

Applicant:	Kyocera
FCC ID:	V65S1360
Report #:	CT- S1360-9A-0513

**EXHIBIT 9 APPENDIX A: SAR VALIDATION PLOTS****Validation for HEAD**

Applicant:	Kyocera
FCC ID:	V65S1360
Report #:	CT- S1360-9A-0513

Test Laboratory: Comptest/Kyocera

Date: 04/30/2013

**1900Mhz Validation @ 20dBm Probe 1618, DAE 530 and Dipole 5d016**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

 Medium: HSL1900, Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 38.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM\_4, Phantom section: Flat 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 Sn530, Calibrated: 5/30/2012

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

**Temperature:** Room T = 21.8 000 1 deg C, Liquid T = 22.0 000 1 deg C

**1900MHz Validation @20dBm/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 4.99 mW/g

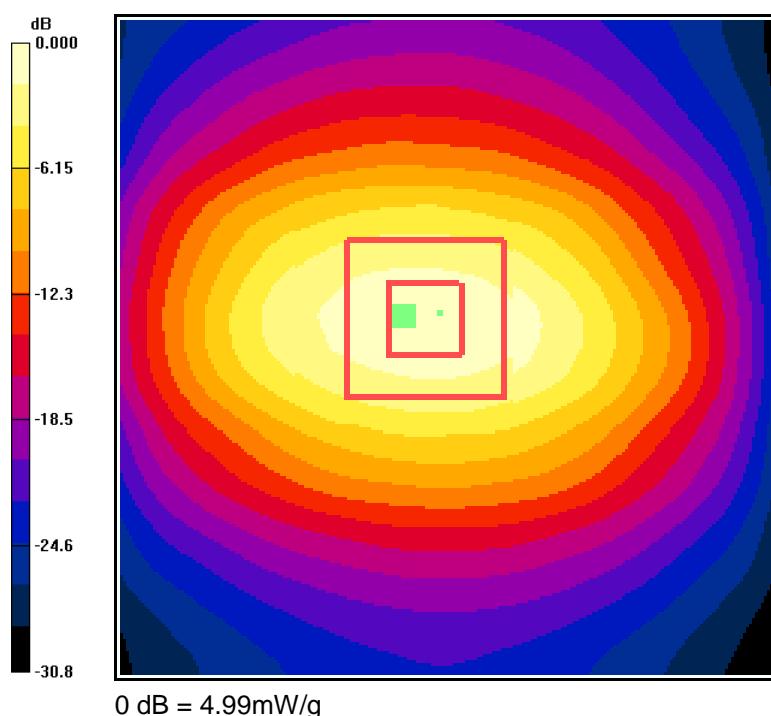
**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 56.9 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 6.46 W/kg

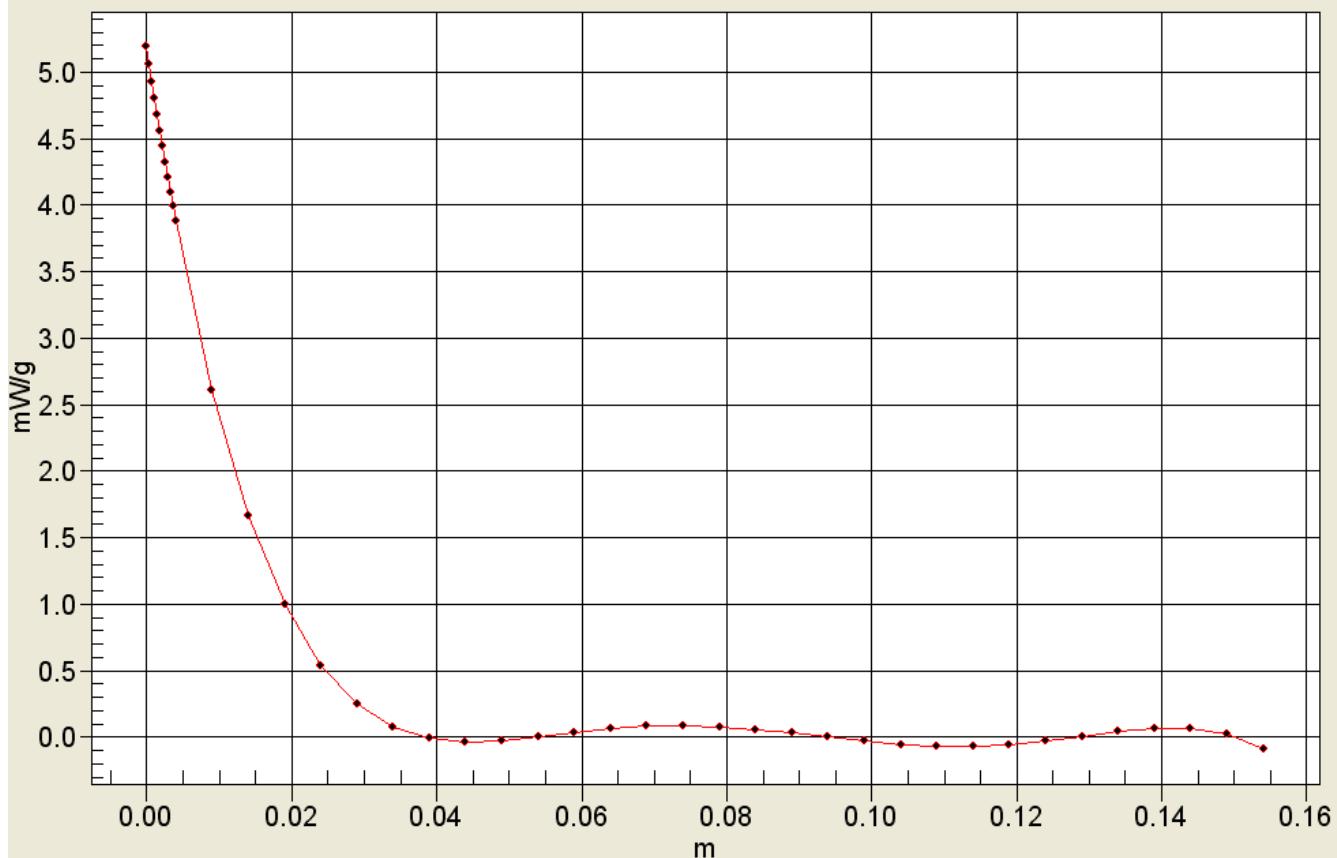
**SAR(1 g) = 3.94 mW/g; SAR(10 g) = 2.11 mW/g**

Maximum value of SAR (measured) = 4.41 mW/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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## Validation for BODY

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Test Laboratory: Comptest/Kyocera

Date: 05/01/2013

**1900Mhz Validation (Muscle) @ 20dBm Probe 3036, DAE 603 and Dipole 5d016**

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1

 Medium: M1900, Medium parameters used (interpolated):  $f = 1900$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 51.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom: SAM 12, Phantom section: Flat Section

**DASY4 Configuration:**

Probe: ES3DV3 - SN3036, ConvF(4.47, 4.47, 4.47), 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

**1900MHz Validation @20dBm/Area Scan (61x61x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 5.29 mW/g

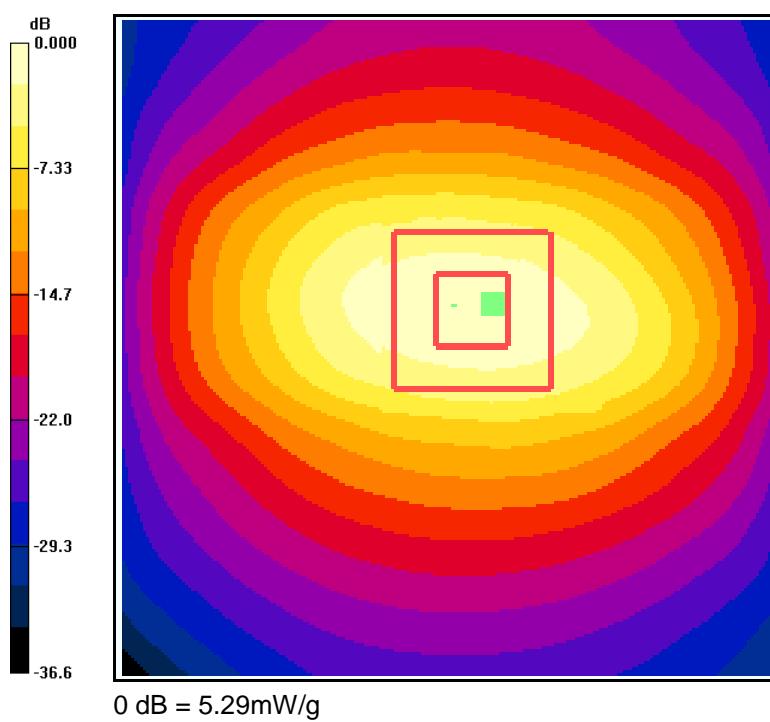
**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 51.1 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 7.72 W/kg

**SAR(1 g) = 4.26 mW/g; SAR(10 g) = 2.23 mW/g**

Maximum value of SAR (measured) = 4.80 mW/g



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

