



Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

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

**CELL**

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 1013, Closed**

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 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-800 FLAT Face Down Ch1013/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

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

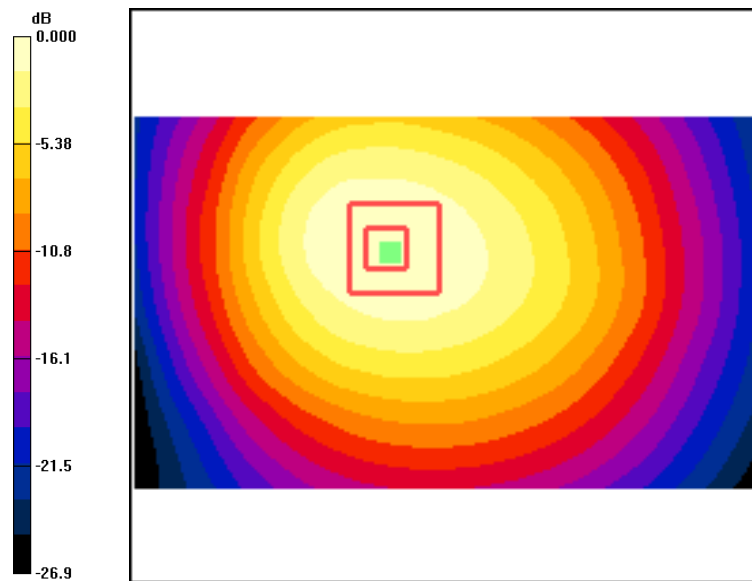
**CDMA-800 FLAT Face Down Ch1013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.7 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.876 mW/g**

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



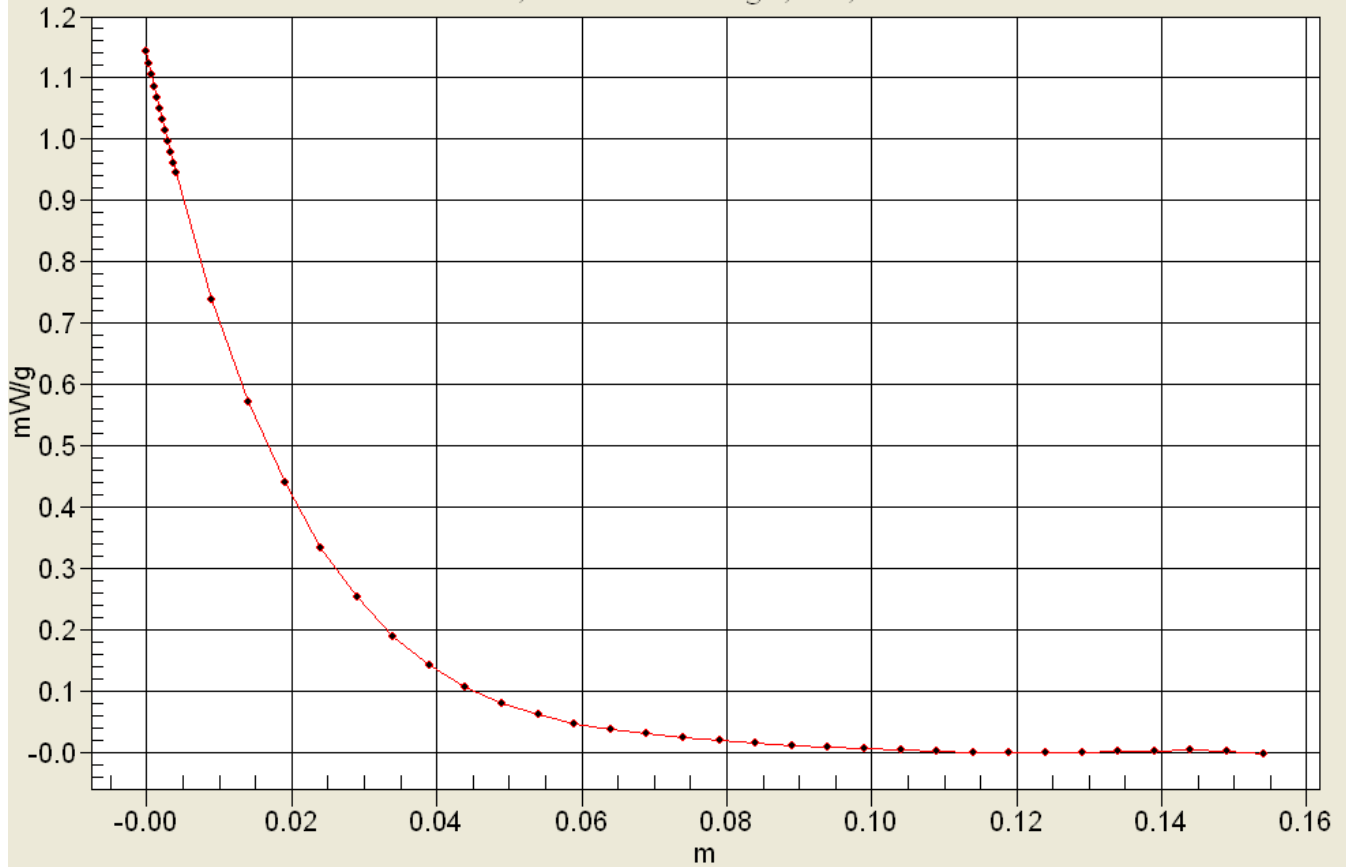
0 dB = 1.32mW/g



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

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



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Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 384, Closed**

Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-800 FLAT - Face Down Ch384/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.28 mW/g

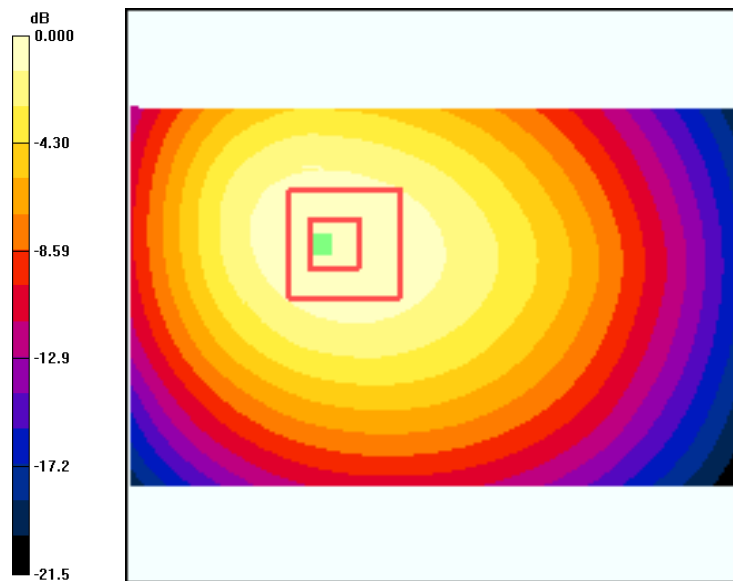
**CDMA-800 FLAT - Face Down Ch384/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.6 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.833 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.28mW/g

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FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 777, Closed**

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

Medium: M800, Medium parameters used (interpolated):  $f = 848.31$  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 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-800 FLAT Face Down Ch777/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.27 mW/g

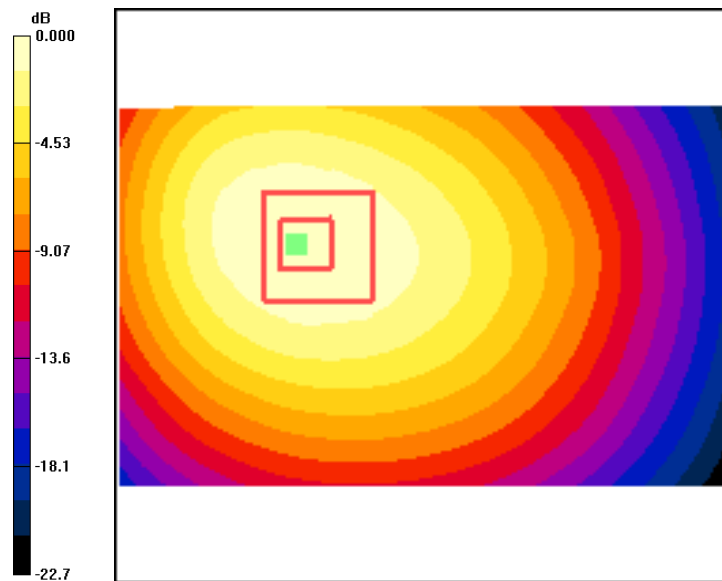
**CDMA-800 FLAT Face Down Ch777/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.5 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.845 mW/g**

Maximum value of SAR (measured) = 1.28 mW/g



0 dB = 1.27mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Up Ch. 1013, Closed**

Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:**

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

**CDMA-800 FLAT - Face Up Ch384/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.526 mW/g

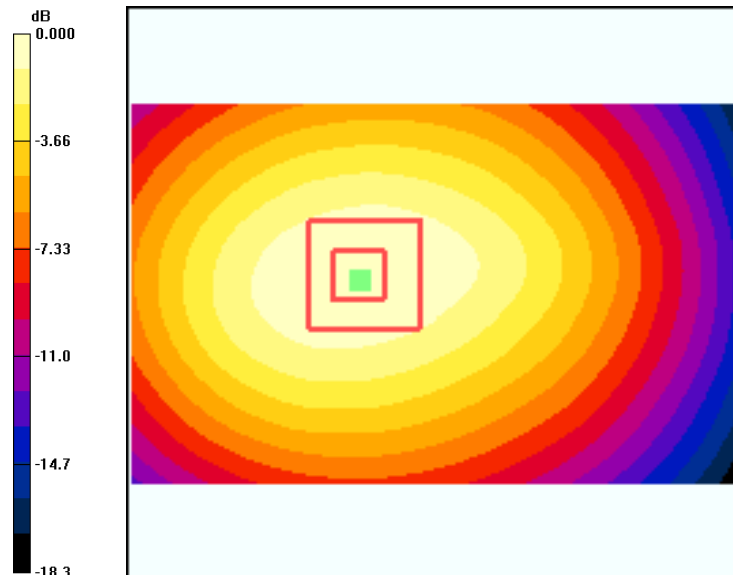
**CDMA-800 FLAT - Face Up Ch384/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.2 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 0.651 W/kg

**SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.356 mW/g**

Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.526mW/g

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FCC ID:	V65S2150
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Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 1013, Open**

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 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.12 mW/g

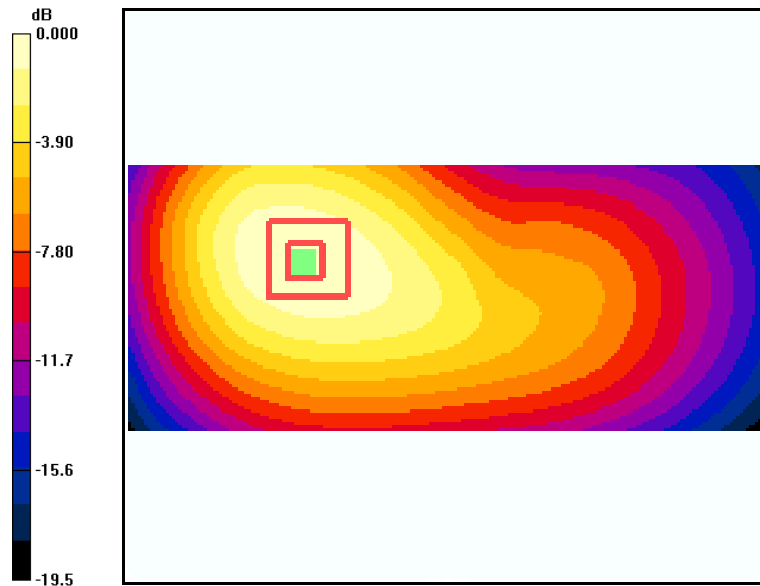
**CDMA-800 FLAT Face Down Ch1013/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.751 mW/g**

Maximum value of SAR (measured) = 1.12 mW/g



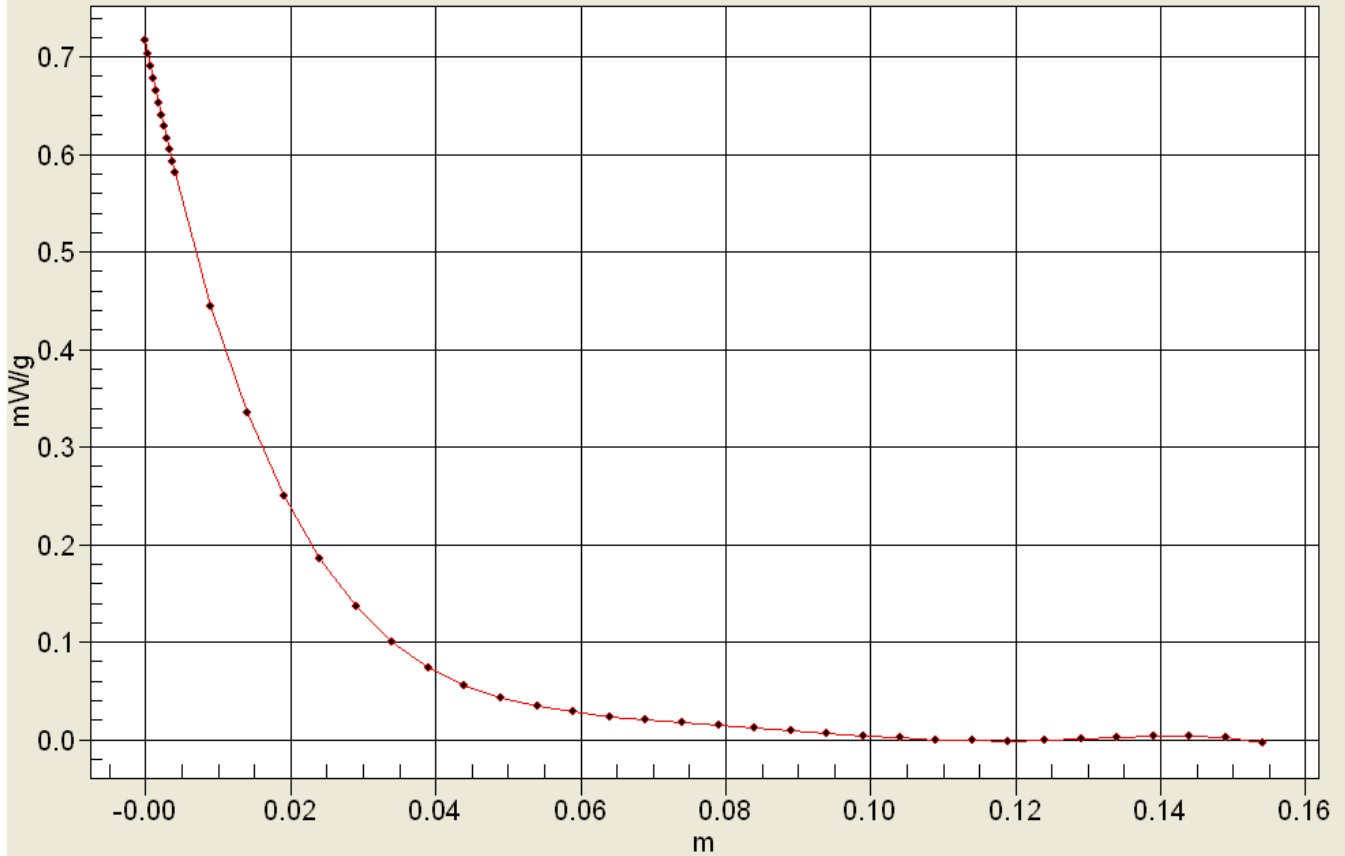
0 dB = 1.12mW/g



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

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





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Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 384, Open**

Communication System: CDMA-800, Frequency: 836.52 MHz, Duty Cycle: 1:1

Medium: M800, Medium parameters used (interpolated):  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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 Ch384/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

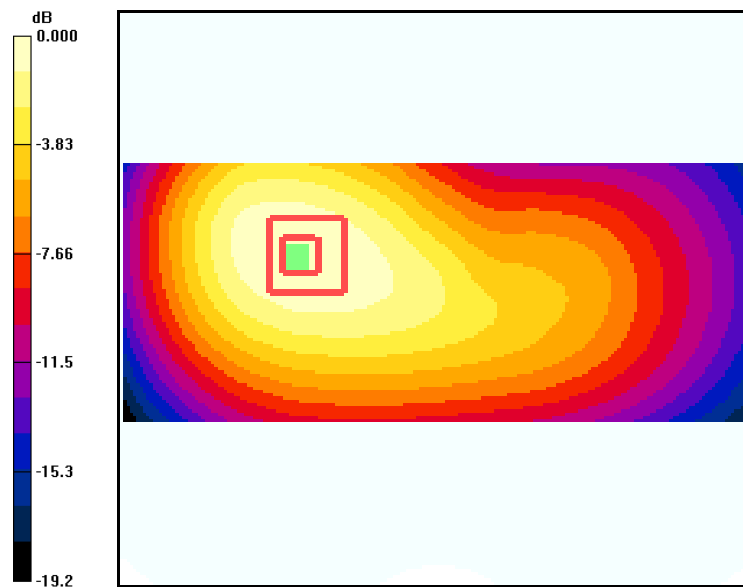
**CDMA-800 FLAT - Face Down Ch384/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.2 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.674 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g



0 dB = 1.00mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/05/2012

**FCC S2150 CELL Flat with 15mm Air Space, Face Down Ch. 777, Open**

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

Medium: M800, Medium parameters used (interpolated):  $f = 848.31$  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 - SN3036, ConvF(5.83, 5.83, 5.83), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/27/2011

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/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.16 mW/g

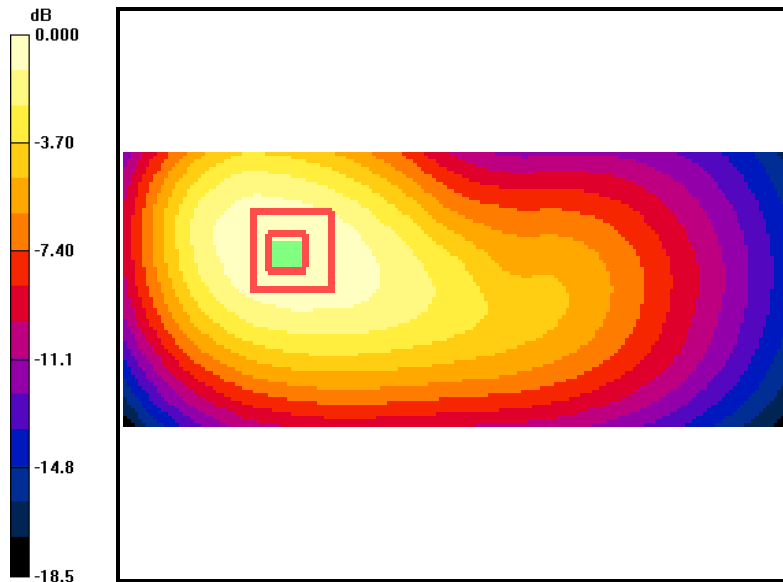
**CDMA-800 FLAT Face Down Ch777/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.5 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.768 mW/g**

Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.16mW/g

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## AWS

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/07/2012

**FCC S2150 AWS Flat with 15mm Air Space, Face Down Ch. 875, Closed**

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

Medium: M1700, Medium parameters used (interpolated):  $f = 1753.75$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/12/2012

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 Ch875/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.807 mW/g

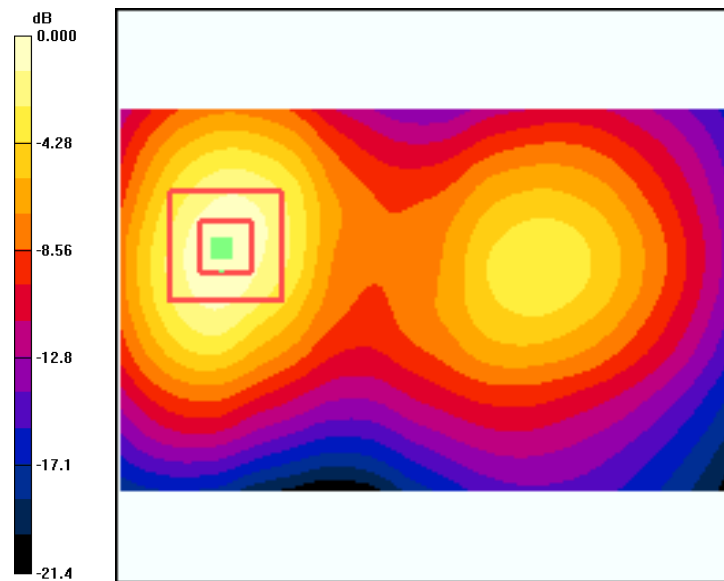
**CDMA-1700 FLAT Ch875/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.41 V/m; Power Drift = 0.054 dB

Peak SAR (extrapolated) = 1.18 W/kg

**SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.385 mW/g**

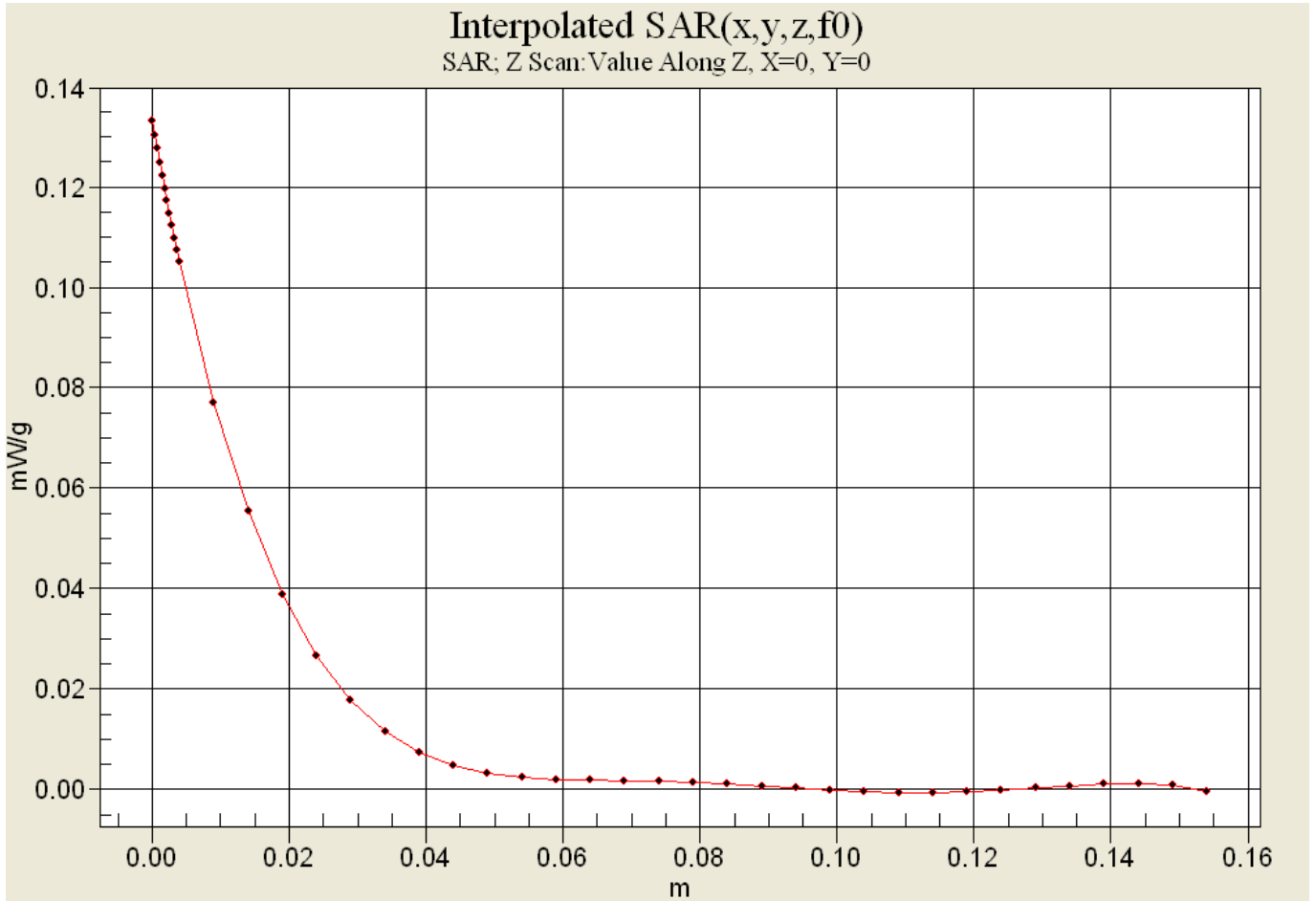
Maximum value of SAR (measured) = 0.771 mW/g



0 dB = 0.807mW/g



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Test Laboratory: Comptest/Kyocera

Date: 11/07/2012

**FCC S2150 AWS Flat with 15mm Air Space, Face Up Ch. 875, Closed**

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

Medium: M1700, Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/12/2012

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 Ch450/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.220 mW/g

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

Reference Value = 6.90 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.321 W/kg

**SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.218 mW/g

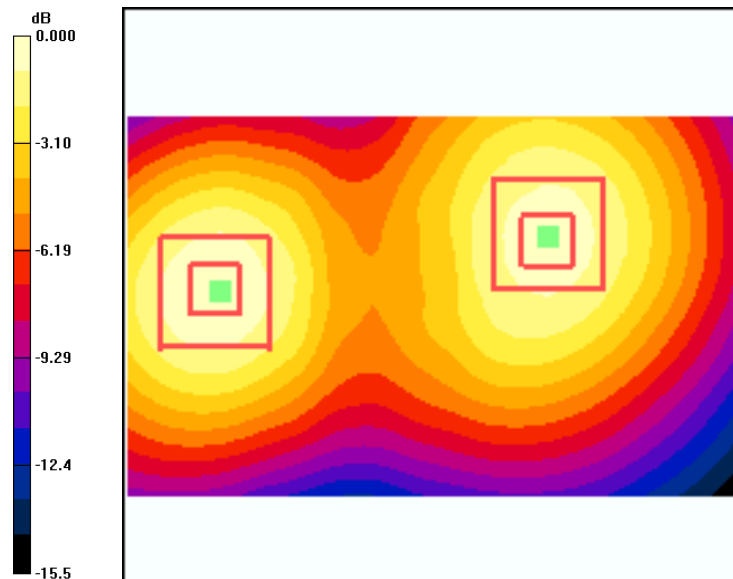
**CDMA-1700 FLAT - Face Up Ch450/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.90 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.275 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.119 mW/g**

Maximum value of SAR (measured) = 0.198 mW/g



0 dB = 0.220mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/07/2012

**FCC S2150 AWS Flat with 15mm Air Space, Face Down Ch. 875, Open**

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

Medium: M1700, Medium parameters used (interpolated):  $f = 1753.75$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.7, 4.7, 4.7), Calibrated: 5/29/2012

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

Electronics: DAE4 Sn603, Calibrated: 9/12/2012

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) = 0.416 mW/g

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

Reference Value = 12.8 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.575 W/kg

**SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.247 mW/g**

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

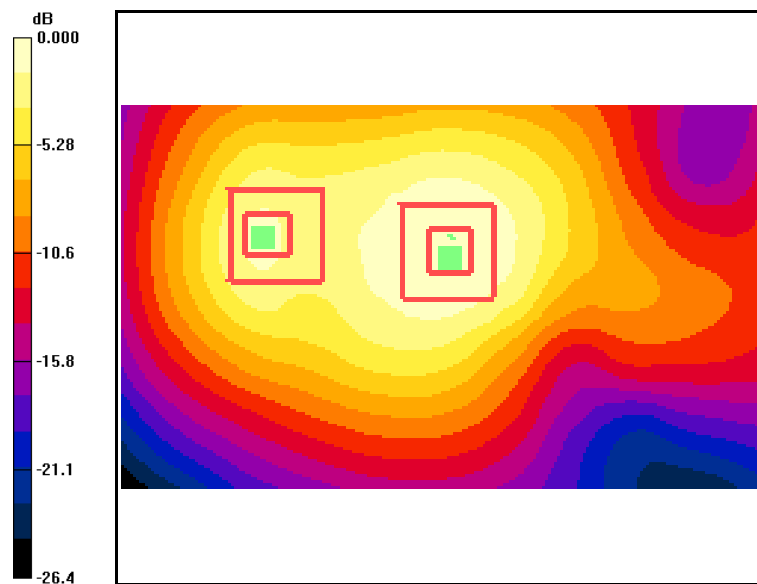
**CDMA-1700 FLAT - Face Down Ch875/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.490 W/kg

**SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.158 mW/g**

Maximum value of SAR (measured) = 0.308 mW/g



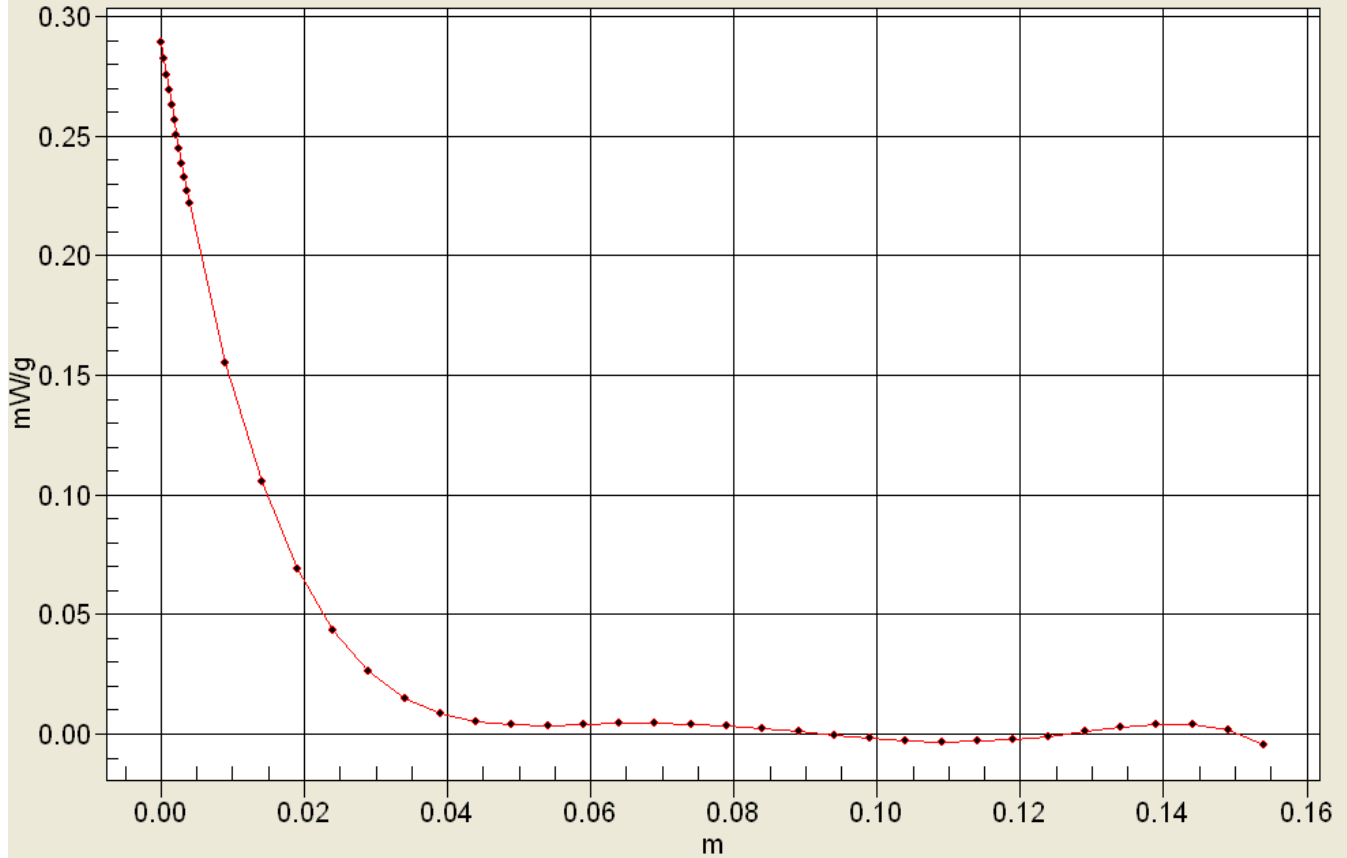
0 dB = 0.416mW/g



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

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







**COMPTEST**  
Services LLC

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## PCS

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 25, Closed**

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

Medium: M1800, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT Ch25 Face Down Closed/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

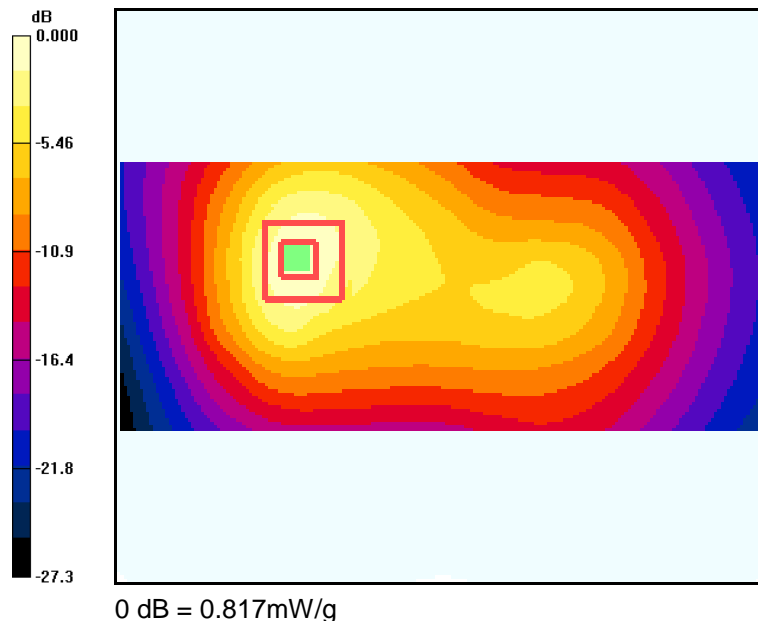
**CDMA-1900 FLAT Ch25 Face Down Closed/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.7 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.415 mW/g**

Maximum value of SAR (measured) = 0.804 mW/g



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Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 600, Closed**

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

Medium: M1800, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT - Face Down Ch600/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.941 mW/g

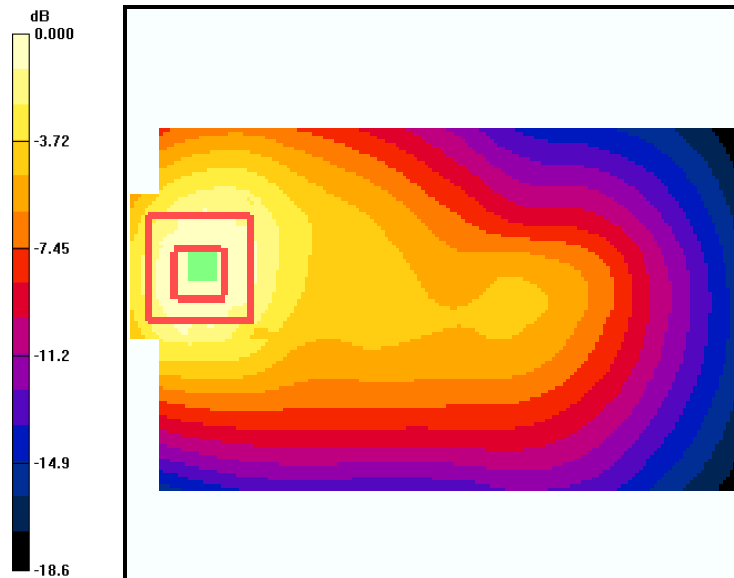
**CDMA-1900 FLAT - Face Down Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.8 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.529 mW/g**

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



0 dB = 0.941mW/g

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 1175, Closed**

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

Medium: M1800, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT Face Down Ch1175/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm

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

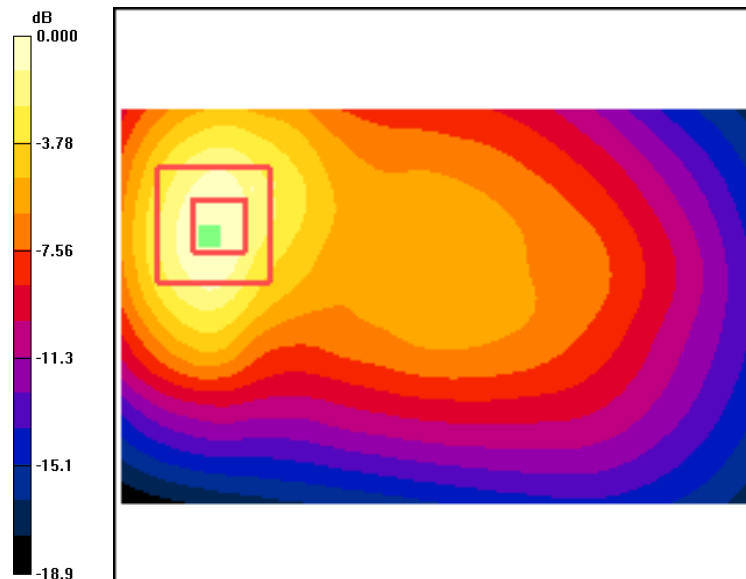
**CDMA-1900 FLAT Face Down Ch1175/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.7 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.604 mW/g**

Maximum value of SAR (measured) = 1.22 mW/g



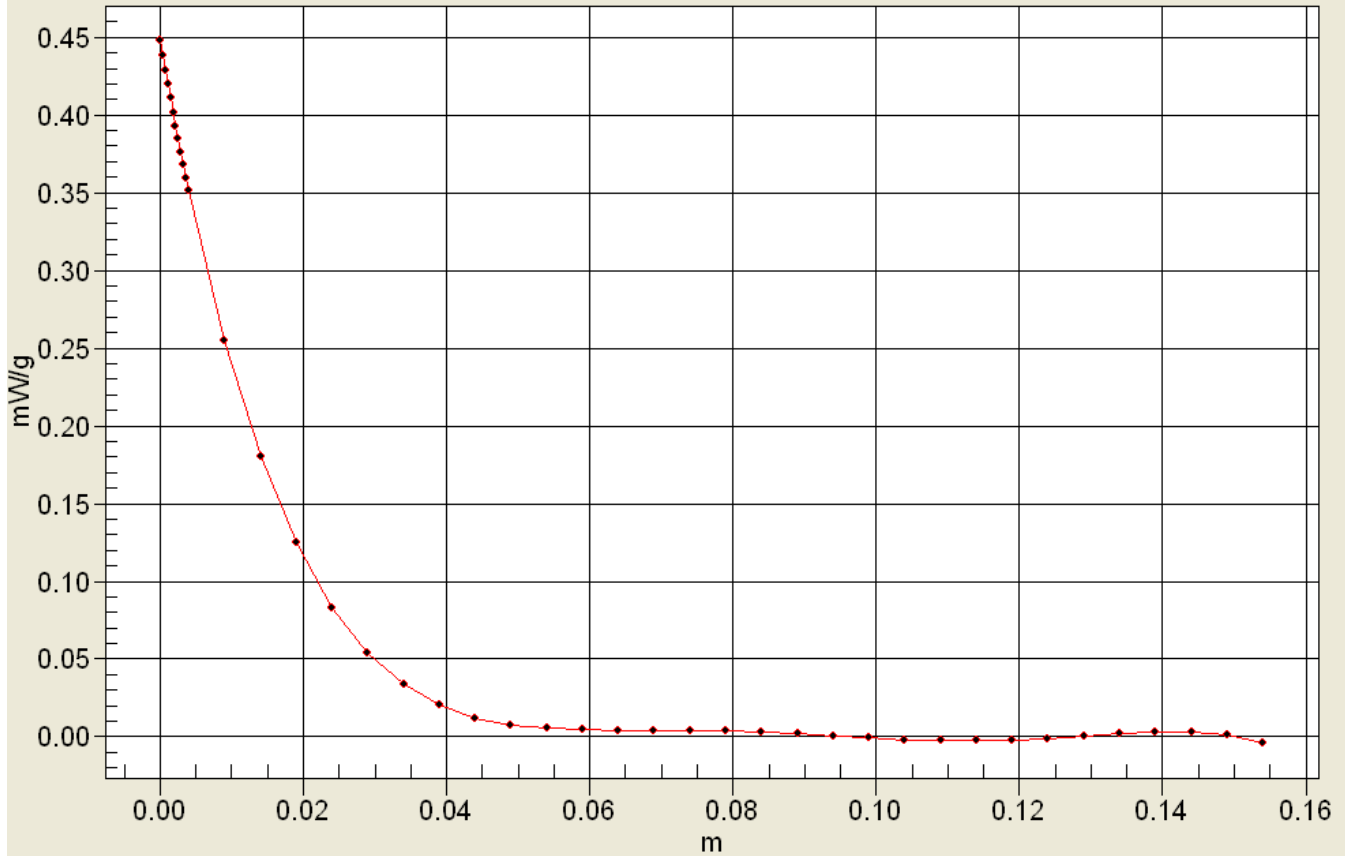
0 dB = 1.19mW/g



Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

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

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



Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Up Ch. 1175, Closed**

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

Medium: M1800, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT - Face Up Ch1175 Closed/Area Scan (51x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.293 mW/g

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

Reference Value = 7.27 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.375 W/kg

**SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.165 mW/g**

Maximum value of SAR (measured) = 0.285 mW/g

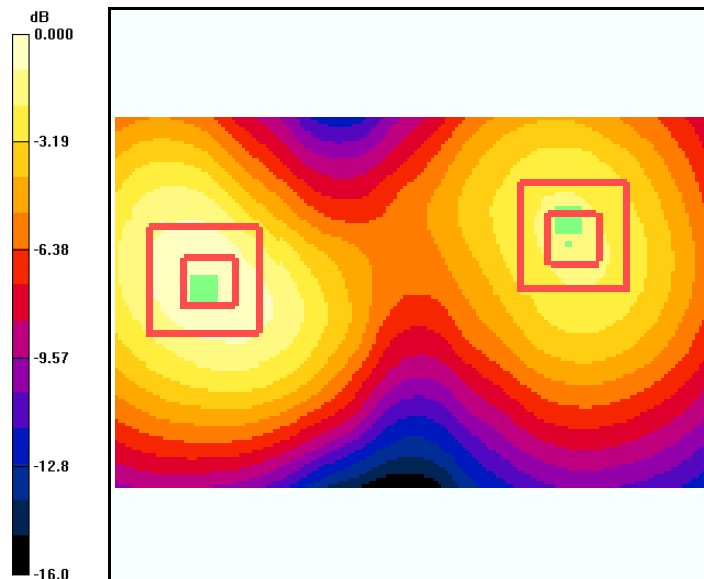
**CDMA-1900 FLAT - Face Up Ch1175 Closed/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.27 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.247 W/kg

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.120 mW/g**

Maximum value of SAR (measured) = 0.195 mW/g



0 dB = 0.293mW/g

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 25, Open**

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

Medium: M1800, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.57$  mho/m;  $\epsilon_r = 51.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT Ch25 Face Down/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.597 mW/g

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

Reference Value = 11.0 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.801 W/kg

**SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.293 mW/g**

Maximum value of SAR (measured) = 0.598 mW/g

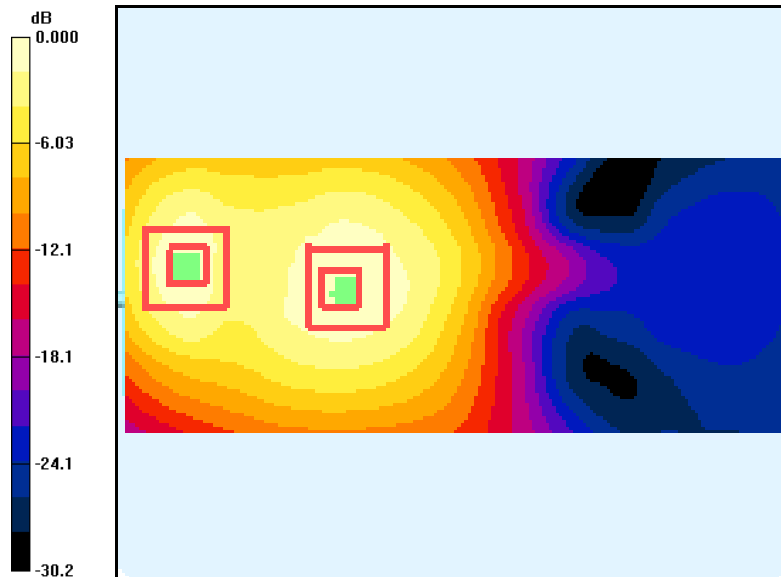
**CDMA-1900 FLAT Ch25 Face Down/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.0 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.597mW/g

Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 600, Open**

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

Medium: M1800, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT - Face Down Ch600/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.748 mW/g

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

Reference Value = 11.6 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.372 mW/g**

Maximum value of SAR (measured) = 0.760 mW/g

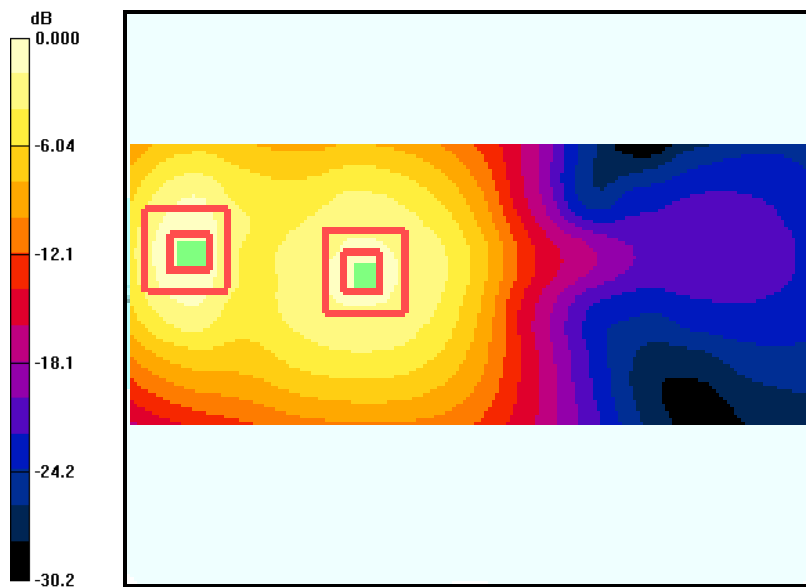
**CDMA-1900 FLAT - Face Down Ch600/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.624 W/kg

**SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.329 mW/g**

Maximum value of SAR (measured) = 0.524 mW/g



0 dB = 0.748mW/g



Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

Test Laboratory: Comptest/Kyocera

Date: 11/06/2012

**FCC S2150 PCS Flat with 15mm Air Space, Face Down Ch. 1175, Open**

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

Medium: M1800, Medium parameters used (interpolated):  $f = 1908.75 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 51.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1618, ConvF(4.42, 4.42, 4.42), 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 186

**Temperature:**

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

**CDMA-1900 FLAT Face Down Ch1175/Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

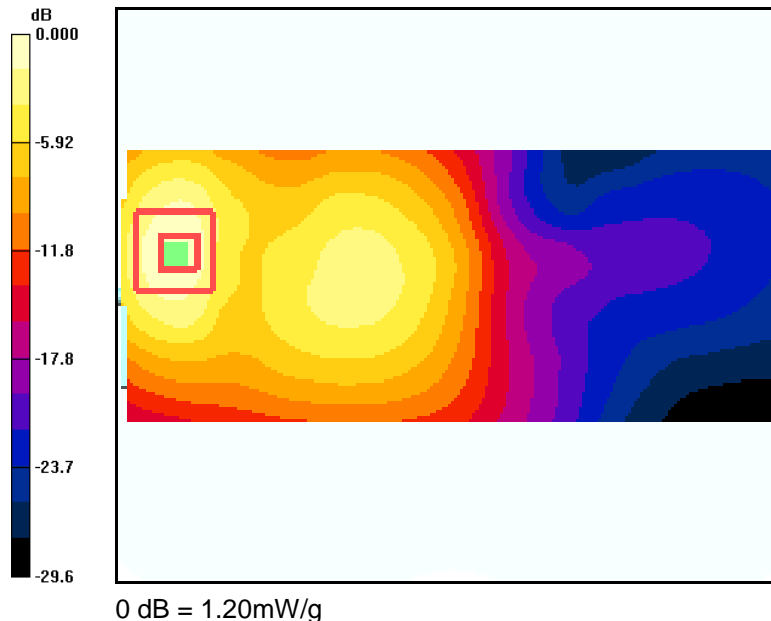
**CDMA-1900 FLAT Face Down Ch1175/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.079 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.589 mW/g**

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





Applicant	Kyocera
FCC ID:	V65S2150
Report #:	CT-S2150-9B2-1012-R0

**Interpolated SAR(x,y,z,f0)**  
SAR; Z Scan: Value Along Z, X=0, Y=0

