

Test Laboratory: Compliance Certification Services Inc.

## D835V2-SN 4d015-Head

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d015**

Communication System: CW 835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.894$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.39, 7.39, 7.39);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.99 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 55.6 V/m; Power Drift = -0.082 dB

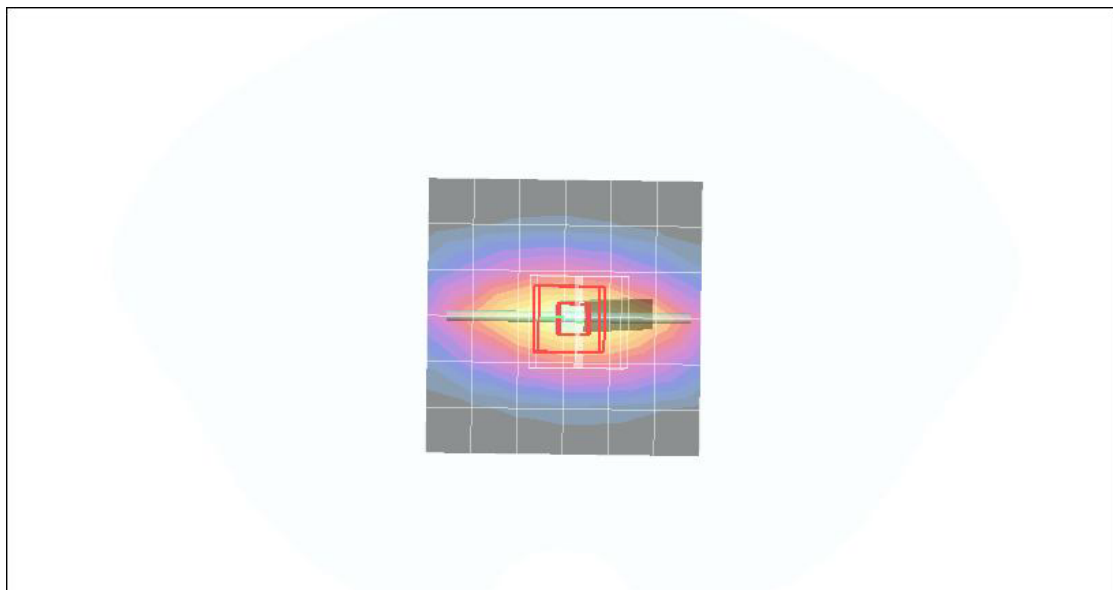
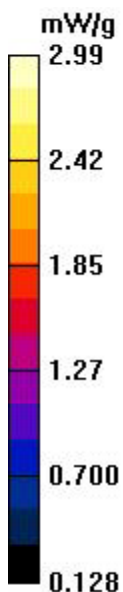
Peak SAR (extrapolated) = 3.95 W/kg

**SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.42 mW/g**

Maximum value of SAR (measured) = 2.09 mW/g

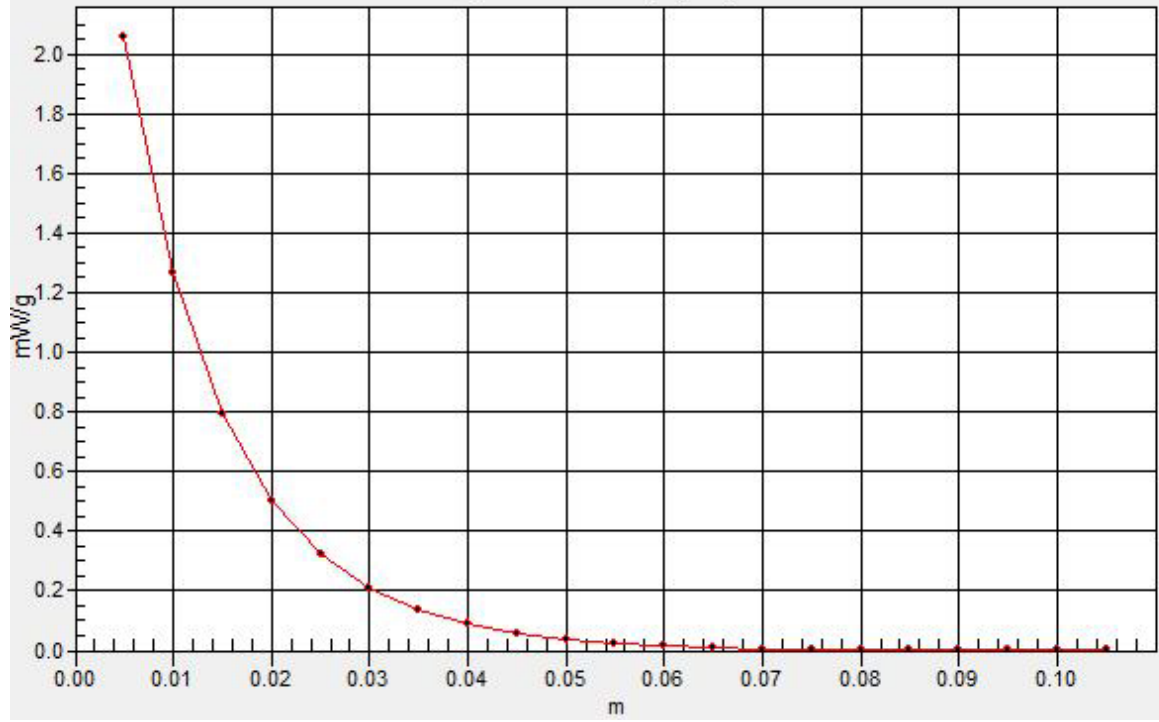
**d=10mm, Pin=250mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 2.09 mW/g



# SAR(x,y,z,f0)

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



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## D835V2-SN 4d015-Body

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d015**

Communication System: CW 835; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 835$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 54.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.28, 7.28, 7.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**d=10mm, Pin=250mW/Area Scan (7x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.91 mW/g

**d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 52.5 V/m; Power Drift = -0.022 dB

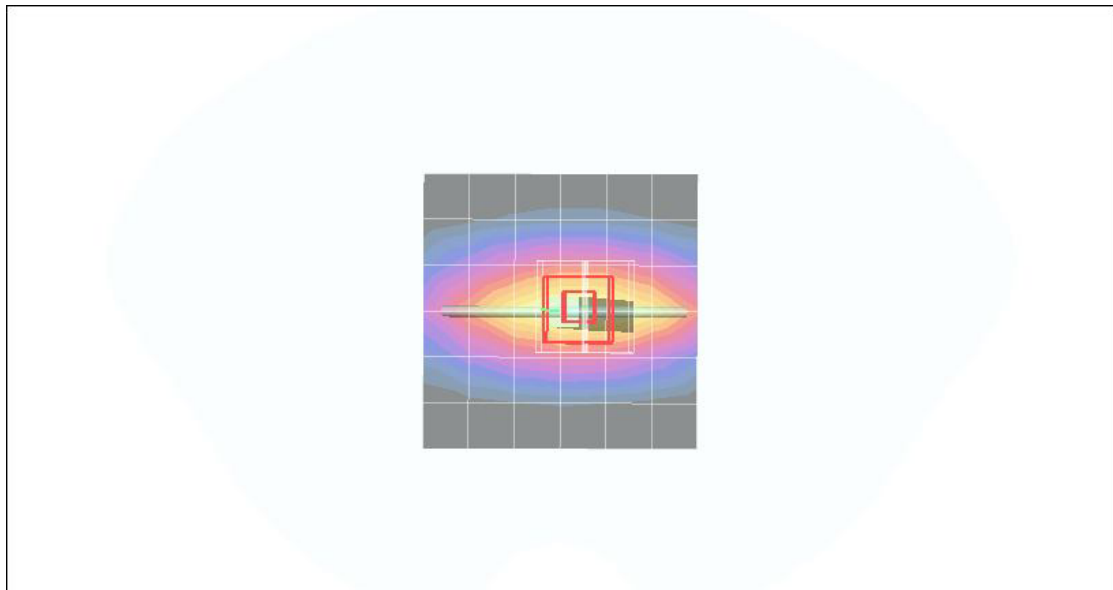
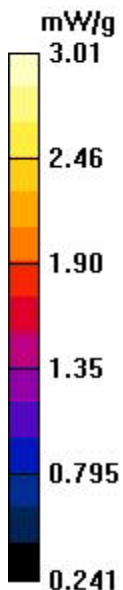
Peak SAR (extrapolated) = 3.68 W/kg

**SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.62 mW/g**

Maximum value of SAR (measured) = 3.01 mW/g

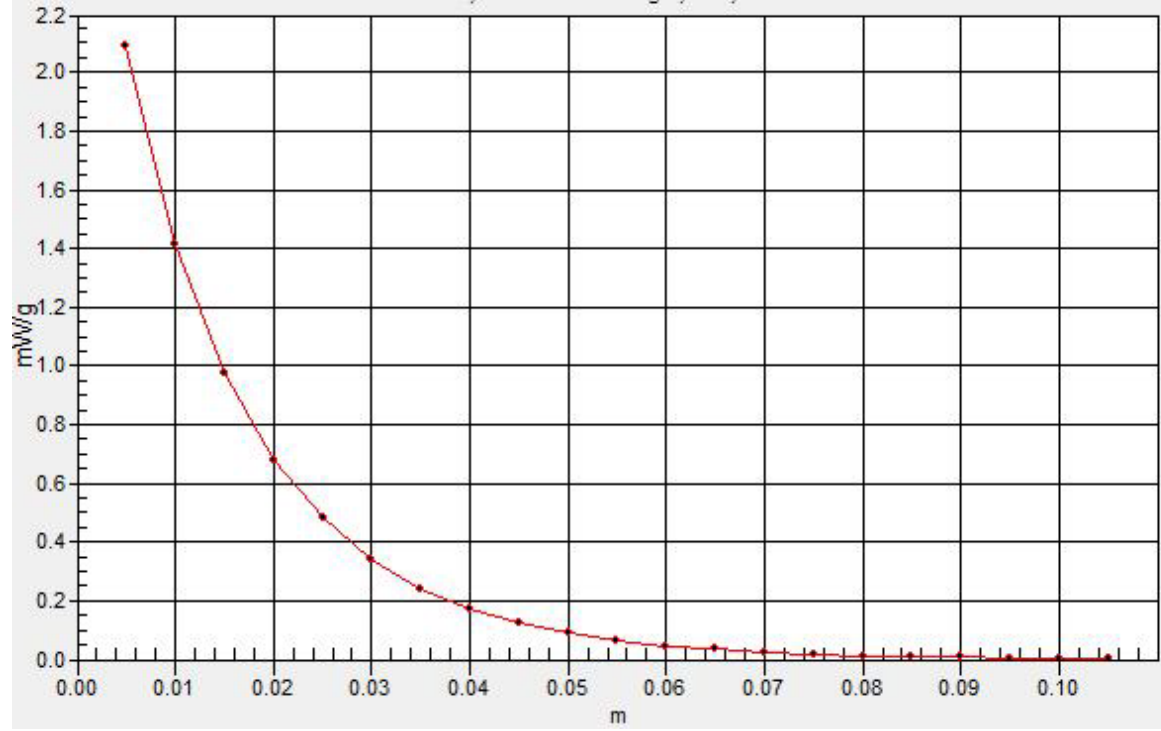
**d=10mm, Pin=250mW/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 2.11 mW/g



# SAR(x,y,z,f0)

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



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## CDMA Cellular -Left Head C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.896$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.39, 7.39, 7.39);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Left Cheek Middle CH384/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.755 mW/g

**Left Cheek Middle CH384/Zoom Scan (7x7x9)/Cube 0:** Measurement

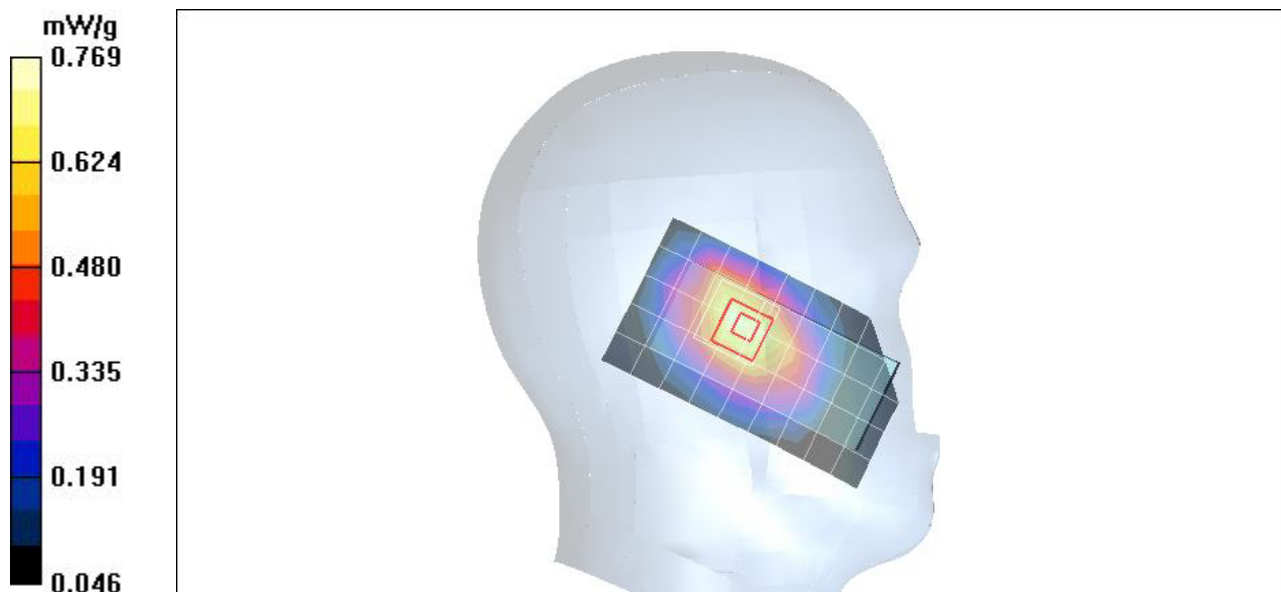
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 22.3 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.943 W/kg

**SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.439 mW/g**

Maximum value of SAR (measured) = 0.769 mW/g



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## CDMA Cellular -Left Head C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.896$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.39, 7.39, 7.39);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Left Tilted Middle CH384/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.540 mW/g

**Left Tilted Middle CH384/Zoom Scan (7x7x9)/Cube 0:** Measurement

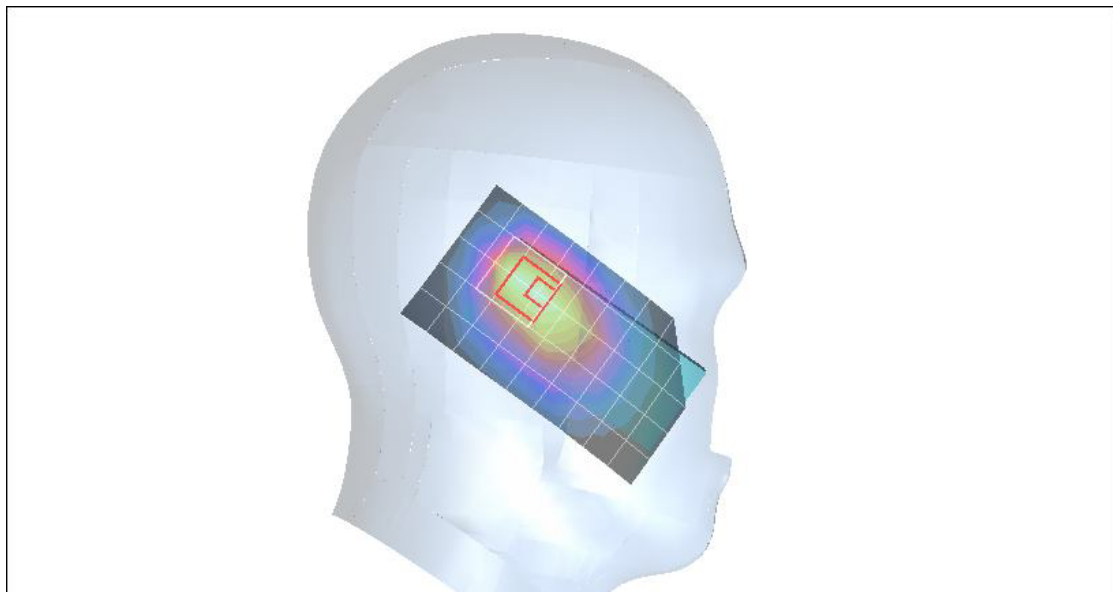
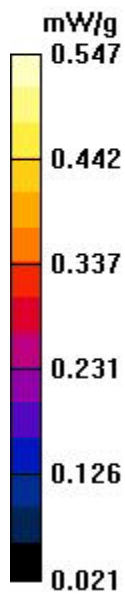
grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 20.5 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.751 W/kg

**SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.282 mW/g**

Maximum value of SAR (measured) = 0.547 mW/g



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## CDMA Cellular -Right Head C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.896$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.39, 7.39, 7.39);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Right Cheek Middle CH384/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.686 mW/g

**Right Cheek Middle CH384/Zoom Scan (7x7x9)/Cube 0:**

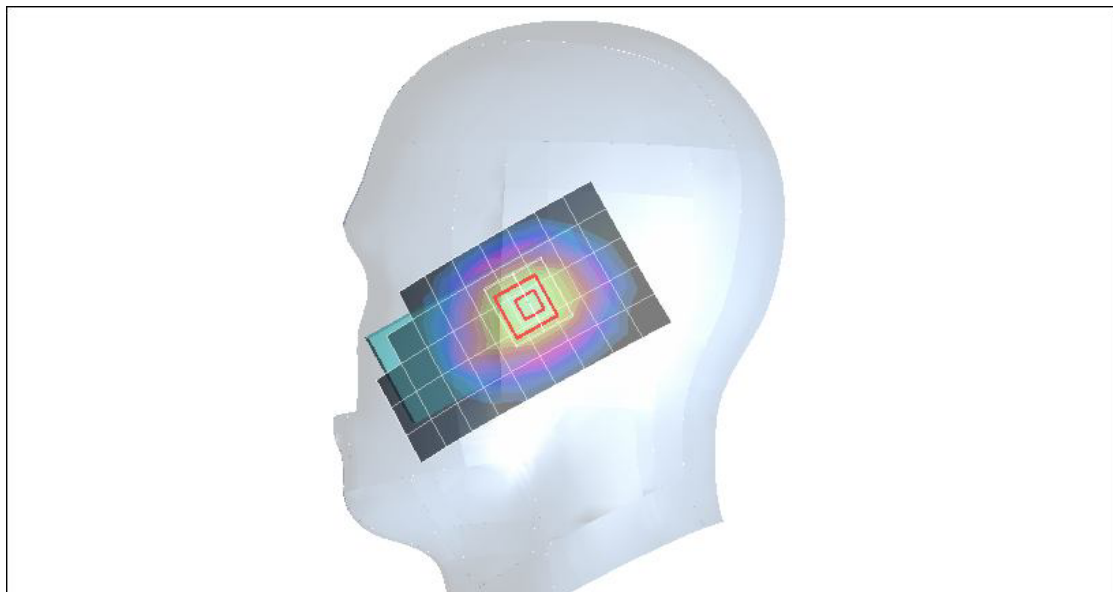
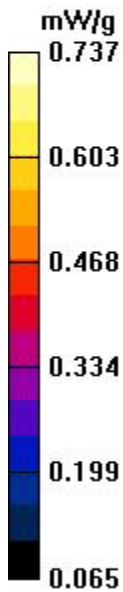
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 22.7 V/m; Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.910 W/kg

**SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.436 mW/g**

Maximum value of SAR (measured) = 0.737 mW/g



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## CDMA Cellular -Right Head C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.896$  mho/m;  $\epsilon_r = 41.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.39, 7.39, 7.39);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Right Tilted Middle CH384/Area Scan (6x10x1):** Measurement grid:

$dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.449 mW/g

**Right Tilted Middle CH384/Zoom Scan (7x7x9)/Cube 0:**

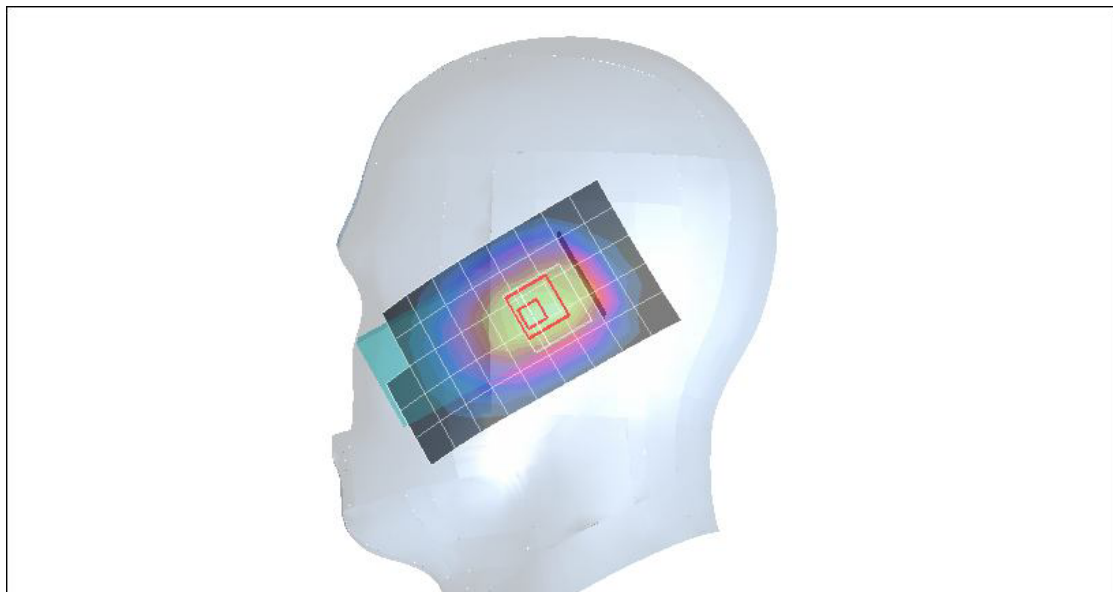
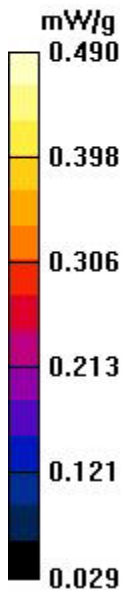
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=3$ mm

Reference Value = 21.0 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.602 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.279 mW/g**

Maximum value of SAR (measured) = 0.490 mW/g





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## CDMA Cellular -Body C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.28, 7.28, 7.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### CDMA Body Face Up Middle CH384/Area Scan (6x10x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.376 mW/g

### CDMA Body Face Up Middle CH384/Zoom Scan (7x7x9)/Cube

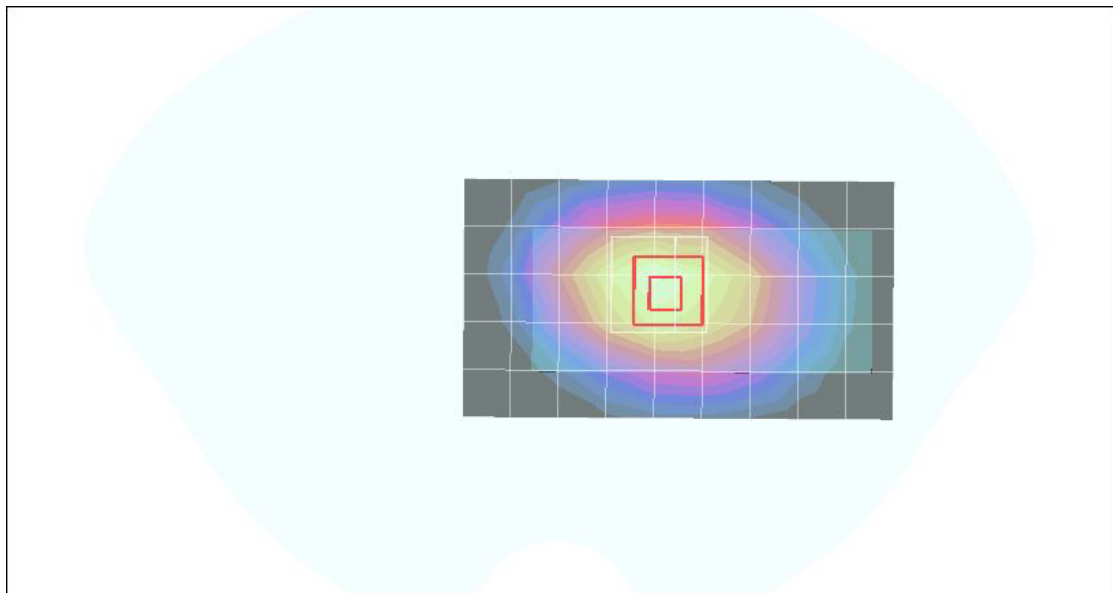
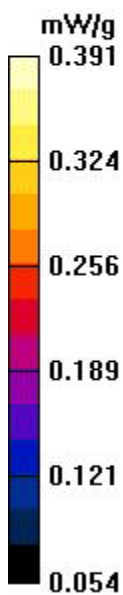
**0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.8 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.459 W/kg

**SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.235 mW/g**

Maximum value of SAR (measured) = 0.391 mW/g



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## CDMA Cellular -Body C889MA+

**DUT: C889MA+; Type: Mobile Phone; Serial: N/A**

Communication System: CDMA2000 Cellular; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.52$  MHz;  $\sigma = 0.982$  mho/m;  $\epsilon_r = 54.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.6 deg C; Liquid Temperature: 23.6 deg C

Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(7.28, 7.28, 7.28);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2009/7/17
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### CDMA Body Face Down Middle CH384/Area Scan (6x10x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.760 mW/g

### CDMA Body Face Down Middle CH384/Zoom Scan

**(7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 19.3 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.898 W/kg

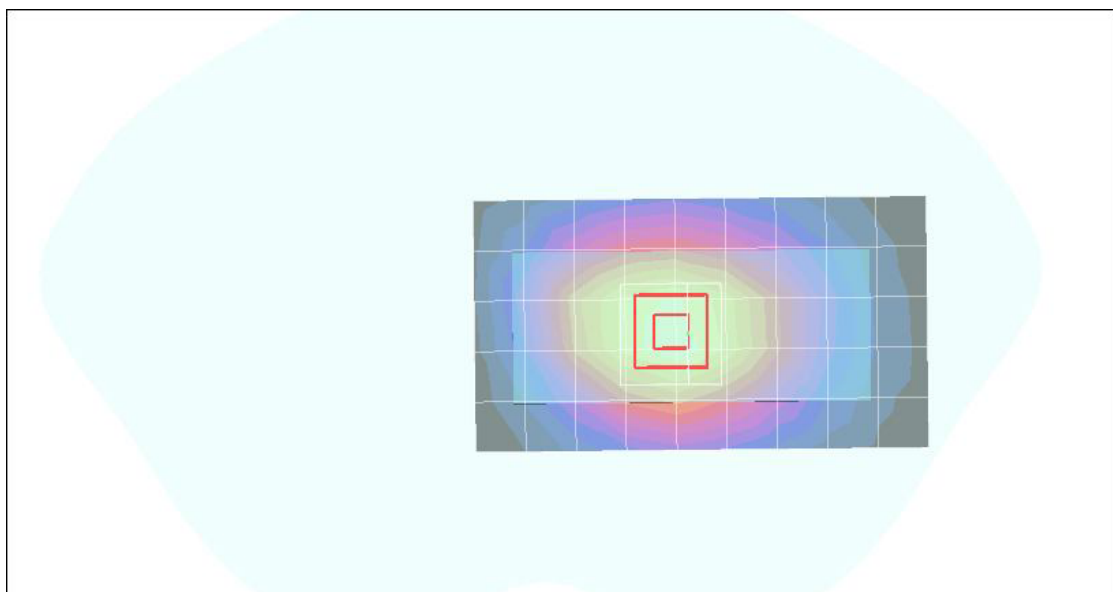
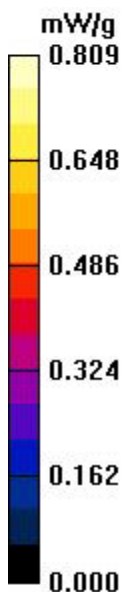
**SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.477 mW/g**

Maximum value of SAR (measured) = 0.783 mW/g

### CDMA Body Face Down Middle CH384/Z Scan (1x1x21):

Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.809 mW/g



# SAR(x,y,z,f0)

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

