

APPENDIX A: TEST DATA

Liquid Level Photo

Tissue MSL2450MHz D=152mm



Test Laboratory: Bureau Veritas ADT

M01-Front-11B Ch 6 /ANT DAC 1

DUT: WIFI ADAPTER ; Type: CBK-WA01

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section ; Separation distance : 5 mm (The Front side of the Holster to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(7.96, 7.96, 7.96) ; Calibrated: 2009/4/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910 ; Calibrated: 2009/9/18
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 125 ; SEMCAD X Version 13.4 Build 125

Mid Channel 6/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.15 mW/g

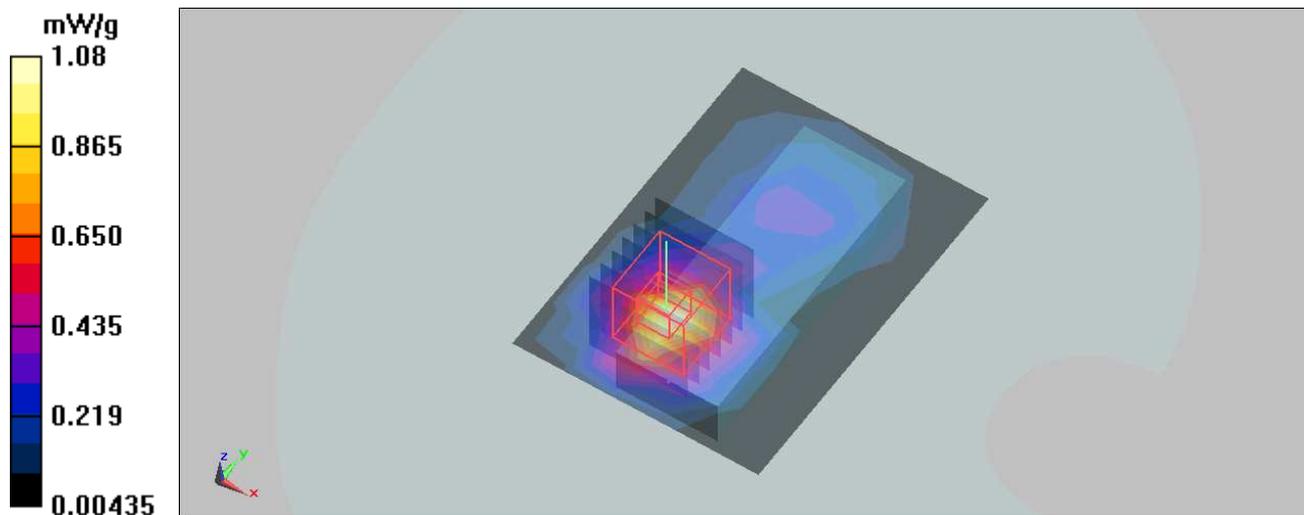
Mid Channel 6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.6 V/m; Power Drift = -1.1 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = **0.815** mW/g; SAR(10 g) = 0.395 mW/g

Maximum value of SAR (measured) = 1.08 mW/g



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Phantom section: Flat Section ; Separation distance : 5 mm (The Front side of the Holster to the Phantom)

DASY5 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(7.96, 7.96, 7.96) ; Calibrated: 2009/4/28
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910 ; Calibrated: 2009/9/18
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 125 ; SEMCAD X Version 13.4 Build 125

Mid Channel 6/Area Scan (13x22x1): Measurement grid: dx=5mm, dy=5mm

Maximum value of SAR (measured) = 1.08 mW/g

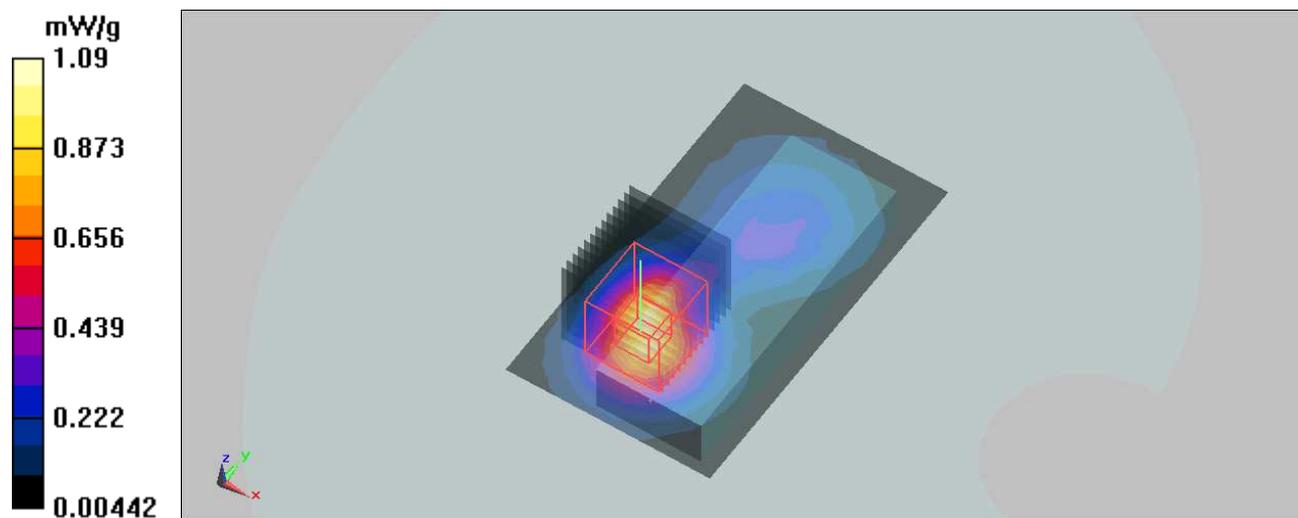
Mid Channel 6/Zoom Scan (7x7x7) (13x13x13)/Cube 0: Measurement grid: dx=2.5mm, dy=2.5mm, dz=2.5mm

Reference Value = 15.8 V/m; Power Drift = 0.078 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = **0.827** mW/g; SAR(10 g) = **0.387** mW/g

Maximum value of SAR (measured) = 1.09 mW/g



Test Laboratory: Bureau Veritas ADT

System validation MSL 2450MHz -1/19

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 716 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL2450; Medium parameters used: $f = 2450$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 52.6$; $\rho = 1000$ kg/m³ ; Liquid level : 152 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 23.2 degrees ; Liquid temp. : 22.6 degrees

DASY5 Configuration:

- Probe: EX3DV4 - SN3590 ; ConvF(7.96, 7.96, 7.96) ; Calibrated: 2009/4/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2009/9/18
- Phantom: SAM with CRP; Type: SAM; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 17.8 mW/g

d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 94.3 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 17.7 mW/g

