Date: 9/25/2009

Test Laboratory: Kyocera Wireless Corporation

835MHz Validation @ 20dbm, Probe #3078, DAE#602, Dipole #467

Communication System: CDMA, Frequency: 835 MHz, Duty Cycle: 1:1
Medium: Head 835 MHz,Medium parameters used: f = 835 MHz; σ = 0.88 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3078, ConvF(5.68, 5.68, 5.68), Calibrated: 6/22/2009
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 (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.05 mW/g

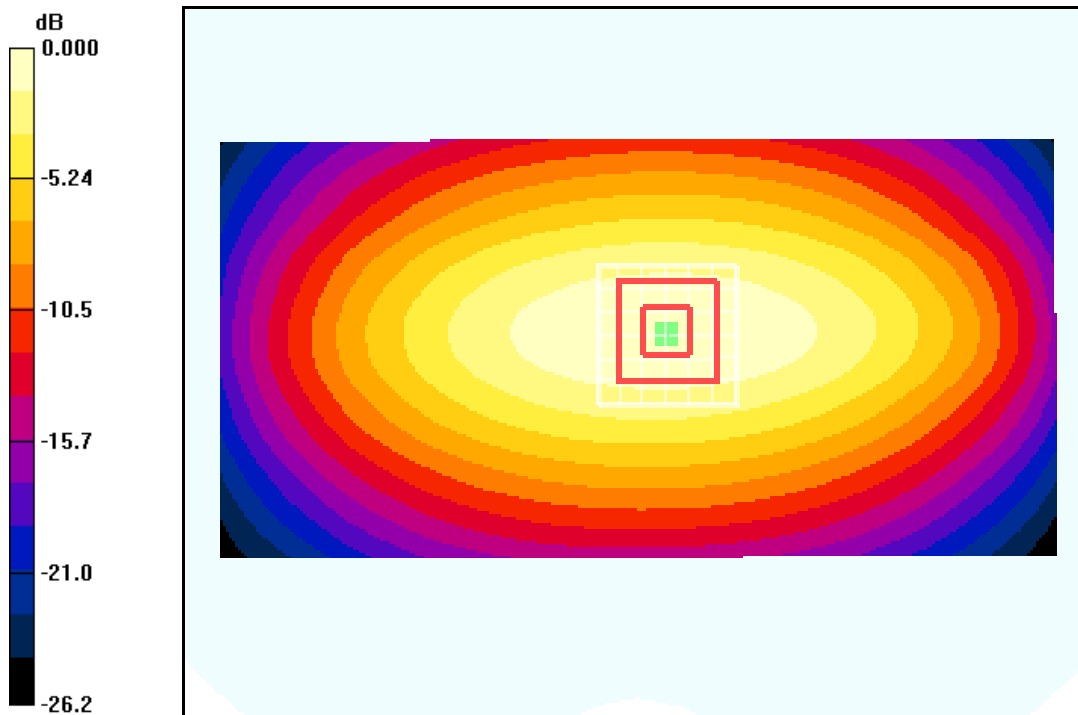**835MHz Validation/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
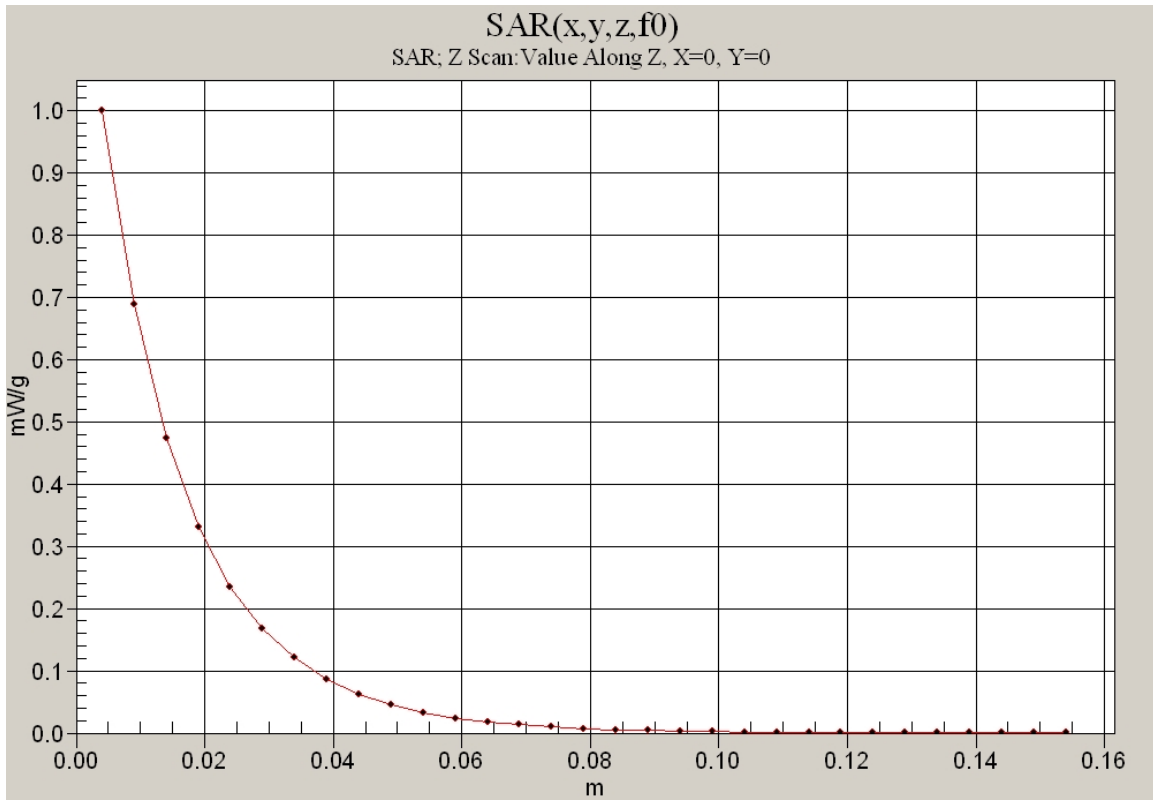Reference Value = 34.3 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.966 mW/g; SAR(10 g) = 0.632 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

0 dB = 1.05mW/g

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

Date: 9/29/2009

Test Laboratory: Kyocera Wireless Corporation

1800MHz Validation @ 20.00dBm, Probe #1664, DAE #494, Dipole #220
Communication System: CW 1800Mhz, Frequency: 1800 MHz, Duty Cycle: 1:1
Medium: H1800,Medium parameters used: f = 1800 MHz; σ = 1.43 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(5.46, 5.46, 5.46), Calibrated: 6/22/2009
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn494,Calibrated: 4/22/2009
Measurement SW: DASY4, V4.7 Build 71
Postprocessing SW: SEMCAD, V1.8 Build 184
Temperature:
Room T = 21.8 $\bar{}$ 1 deg C, Liquid T = 22.0 $\bar{}$ 1 deg C

1800Mhz/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.52 mW/g

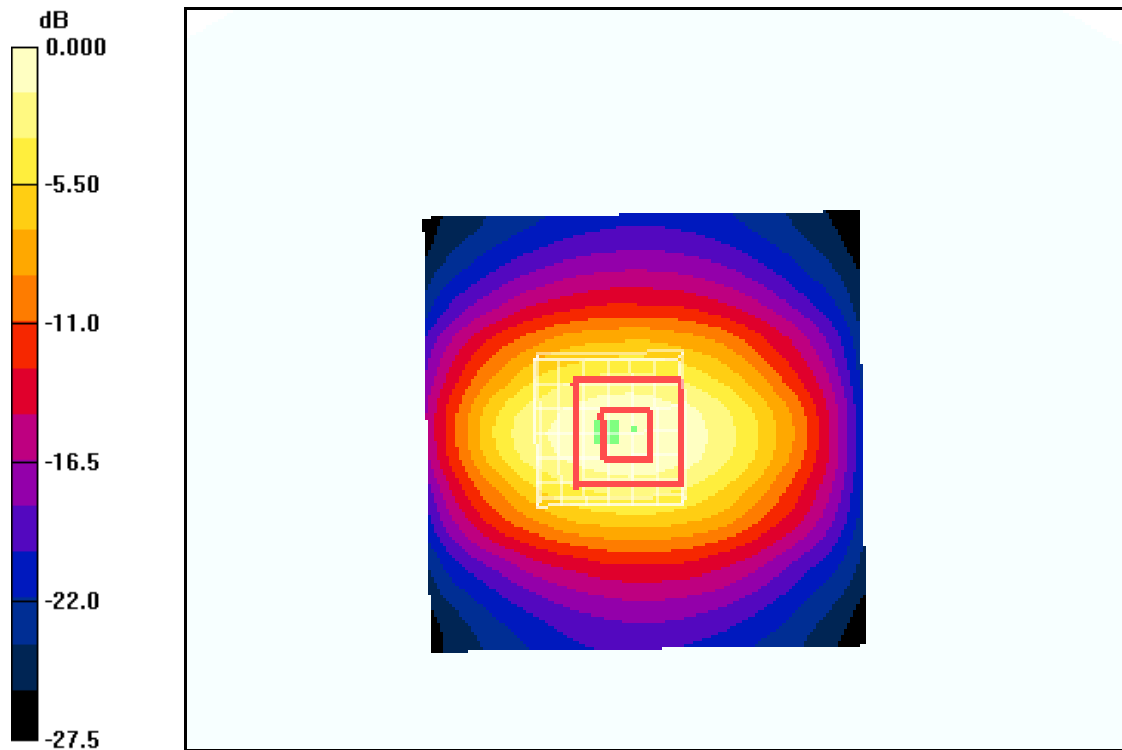**1800Mhz/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
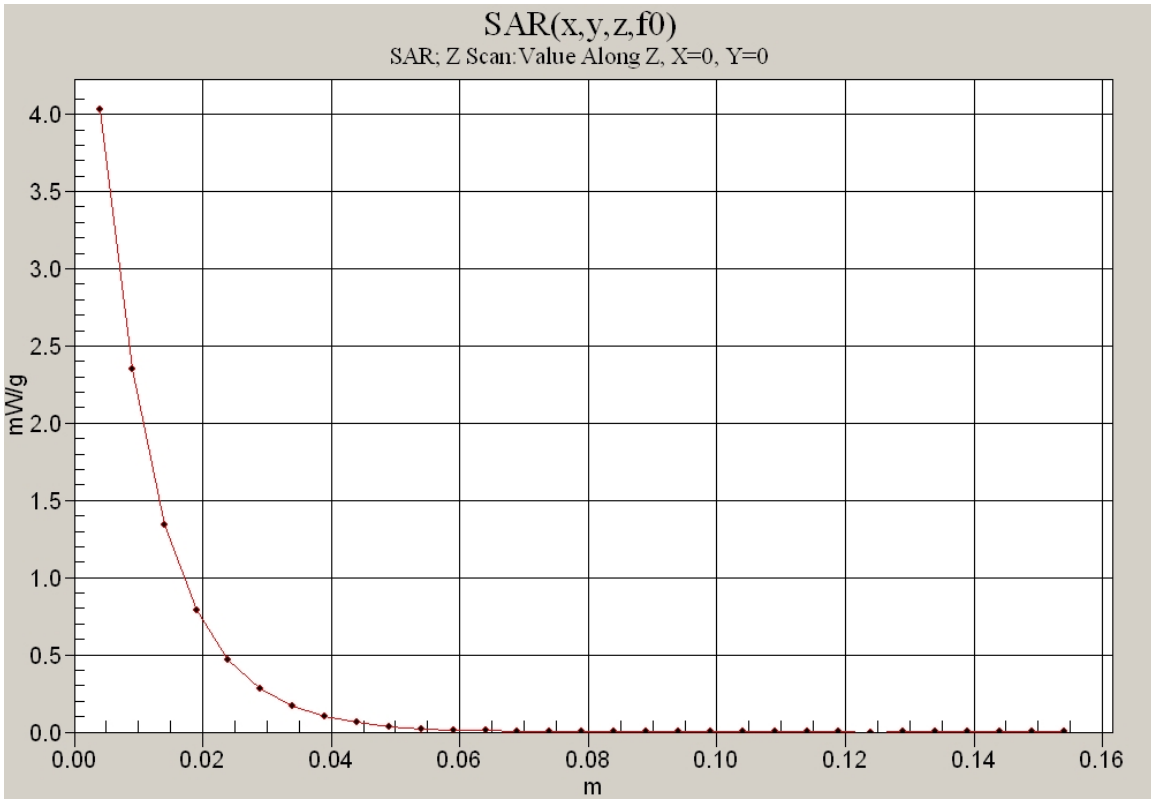Reference Value = 56.7 V/m; Power Drift = -0.056 dB
Peak SAR (extrapolated) = 6.28 W/kg
SAR(1 g) = 3.68 mW/g; SAR(10 g) = 1.96 mW/g
Maximum value of SAR (measured) = 4.14 mW/g

0 dB = 4.14mW/g

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

Date: 9/24/2009

Test Laboratory: Kyocera Wireless Corporation

1900Mhz Validation @ 20dBm Probe 3036, DAE 493 and Dipole 5d016

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
Medium: HSL1900,Medium parameters used (interpolated): f = 1900 MHz; σ = 1.41 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(4.92, 4.92, 4.92), Calibrated: 8/20/2009
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 (61x61x1): Measurement grid: dx=15mm, dy=15mm
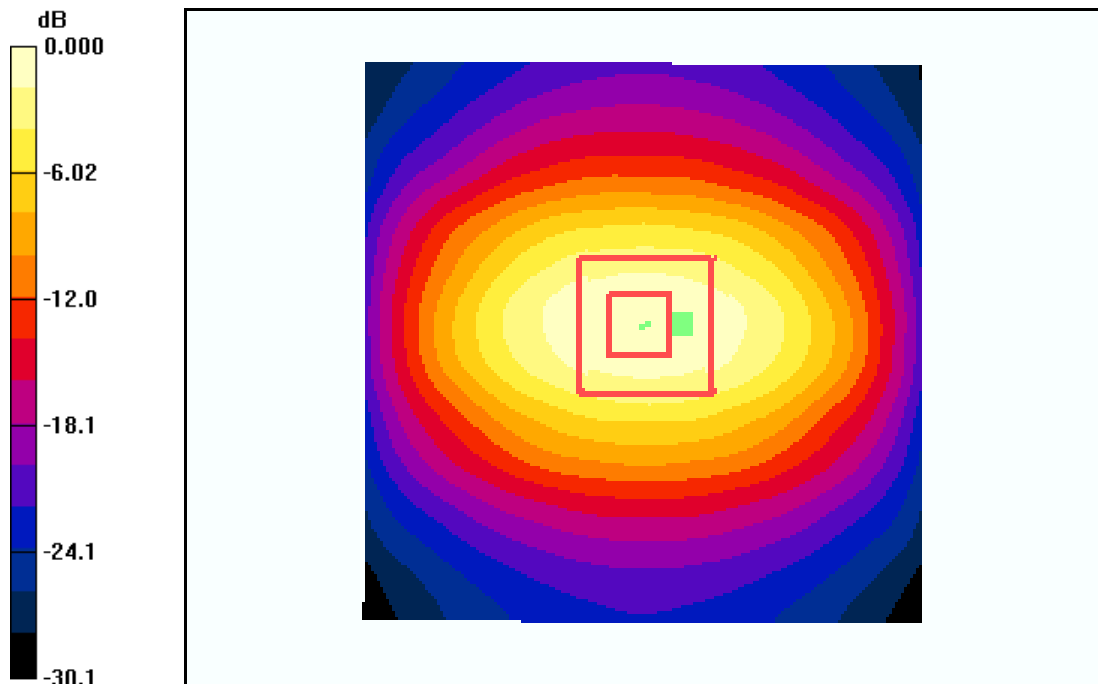 Maximum value of SAR (interpolated) = 4.80 mW/g

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
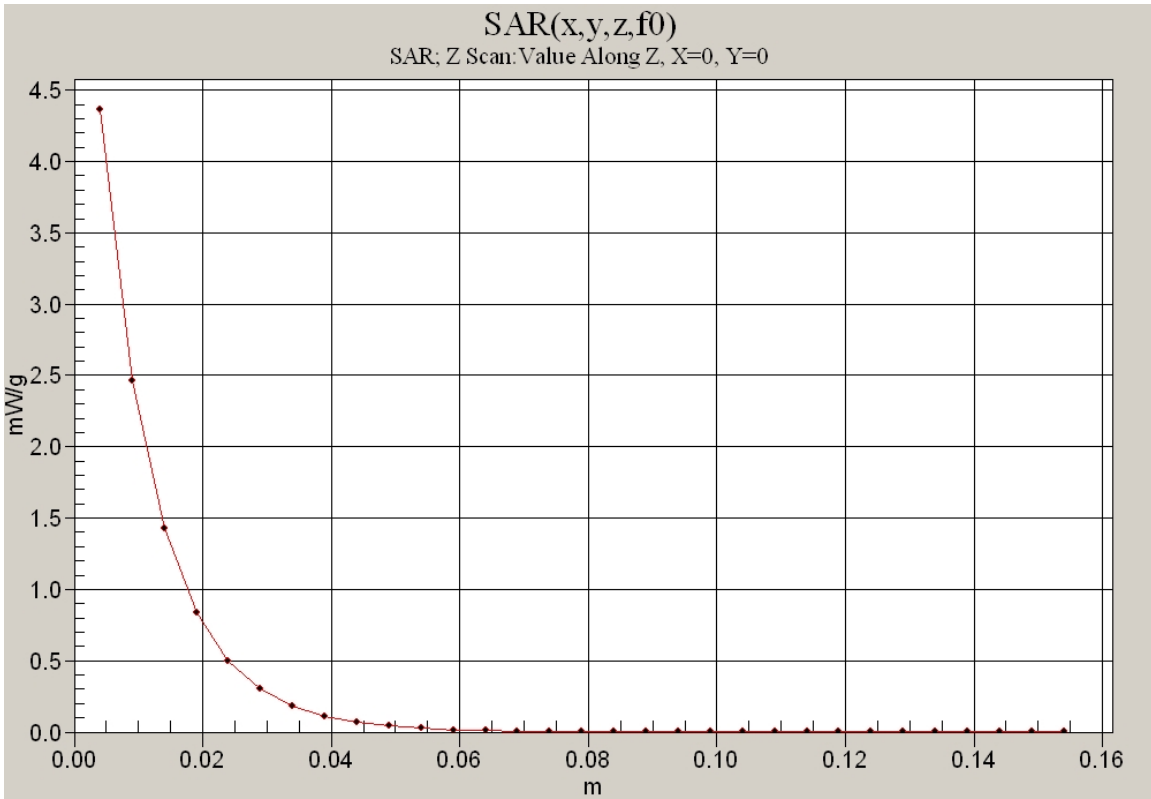Reference Value = 56.6 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 7.64 W/kg
SAR(1 g) = 4.1 mW/g; SAR(10 g) = 2.11 mW/g
Maximum value of SAR (measured) = 4.61 mW/g

0 dB = 4.61mW/g

KYOCERa

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

MUSCLE

Date: 9/28/2009

Test Laboratory: Kyocera Wireless Corporation

800Mhz Validation (In Muscle) @ 20dBm Probe 3036, DAE 493 and Dipole 4d019

Communication System: CW, Frequency: 835 MHz, Duty Cycle: 1:1
Medium: M900,Medium parameters used: f = 835 MHz; σ = 0.956 mho/m; ε_r = 55.9; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3036, ConvF(5.8, 5.8, 5.8), Calibrated: 8/20/2009
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE3 Sn493,Calibrated: 8/12/2009
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 @20dBm/Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.03 mW/g

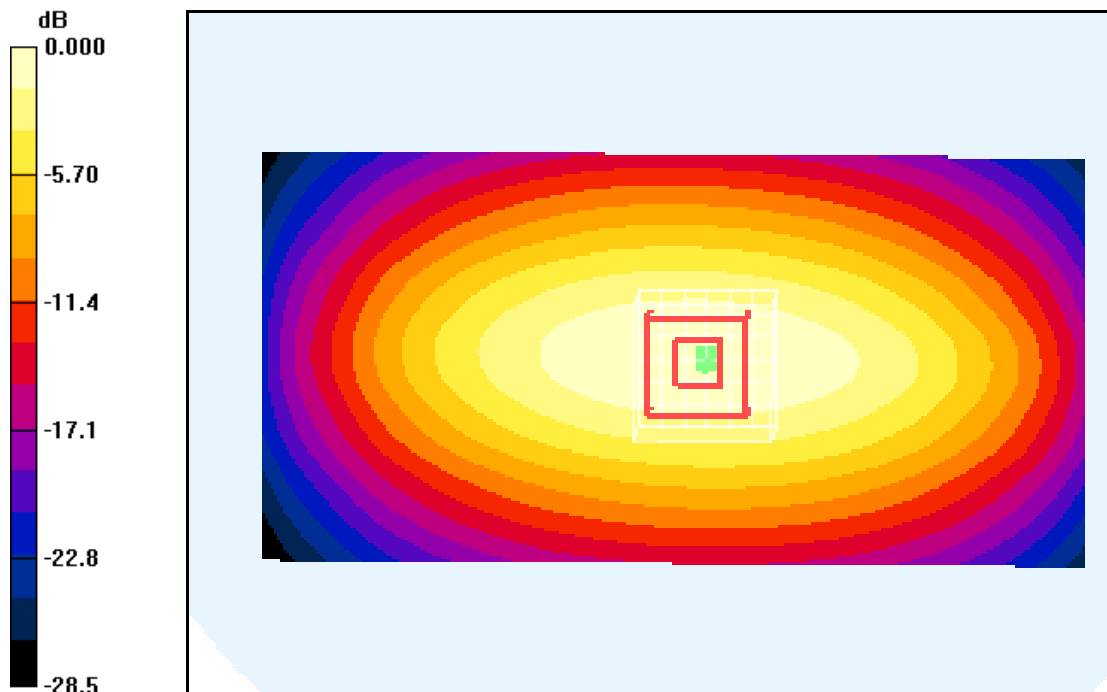**835MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.3 V/m; Power Drift = -0.025 dB
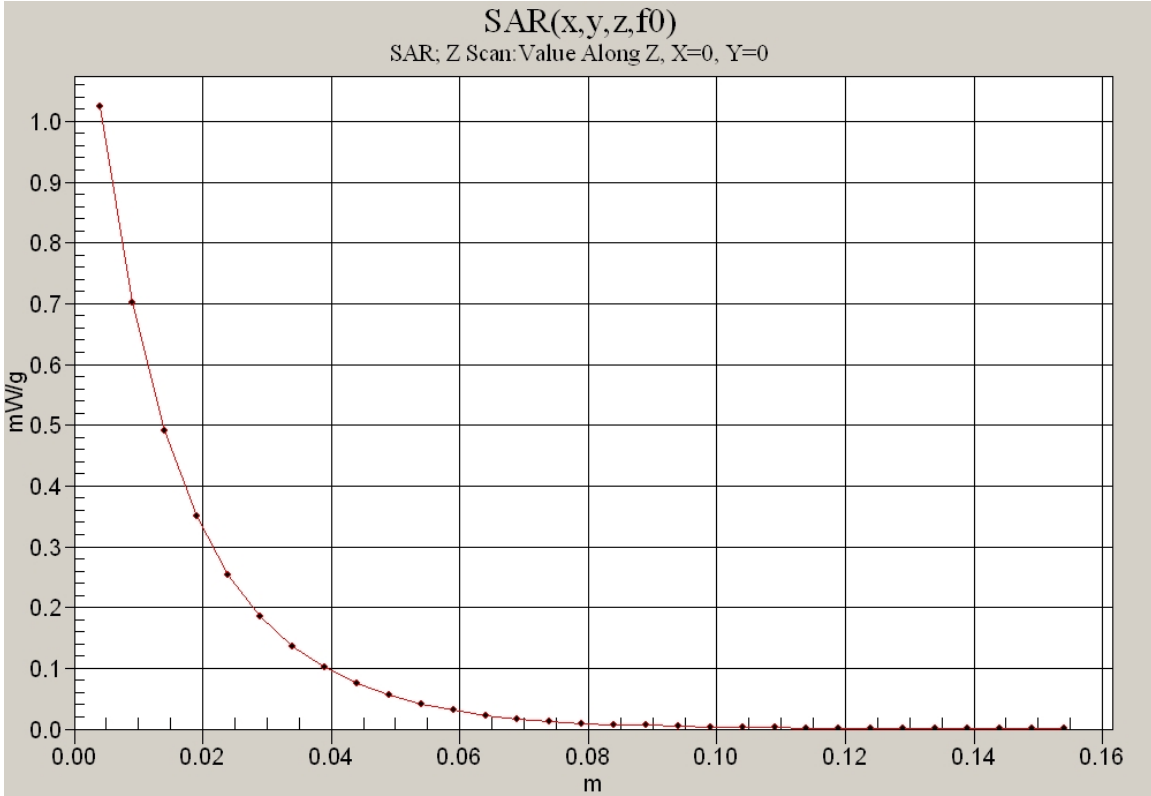Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.632 mW/g
Maximum value of SAR (measured) = 1.04 mW/g

0 dB = 1.03mW/g

KYOCERA

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

Date: 10/5/2009

Test Laboratory: Kyocera Wireless Corporation

1800MHz Validation (in Muscle) @ 20.00dBm, Probe #1664, DAE #494, Dipole #220

Communication System: CW 1800Mhz, Frequency: 1800 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used: f = 1800 MHz; σ = 1.57 mho/m; $ε_r$ = 52.3; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(4.76, 4.76, 4.76), Calibrated: 6/22/2009
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn603,Calibrated: 9/15/2009
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

1800Mhz/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
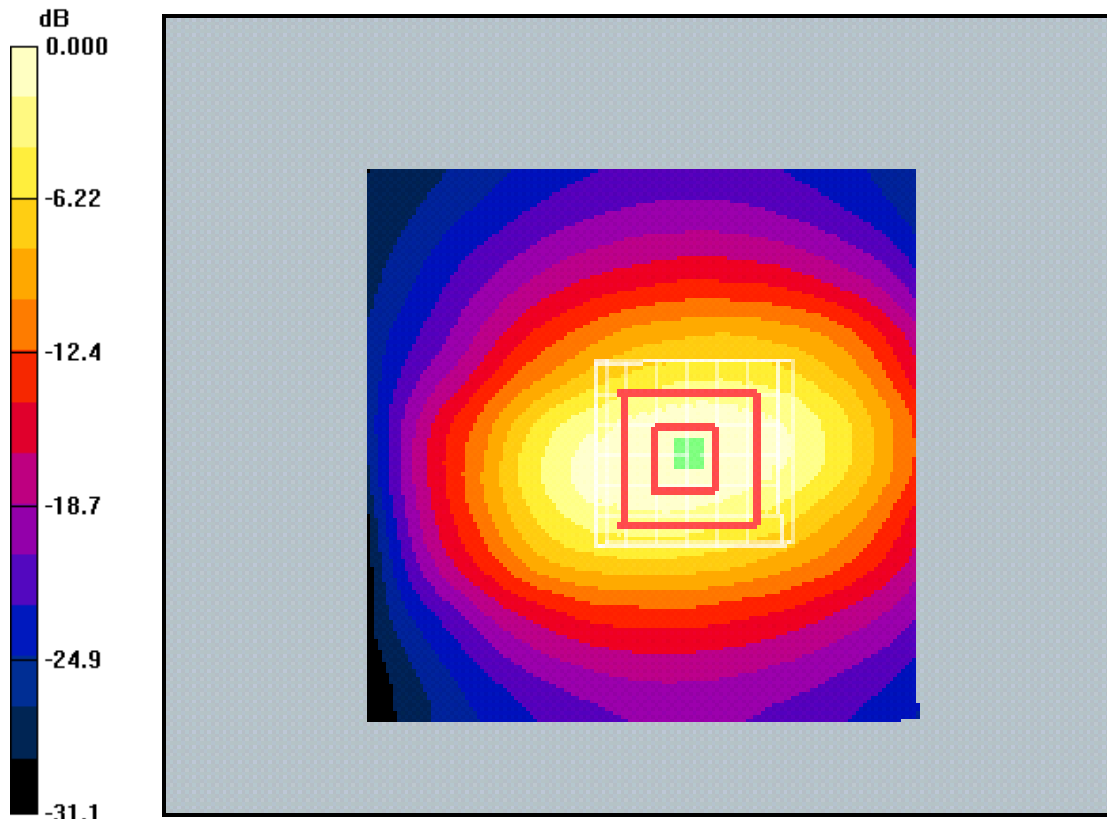Maximum value of SAR (interpolated) = 4.72 mW/g

1800Mhz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
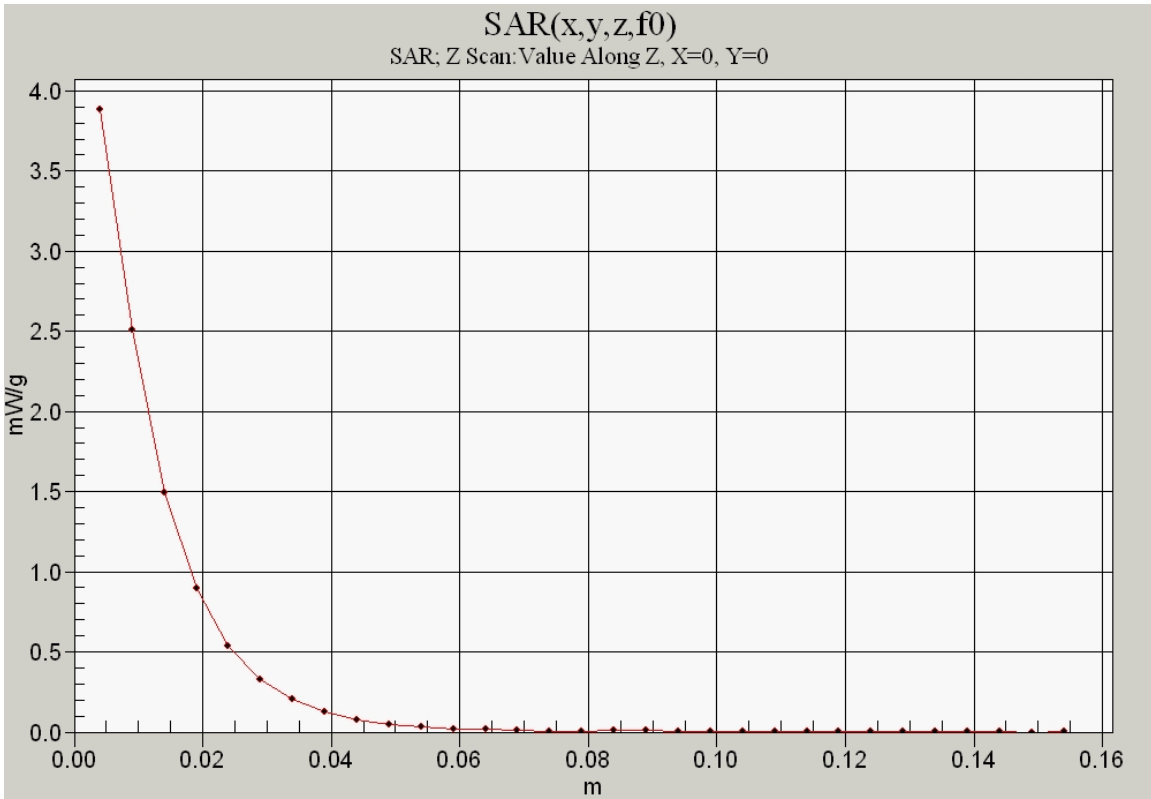Reference Value = 55.7 V/m; Power Drift = -0.128 dB
Peak SAR (extrapolated) = 5.73 W/kg
SAR(1 g) = 3.77 mW/g; SAR(10 g) = 2.05 mW/g
Maximum value of SAR (measured) = 4.33 mW/g

0 dB = 4.33mW/g

KYOCERA

SAR(x,y,z,f0)

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

Date: 9/30/2009

Test Laboratory: Kyocera Wireless Corporation

1900MHz Validation (in Muscle) @ 20.00dBm, Probe #1664, DAE #494, Dipole #5d016

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
Medium: M1800,Medium parameters used (interpolated): f = 1900 MHz; σ = 1.55 mho/m; $ε_r$ = 52.7; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ET3DV6 - SN1664, ConvF(4.49, 4.49, 4.49), Calibrated: 6/22/2009
Sensor-Surface: 4mm (Mechanical And Optical Surface Detection),
Electronics: DAE3 Sn494,Calibrated: 4/22/2009
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 Validation @20dBm/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 4.89 mW/g

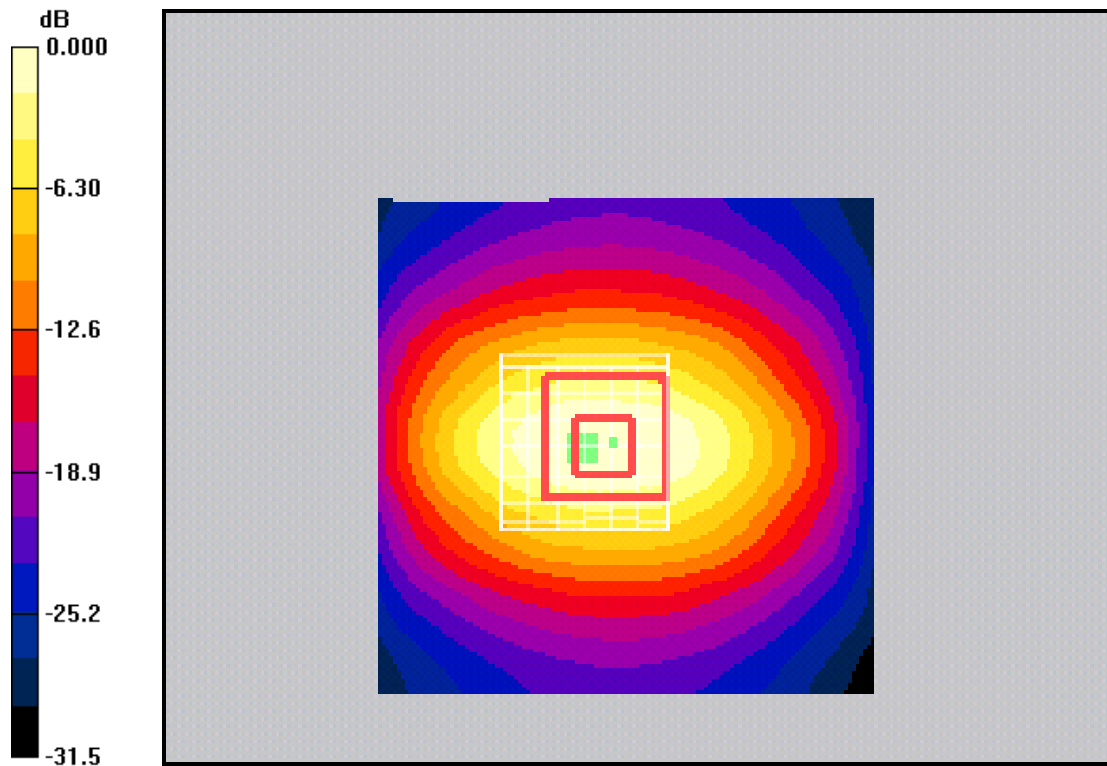**1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.4 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 6.01 W/kg
SAR(1 g) = 3.91 mW/g; SAR(10 g) = 2.13 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 4.47 mW/g

0 dB = 4.47mW/g

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