

Test Laboratory: Compliance Certification Services Inc.

## **D2450V2 SN-728 Body**

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:728**

Communication System: CW2450; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.0 deg C

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

### **DASY4 Configuration:**

- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94);
- Sensor-Surface: 4mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Pin=250mW,d=10mm/Area Scan (6x6x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.76 mW/g

**Pin=250mW,d=10mm/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 89.3 V/m; Power Drift = -0.010 dB

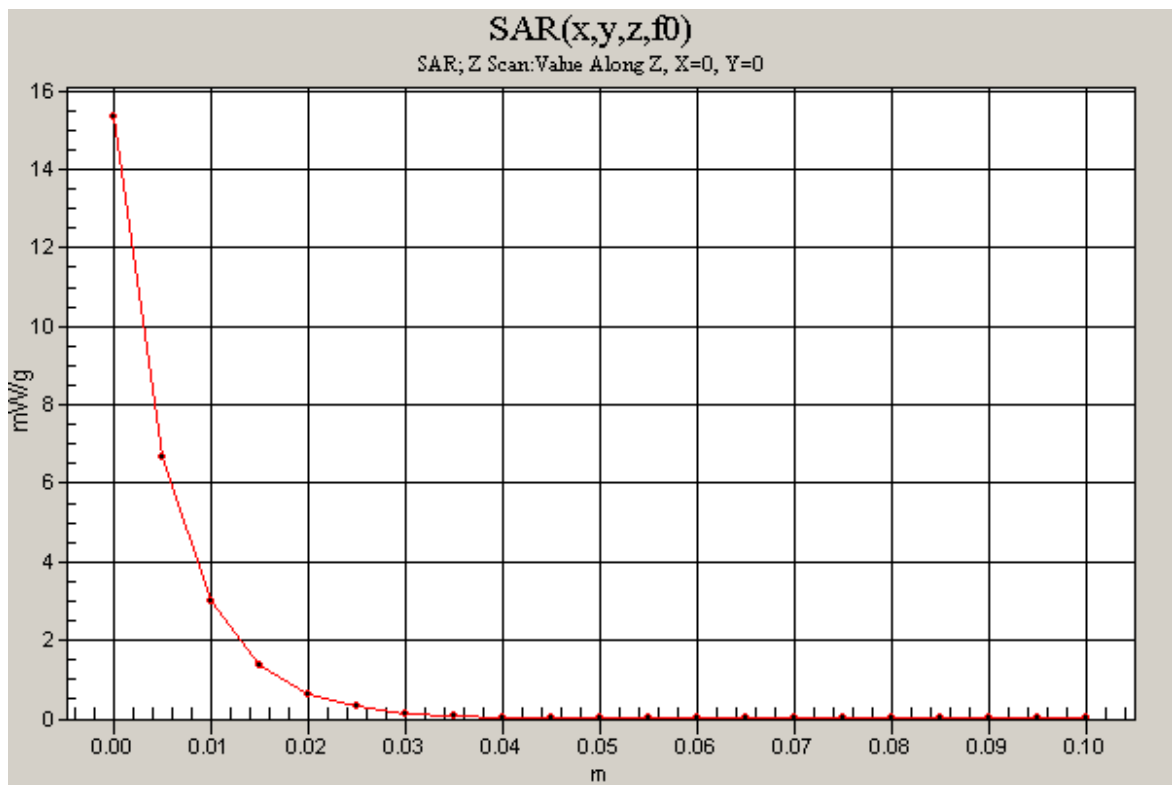
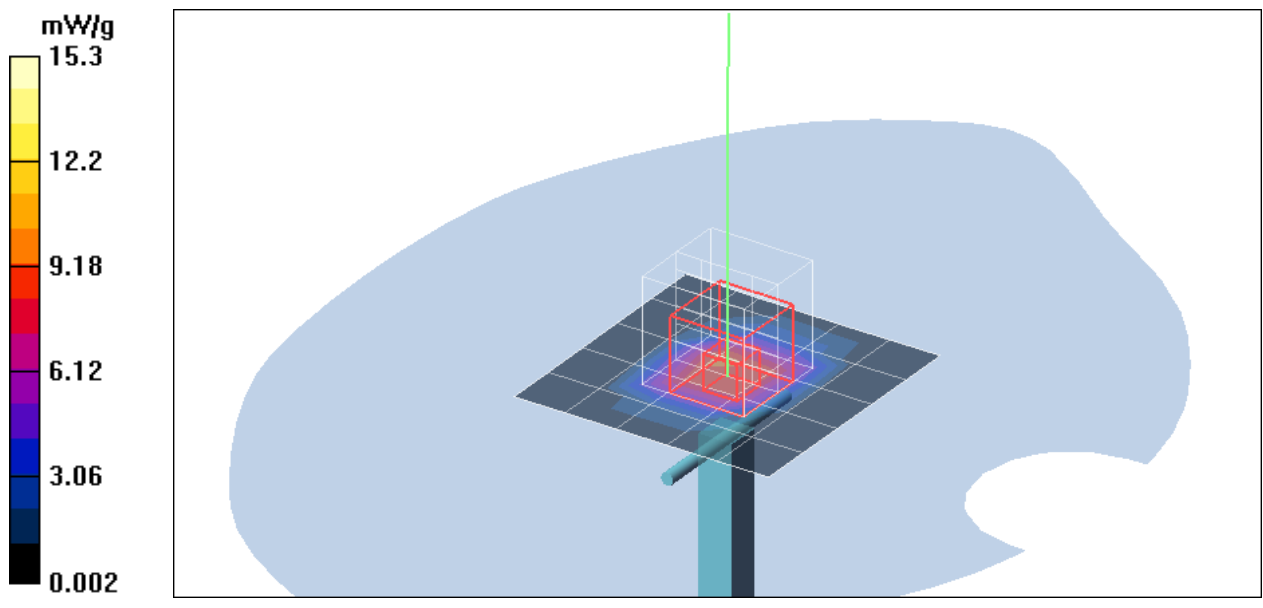
Peak SAR (extrapolated) = 31.9 W/kg

**SAR(1 g) = 13.6 mW/g; SAR(10 g) = 5.9 mW/g**

Maximum value of SAR (measured) = 15.2 mW/g

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

Maximum value of SAR (measured) = 15.3 mW/g



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## 802.11b Touch mode

**DUT: WCB-321A ; Type: 802.11g CARDBUS CARD; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.0 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Middle CH Rate=1M bit/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.109 mW/g

**Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.95 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.166 W/kg

**SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.042 mW/g**

Maximum value of SAR (measured) = 0.116 mW/g

**Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.95 V/m; Power Drift = -0.146 dB

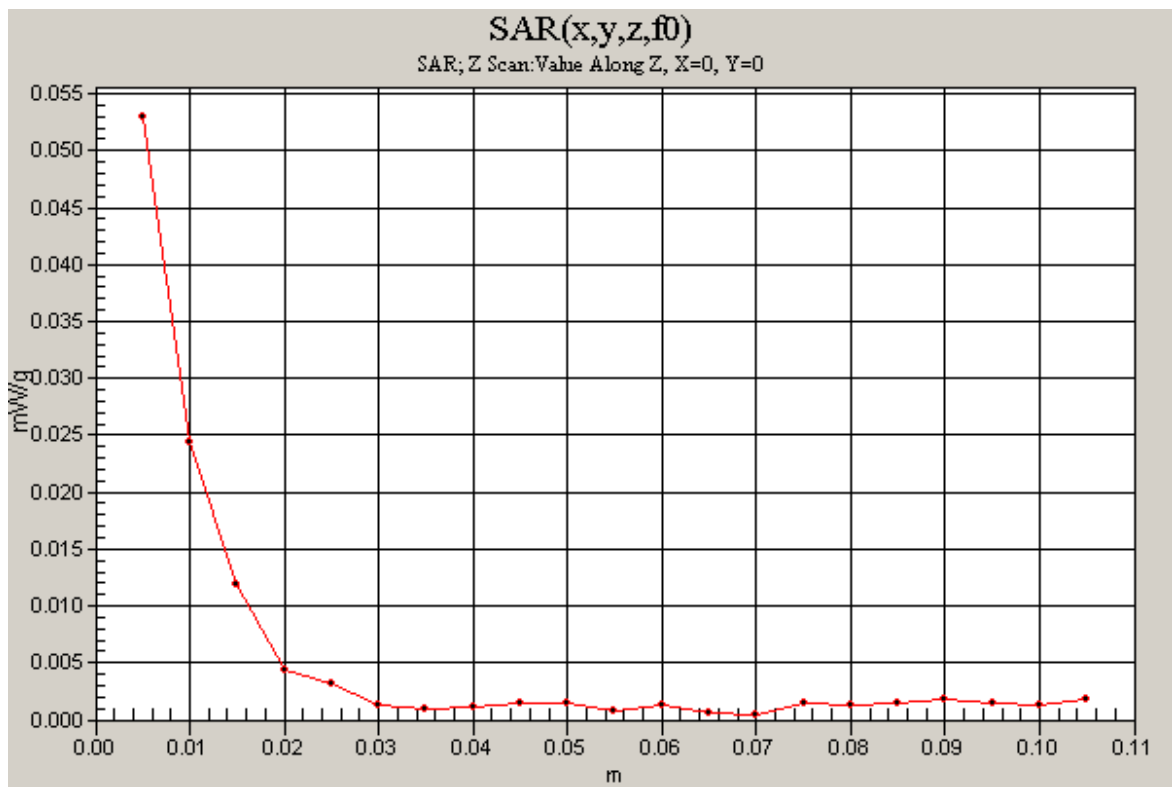
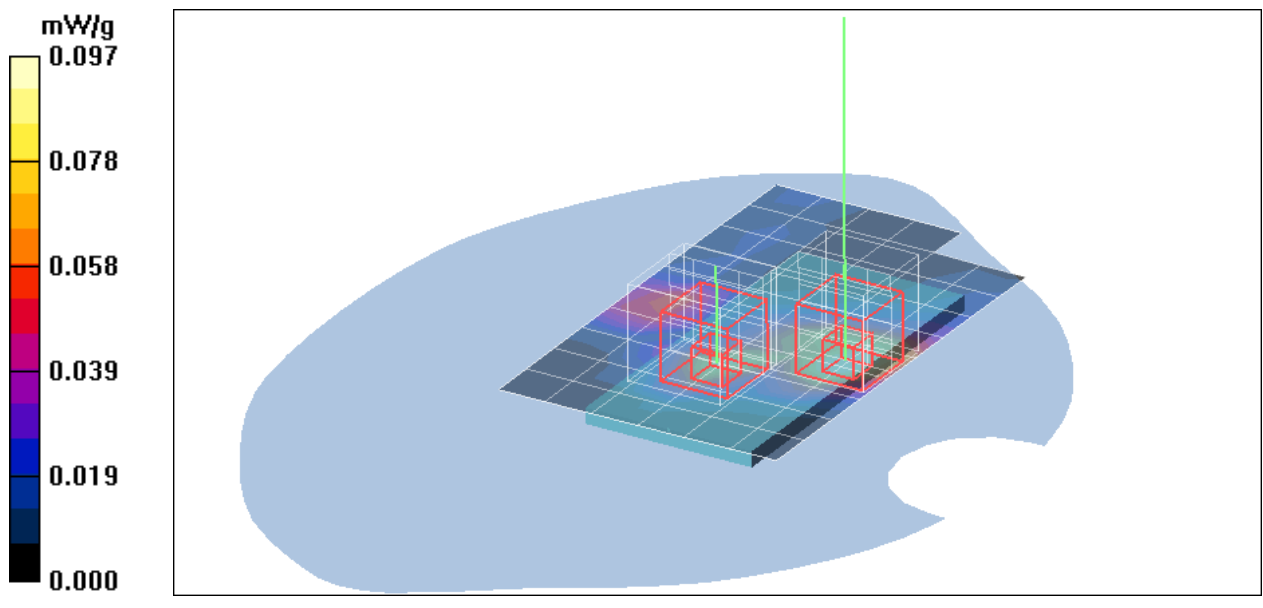
Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.097 mW/g

**Middle CH Rate=1M bit/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.053 mW/g



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## 802.11g Touch mode

**DUT: WCB-321A ; Type: 802.11g CARDBUS CARD; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.0 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Middle CH Rate=6M bit/Area Scan (8x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.082 mW/g

**Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.07 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.098 mW/g

**Middle CH Rate=6M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.07 V/m; Power Drift = -0.096 dB

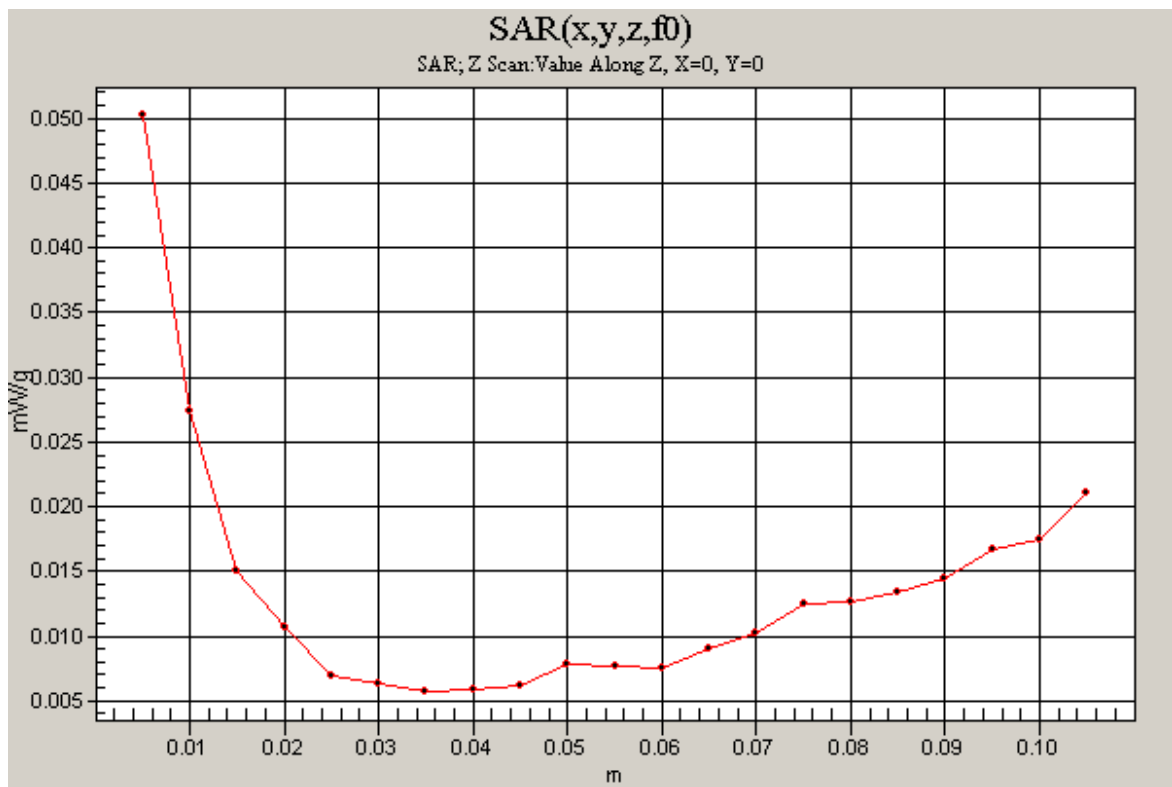
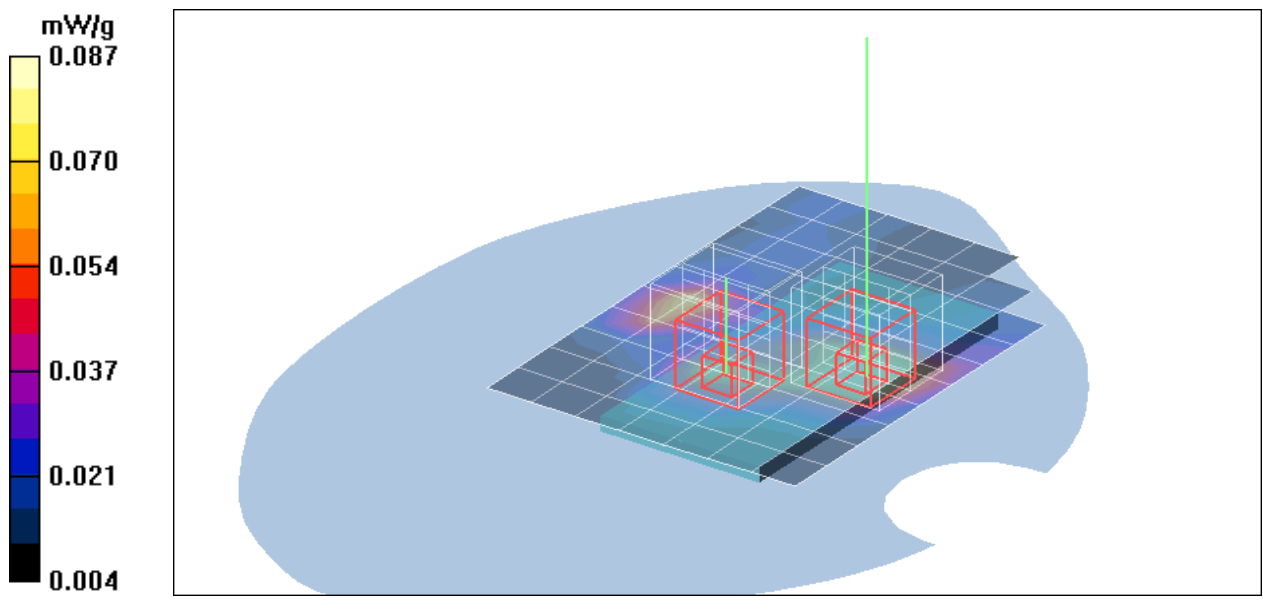
Peak SAR (extrapolated) = 0.138 W/kg

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.087 mW/g

**Middle CH Rate=6M bit/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.050 mW/g



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## 802.11g TURBO Touch mode

**DUT: WCB-321A ; Type: 802.11g CARDBUS CARD; Serial: N/A**

Communication System: IEEE 802.11g WLAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 24.2 deg C; Liquid Temperature: 23.0 deg C

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3552 ; ConvF(6.94, 6.94, 6.94);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn427; Calibrated: 9/22/2005
- Phantom: SAM 12; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.6 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 159

**Middle CH Rate=12M bit/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.086 mW/g

**Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 4.24 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.035 mW/g**

Maximum value of SAR (measured) = 0.097 mW/g

**Middle CH Rate=12M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm,

dy=7.5mm, dz=5mm

Reference Value = 4.24 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.078 mW/g

**Middle CH Rate=12M bit/Z Scan (1x1x21):** Measurement grid: dx=20mm, dy=20mm,

dz=5mm

Maximum value of SAR (measured) = 0.045 mW/g

