



Attachment 2 – SAR Test Plots

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

802.11b 6ch (2437MHz) - Back position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

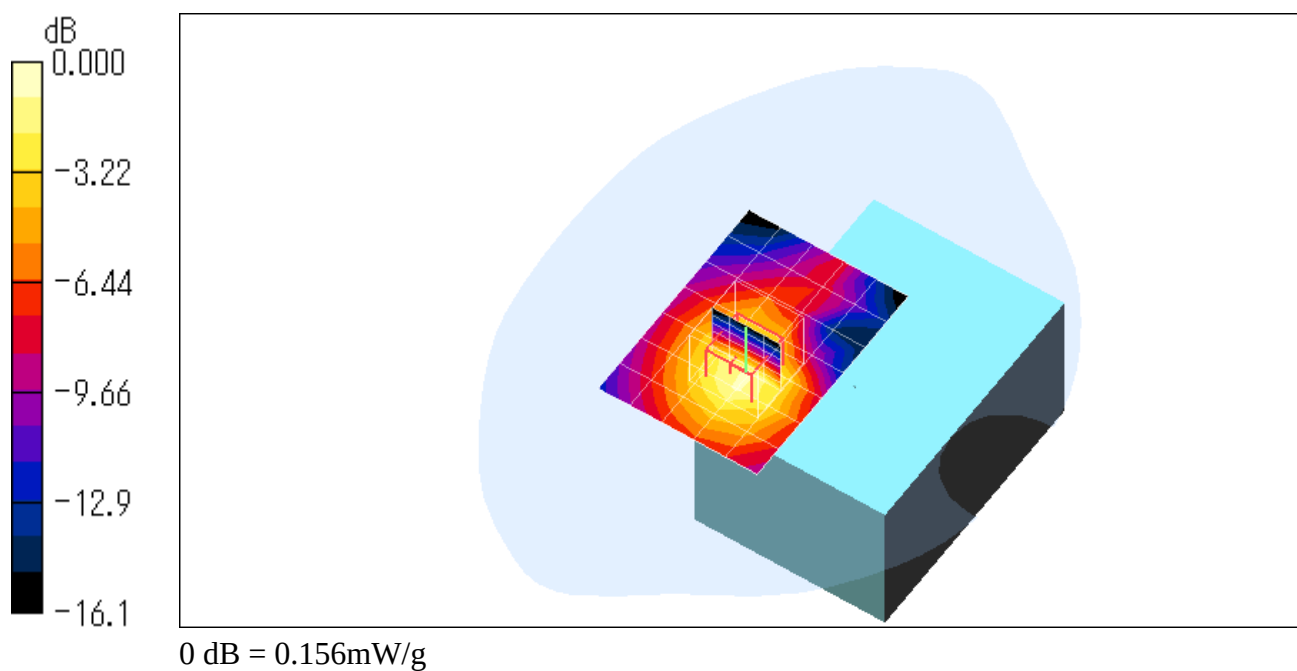
Medium: M2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.139 mW/g **Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 4.27 V/m ; Power Drift = -0.063 dB Peak SAR (extrapolated) = 0.314 W/kg **SAR(1 g) = 0.145 mW/g ; SAR(10 g) = 0.077 mW/g** Maximum value of SAR (measured) = 0.156 mW/g 

Test Laboratory: JAPAN QUALITY ASSURANCE ORGANIZATION

802.11g 6ch (2437MHz) - Back position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.115 mW/g

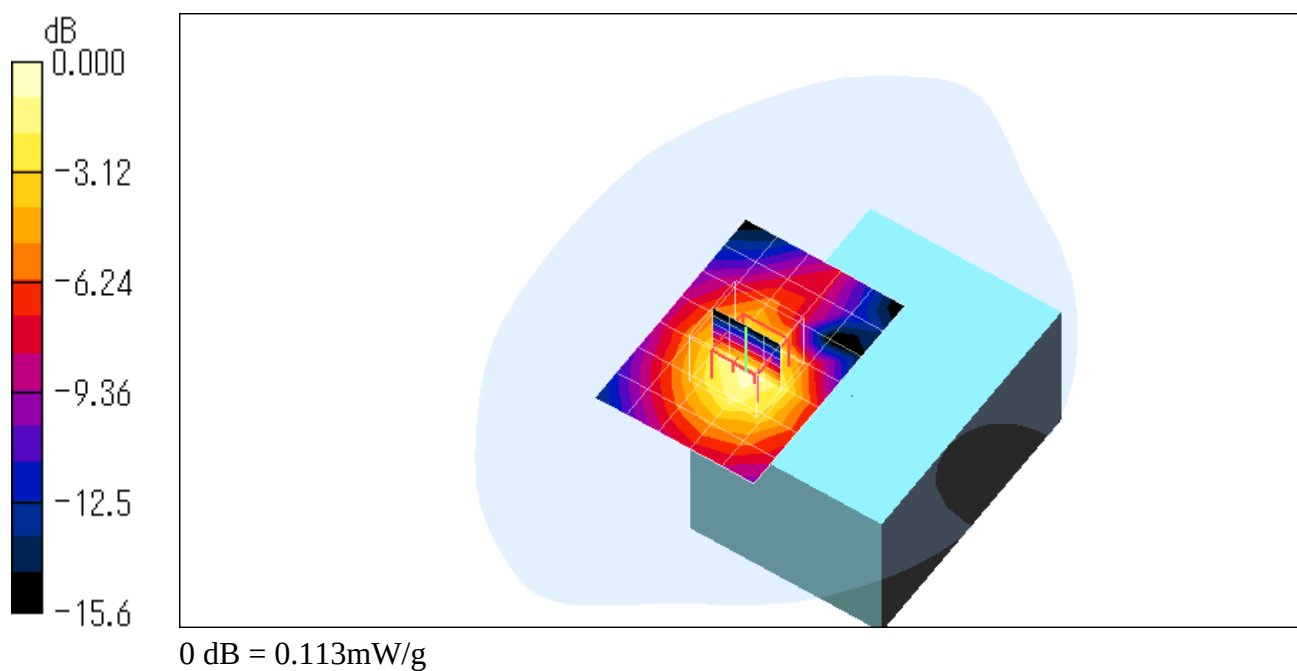
Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.05 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.231 W/kg

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.057 mW/g

Maximum value of SAR (measured) = 0.113 mW/g



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802.11b 1ch (2412MHz) - Side position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.478 mW/g

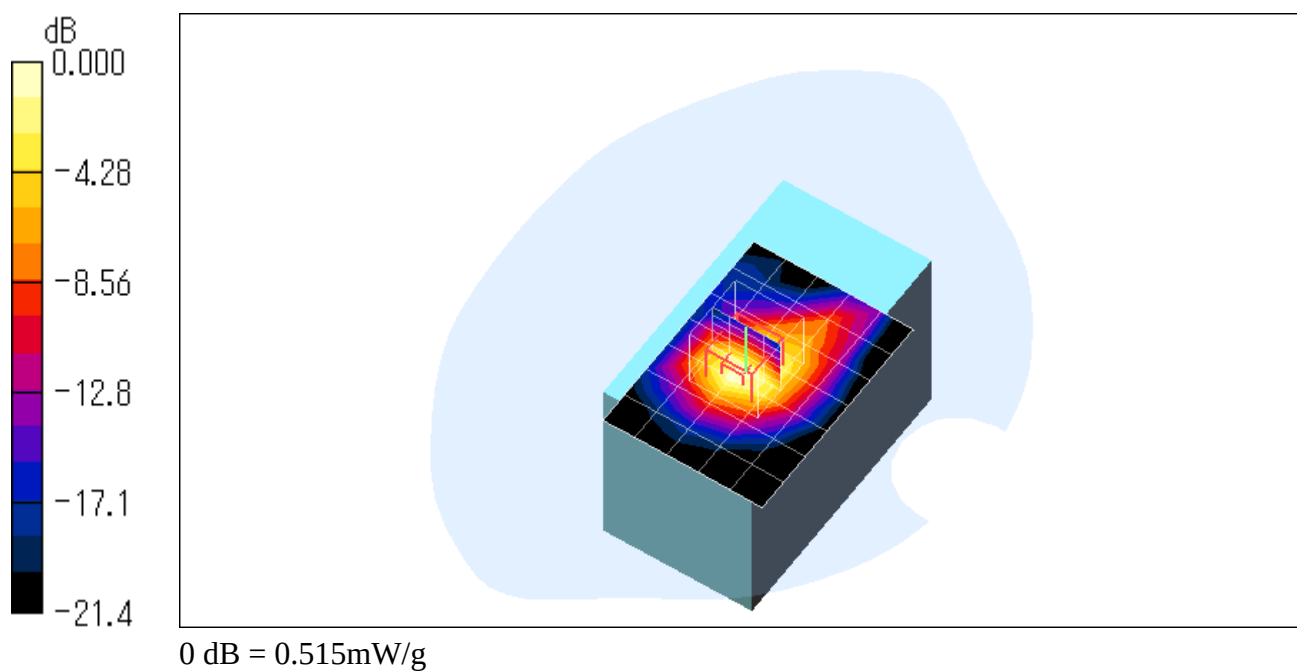
Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.515 mW/g



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802.11b 6ch (2437MHz) - Side position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.666 mW/g

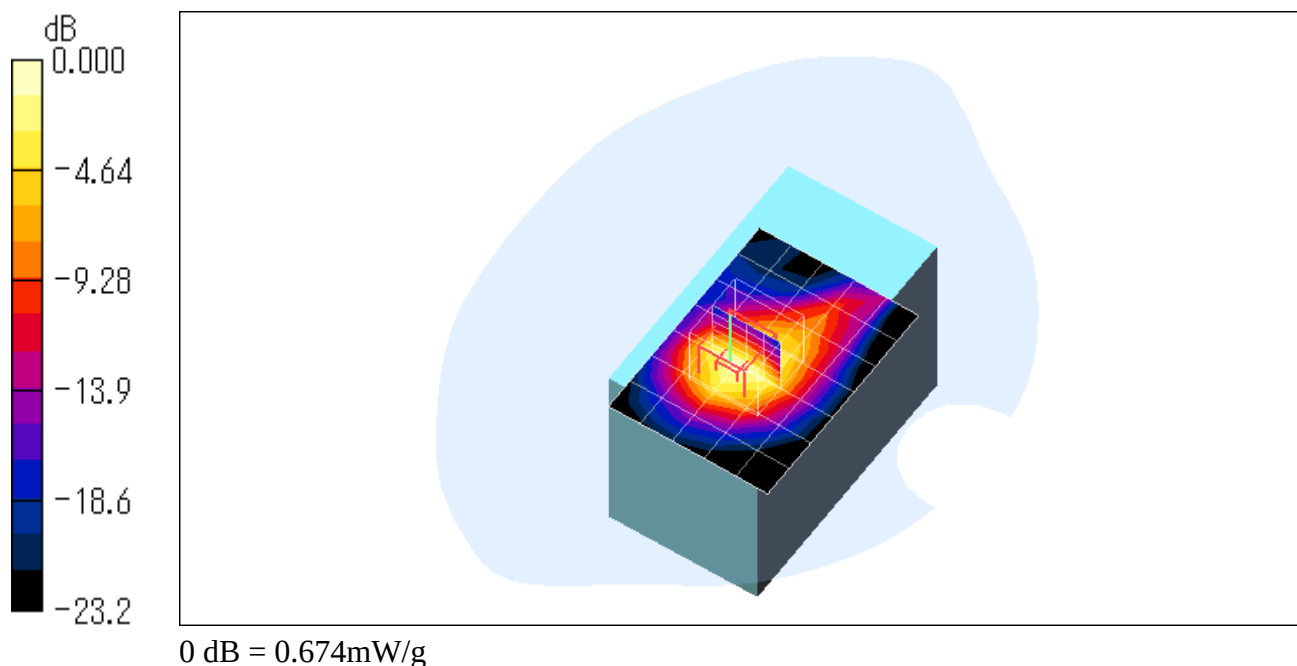
Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.4 V/m; Power Drift = 0.057 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.305 mW/g

Maximum value of SAR (measured) = 0.674 mW/g



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802.11b 11ch (2462MHz) - Side position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

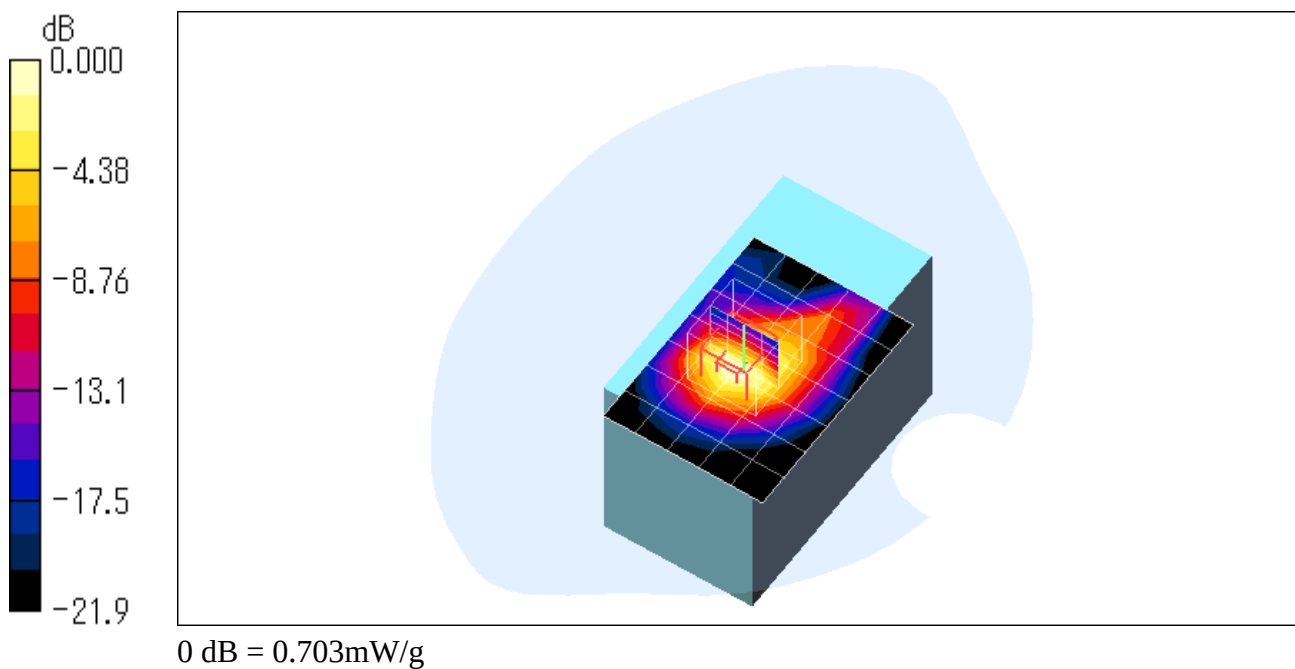
Medium: M2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.719 mW/g **Body-worn/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 13.6 V/m ; Power Drift = 0.041 dB Peak SAR (extrapolated) = 1.61 W/kg **SAR(1 g) = 0.693 mW/g ; SAR(10 g) = 0.325 mW/g** Maximum value of SAR (measured) = 0.703 mW/g 

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802.11b 11ch (2462MHz) - Side position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

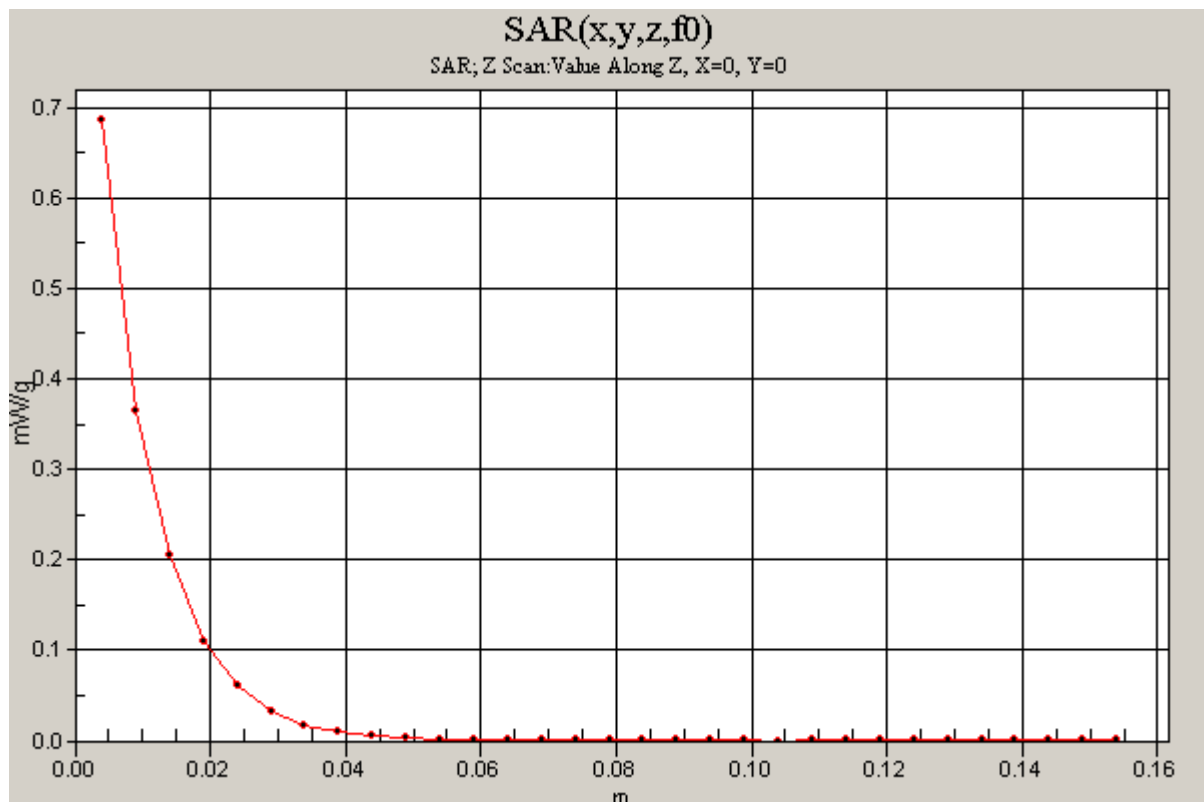
Medium: M2450 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
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- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Z Scan (1x1x31): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=5\text{mm}$ Maximum value of SAR (measured) = 0.686 mW/g 

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802.11g 6ch (2437MHz) - Side position**DUT: Barcode Printer; Type: MB200i-W2; Serial: Not Specified**

Communication System: WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: M2450 Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 2.01 \text{ mho/m}$; $\epsilon_r = 52$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ET3DV6 - SN1679; ConvF(4.29, 4.29, 4.29); Calibrated: 2006/11/16
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn508; Calibrated: 2006/11/09
- Phantom: SAM 1200; Type: QD 000 P40 CA; Serial: 1200
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn/Area Scan (6x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.518 mW/g

Body-worn/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.94 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.497 mW/g

