

Test Laboratory: Compliance Certification Services (UL CCS)

UMTS band II_Body

DUT: Apple; Type: NA; Serial: NA

Communication System: UMTS Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.33, 7.33, 7.33); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front side_M-ch/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.713 mW/g

Front side_M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 22.1 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 0.810 mW/g

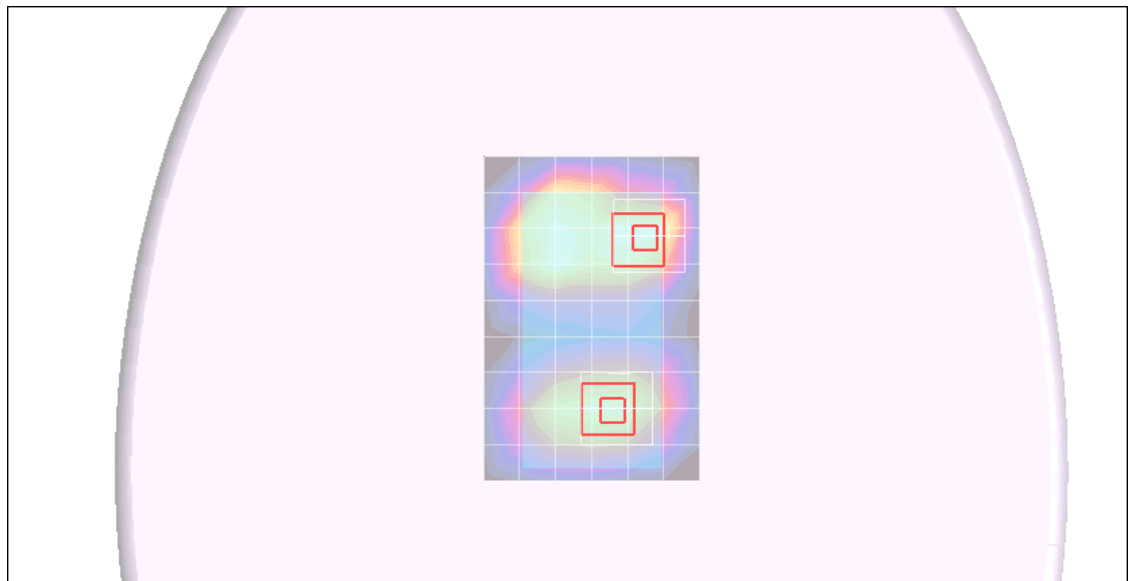
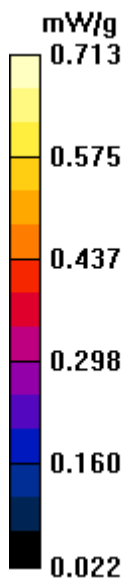
Front side_M-ch/Zoom Scan 2 (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 22.1 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.376 mW/g

Maximum value of SAR (measured) = 0.667 mW/g



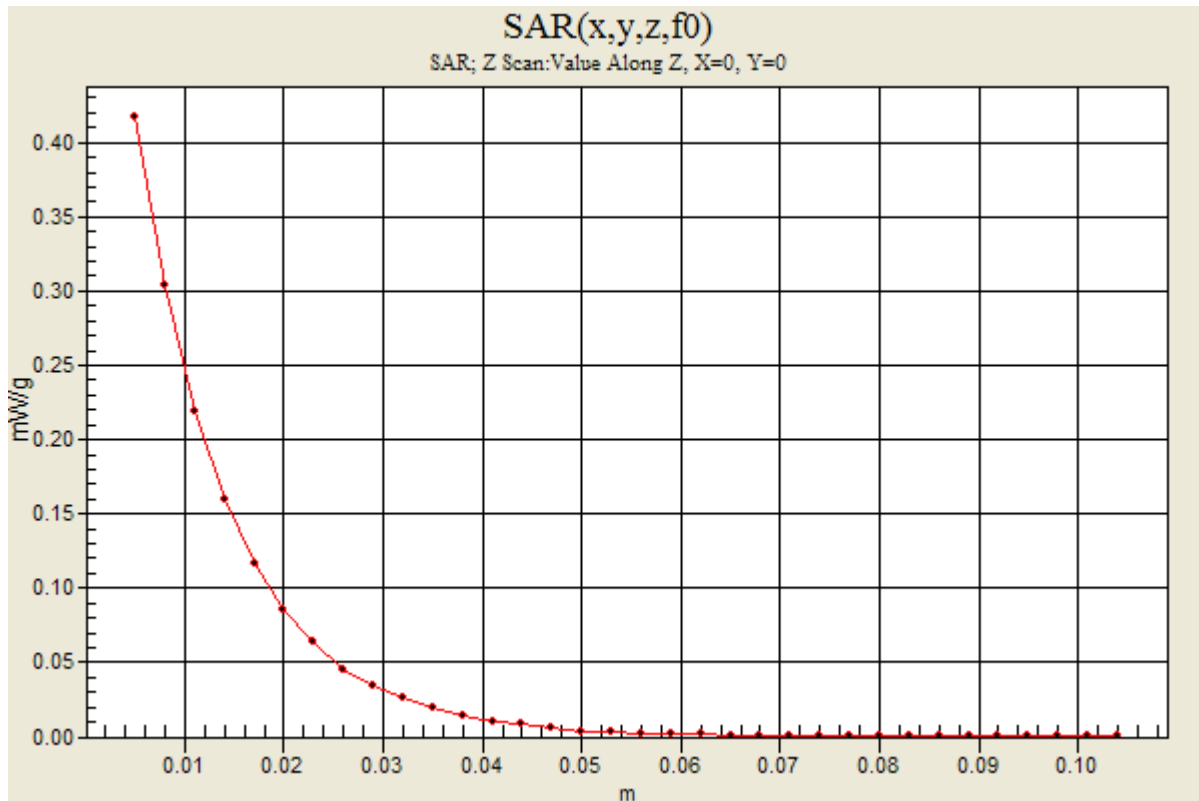
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Front side_M-ch/Z Scan (1x1x34): Measurement grid: dx=20mm, dy=20mm, dz=3mm
Maximum value of SAR (measured) = 0.417 mW/g



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Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.33, 7.33, 7.33); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back side_M-ch/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.791 mW/g

Back side_M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 23.4 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.401 mW/g

Maximum value of SAR (measured) = 0.830 mW/g

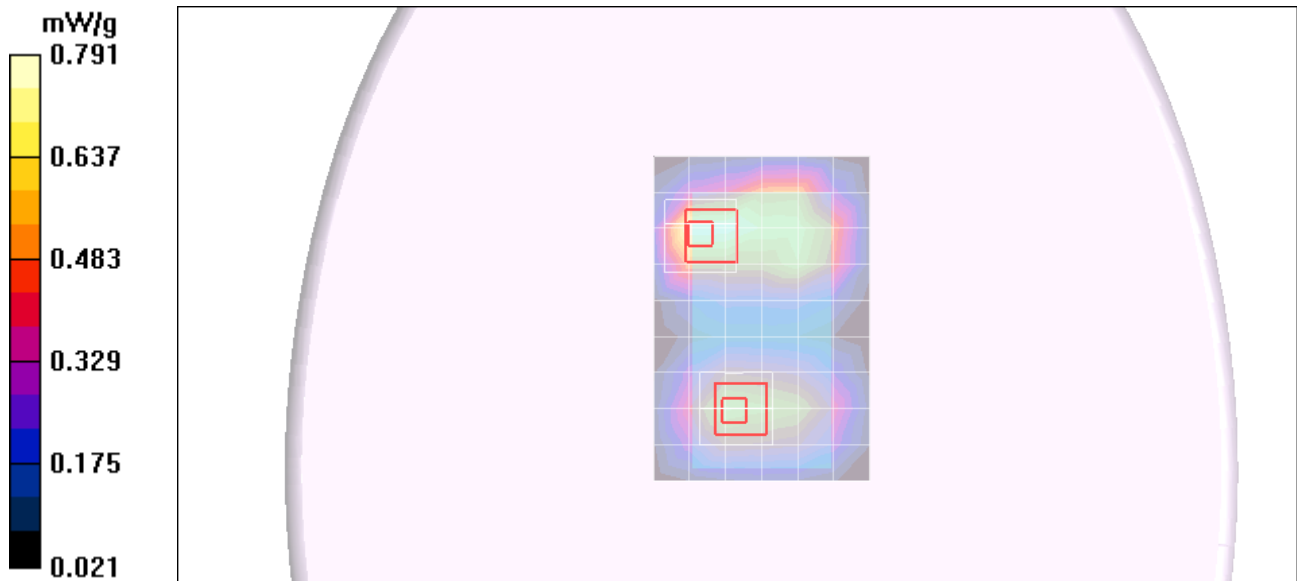
Back side_M-ch/Zoom Scan 2 (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 23.4 V/m; Power Drift = -0.140 dB

Peak SAR (extrapolated) = 0.831 W/kg

SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.650 mW/g



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Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.33, 7.33, 7.33); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left edge_M-ch/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.690 mW/g

Left edge_M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 21.9 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.327 mW/g

Maximum value of SAR (measured) = 0.761 mW/g

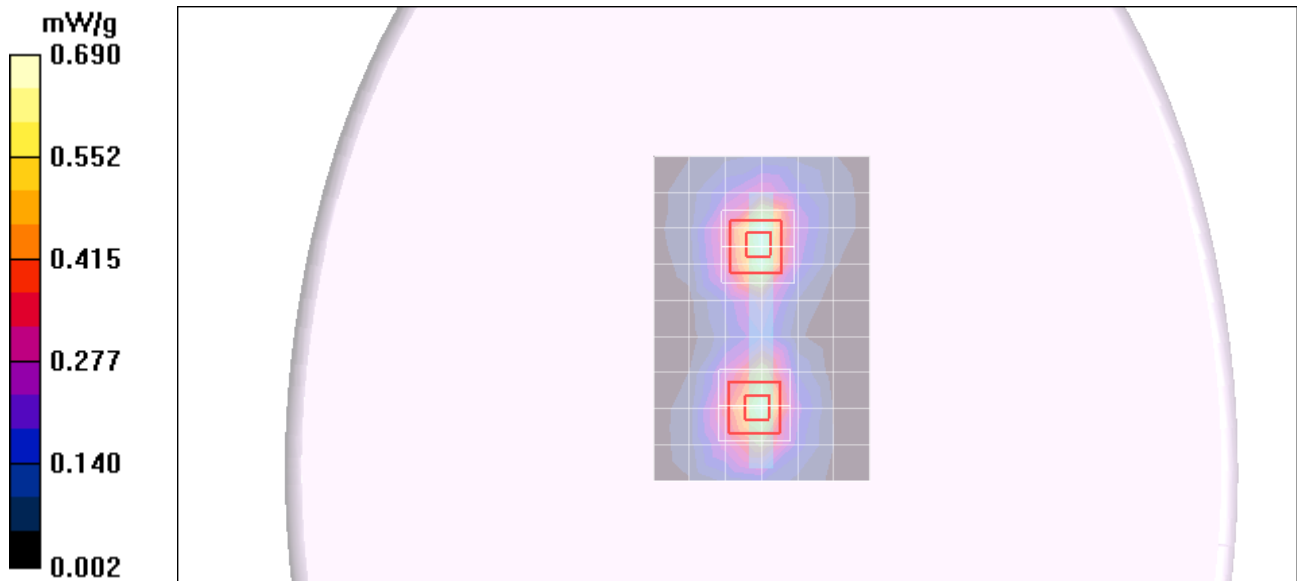
Left edge_M-ch/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 21.9 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.922 W/kg

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.313 mW/g

Maximum value of SAR (measured) = 0.675 mW/g



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Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.33, 7.33, 7.33); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Right edge_M-ch/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.309 mW/g

Right edge_M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.6 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.326 mW/g

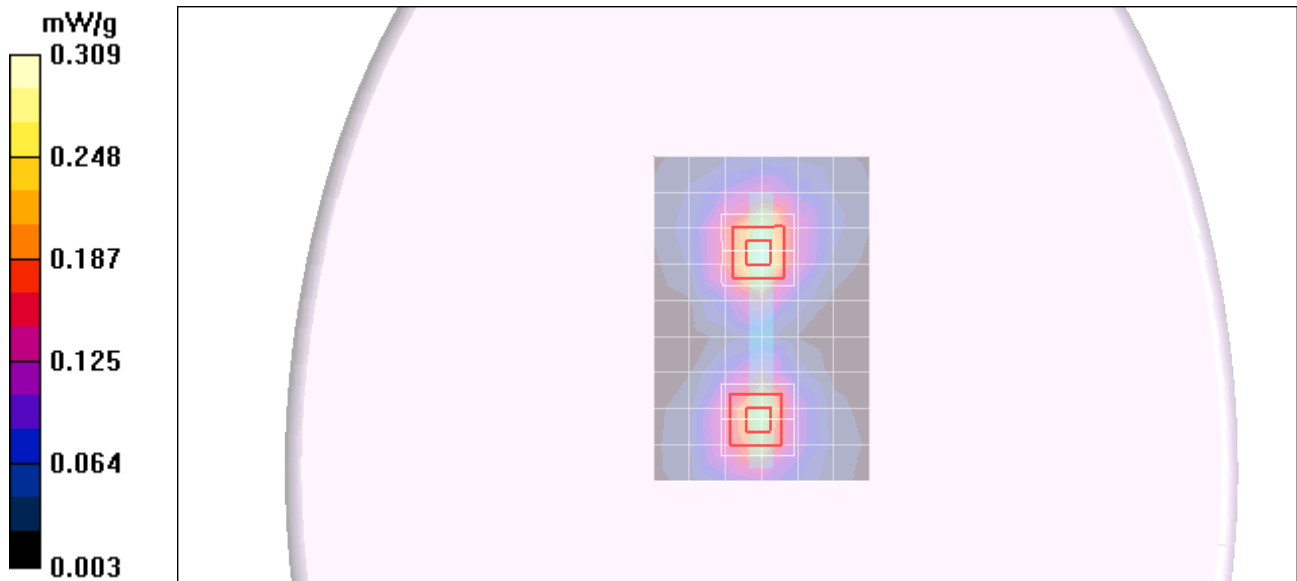
Right edge_M-ch/Zoom Scan (7x7x9)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.6 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.283 mW/g



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Phantom section: Flat Section

Room Ambient Temperature: 24.0 deg. C; Liquid Temperature: 23.0 deg. C

DASY4 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Probe: EX3DV4 - SN3749; ConvF(7.33, 7.33, 7.33); Calibrated: 12/13/2010
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn427; Calibrated: 7/21/2010
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1003
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Bottom edge_M-ch/Area Scan (7x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.458 mW/g

Bottom edge_M-ch/Zoom Scan (7x7x9)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 17.6 V/m; Power Drift = 0.157 dB

Peak SAR (extrapolated) = 0.690 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.221 mW/g

Maximum value of SAR (measured) = 0.505 mW/g

