

Test Laboratory: Compliance Certification Services Inc.

80211b Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11b WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

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 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Flat Low CH1/Area Scan (6x19x1):

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

Maximum value of SAR (measured) = 0.735 mW/g

Bottom Flat Low CH1/Zoom Scan (7x7x9)/Cube 0:

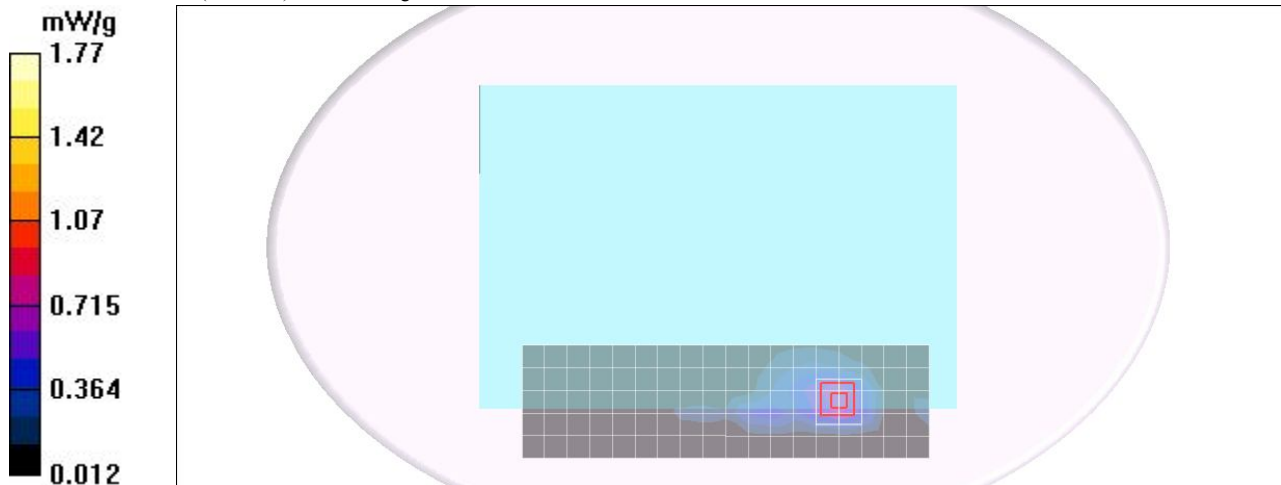
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 4.25 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.905 mW/g



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80211g Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11g WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

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 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Low CH1/Area Scan (6x12x1):

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

Maximum value of SAR (measured) = 0.633 mW/g

Bottom Low CH1/Zoom Scan (7x7x9)/Cube 0:

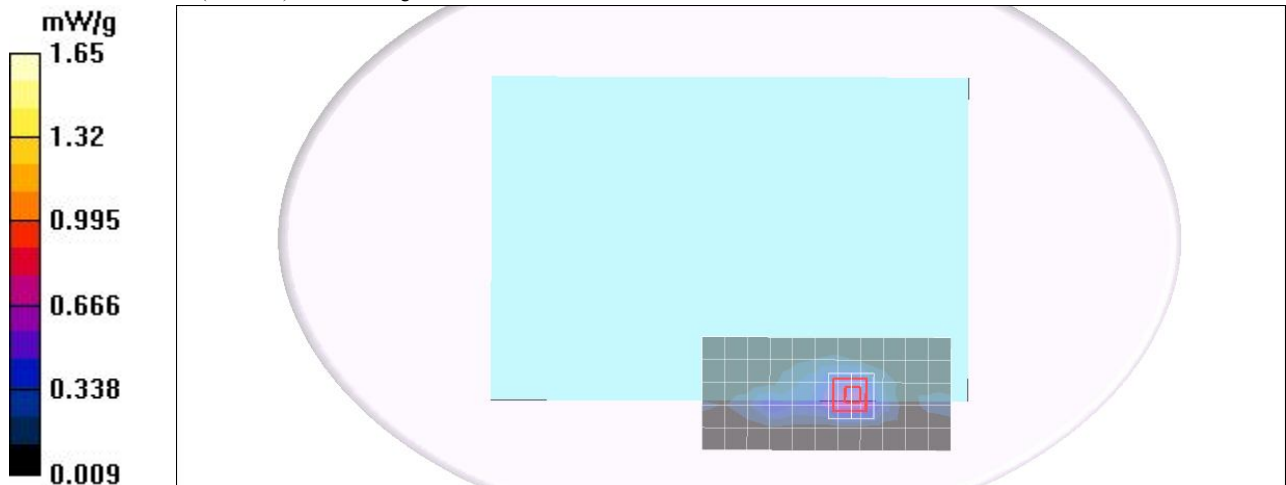
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.000 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.894 mW/g



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80211g Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11g WLAN; Frequency: 2442 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2442$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

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 0.0012 W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 2.5mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Middle CH7/Area Scan (6x12x1):

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

Maximum value of SAR (measured) = 1.10 mW/g

Bottom Middle CH7/Zoom Scan (7x7x9)/Cube 0:

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

Reference Value = 0.000 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 2.35 W/kg

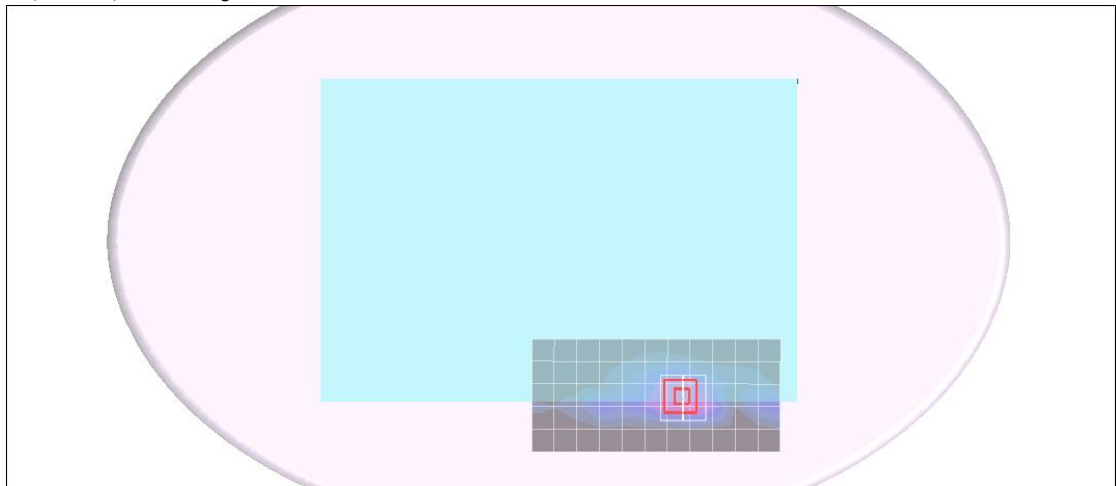
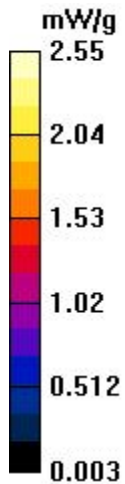
SAR(1 g) = 1.020 mW/g; SAR(10 g) = 0.473 mW/g

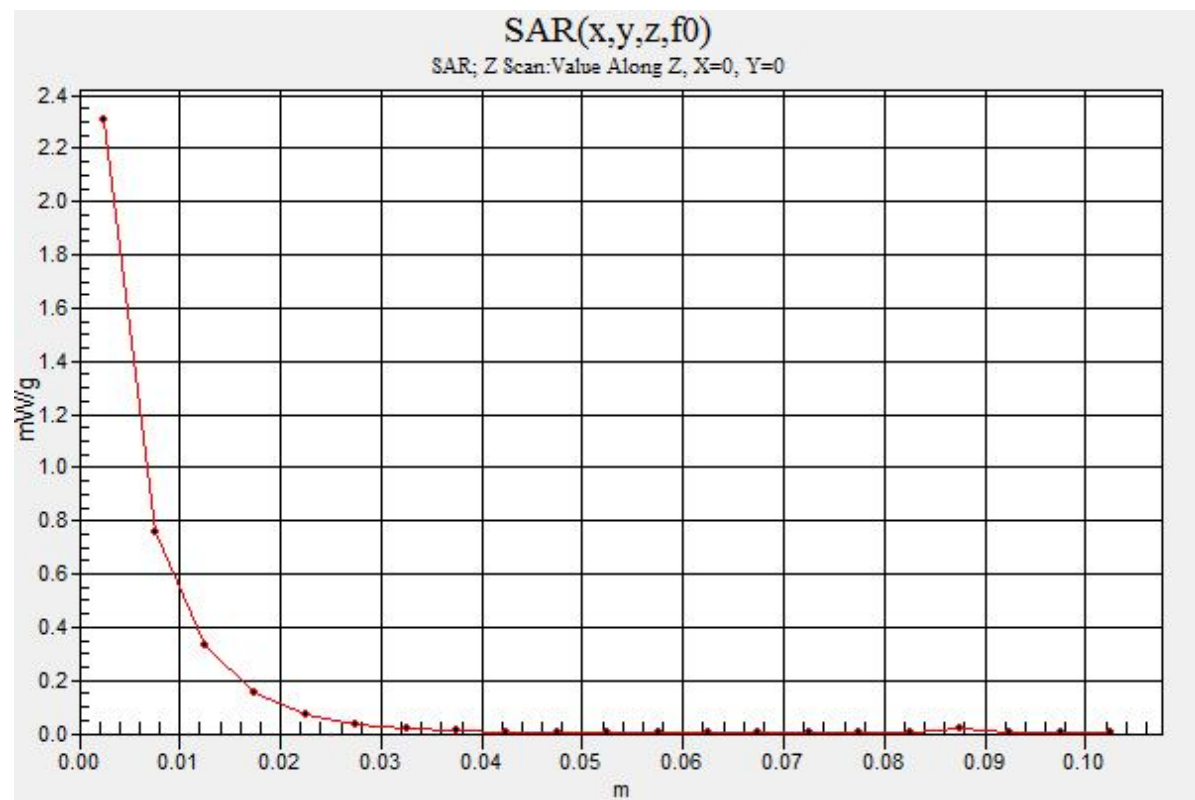
Maximum value of SAR (measured) = 1.48 mW/g

Bottom Middle CH7/Z Scan (1x1x21):

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

Maximum value of SAR (measured) = 2.31 mW/g





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80211g Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11g WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 51.6$; $\rho = 1000$ kg/m³

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 - SN3665; ConvF(7.47, 7.47, 7.47);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn877; Calibrated: 2011/3/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1056
- Measurement SW: DASY5, V5.0 Build 125; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom High CH11/Area Scan (6x12x1):

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

Maximum value of SAR (measured) = 0.331 mW/g

Bottom High CH11/Zoom Scan (7x7x9)/Cube 0:

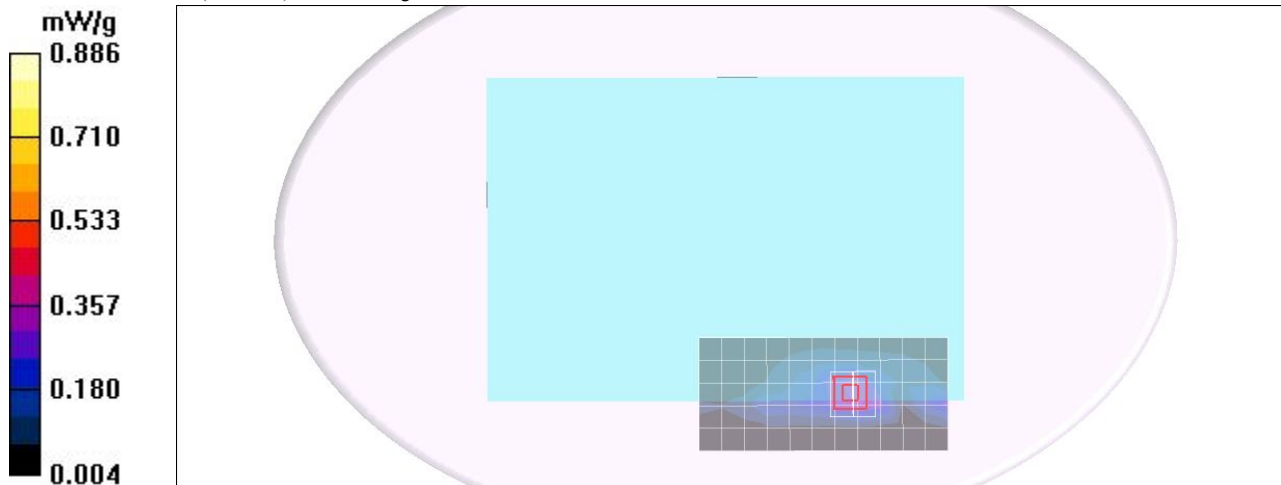
Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 0.809 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.692 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.436 mW/g



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80211n20 Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11n HT20 WLAN HT20; Frequency: 2442 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2442$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³
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 0.0012 W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Middle CH7/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm

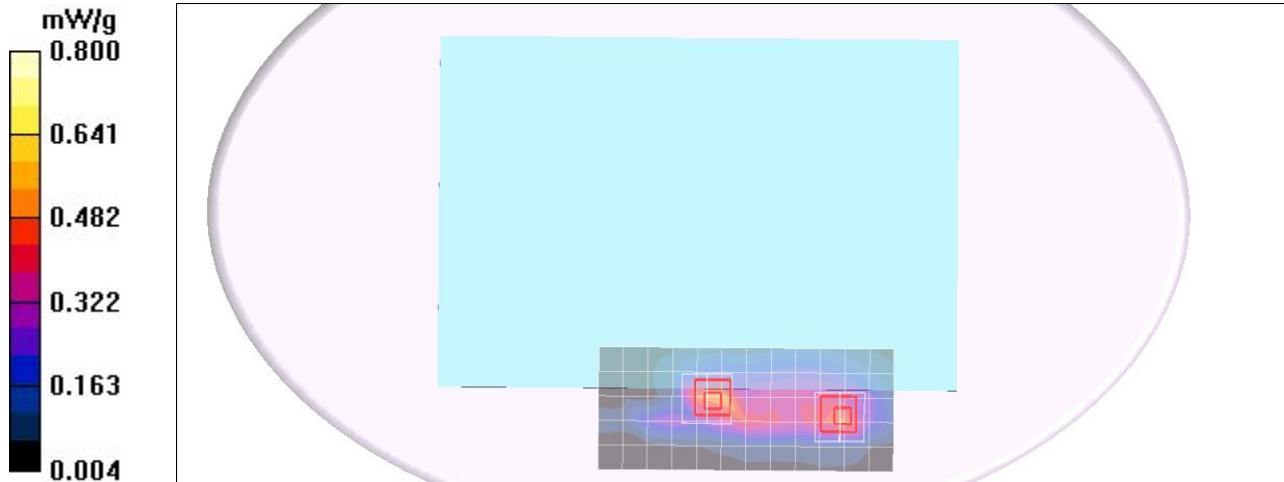
Maximum value of SAR (measured) = 0.554 mW/g

NB Bottom Middle CH7/Zoom Scan (7x7x9)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 0.656 mW/g

NB Bottom Middle CH7/Zoom Scan (7x7x9)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=3mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 0.807 W/kg
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.522 mW/g



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80211n40 NB Bottom - BCM 943225HMB

DUT: BCM 943225HMB; Type: WLAN+Bluetooth PCI-E MiniCard; Serial: n/a

Communication System: IEEE 802.11n HT40 WLAN; Frequency: 2422 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2422$ MHz; $\sigma = 1.93$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

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 0.0012 W/kg

DASY4 Configuration:

- Probe: EX3DV4 - SN3554; ConvF(6.12, 6.12, 6.12);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn558; Calibrated: 2011/7/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN: 1052
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

NB Bottom Low CH1/Area Scan (6x13x1):

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

Maximum value of SAR (measured) = 0.239 mW/g

NB Bottom Low CH1/Zoom Scan (7x7x9)/Cube 0:

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

Reference Value = 0.291 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.314 mW/g

NB Bottom Low CH1/Zoom Scan (7x7x9)/Cube 1:

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

Reference Value = 0.291 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.285 mW/g

