of SAR (measured) = 0.093 mW/g



0 dB = 0.108mW/g

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Test Laboratory: Comptest/Kyocera

Date: 01/16/2013

**FCC S2151 CDMA-800 BC-10 Flat-Jaw, Ch. 580**

**FCC S2151-Paylo CDMA-800 Flat-Jaw region, 011613**

Communication System: Cell BC 0&10 , Frequency: 820.5 MHz, Duty Cycle: 1:1

Medium: Head 835 MHz, Medium parameters used (extrapolated):  $f = 820.5 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 40.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(6.04, 6.04, 6.04), Calibrated: 2/22/2012

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

Electronics: DAE4 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-800 Ch580 Flat Jaw/Area Scan (81x61x1):** Measurement grid: dx=15mm, dy=15mm

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

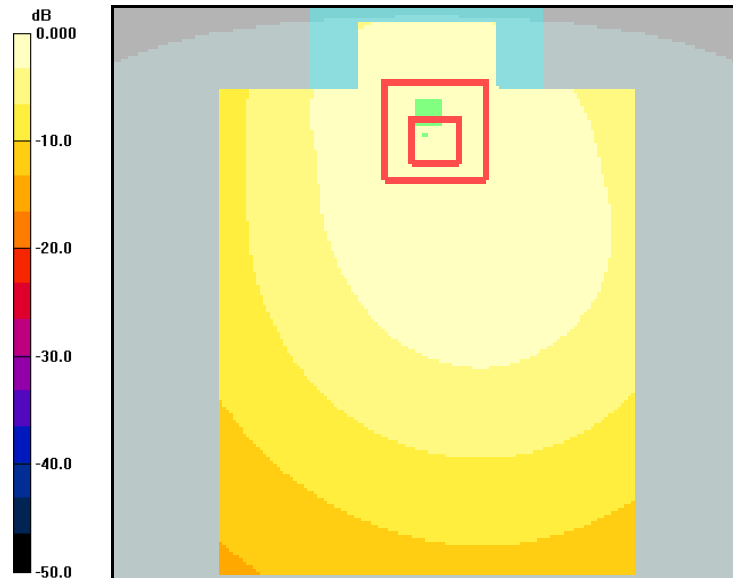
**CDMA-800 Ch580 Flat Jaw/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.212 mW/g**

Maximum value of SAR (measured) = 0.315 mW/g





**COMPTEST**  
Services LLC

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## PCS



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FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/15/2013

**FCC S2151 CDMA-1900 Left, Ch. 25, Left Cheek**

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

Medium: HSL1900,Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.43$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12,Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675,Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-1900\_Ch25 LC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

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

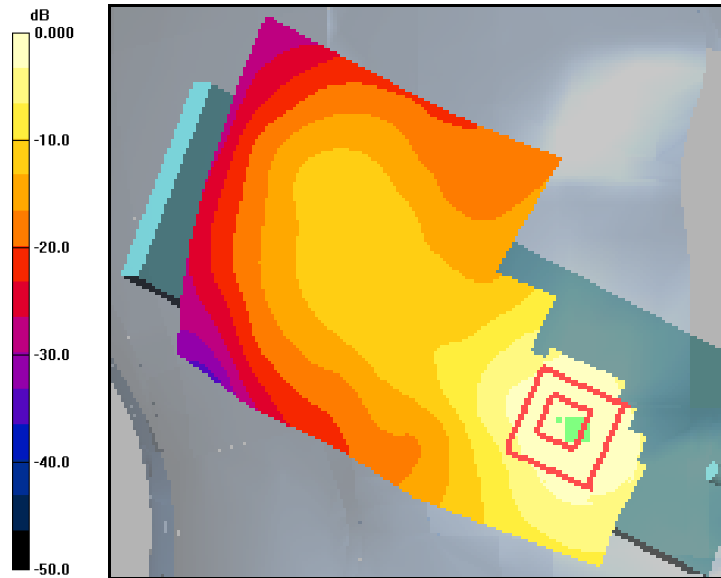
**CDMA-1900\_Ch25 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.81 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 2.02 W/kg

**SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.763 mW/g**

Maximum value of SAR (measured) = 1.55 mW/g



0 dB = 1.42mW/g



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Test Laboratory: Comptest/Kyocera

Date: 01/14/2013

**FCC S2151 CDMA-1900 Left, Ch. 600, Left Cheek**

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

Medium: HSL1900, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675, Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-1900\_CH600 LC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.23 mW/g

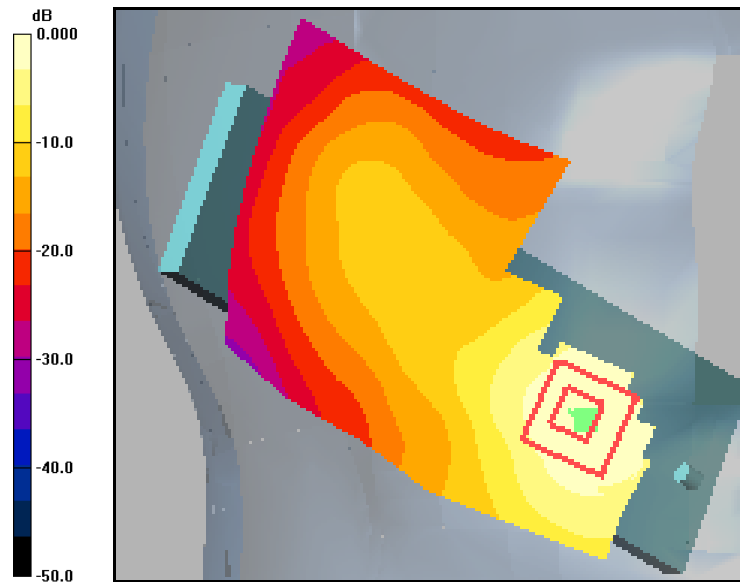
**CDMA-1900\_CH600 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.56 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.77 W/kg

**SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.660 mW/g**

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



0 dB = 1.23mW/g

Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/14/2013

**FCC S2151 CDMA-1900 Left, Ch. 1175, Left Cheek**

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

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675, Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-1900\_Ch 1175 LC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.984 mW/g

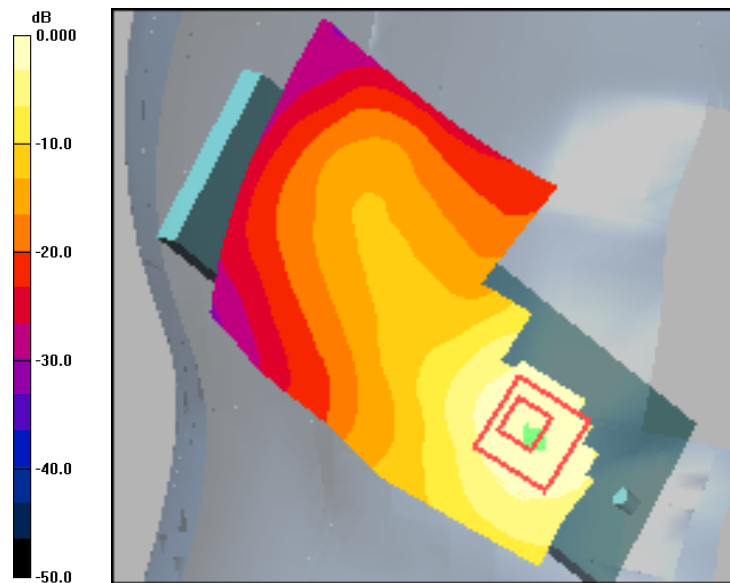
**CDMA-1900\_Ch 1175 LC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.27 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 1.48 W/kg

**SAR(1 g) = 0.951 mW/g; SAR(10 g) = 0.521 mW/g**

Maximum value of SAR (measured) = 1.07 mW/g



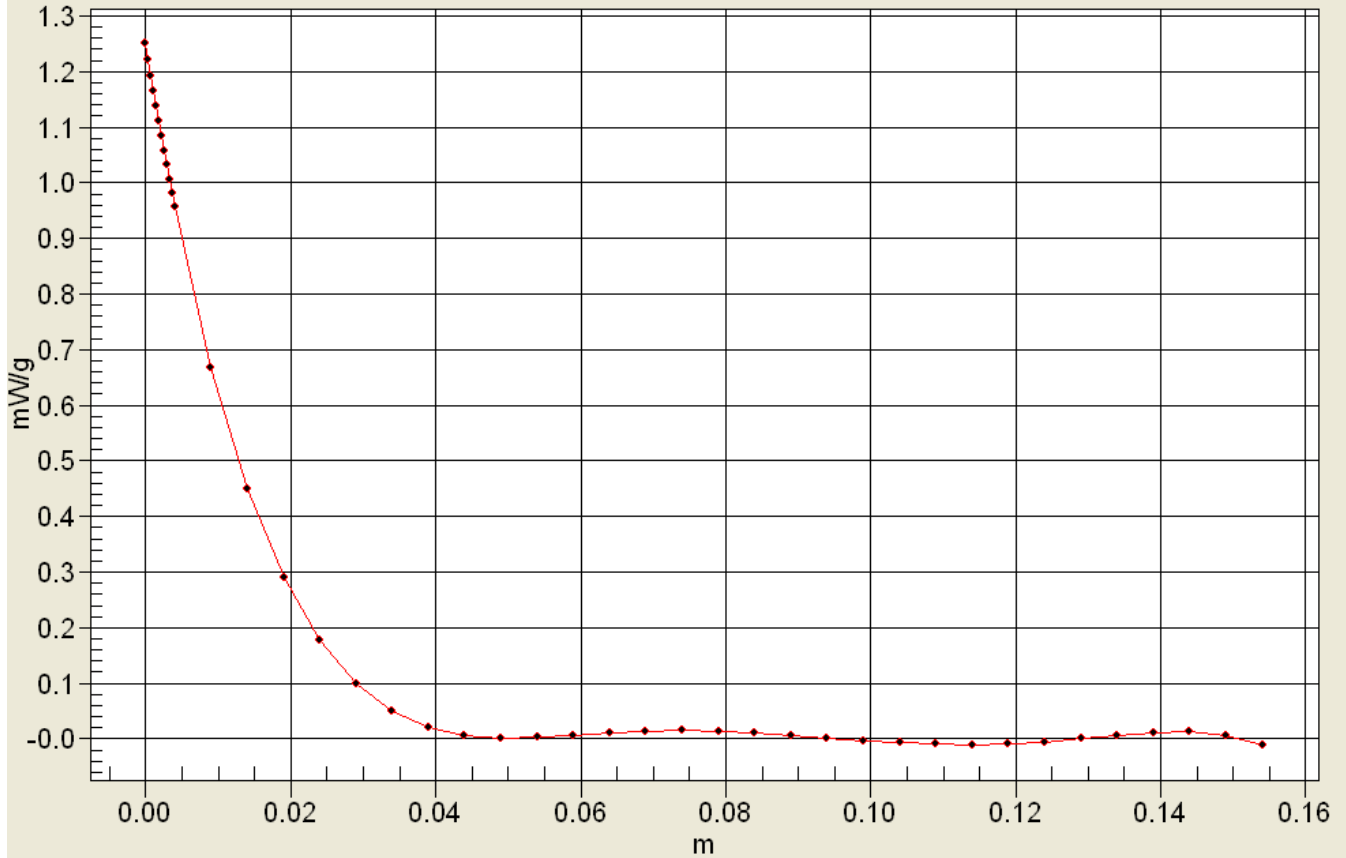
0 dB = 0.984mW/g



Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

**Interpolated SAR(x,y,z,f0)**

SAR; Z Scan: Value Along Z, X=0, Y=0



Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/14/2013

**FCC S2151 CDMA-1900 Left, Ch. 1175, Left Tilt**

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

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Left Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675, Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**CDMA-1900\_Ch 1175 LT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.122 mW/g

**CDMA-1900\_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.75 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.129 mW/g

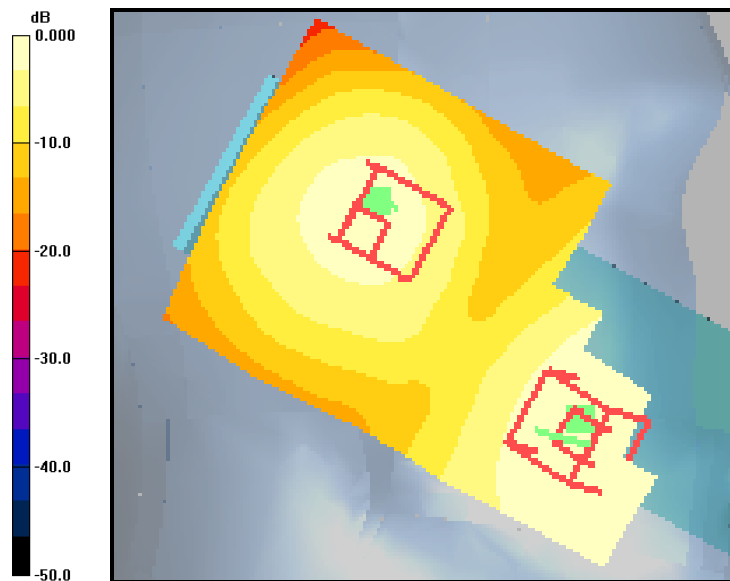
**CDMA-1900\_Ch 1175 LT/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.75 V/m; Power Drift = 0.088 dB

Peak SAR (extrapolated) = 0.234 W/kg

**SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.080 mW/g



0 dB = 0.122mW/g

Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/14/2013

**FCC S2151 CDMA-1900 Right, Ch. 1175, Right Cheek**

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

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675, Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-1900 Ch1175 RC/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.429 mW/g

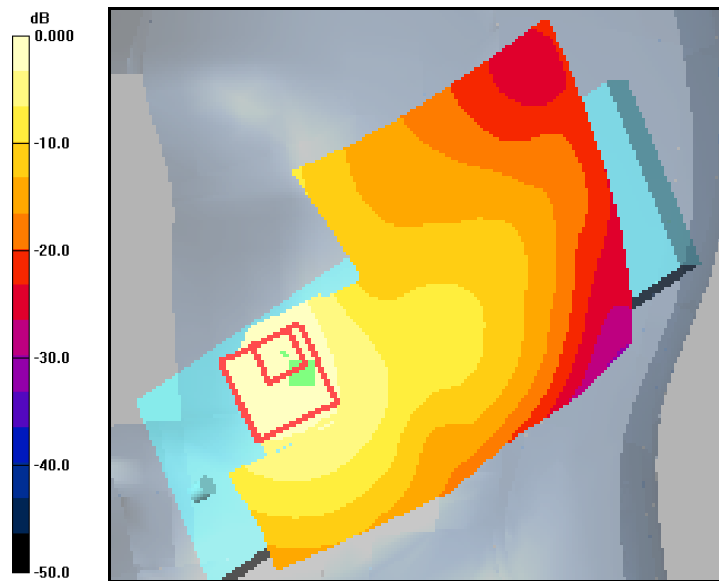
**CDMA-1900 Ch1175 RC/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.00 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.267 mW/g**

Maximum value of SAR (measured) = 0.528 mW/g



0 dB = 0.528mW/g

Applicant:	Kyocera
FCC ID:	V65S2151
Report #:	CT- S2151-9B1-0113

Test Laboratory: Comptest/Kyocera

Date: 01/15/2013

**FCC S2151 CDMA-1900 Right, Ch. 1175, Right Tilt**

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

Medium: HSL1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Right Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(5.17, 5.17, 5.17), Calibrated: 9/13/2012

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

Electronics: DAE4 Sn675, Calibrated: 5/23/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

Room T = 21.8  $\pm$  1 deg C, Liquid T = 22.0  $\pm$  1 deg C

**CDMA-1900 Ch1175 RT/Area Scan (91x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.093 mW/g

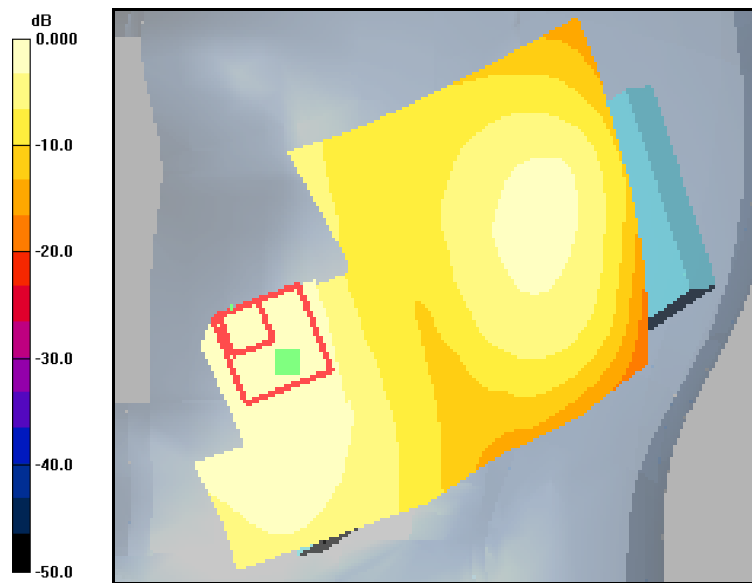
**CDMA-1900 Ch1175 RT/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.00 V/m; Power Drift = 0.178 dB

Peak SAR (extrapolated) = 0.114 W/kg

**SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.054 mW/g**

Maximum value of SAR (measured) = 0.092 mW/g



0 dB = 0.093mW/g