Test Laboratory: Kyocera

1900MHz Validation @ 20dBm Probe 3035, DAE 675 and Dipole 5d003_100410

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
Medium: HSL1900,Medium parameters used (interpolated): f = 1900 MHz; σ = 1.45 mho/m; ε_r = 39.1; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 4/21/2010
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
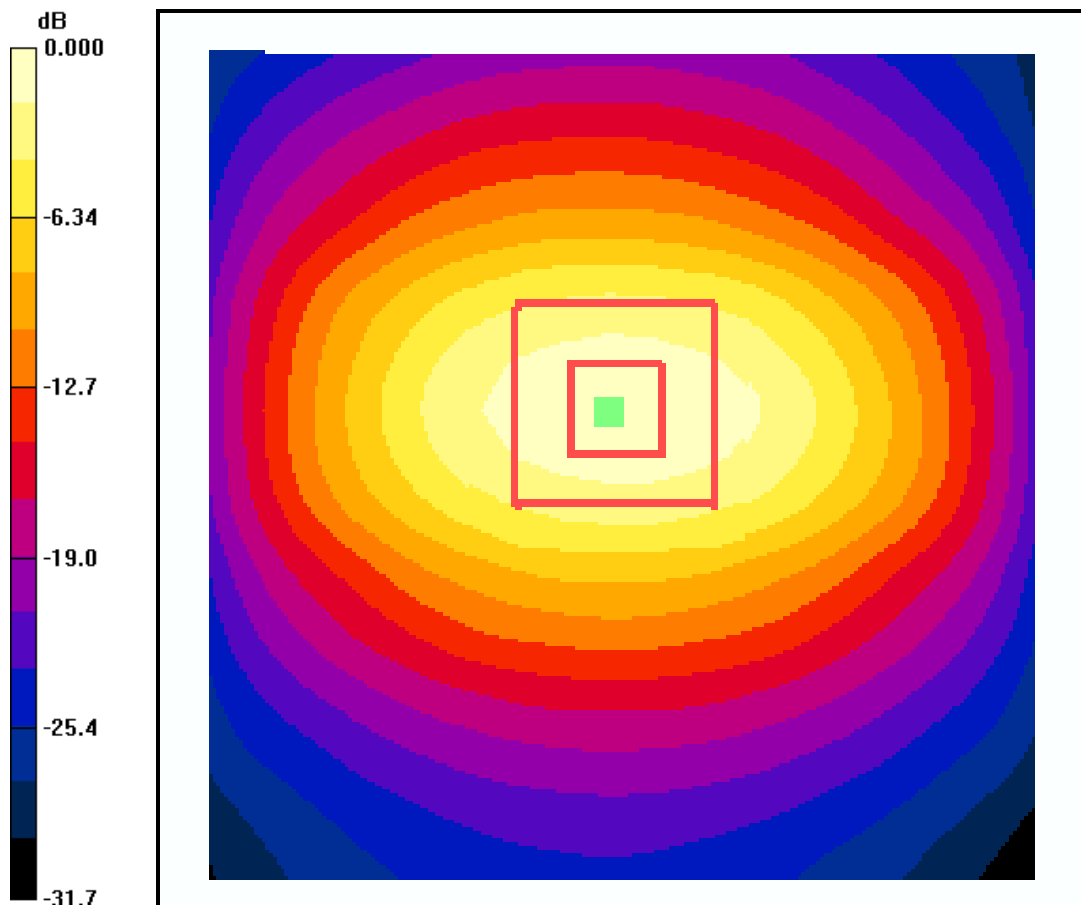Maximum value of SAR (interpolated) = 4.94 mW/g

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
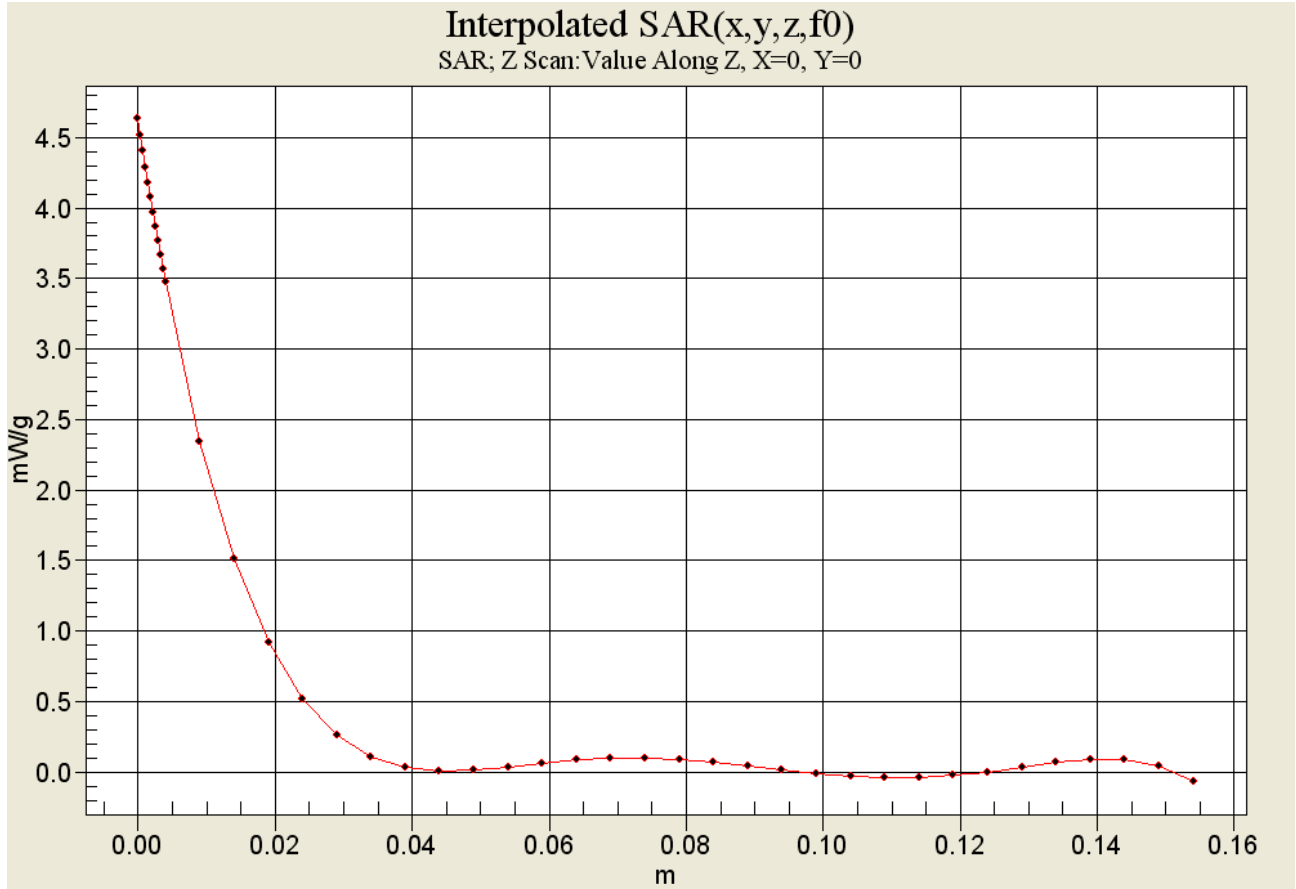Reference Value = 51.2 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 7.44 W/kg
SAR(1 g) = 4.08 mW/g; SAR(10 g) = 2.12 mW/g
Maximum value of SAR (measured) = 4.62 mW/g

0 dB = 4.94mW/g

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

Date: 10/5/2010

Test Laboratory: Kyocera

1900MHz Validation @ 20dBm Probe 3035, DAE 675 and Dipole 5d003_100510

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
Medium: HSL1900,Medium parameters used (interpolated): f = 1900 MHz; σ = 1.44 mho/m; $ε_r$ = 38.9; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3035, ConvF(5, 5, 5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 4/21/2010
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
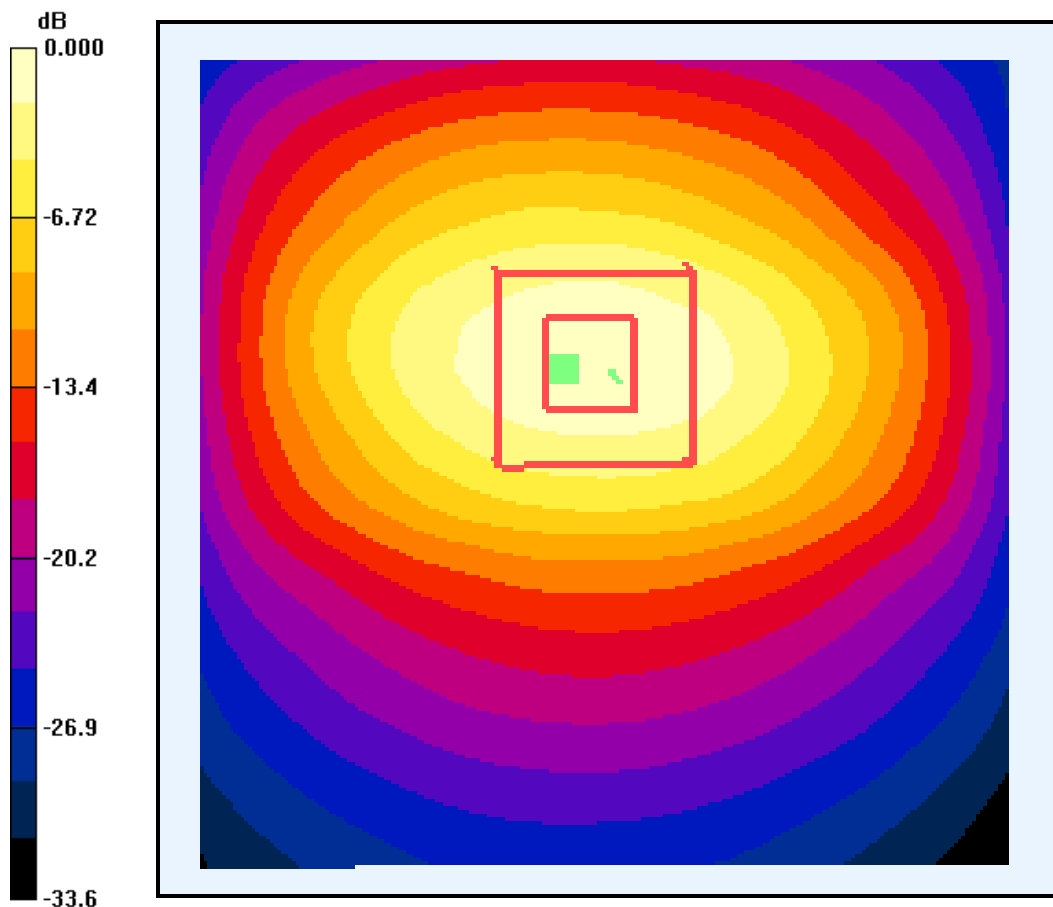Maximum value of SAR (interpolated) = 4.83 mW/g

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
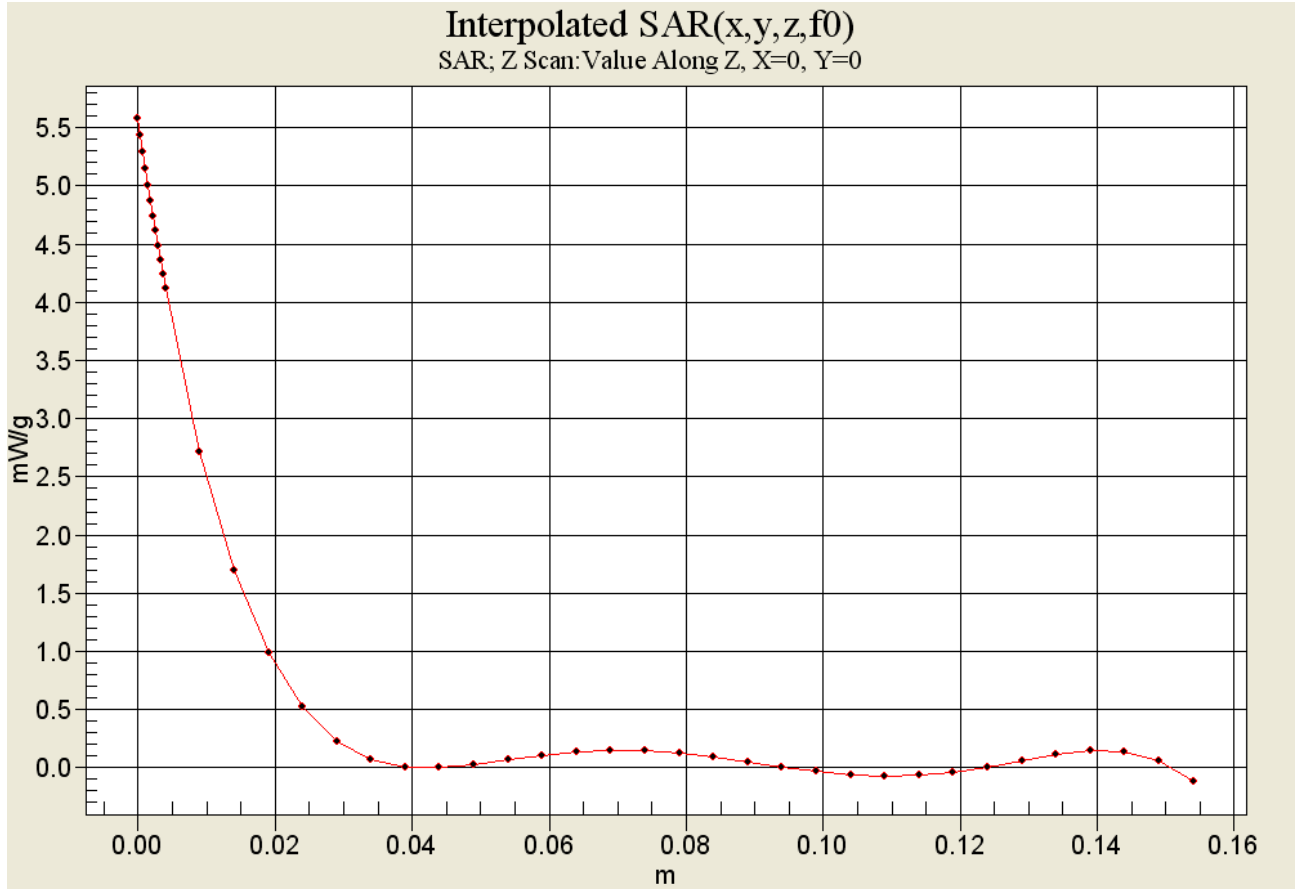Reference Value = 39.7 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 7.46 W/kg
SAR(1 g) = 4.1 mW/g; SAR(10 g) = 2.13 mW/g
Maximum value of SAR (measured) = 4.57 mW/g

0 dB = 4.83mW/g

KYOCERA

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

Date: 10/1/2010

Test Laboratory: Kyocera

S2100 1900MHz Validation (in Muscle), Probe #3035, DAE #675, Dipole #5d003_100110

Communication System: CW, Frequency: 1900 MHz, Duty Cycle: 1:1
Medium: M1900,Medium parameters used (interpolated): f = 1900 MHz; σ = 1.53 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom: SAM 12,Phantom section: Flat Section
DASY4 Configuration:
Probe: ES3DV3 - SN3035, ConvF(4.5, 4.5, 4.5), Calibrated: 9/9/2010
Sensor-Surface: 4mm (Mechanical Surface Detection),
Electronics: DAE4 Sn675,Calibrated: 4/21/2010
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
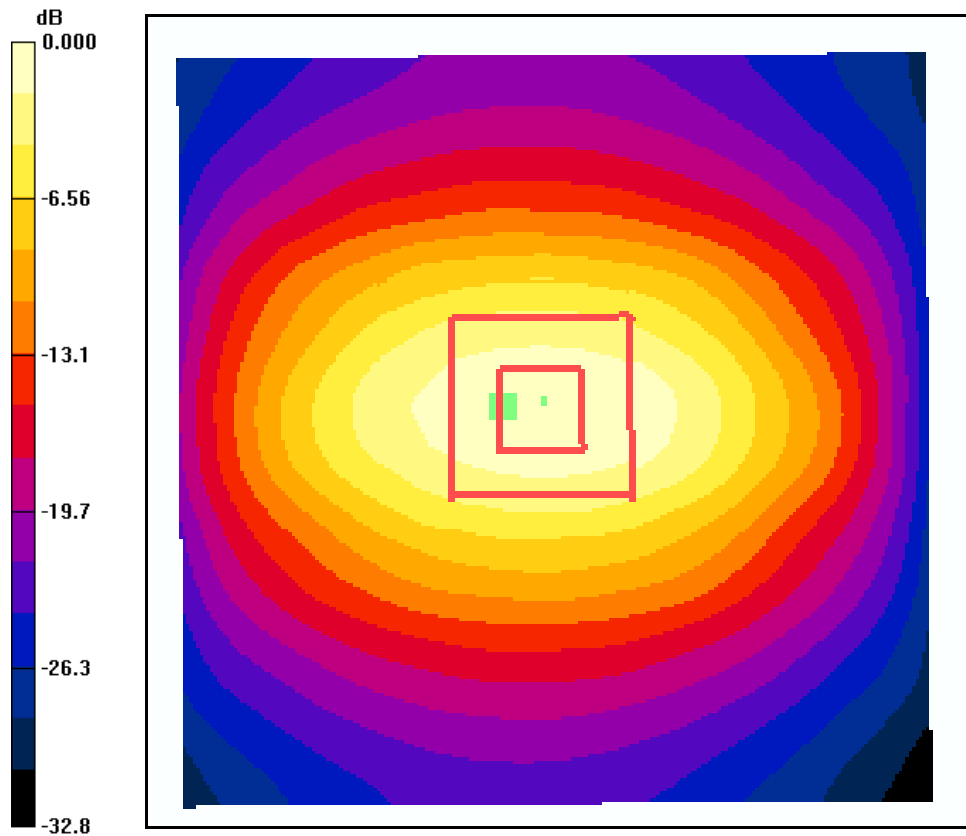Maximum value of SAR (interpolated) = 4.90 mW/g

1900MHz Validation @20dBm/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.8 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 7.10 W/kg
SAR(1 g) = 4.11 mW/g; SAR(10 g) = 2.18 mW/g
Maximum value of SAR (measured) = 4.65 mW/g

0 dB = 4.90mW/g

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