



Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

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

**CELL – BC10**

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/01/2011

**FCC E4233 CDMA-800 BC-10 Ch 580, Flat with 18mm Air Space, Face-Down**

Communication System: Cell BC-10 , Frequency: 820.5 MHz, Duty Cycle: 1:1  
 Medium: M800,Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12,Phantom section: Flat Section

**DASY4 Configuration:**

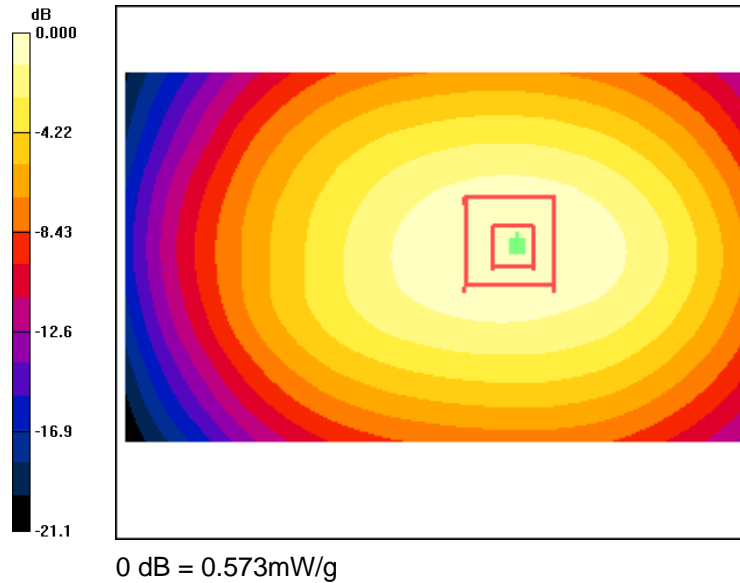
Probe: ES3DV3 - SN3078, ConvF(5.82, 5.82, 5.82), Calibrated: 7/14/2010  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn530,Calibrated: 5/5/2011  
 Measurement SW: DASY4, V4.7 Build 80  
 Postprocessing SW: SEMCAD, V1.8 Build 186  
**Temperature:**Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**CDMA-800 FLAT Face-Down Ch580 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.573 mW/g

**CDMA-800 FLAT Face-Down Ch580 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.7 V/m; Power Drift = -0.064 dB  
 Peak SAR (extrapolated) = 0.709 W/kg

**SAR(1 g) = 0.543 mW/g; SAR(10 g) = 0.400 mW/g**  
 Maximum value of SAR (measured) = 0.573 mW/g



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Date: 11/01/2011

**FCC E4233 CDMA-800 BC-10 Ch 580, Flat with 18mm Air Space, Face-Up**

Communication System: Cell BC-10 , Frequency: 820.5 MHz, Duty Cycle: 1:1  
 Medium: M800,Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  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 Sn530,Calibrated: 5/5/2011

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-Up Ch580 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.510 mW/g

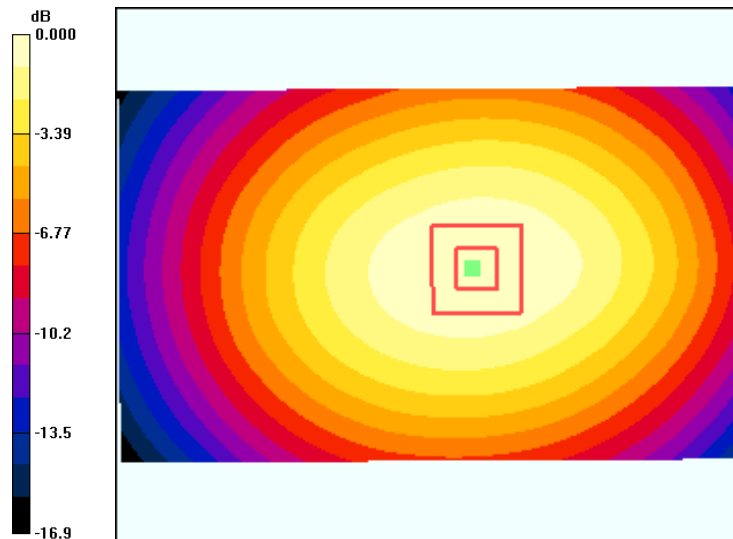
**CDMA-800 FLAT Face-Up Ch580 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.8 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 0.636 W/kg

**SAR(1 g) = 0.491 mW/g; SAR(10 g) = 0.363 mW/g**

Maximum value of SAR (measured) = 0.520 mW/g



0 dB = 0.520mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/01/2011

**FCC E4233 CDMA-800 BC-10 Ch 580, Flat with Holster, Face-Down**

Communication System: Cell BC-10 , Frequency: 820.5 MHz, Duty Cycle: 1:1  
 Medium: M800,Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  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 Sn530,Calibrated: 5/5/2011

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 Ch580 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.589 mW/g

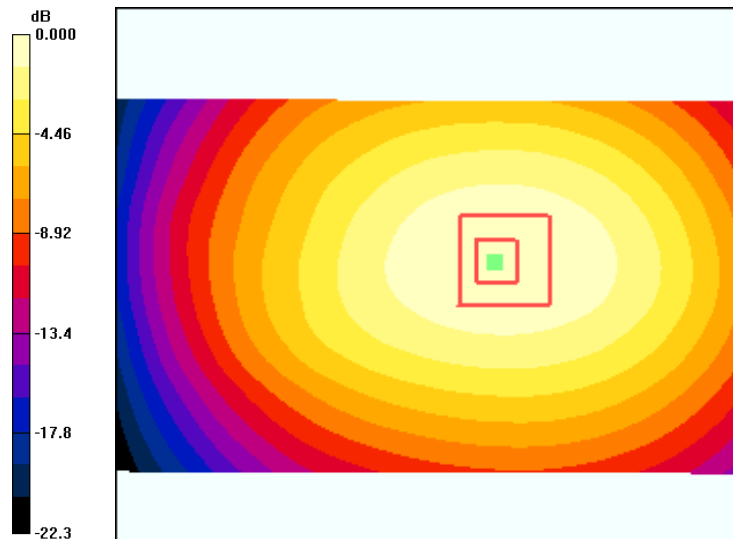
**CDMA-800 FLAT Face-Down Ch580 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 24.0 V/m; Power Drift = 0.082 dB

Peak SAR (extrapolated) = 0.716 W/kg

**SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.407 mW/g**

Maximum value of SAR (measured) = 0.585 mW/g

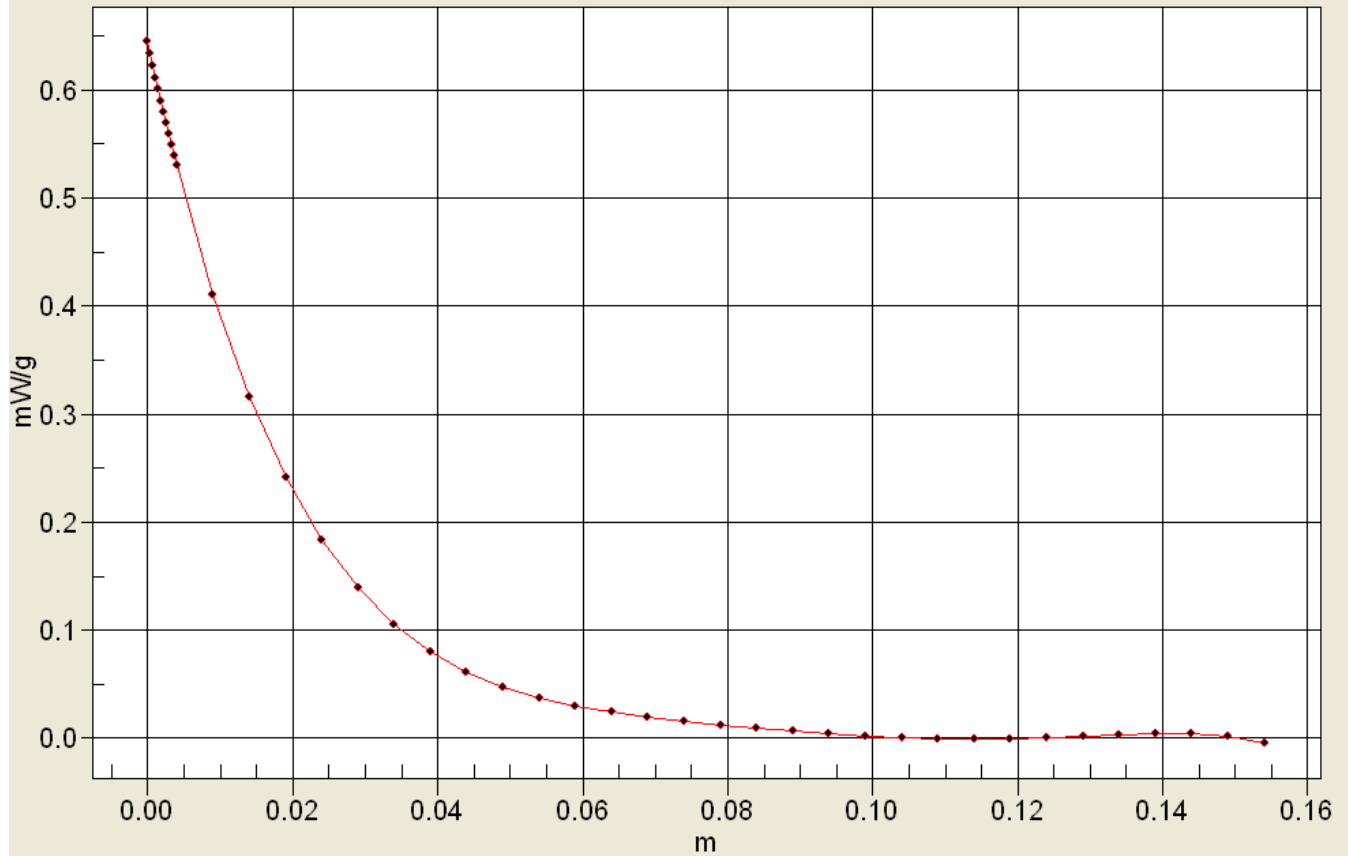


0 dB = 0.585mW/g



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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: 11/01/2011

**FCC E4233 CDMA-800 BC-10 Ch 580, Flat with Holster, Face-Up**

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

Medium: M800,Medium parameters used (interpolated):  $f = 820.5$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  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 Sn530,Calibrated: 5/5/2011

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-Up Ch580 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.533 mW/g

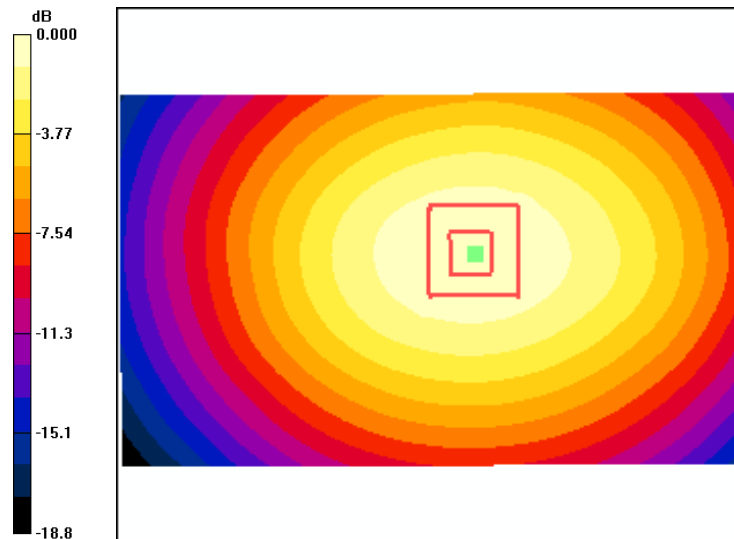
**CDMA-800 FLAT Face-Up Ch580 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.5 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 0.665 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.372 mW/g**

Maximum value of SAR (measured) = 0.539 mW/g



0 dB = 0.539mW/g



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## CELL – BC0

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/01/2011

**FCC E4233 CDMA-800 BC-0 Ch 384, Flat with 18mm Air Space, Face-Down**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(6.03, 6.03, 6.03), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.531 mW/g

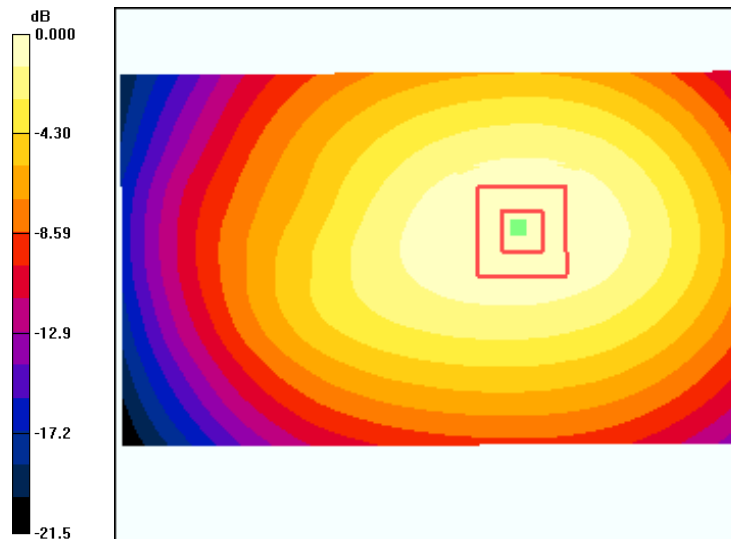
**CDMA-800 FLAT Face-Down Ch384 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.4 V/m; Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.641 W/kg

**SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.371 mW/g**

Maximum value of SAR (measured) = 0.535 mW/g



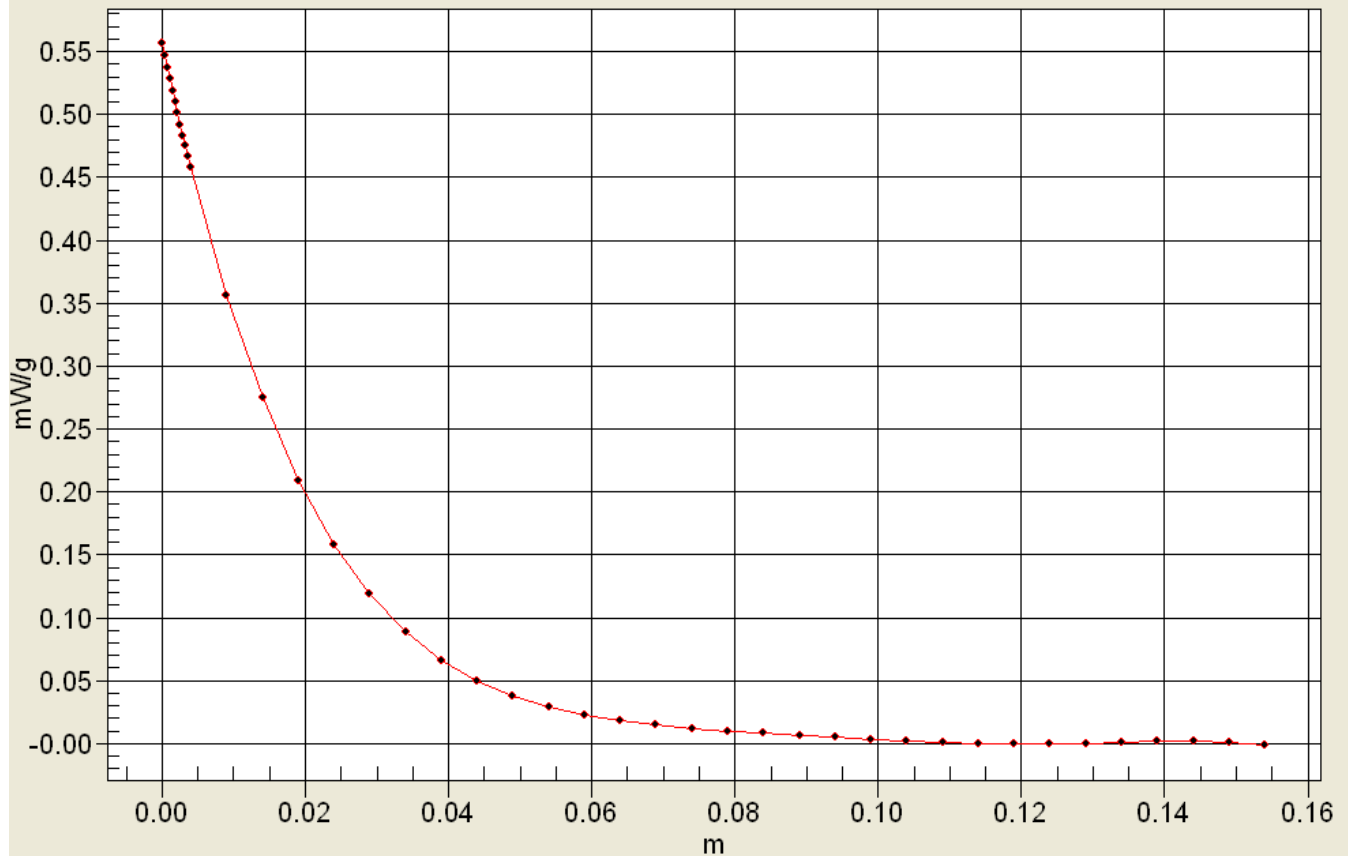
0 dB = 0.535mW/g





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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: 11/01/2011

**FCC E4233 CDMA-800 BC-0 Ch 384, Flat with 18mm Air Space, Face-Up**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(6.03, 6.03, 6.03), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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-Up Ch384 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.467 mW/g

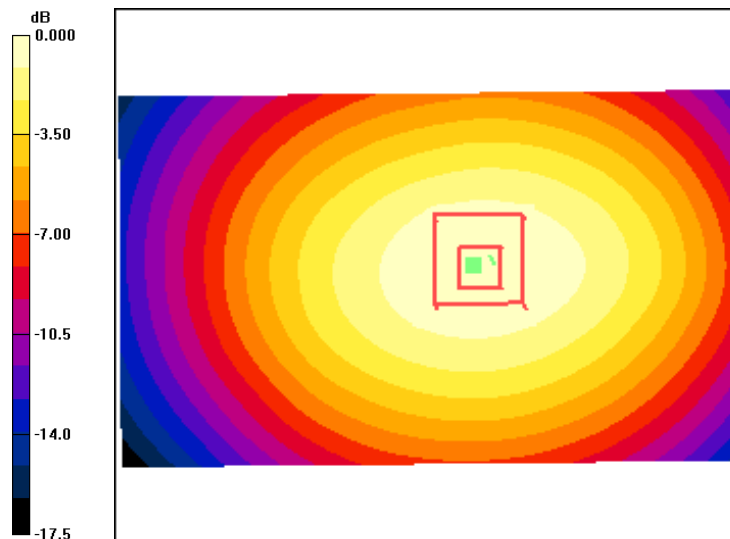
**CDMA-800 FLAT Face-Up Ch384 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.8 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 0.477 mW/g



0 dB = 0.477mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/01/2011

**FCC E4233 CDMA-800 BC-0 Ch 384, Flat with Holster, Face-Down**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(6.03, 6.03, 6.03), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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 SO32/Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.522 mW/g

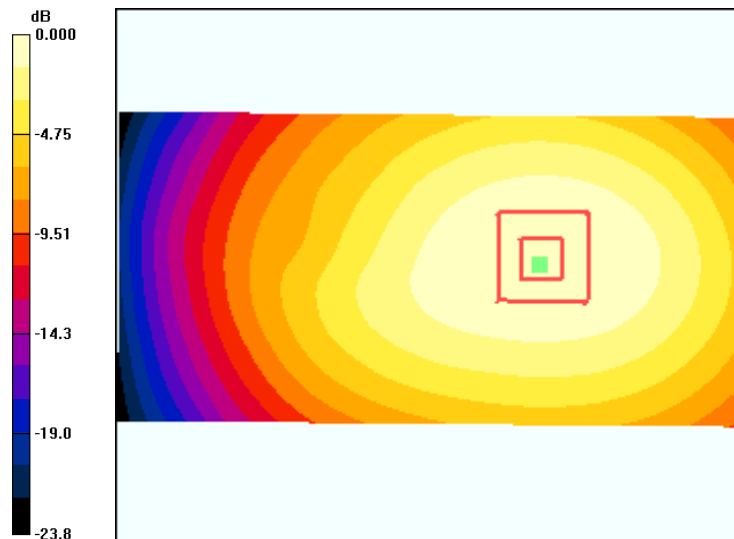
**CDMA-800 FLAT Face-Down Ch384 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.1 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.594 W/kg

**SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.355 mW/g**

Maximum value of SAR (measured) = 0.502 mW/g



0 dB = 0.502mW/g

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Test Laboratory: Comptest/Kyocera

Date: 11/01/2011

**FCC E4233 CDMA-800 BC-0 Ch 384, Flat with Holster, Face-Up**

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

Medium: M800, Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.93$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(6.03, 6.03, 6.03), Calibrated: 9/19/2011

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

Electronics: DAE4 Sn530, Calibrated: 5/5/2011

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-Up Ch384 SO32/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.518 mW/g

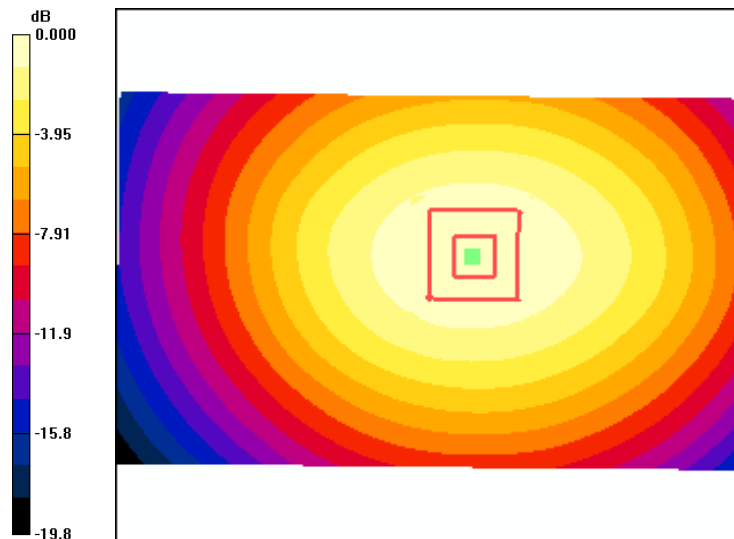
**CDMA-800 FLAT Face-Up Ch384 SO32/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.606 W/kg

**SAR(1 g) = 0.482 mW/g; SAR(10 g) = 0.354 mW/g**

Maximum value of SAR (measured) = 0.510 mW/g



0 dB = 0.510mW/g



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## PCS

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 10/31/2011

**FCC E4233 PCS Ch 25, Flat with 18mm Air Space, Face Down**

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

Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011

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-1900 FLAT - Face Down Ch25/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.11 mW/g

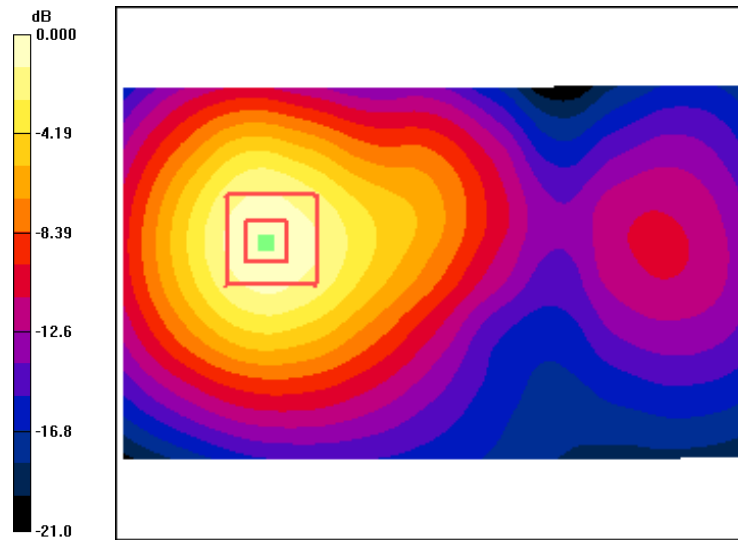
**CDMA-1900 FLAT - Face Down Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.42 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 1.53 W/kg

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

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



0 dB = 1.10mW/g

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Test Laboratory: Comptest/Kyocera

Date: 10/31/2011

**FCC E4233 PCS Ch 600, Flat with 18mm Air Space, Face Down**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011  
 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-1900 FLAT - Face Down Ch600/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.22 mW/g

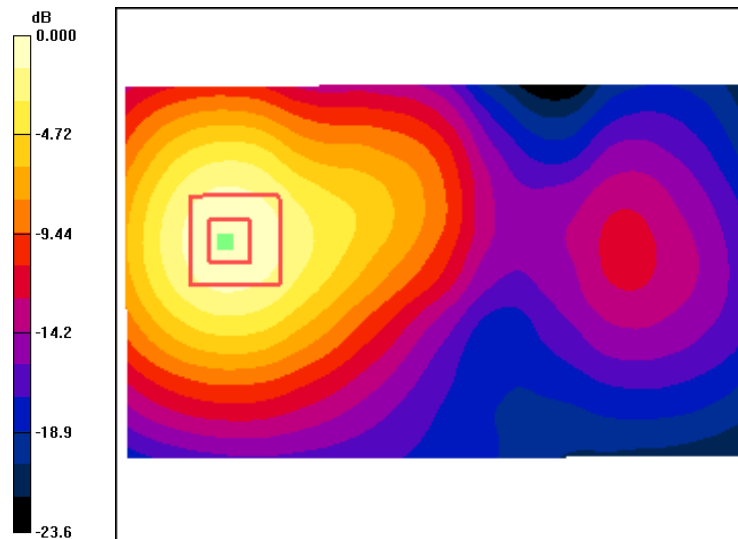
**CDMA-1900 FLAT - Face Down Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.57 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.669 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

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Test Laboratory: Comptest/Kyocera

Date: 10/31/2011

**FCC E4233 PCS Ch 1175, Flat with 18mm Air Space, Face Down**

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

Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011

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-1900 FLAT - Face Down Ch1175/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.12 mW/g

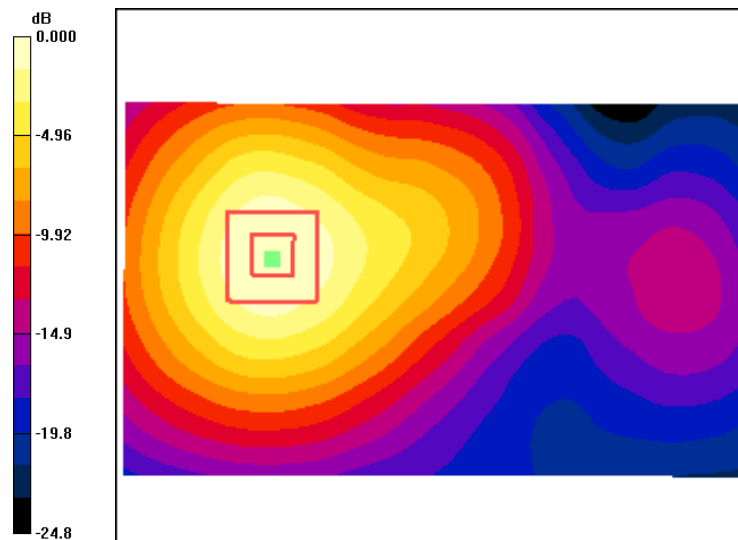
**CDMA-1900 FLAT - Face Down Ch1175/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.61 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 0.981 mW/g; SAR(10 g) = 0.594 mW/g**

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



0 dB = 1.07mW/g



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Test Laboratory: Comptest/Kyocera

Date: 10/31/2011

**FCC E4233 PCS Ch 600, Flat with 18mm Air Space, Face Up**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 51.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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 Sn530, Calibrated: 5/5/2011  
 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-1900 FLAT - Face Up Ch600/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.196 mW/g

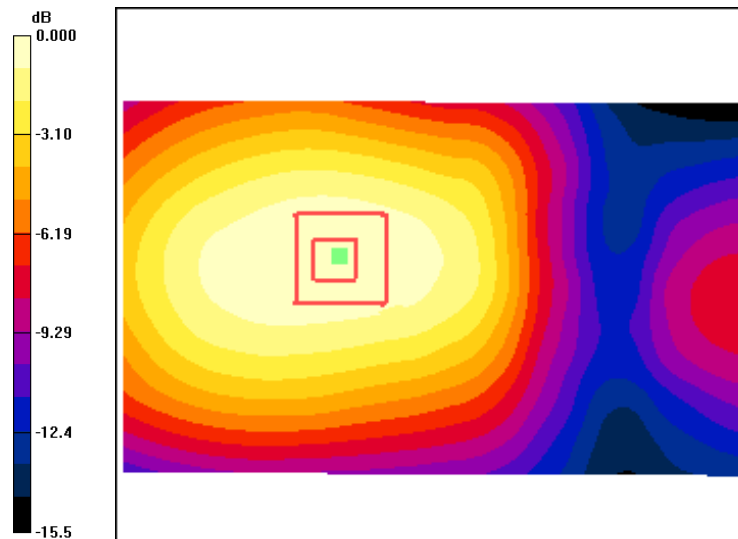
**CDMA-1900 FLAT - Face Up Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.91 V/m; Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.124 mW/g**

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



0 dB = 0.195mW/g

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Test Laboratory: Comptest/Kyocera

Date: 10/28/2011

**FCC E4233 PCS Ch 25, Flat with Holster, Face Down**

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

Medium: M1900, Medium parameters used (interpolated):  $f = 1851.25$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011

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-1900 FLAT Ch25/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.46 mW/g

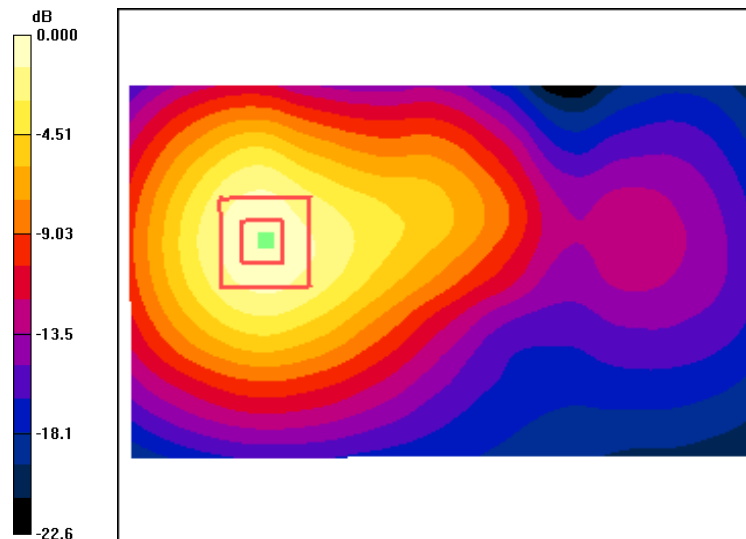
**CDMA-1900 FLAT Ch25/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.40 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.781 mW/g**

Maximum value of SAR (measured) = 1.41 mW/g

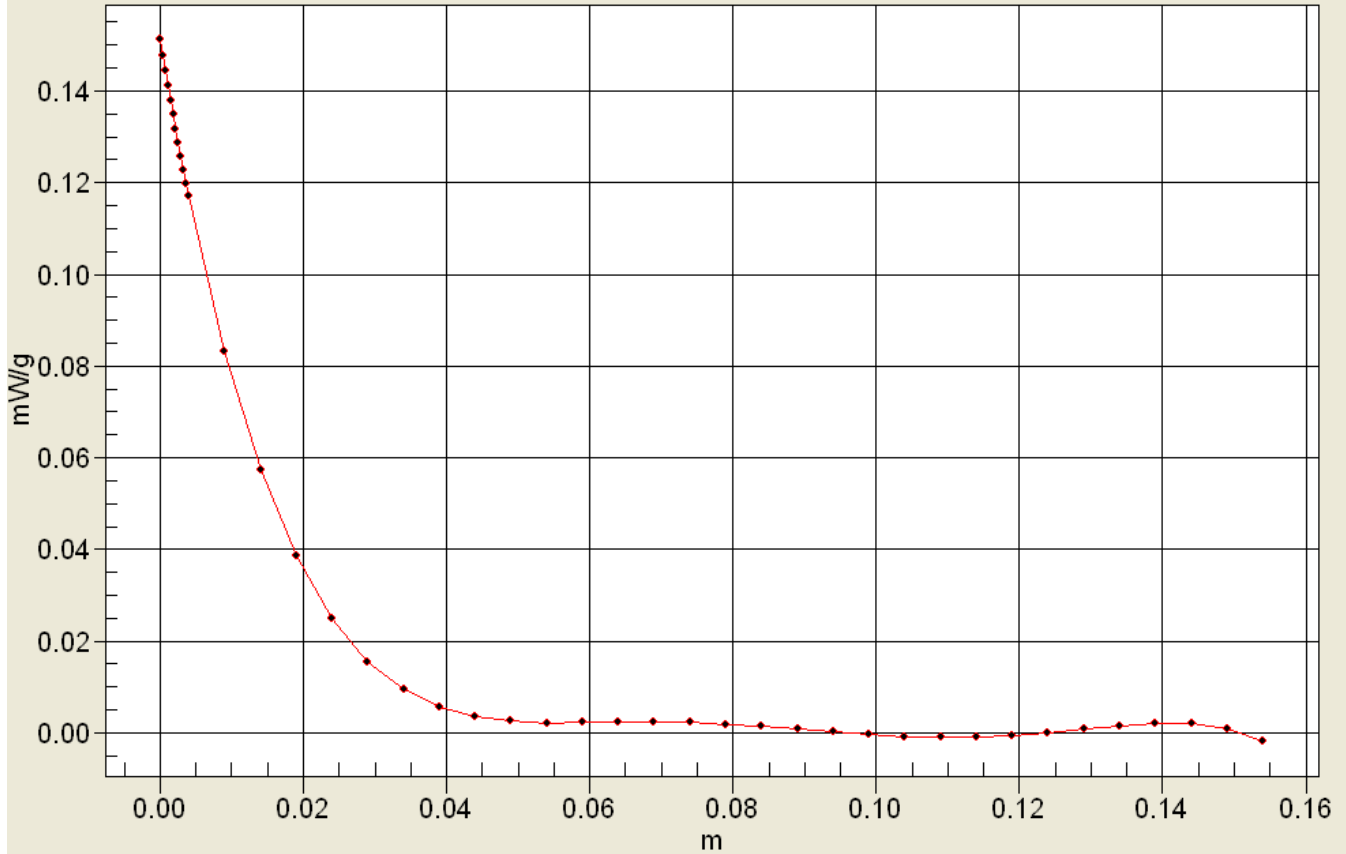


0 dB = 1.46mW/g



Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

**Interpolated SAR(x,y,z,f0)**  
SAR: Z Scan 2: Value Along Z, X=0, Y=0



Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 10/28/2011

**FCC E4233 PCS Ch 600, Flat with Holster, Face Down**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011  
 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-1900 FLAT - Face Down Ch600/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 1.31 mW/g

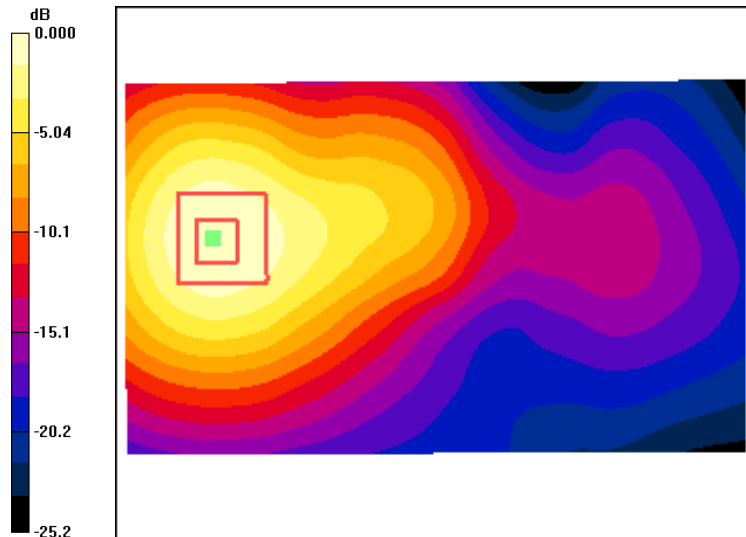
**CDMA-1900 FLAT - Face Down Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.75 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.691 mW/g**

Maximum value of SAR (measured) = 1.24 mW/g



0 dB = 1.24mW/g

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 10/28/2011

**FCC E4233 PCS Ch 1175, Flat with Holster, Face Down**

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

Medium: M1900, Medium parameters used (interpolated):  $f = 1908.75$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  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 Sn530, Calibrated: 5/5/2011

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-1900 FLAT Ch1175/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 1.04 mW/g

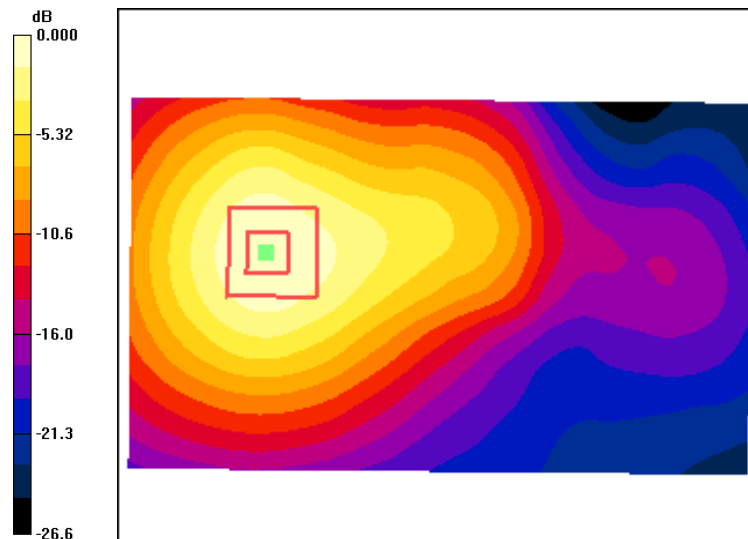
**CDMA-1900 FLAT Ch1175/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.48 V/m; Power Drift = 0.203 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.559 mW/g**

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



0 dB = 1.01mW/g

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 10/28/2011

**FCC E4233 PCS Ch 600, Flat with Holster, Face Up**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.52 \text{ mho/m}$ ;  $\epsilon_r = 51.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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 Sn530, Calibrated: 5/5/2011  
 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-1900 FLAT - Face Up Ch600/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.253 mW/g

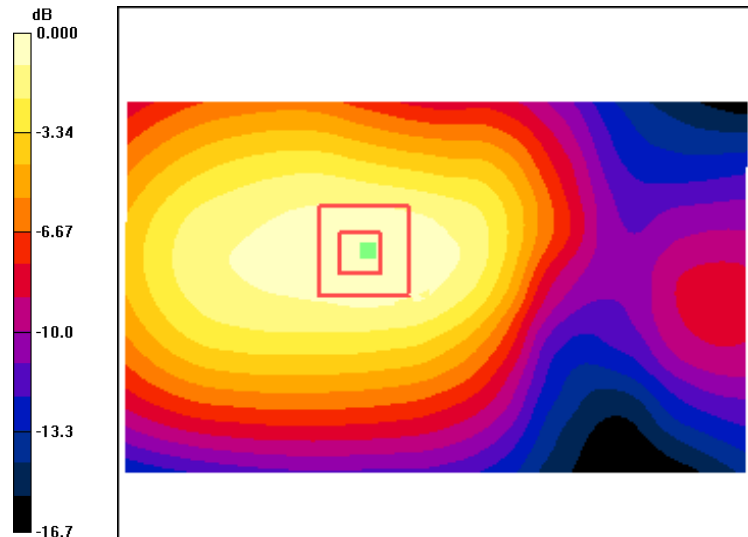
**CDMA-1900 FLAT - Face Up Ch600/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.85 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.255 mW/g



0 dB = 0.255mW/g

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/07/2011

**FCC E4233 CDMA 2450 Ch 0, Flat with 18mm Air Gap, Face Down**

Communication System: Bluetooth, Frequency: 2402 MHz, Duty Cycle: 1:1  
 Medium: M2450, Medium parameters used:  $f = 2400$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

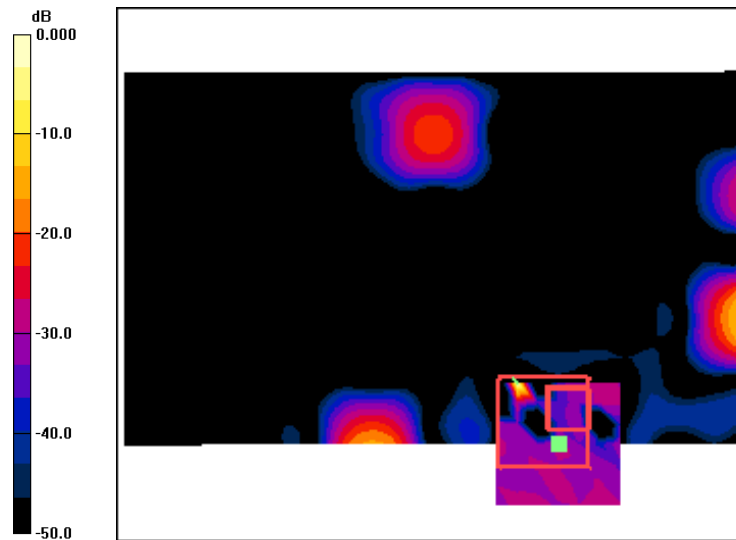
**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.16, 4.16, 4.16), Calibrated: 9/19/2011  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn530, Calibrated: 5/5/2011  
 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

**BT-2450 ch0 Face DOWN-18mm/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.095 mW/g

**BT-2450 ch0 Face DOWN-18mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 9.84 V/m; Power Drift = 0.024 dB  
 Peak SAR (extrapolated) = 0.624 W/kg  
**SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00679 mW/g**  
 Maximum value of SAR (measured) = 0.321 mW/g



0 dB = 0.321mW/g

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/07/2011

**FCC E4233 CDMA 2450 Ch 0, Flat with 18mm Air Gap, Face Up**

Communication System: Bluetooth, Frequency: 2402 MHz, Duty Cycle: 1:1  
 Medium: M2450, Medium parameters used:  $f = 2400$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

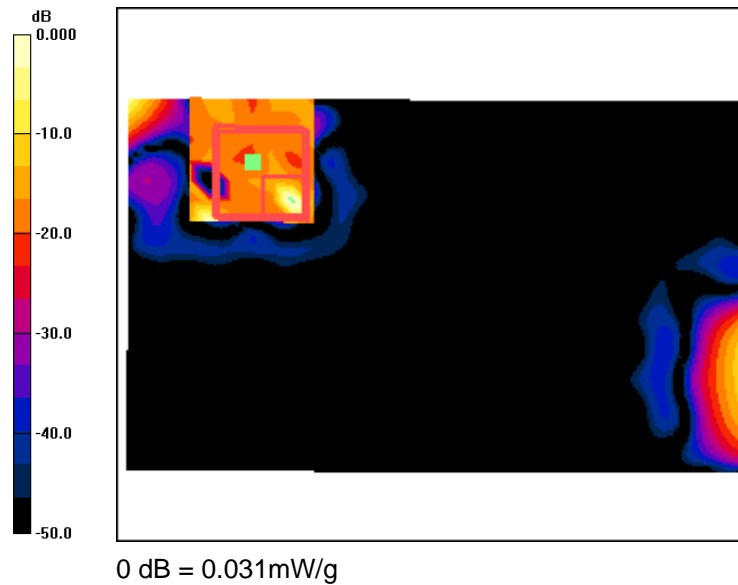
**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.16, 4.16, 4.16), Calibrated: 9/19/2011  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn530, Calibrated: 5/5/2011  
 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

**BT-2450 ch0 Face UP-18mm/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.031 mW/g

**BT-2450 ch0 Face UP-18mm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 0.332 V/m; Power Drift = 0.403 dB  
 Peak SAR (extrapolated) = 0.087 W/kg  
**SAR(1 g) = 0.00331 mW/g; SAR(10 g) = 0.00128 mW/g**  
 Maximum value of SAR (measured) = 0.087 mW/g





Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/07/2011

**FCC E4233 CDMA 2450 Ch 0, Flat with Holster, Face Down**

Communication System: Bluetooth, Frequency: 2402 MHz, Duty Cycle: 1:1  
 Medium: M2450, Medium parameters used:  $f = 2400$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

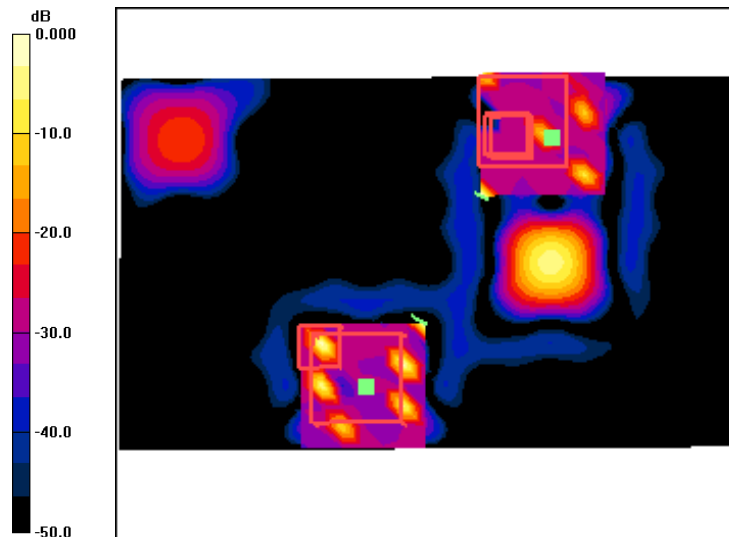
Probe: ES3DV3 - SN3078, ConvF(4.16, 4.16, 4.16), Calibrated: 9/19/2011  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn530, Calibrated: 5/5/2011  
 Measurement SW: DASY4, V4.7 Build 80  
 Postprocessing SW: SEMCAD, V1.8 Build 186

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

**BT-2450 ch0 Face DOWN-Holster/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.376 mW/g

**BT-2450 ch0 Face DOWN-Holster/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 0.523 V/m; Power Drift = 0.568 dB  
 Peak SAR (extrapolated) = 0.764 W/kg  
**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00427 mW/g**  
 Maximum value of SAR (measured) = 0.513 mW/g

**BT-2450 ch0 Face DOWN-Holster/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 0.523 V/m; Power Drift = 0.568 dB  
 Peak SAR (extrapolated) = 0.483 W/kg  
**SAR(1 g) = 0.00798 mW/g; SAR(10 g) = 0.00204 mW/g**  
 Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.483mW/g

Applicant	Kyocera
FCC ID:	V65E4233
Report #:	CT- E4233-9B2-1111-R0

Test Laboratory: Comptest/Kyocera

Date: 11/07/2011

**FCC E4233 CDMA 2450 Ch 0, Flat with Holster, Face Up**

Communication System: Bluetooth, Frequency: 2402 MHz, Duty Cycle: 1:1  
 Medium: M2450, Medium parameters used:  $f = 2400$  MHz;  $\sigma = 2.02$  mho/m;  $\epsilon_r = 50.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

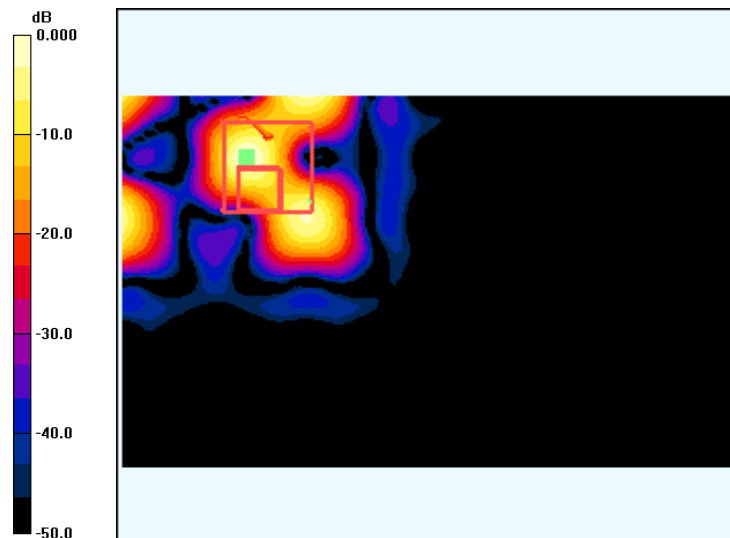
**DASY4 Configuration:**

Probe: ES3DV3 - SN3078, ConvF(4.16, 4.16, 4.16), Calibrated: 9/19/2011  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn530, Calibrated: 5/5/2011  
 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

**BT-2450 ch0 Face UP-Holster/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.021 mW/g

**BT-2450 ch0 Face UP-Holster/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 0.317 V/m; Power Drift = 2.44 dB  
 Peak SAR (extrapolated) = 0.242 W/kg  
**SAR(1 g) = 0.008 mW/g; SAR(10 g) = 0.00254 mW/g**  
 Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.021mW/g