

Test Laboratory: Compliance Certification Services Inc.

## D2450V2 SN 728

**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;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 9.71 mW/g

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

Reference Value = 91.3 V/m; Power Drift = -0.123 dB

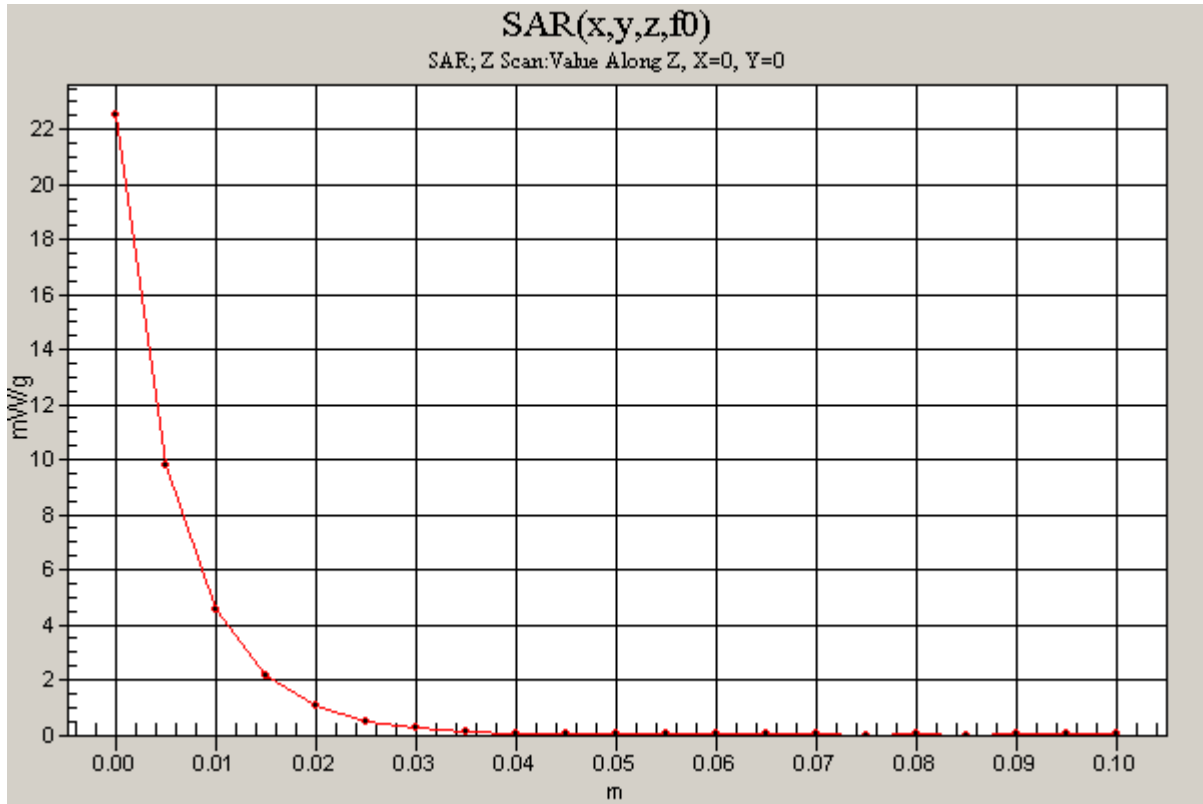
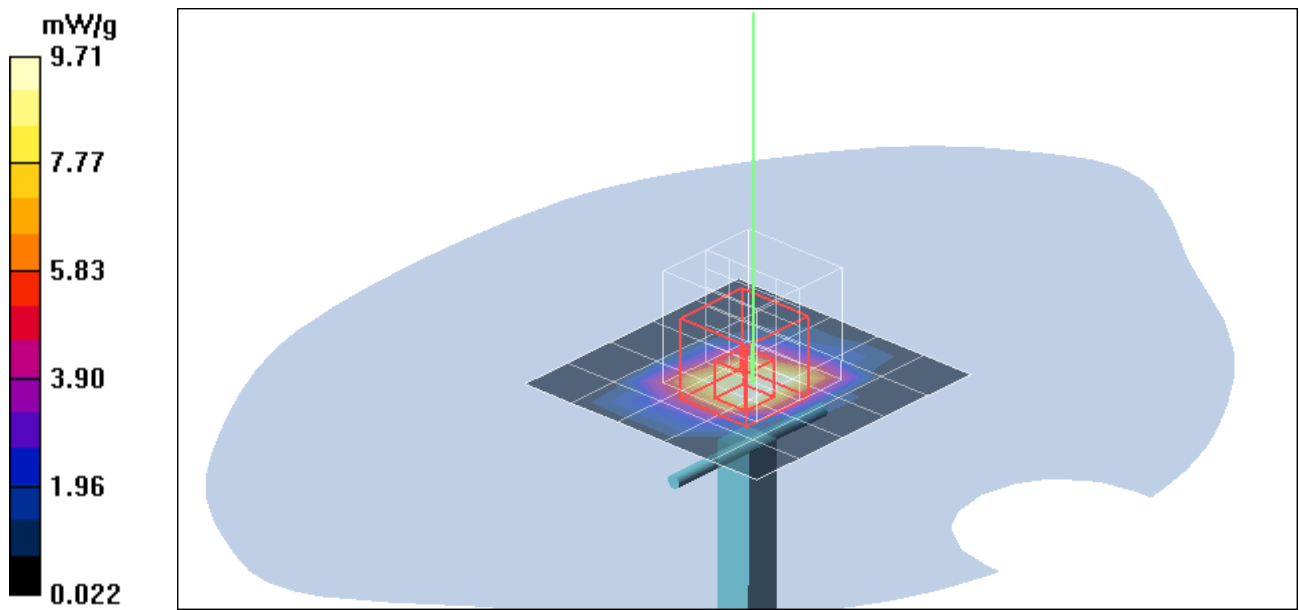
Peak SAR (extrapolated) = 31.3 W/kg

**SAR(1 g) = 13.8 mW/g; SAR(10 g) = 5.99 mW/g**

Maximum value of SAR (measured) = 15.5 mW/g

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

Maximum value of SAR (measured) = 22.5 mW/g



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## 802.11b Parallel Touch mode ant A

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low CH Rate=1M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.06 mW/g

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

Reference Value = 15.3 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.408 mW/g**

Maximum value of SAR (measured) = 1.12 mW/g

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

Reference Value = 15.3 V/m; Power Drift = -0.125 dB

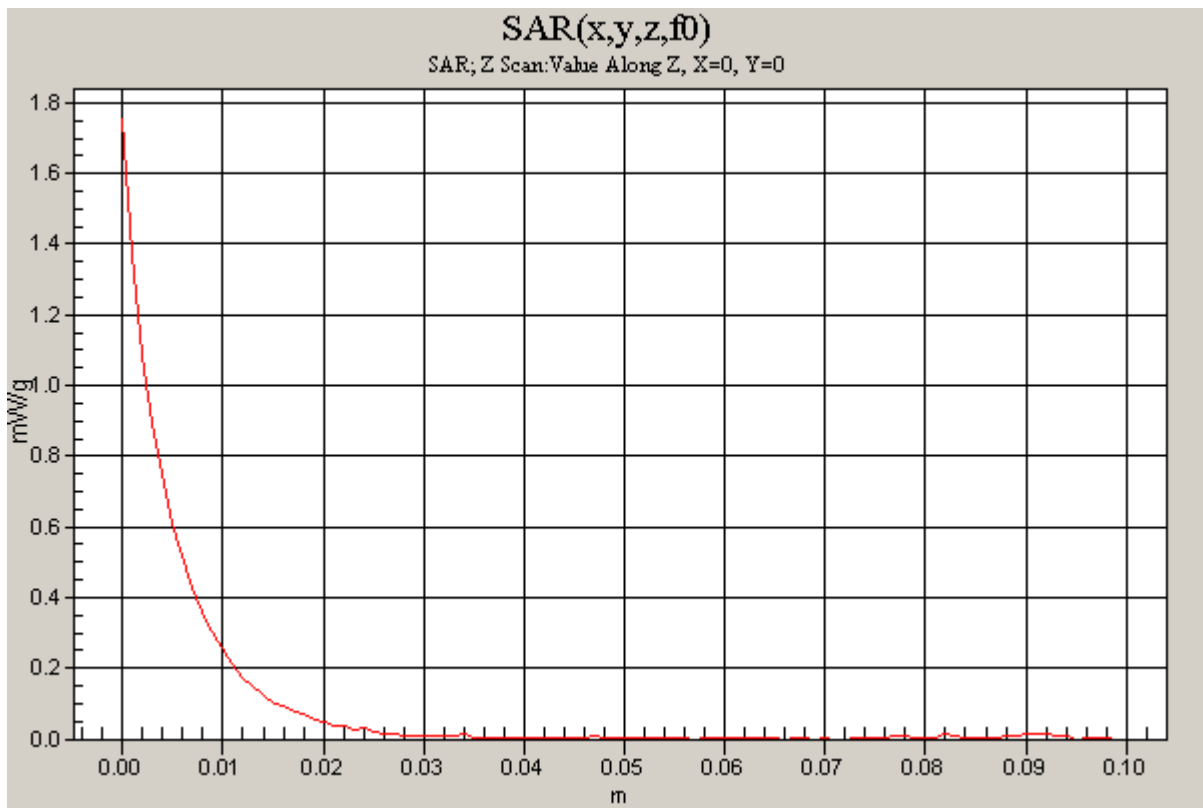
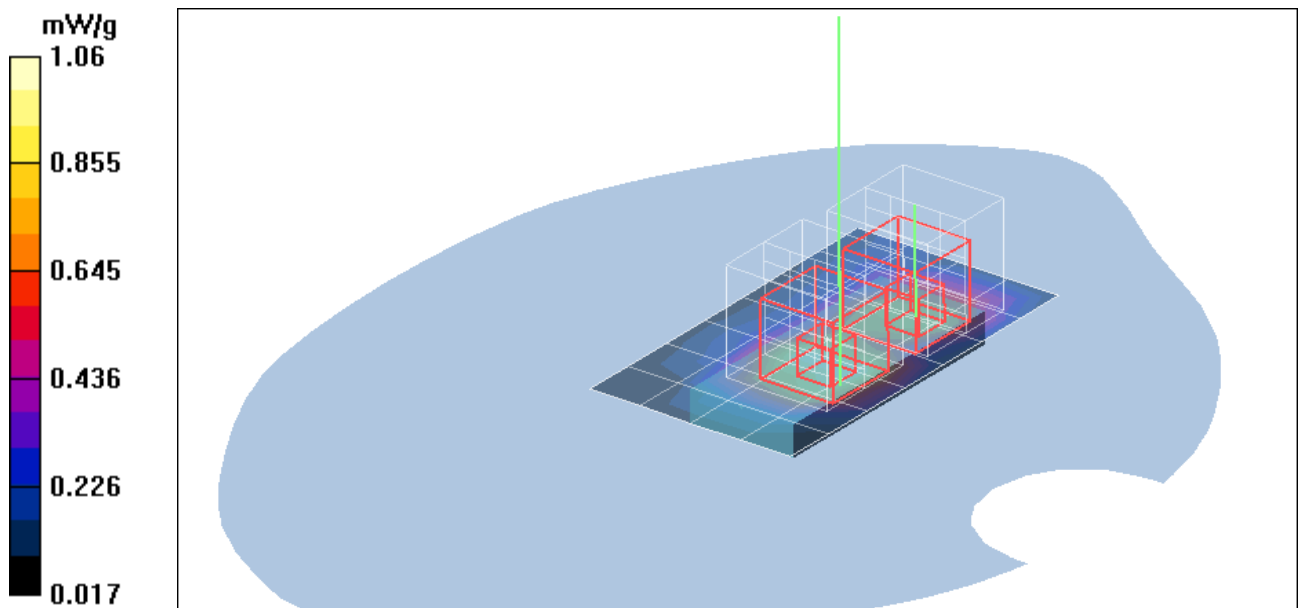
Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.952 mW/g

**Low CH Rate=1M bit/Z Scan (1x1x101):** Measurement grid: dx=20mm, dy=20mm, dz=1mm

Maximum value of SAR (measured) = 1.75 mW/g



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## 802.11b Parallel Touch mode ant A

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=1M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.02 mW/g

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

Reference Value = 15.1 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 1.64 W/kg

**SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.360 mW/g**

Maximum value of SAR (measured) = 0.995 mW/g

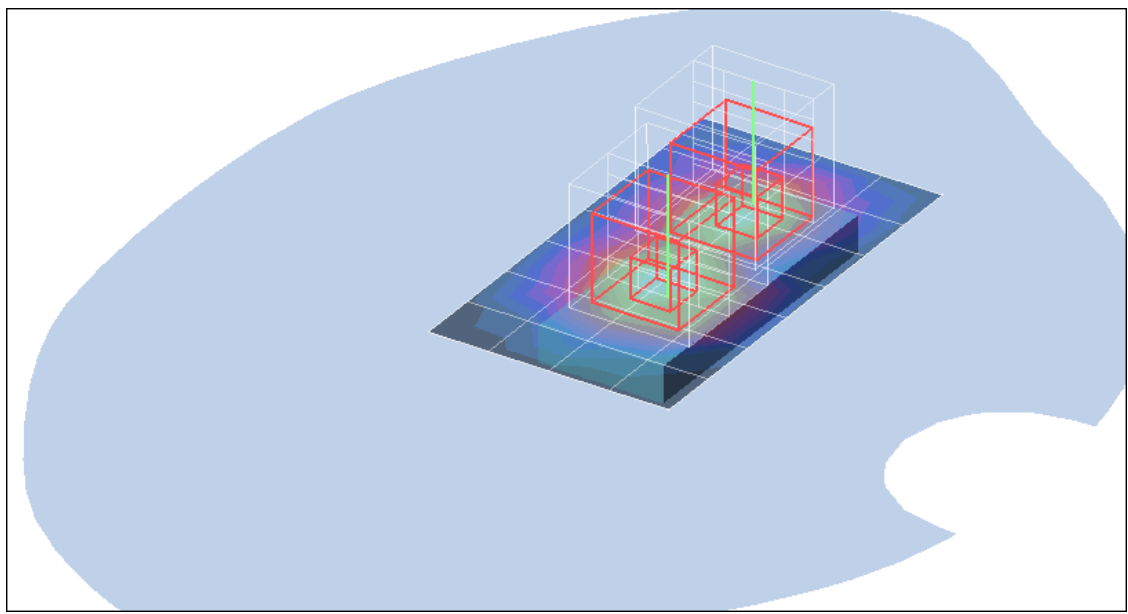
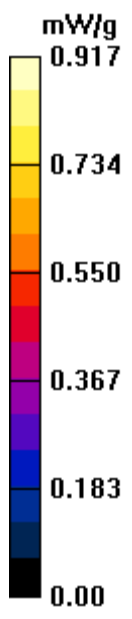
**Middle CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 15.1 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 1.37 W/kg

**SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.336 mW/g**

Maximum value of SAR (measured) = 0.917 mW/g



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## 802.11b Parallel Touch mode ant A

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**High CH Rate=1M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.918 mW/g

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

Reference Value = 14.0 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.323 mW/g**

Maximum value of SAR (measured) = 0.897 mW/g

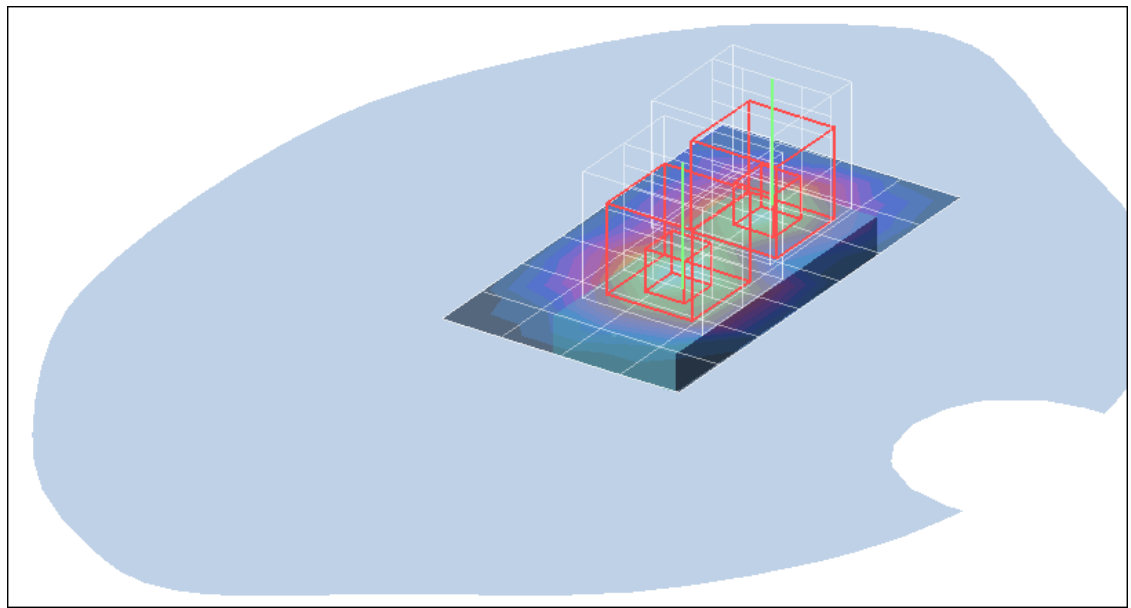
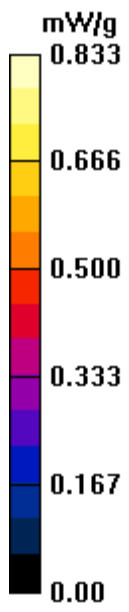
**High CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.833 mW/g





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## 802.11b Parallel Touch mode ant B

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Low CH Rate=1M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.912 mW/g

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

Reference Value = 14.4 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.373 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g

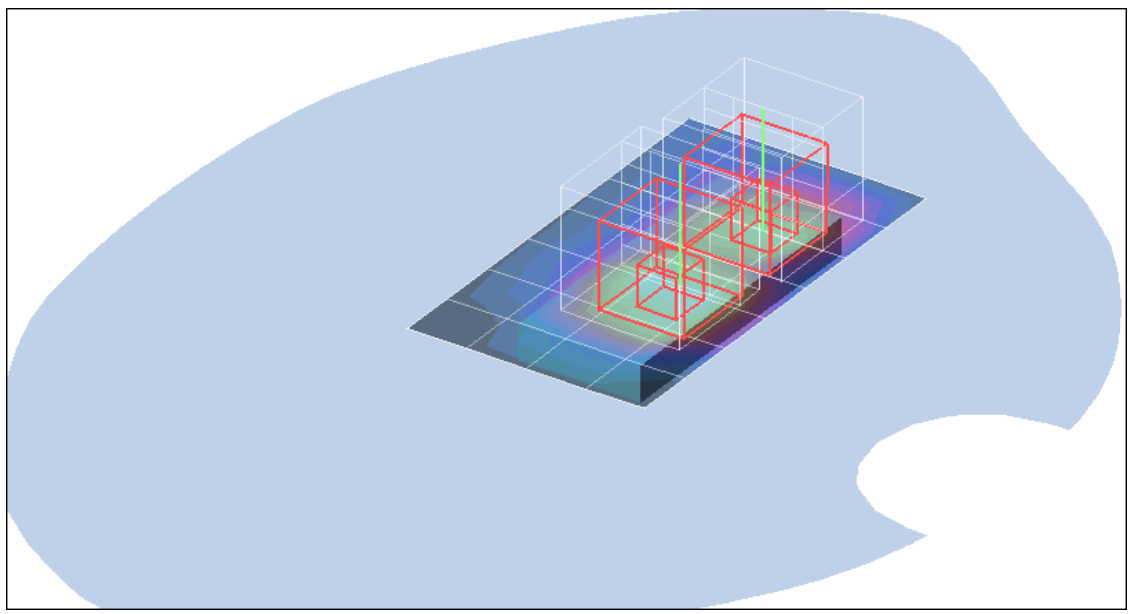
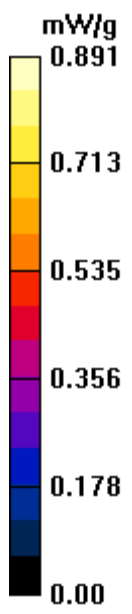
**Low CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.4 V/m; Power Drift = -0.065 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.333 mW/g**

Maximum value of SAR (measured) = 0.891 mW/g



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## 802.11b Parallel Touch mode ant B

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

Communication System: IEEE 802.11b WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1.1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**High CH Rate=1M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.920 mW/g

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

Reference Value = 14.0 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.45 W/kg

**SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.891 mW/g

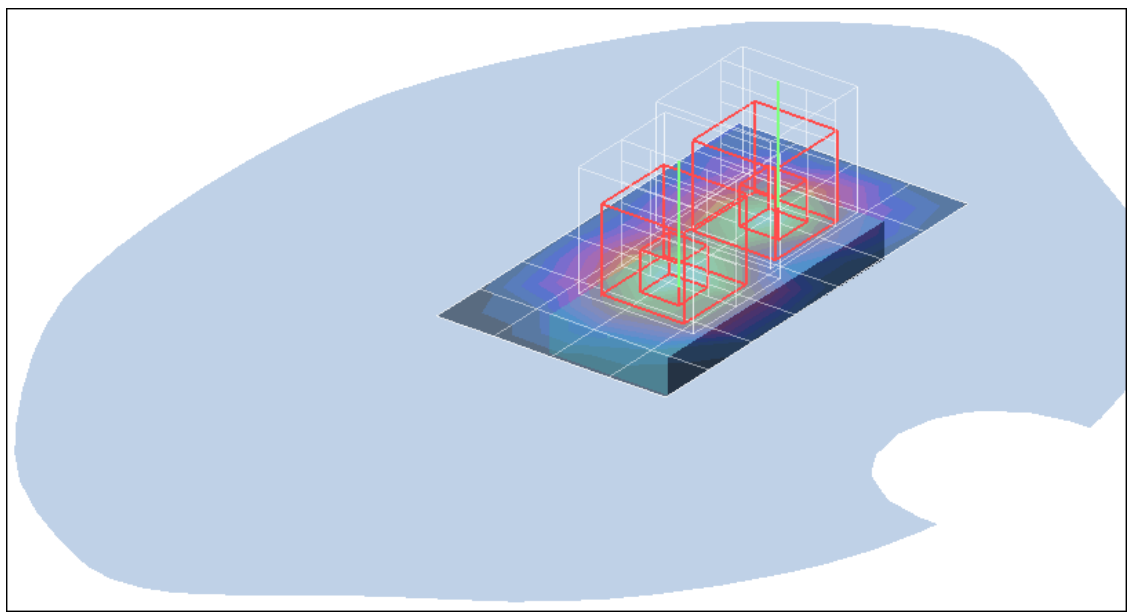
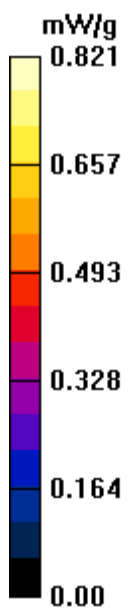
**High CH Rate=1M bit/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.299 mW/g**

Maximum value of SAR (measured) = 0.821 mW/g



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## 802.11g Parallel Touch mode ant A

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection) Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=6M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.387 mW/g

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

Reference Value = 8.73 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 0.569 W/kg

**SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.127 mW/g**

Maximum value of SAR (measured) = 0.347 mW/g

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

Reference Value = 8.73 V/m; Power Drift = -0.151 dB

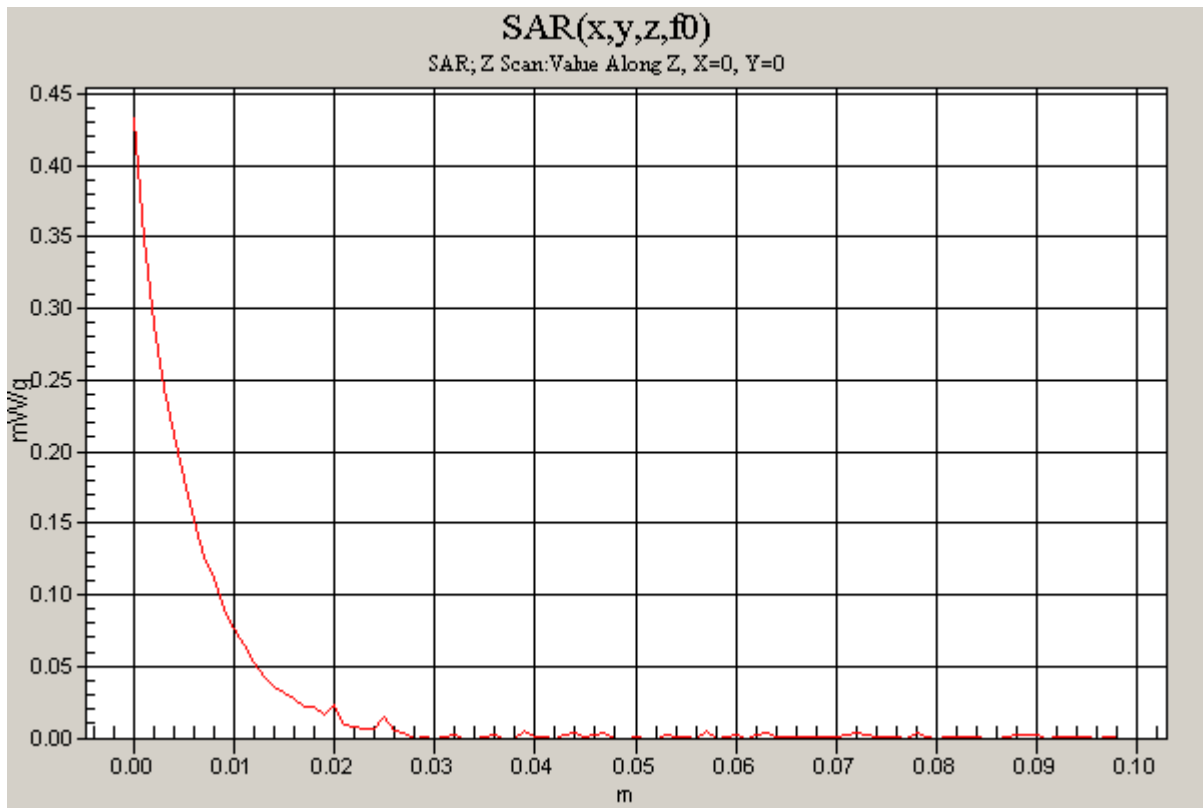
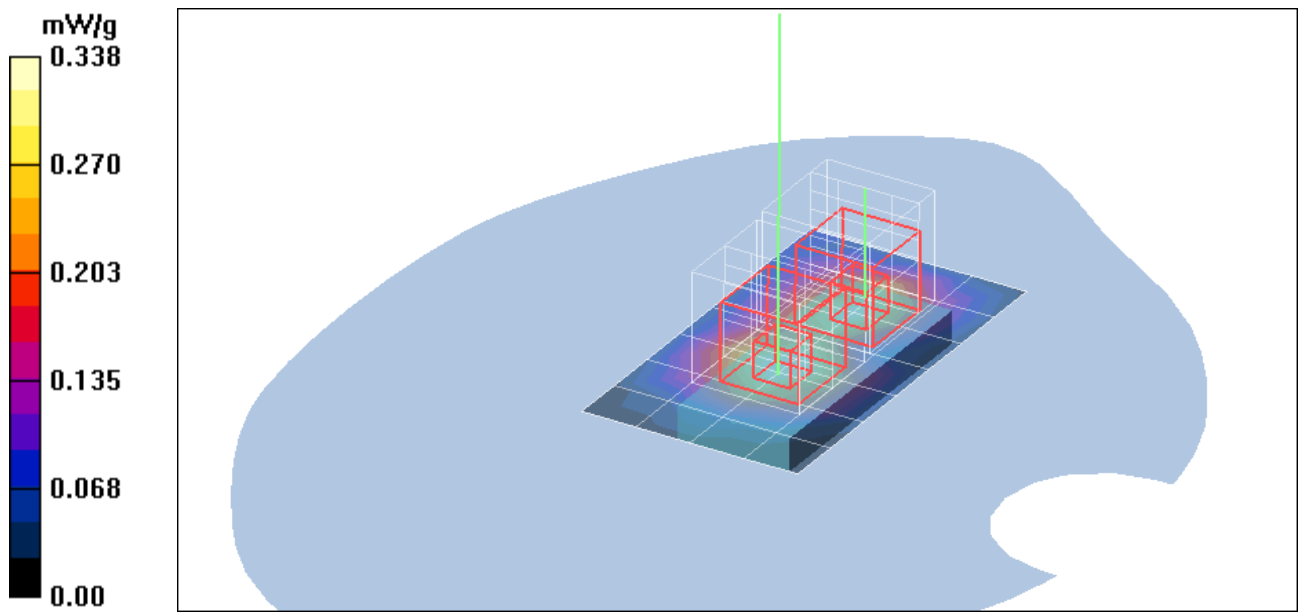
Peak SAR (extrapolated) = 0.526 W/kg

**SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.338 mW/g

**Middle CH Rate=6M bit/Z Scan (1x1x101):** Measurement grid: dx=20mm, dy=20mm, dz=1mm

Maximum value of SAR (measured) = 0.433 mW/g



Test Laboratory: Compliance Certification Services Inc.

## 802.11g Parallel Touch mode ant B

**DUT: GN-WB01GS; Type: 2.4GHz USB Dangle; Serial: N/A**

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Air Temperature: 25.3 deg C; Liquid Temperature: 24.2 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(6.14, 6.14, 6.14);
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn558; Calibrated: 8/24/2004
- Phantom: SAM 34; Type: SAM V4.0; Serial: TP-1150
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Middle CH Rate=6M bit/Area Scan (5x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.333 mW/g

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

Reference Value = 9.04 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.114 mW/g**

Maximum value of SAR (measured) = 0.321 mW/g

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

Reference Value = 9.04 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.488 W/kg

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.312 mW/g

