



Applicant:	Kyocera
FCC ID:	V65SCP-6760
Report #:	CT-6760-9A-0709-R0

**EXHIBIT 9 APPENDIX A: SAR VALIDATION PLOTS**

Applicant:	Kyocera
FCC ID:	V65SCP-6760
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Date: 6/30/2009

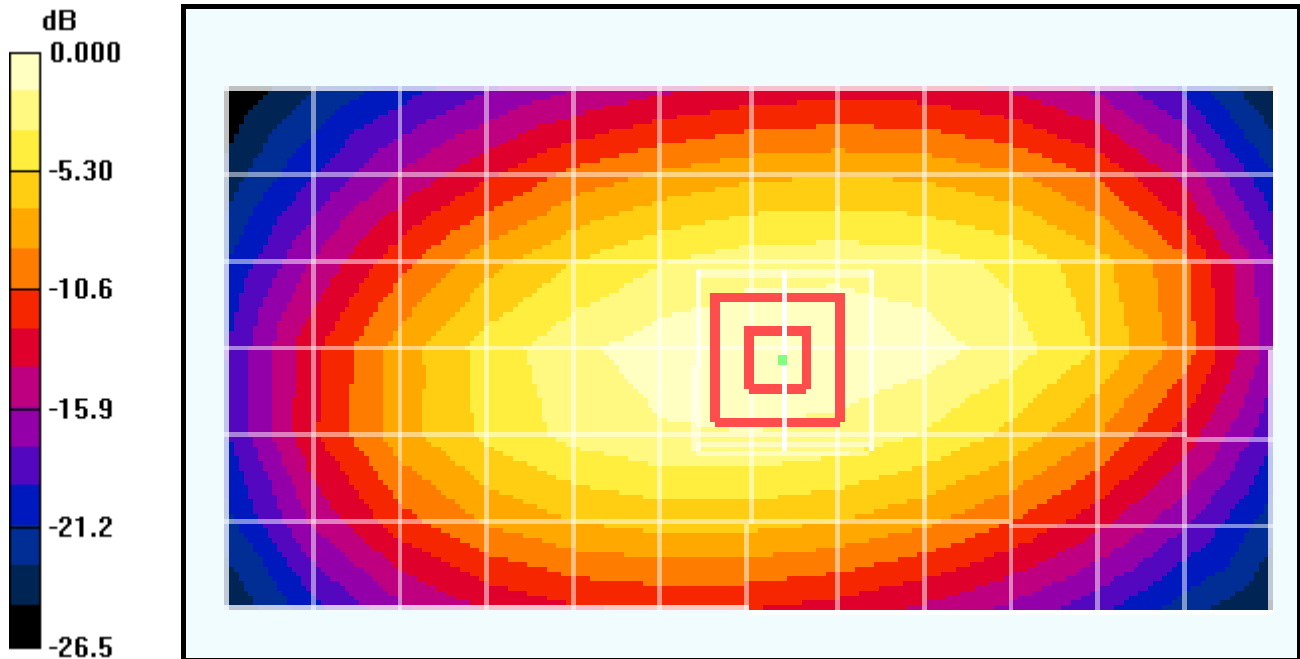
Test Laboratory: Comptest /Kyocera

**835MHz Validation @ 20dbm, Probe #3036, DAE#527, Dipole #467, 06-30-09**

Communication System: CDMA, Frequency: 835 MHz, Duty Cycle: 1:1  
 Medium: Head 835 MHz, Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 41.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section  
**DASY4 Configuration:**  
 Probe: ES3DV3 - SN3036, ConvF(6.09, 6.09, 6.09), Calibrated: 9/18/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn527, Calibrated: 8/14/2008  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:**  
 Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

**835MHz Validation/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 1.01 mW/g

**835MHz Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 34.7 V/m; Power Drift = -0.081 dB  
 Peak SAR (extrapolated) = 1.40 W/kg  
**SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.624 mW/g**  
 Maximum value of SAR (measured) = 1.03 mW/g



0 dB = 1.01mW/g

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Date: 7/2/2009

Test Laboratory: Comptest /Kyocera

**835MHz Validation @ 20dbm, Probe #3036, DAE#602, Dipole #467, 07-02-09**

Communication System: CDMA, Frequency: 835 MHz, Duty Cycle: 1:1  
 Medium: Head 835 MHz, Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.9 \text{ mho/m}$ ;  $\epsilon_r = 42$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(6.09, 6.09, 6.09), Calibrated: 9/18/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn602, Calibrated: 6/17/2009  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**835MHz Validation/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.939 mW/g

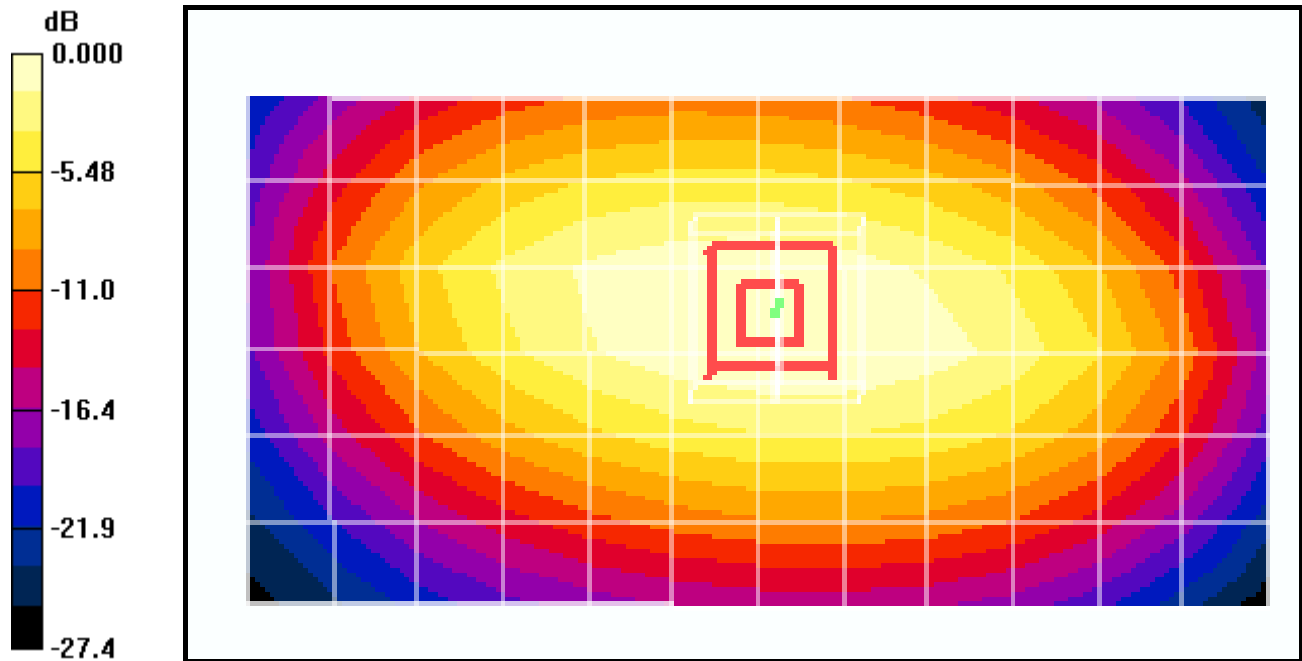
**835MHz Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.9 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.627 mW/g**

Maximum value of SAR (measured) = 1.04 mW/g



0 dB = 0.939mW/g

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Date: 7/1/2009

Test Laboratory: Comptest /Kyocera

**835MHz Validation (In Muscle) Probe 1663 DAE 675 Dipole #467, 070109**

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1  
 Medium: M800, Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 54.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ET3DV6 - SN1663, ConvF(6.25, 6.25, 6.25), Calibrated: 9/22/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn675, Calibrated: 4/29/2009  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**835MHz/Area Scan (7x13x1):** Measurement grid: dx=15mm, dy=15mm

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

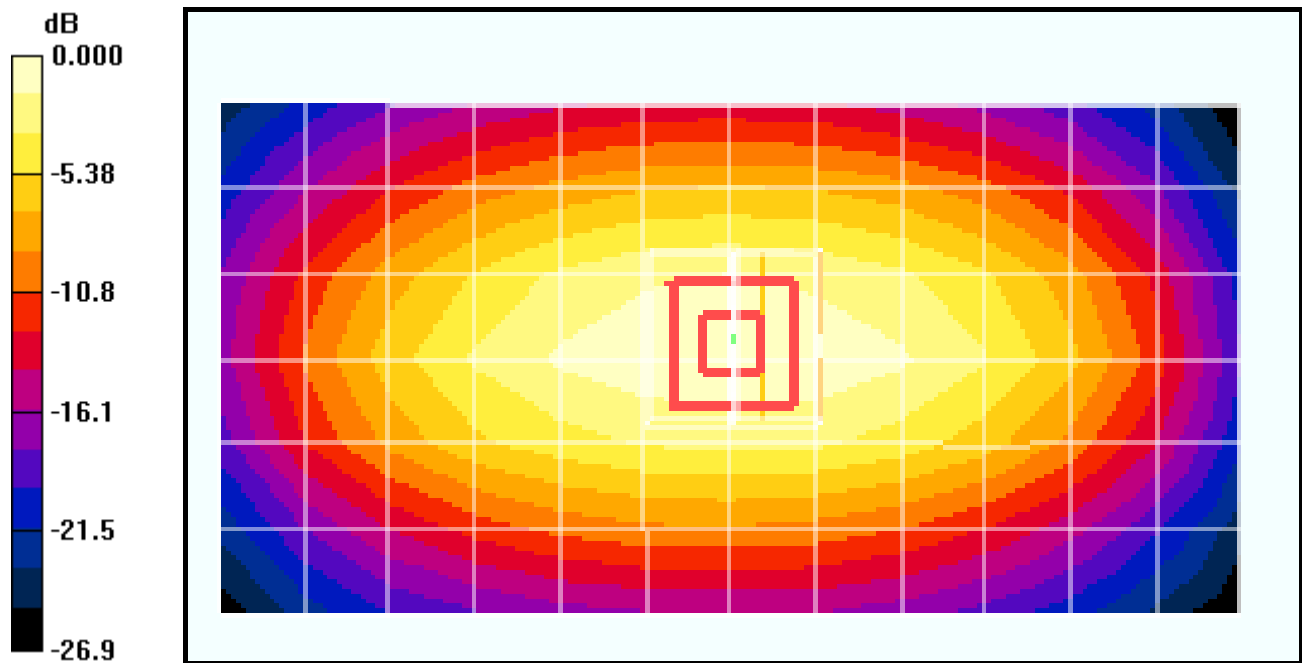
**835MHz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.0 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.624 mW/g**

Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.01mW/g

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Test Laboratory: Comptest /Kyocera

**1900MHz Validation @ 20dBm Probe 3035, DAE 493 and Dipole 5d016, 06-26-09**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1  
 Medium: HSL1900, Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(5.01, 5.01, 5.01), Calibrated: 8/25/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 9/17/2008  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**1900MHz Validation @20dBm/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.60 mW/g

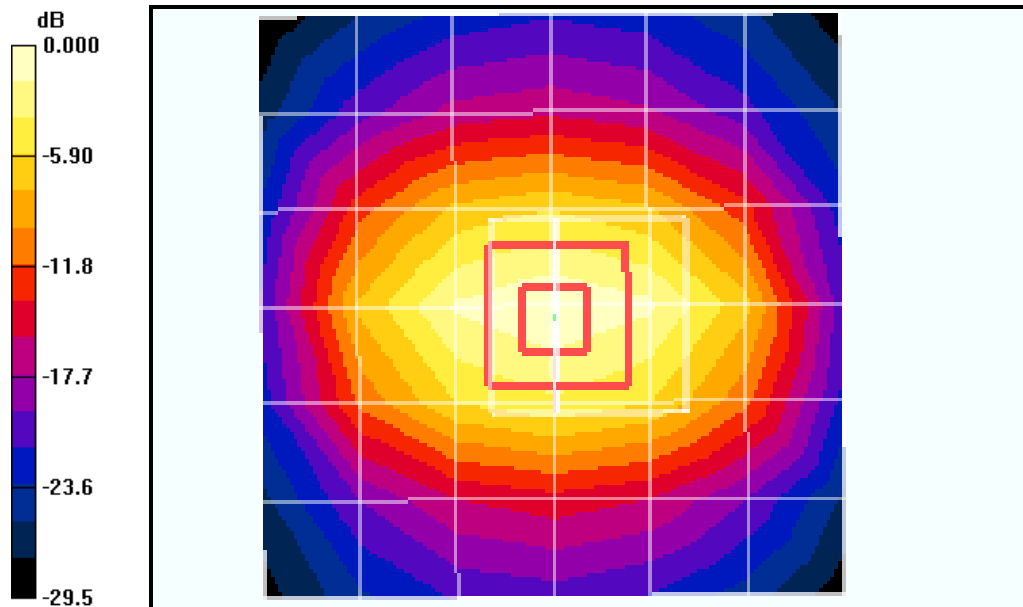
**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 58.2 V/m; Power Drift = -0.037 dB

Peak SAR (extrapolated) = 7.81 W/kg

**SAR(1 g) = 4.14 mW/g; SAR(10 g) = 2.15 mW/g**

Maximum value of SAR (measured) = 4.68 mW/g



0 dB = 4.60mW/g

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Date: 6/29/2009

Test Laboratory: Comptest /Kyocera

**1900MHz Validation @ 20dBm Probe 3035, DAE 493 and Dipole 5d016, 06-29-09**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1  
 Medium: HSL1900,Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12,Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(5.01, 5.01, 5.01), Calibrated: 8/25/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 9/17/2008  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**1900MHz Validation @20dBm/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.42 mW/g

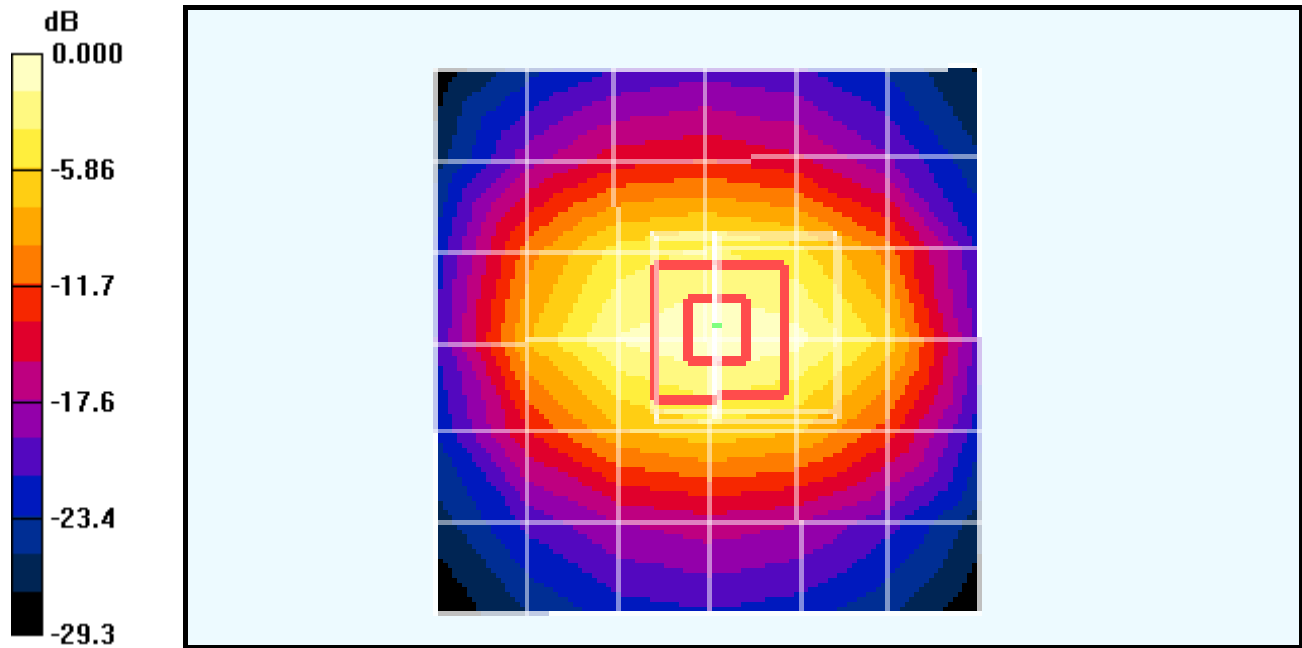
**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 57.4 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 7.67 W/kg

**SAR(1 g) = 4.09 mW/g; SAR(10 g) = 2.13 mW/g**

Maximum value of SAR (measured) = 4.60 mW/g



0 dB = 4.42mW/g

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Date: 7/7/2009

Test Laboratory: Comptest /Kyocera

**1900Mhz Validation @ 20dBm Probe 3035, DAE 493 and Dipole 5d016, 07-07-09**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1  
 Medium: HSL1900, Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.39$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3035, ConvF(5.01, 5.01, 5.01), Calibrated: 8/25/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE3 Sn493, Calibrated: 9/17/2008  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.1 V/m; Power Drift = -0.077 dB

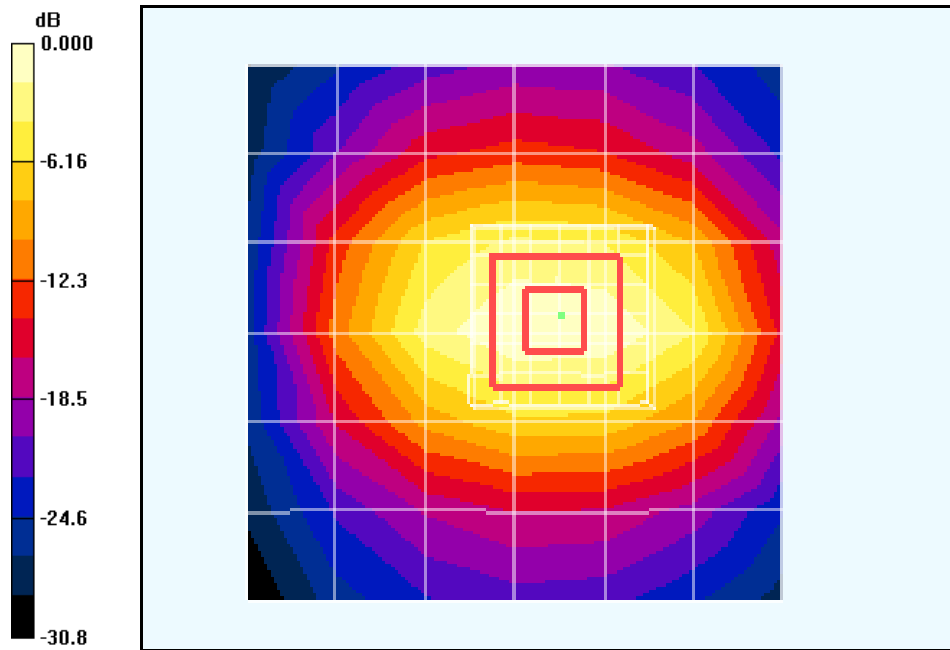
Peak SAR (extrapolated) = 7.64 W/kg

**SAR(1 g) = 4.06 mW/g; SAR(10 g) = 2.1 mW/g**

Maximum value of SAR (measured) = 4.57 mW/g

**1900MHz Validation @20dBm/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.09 mW/g



0 dB = 4.09mW/g

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Test Laboratory: Comptest /Kyocera

**1900MHz Validation (In Muscle) Probe 1618, DAE 675 and Dipole 5d016, 06-30-09**

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1  
 Medium: M1900, Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

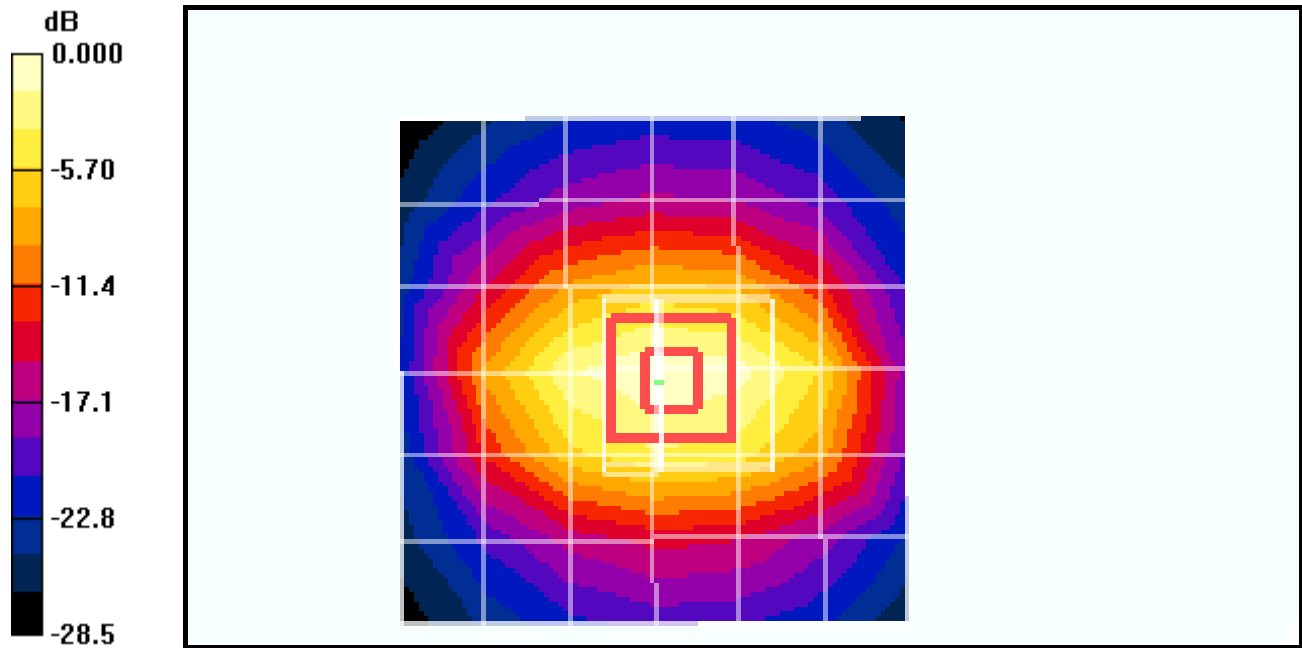
Probe: ET3DV6 - SN1618, ConvF(4.57, 4.57, 4.57), Calibrated: 8/25/2008  
 Sensor-Surface: 4mm (Mechanical Surface Detection),  
 Electronics: DAE4 Sn675, Calibrated: 4/29/2009  
 Measurement SW: DASY4, V4.7 Build 71  
 Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:**

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

**1900Mhz/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (measured) = 4.31 mW/g

**1900Mhz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
 Reference Value = 56.3 V/m; Power Drift = -0.092 dB  
 Peak SAR (extrapolated) = 7.15 W/kg  
**SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.16 mW/g**  
 Maximum value of SAR (measured) = 4.45 mW/g



0 dB = 4.31mW/g