

Test Laboratory: Bureau Veritas ADT

M49-11b-Ch1(Edge-R / Ant-90 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
 Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Low Channel 1/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.03 mW/g

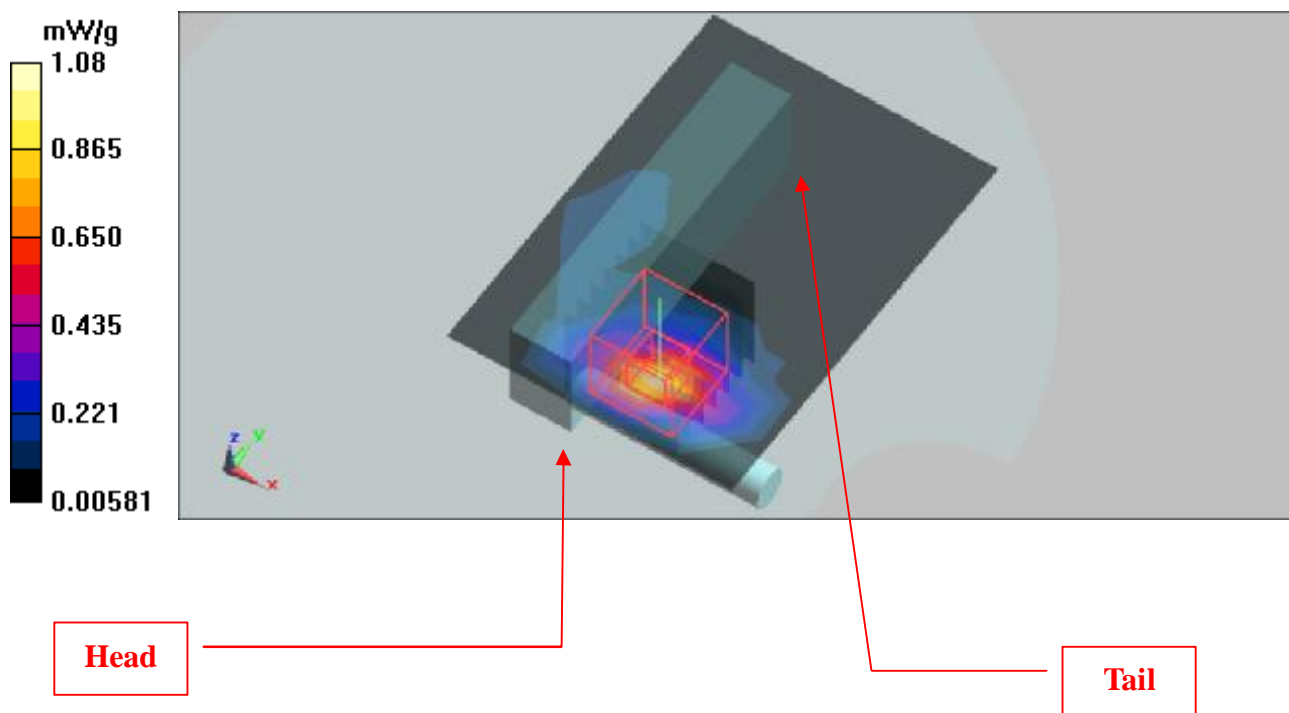
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.01 V/m

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.350 mW/g

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



Test Laboratory: Bureau Veritas ADT

M49-11b-Ch6(Edge-R / Ant-90 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.32 mW/g

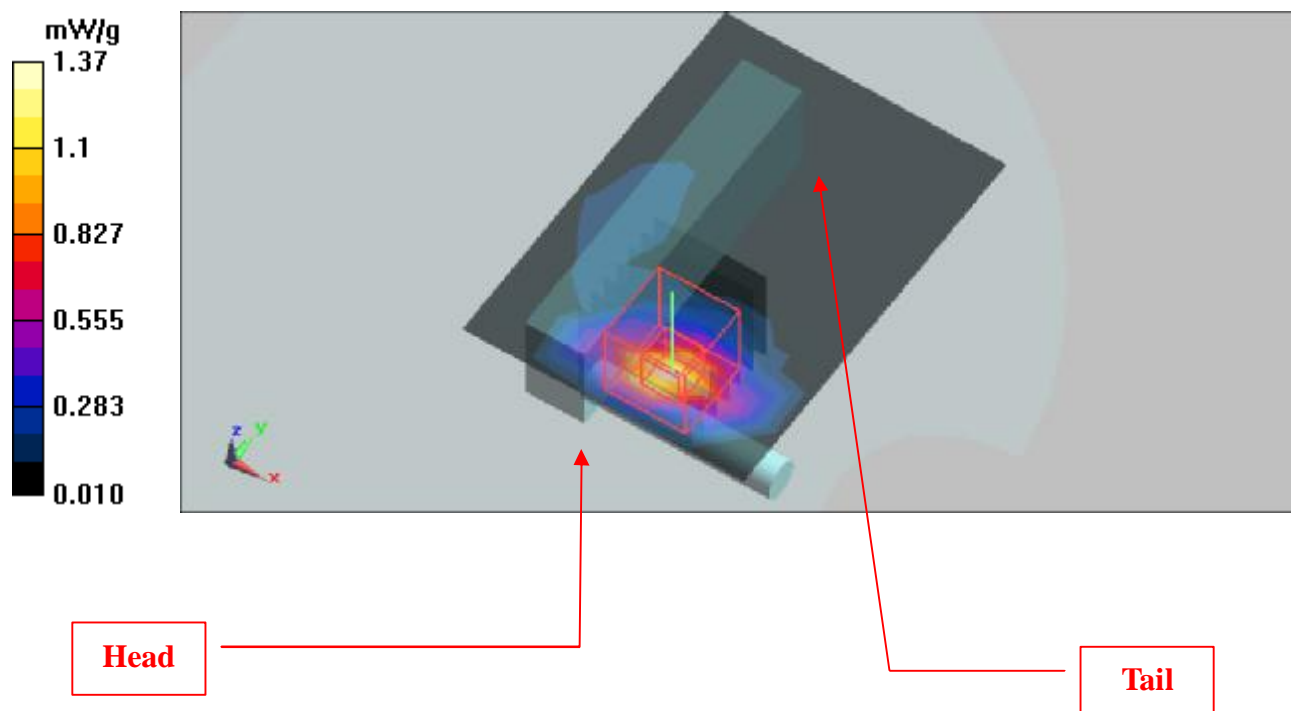
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

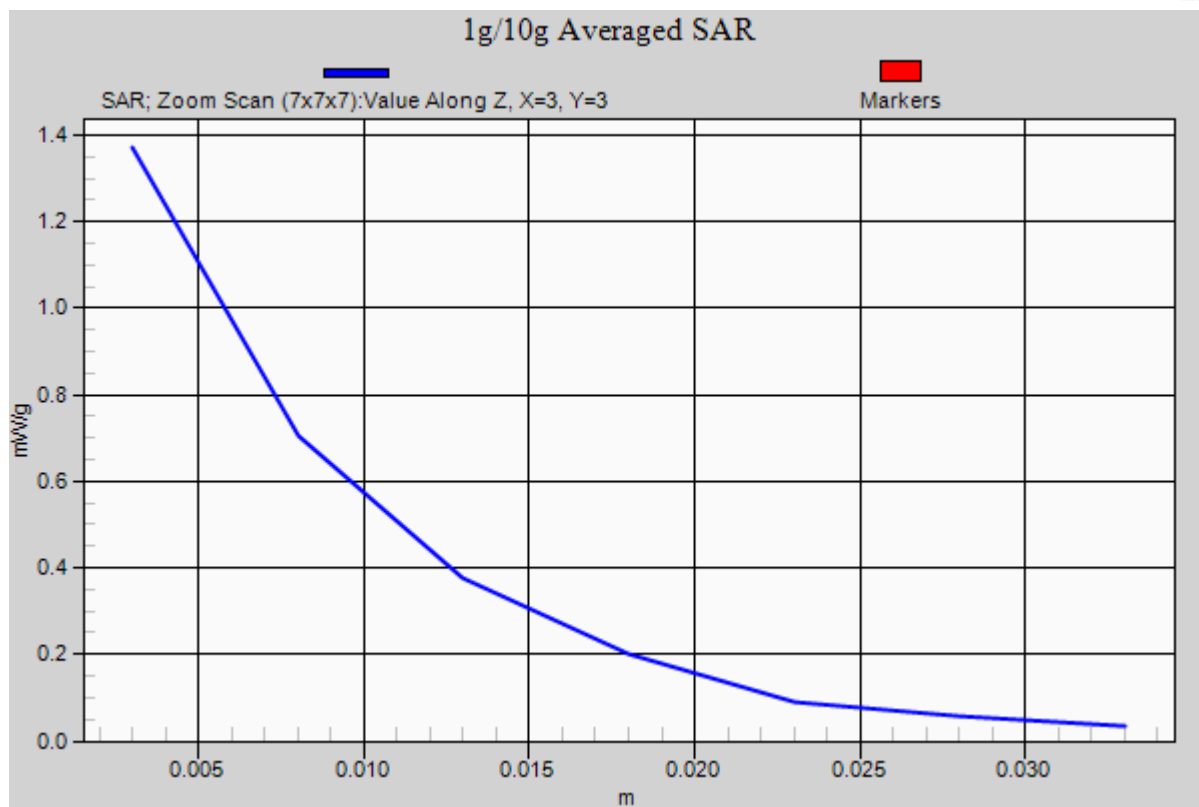
Reference Value = 7.19 V/m

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 1.37 mW/g





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M49-11b-Ch11(Edge-R / Ant-90 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
 Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

High Channel 11/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.2 mW/g

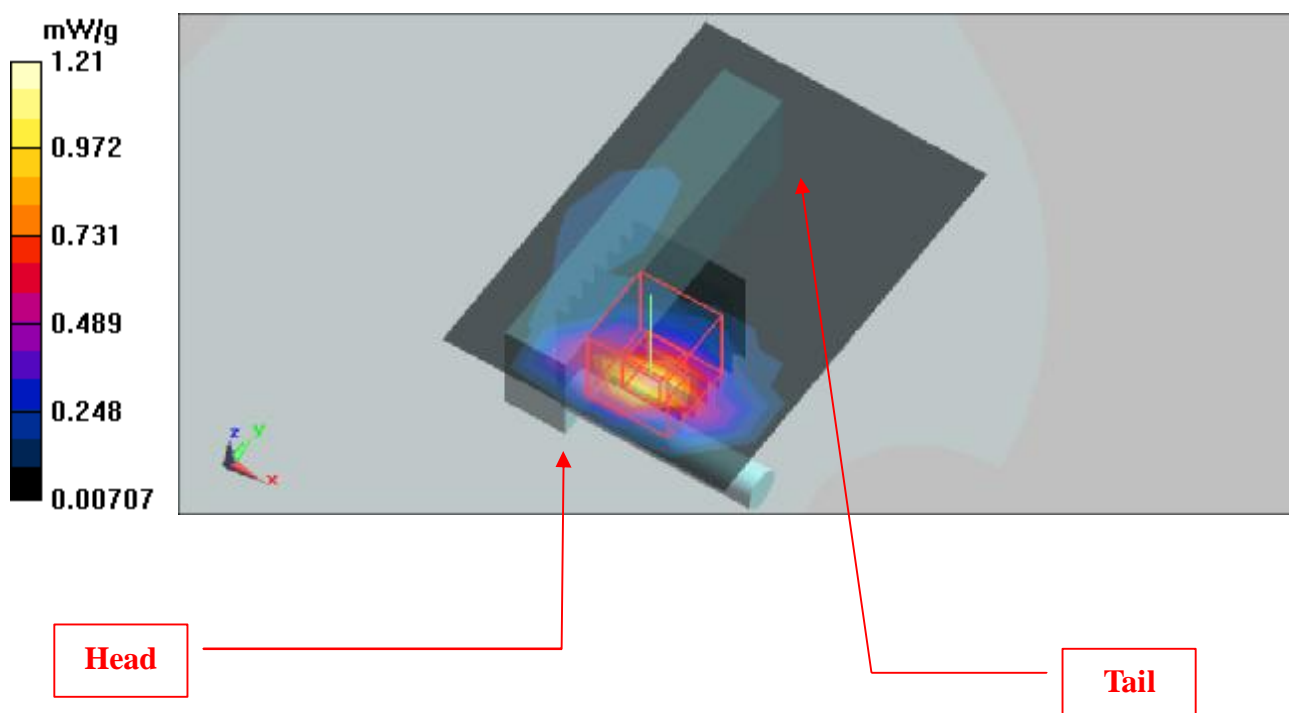
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.32 V/m

Peak SAR (extrapolated) = 1.9 W/kg

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.404 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



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M50-11g-Ch1(Edge-R / Ant-90 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Low Channel 1/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.791 mW/g

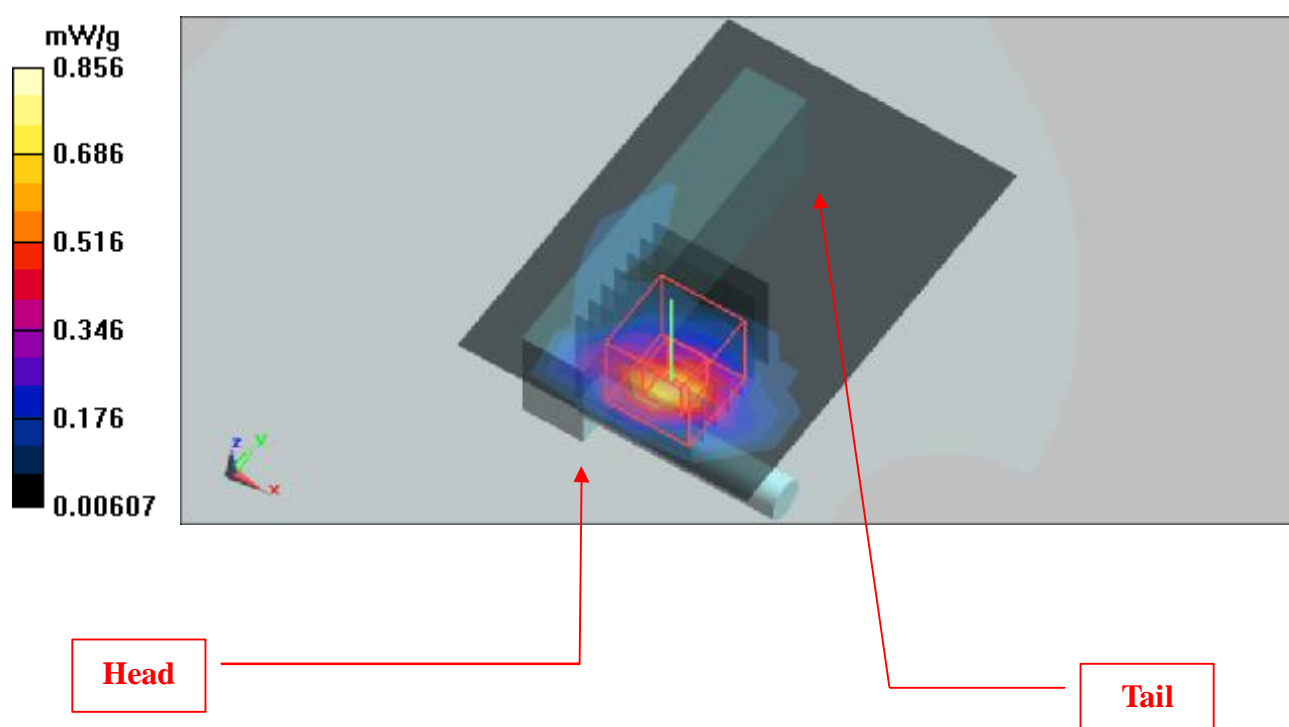
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.14 V/m

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.275 mW/g

Maximum value of SAR (measured) = 0.856 mW/g



Test Laboratory: Bureau Veritas ADT

M50-11g-Ch6(Edge-R / Ant-90 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.978 mW/g

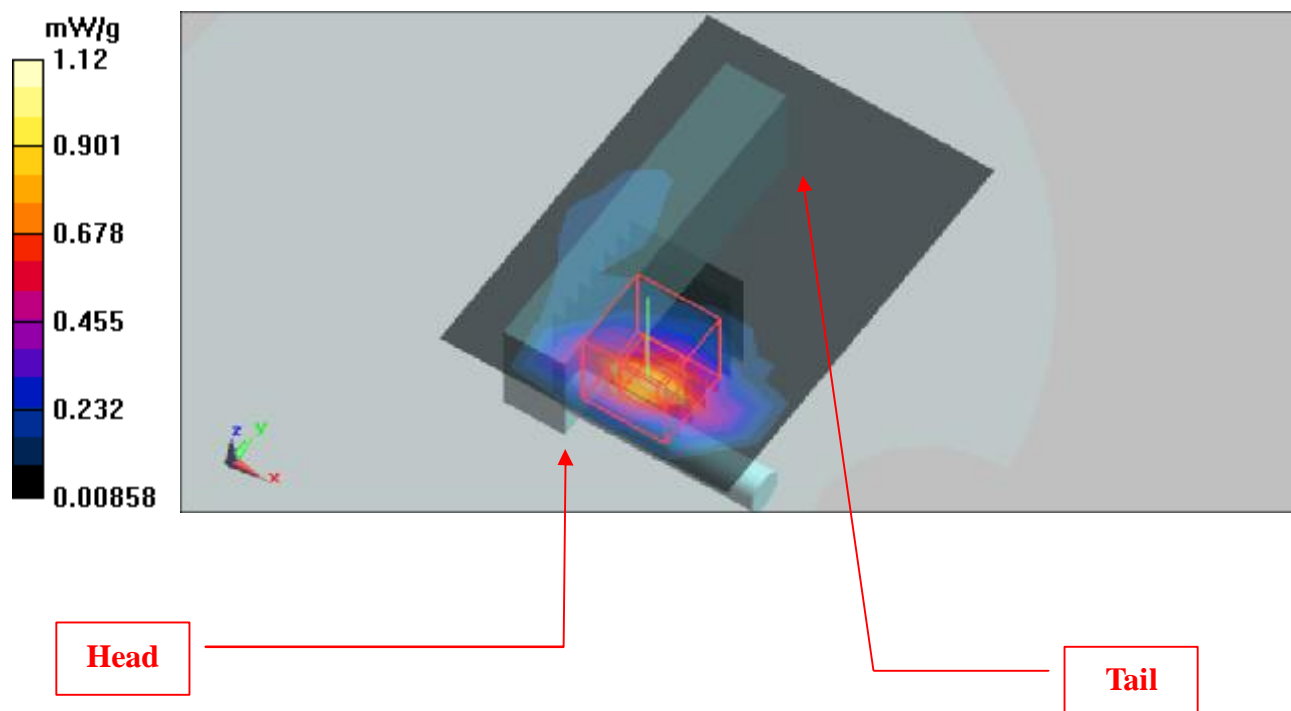
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.67 V/m

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.372 mW/g

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



Test Laboratory: Bureau Veritas ADT

M50-11g-Ch11(Edge-R / Ant-90 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

High Channel 11/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 1.01 mW/g

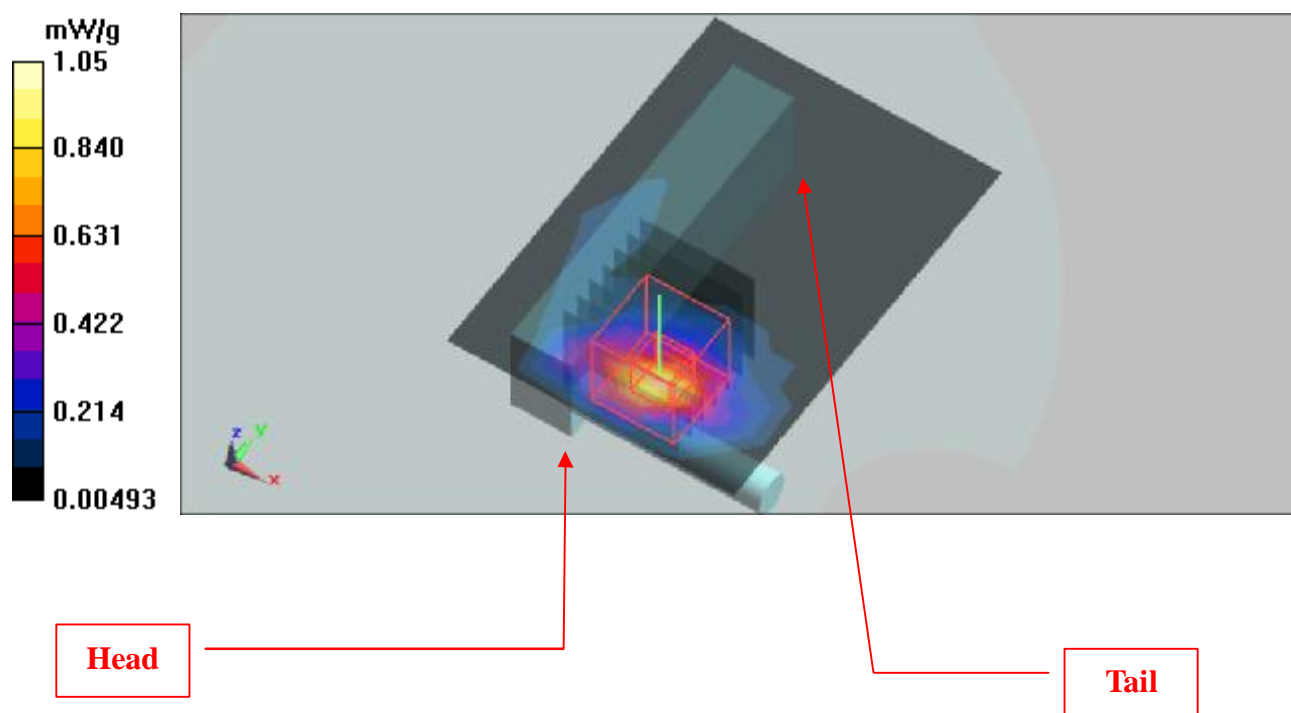
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.61 V/m

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 0.771 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 1.05 mW/g



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M51-11n20M-Ch6(Edge-R / Ant-90 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

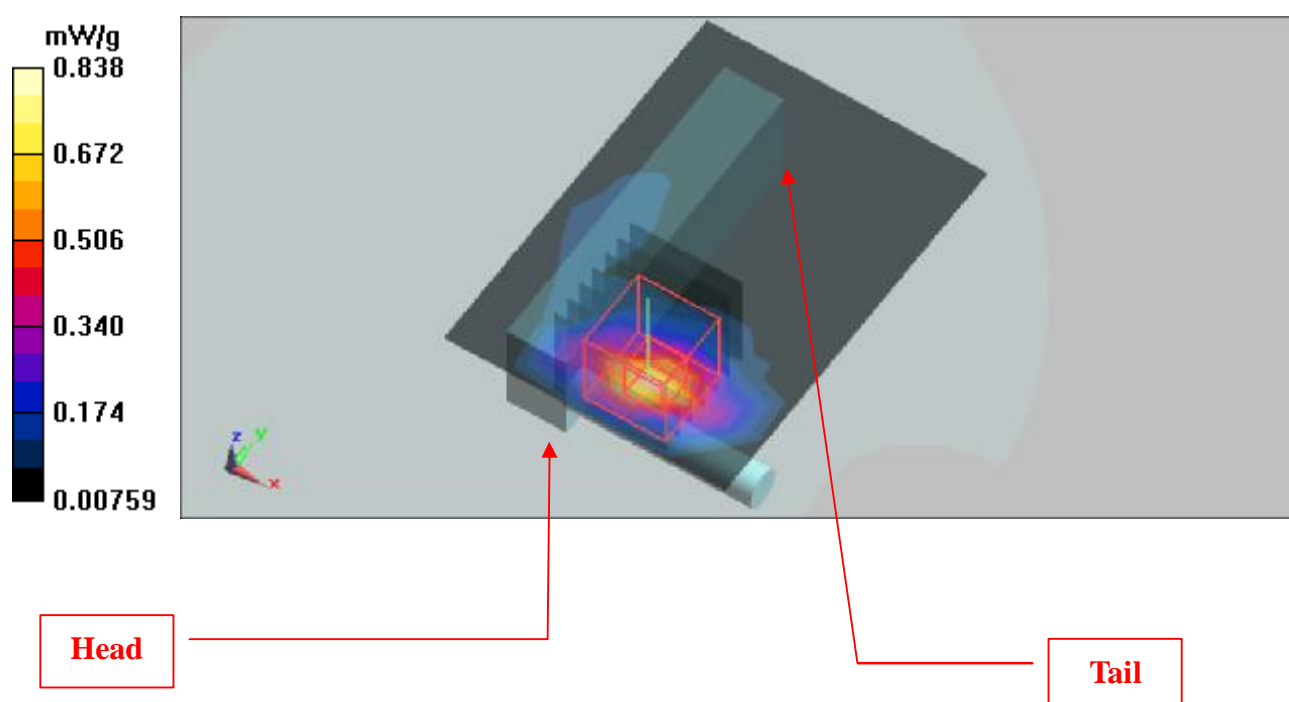
Mid Channel 6/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.833 mW/g**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.66 V/m

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = **0.623 mW/g**; SAR(10 g) = 0.274 mW/g

Maximum value of SAR (measured) = 0.838 mW/g



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M52-11n40M-Ch4(Edge-R / Ant-90 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11n 40MHz ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

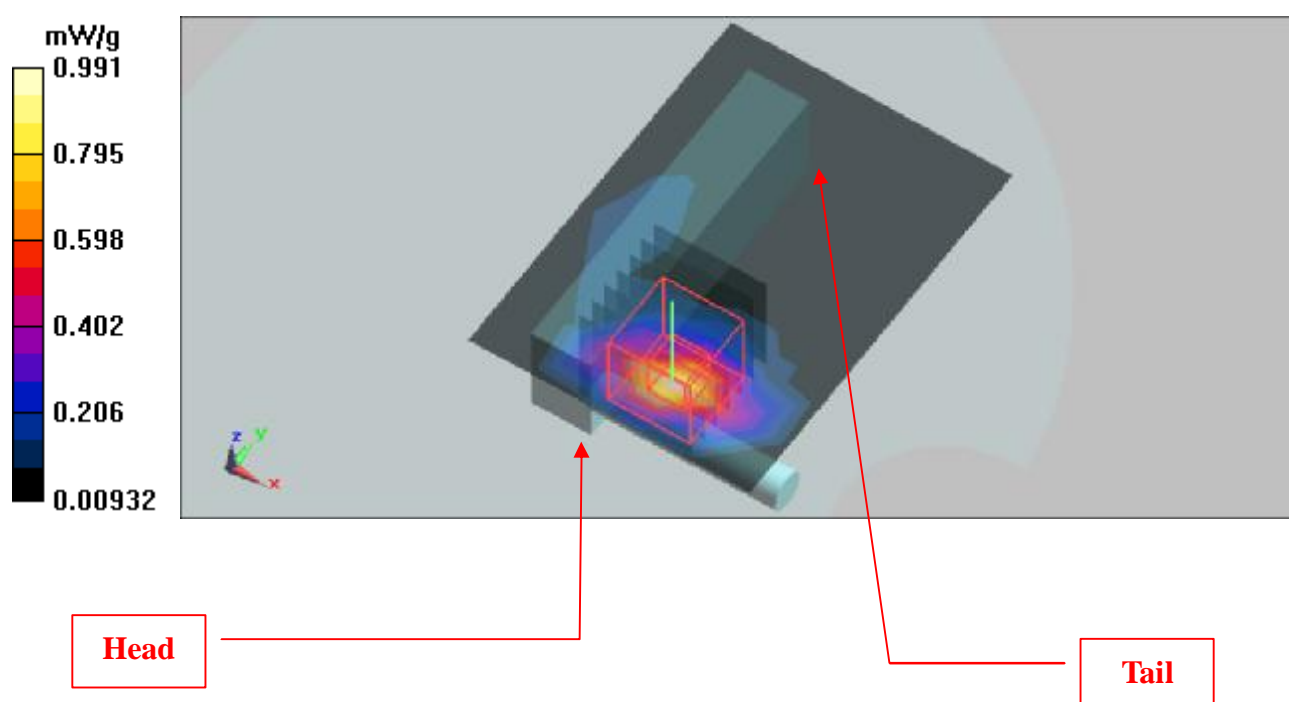
Mid Channel 4/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.985 mW/g**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.42 V/m

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.310 mW/g

Maximum value of SAR (measured) = 0.991 mW/g



Test Laboratory: Bureau Veritas ADT

M53-11n 20M-Ch6(Edge-R / Ant-90 / 2Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

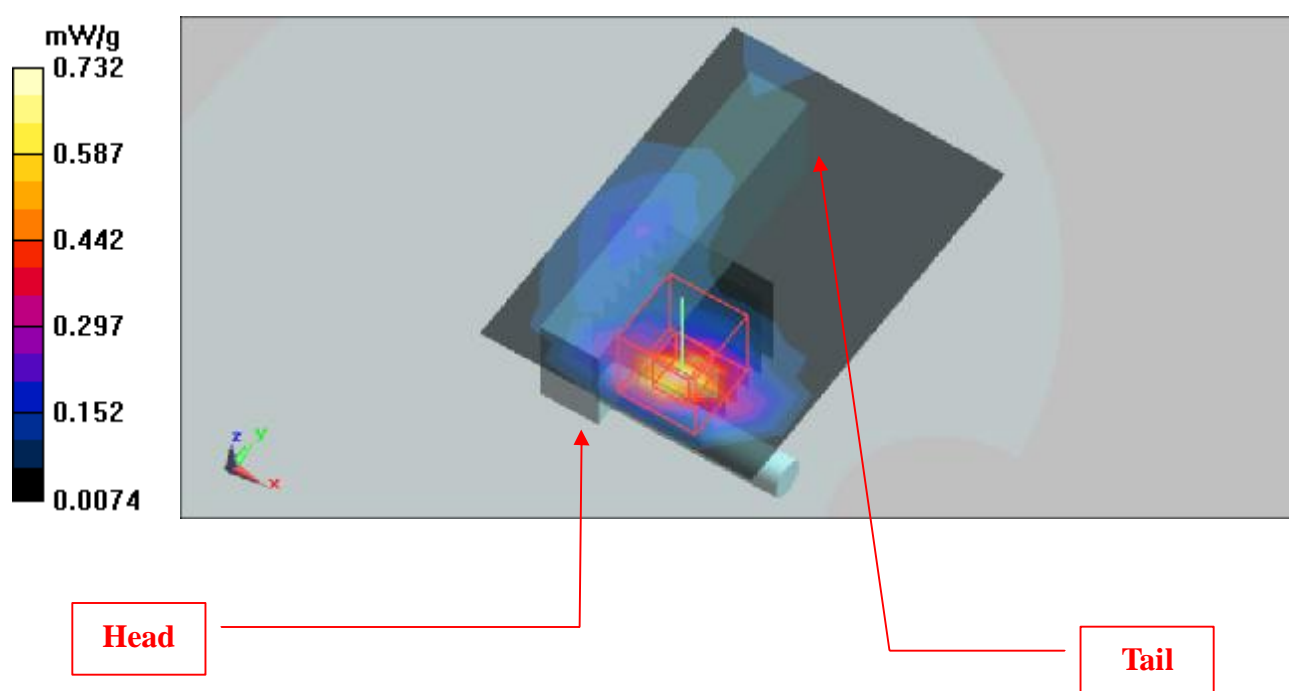
Mid Channel 4/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.626 mW/g**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.25 V/m

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = **0.540 mW/g**; SAR(10 g) = 0.239 mW/g

Maximum value of SAR (measured) = 0.732 mW/g



Test Laboratory: Bureau Veritas ADT

M54-11n40M-Ch6(Edge-R / Ant-90 / 2Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11n 40MHz ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 4/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.660 mW/g

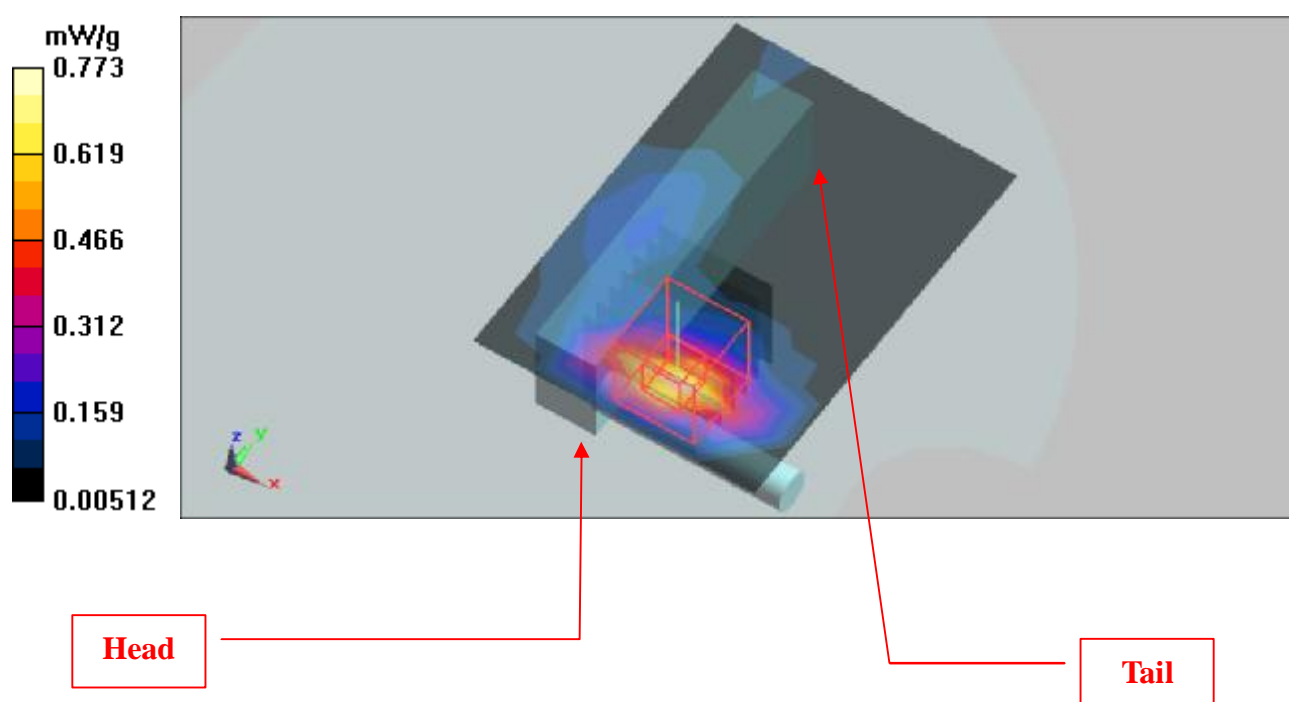
Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.25 V/m

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = **0.564** mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.773 mW/g



Test Laboratory: Bureau Veritas ADT

M55-11b-Ch1(Edge-R / Ant-180 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11b ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Low Channel 1/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.640 mW/g

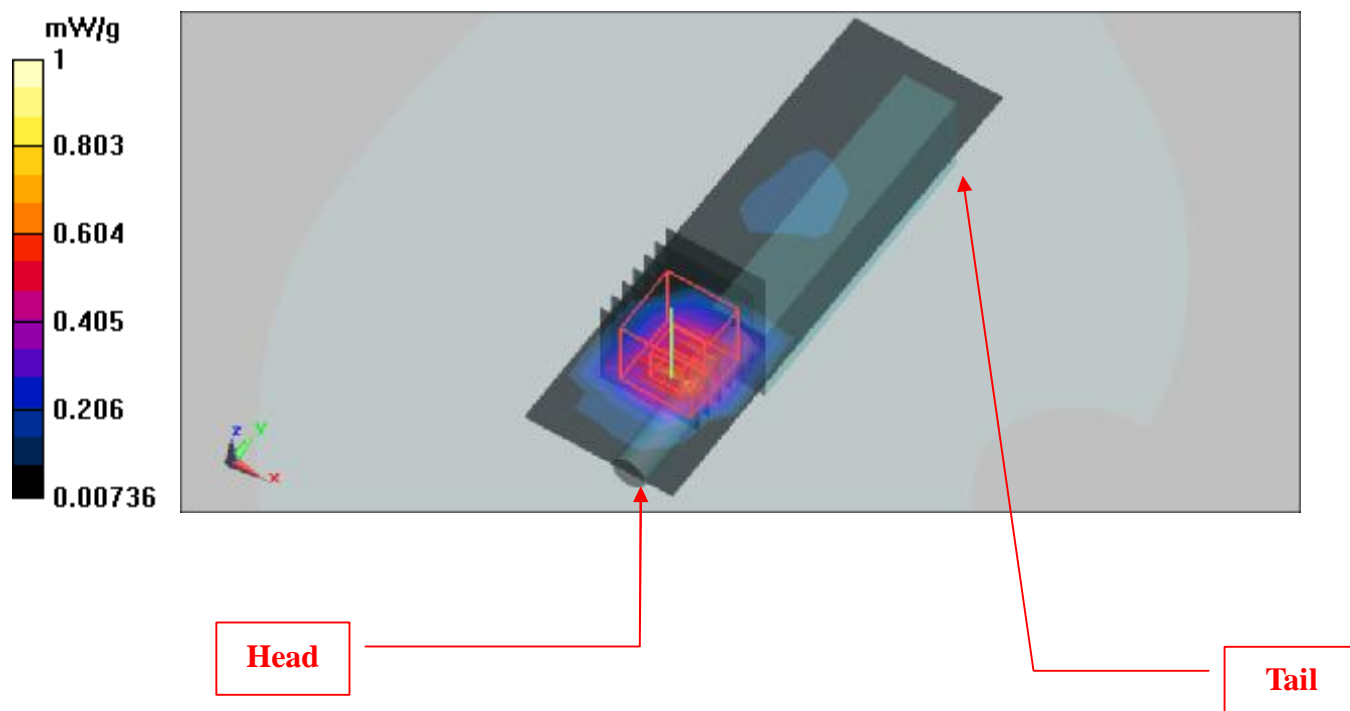
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.25 V/m

Peak SAR (extrapolated) = 1.5 W/kg

SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.341 mW/g

Maximum value of SAR (measured) = 1 mW/g



Test Laboratory: Bureau Veritas ADT

M55-11b-Ch6(Edge-R / Ant-180 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.826 mW/g

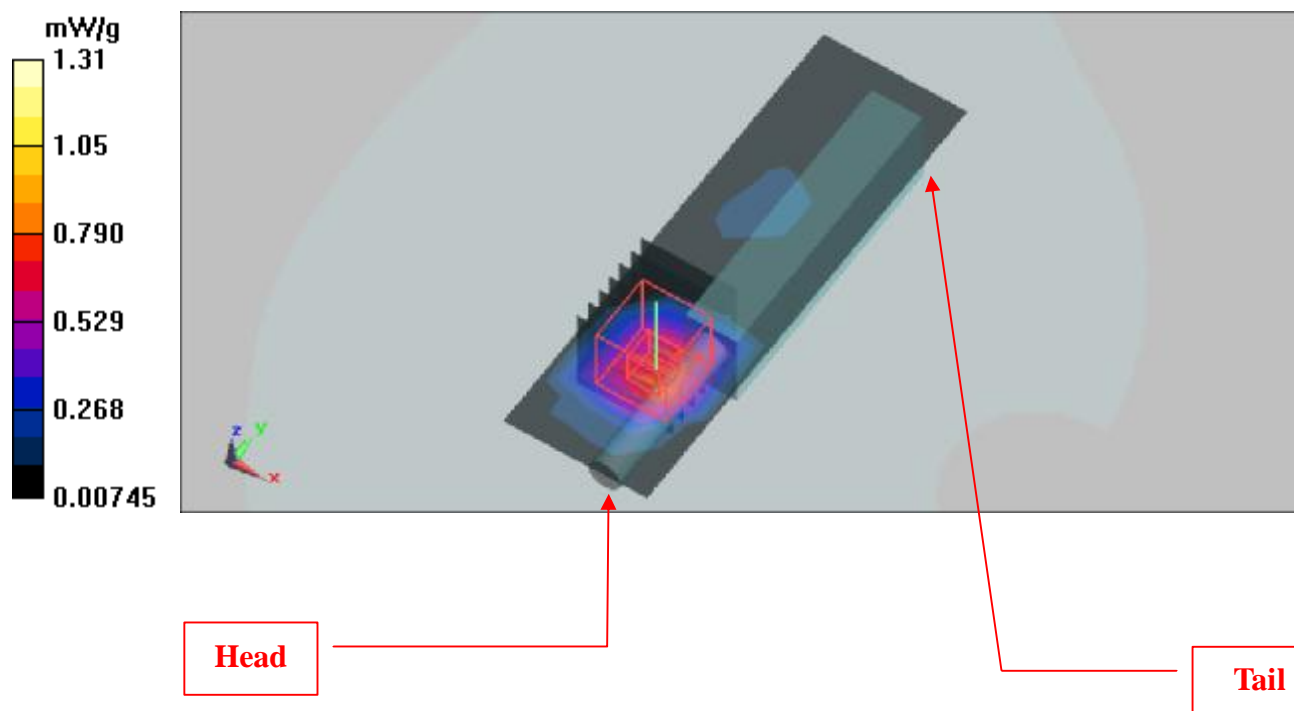
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.08 V/m

Peak SAR (extrapolated) = 1.95 W/kg

SAR(1 g) = 0.976 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 1.31 mW/g



Test Laboratory: Bureau Veritas ADT

M55-11b-Ch11(Edge-R / Ant-180 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11b ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
 Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

High Channel 11/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.487 mW/g

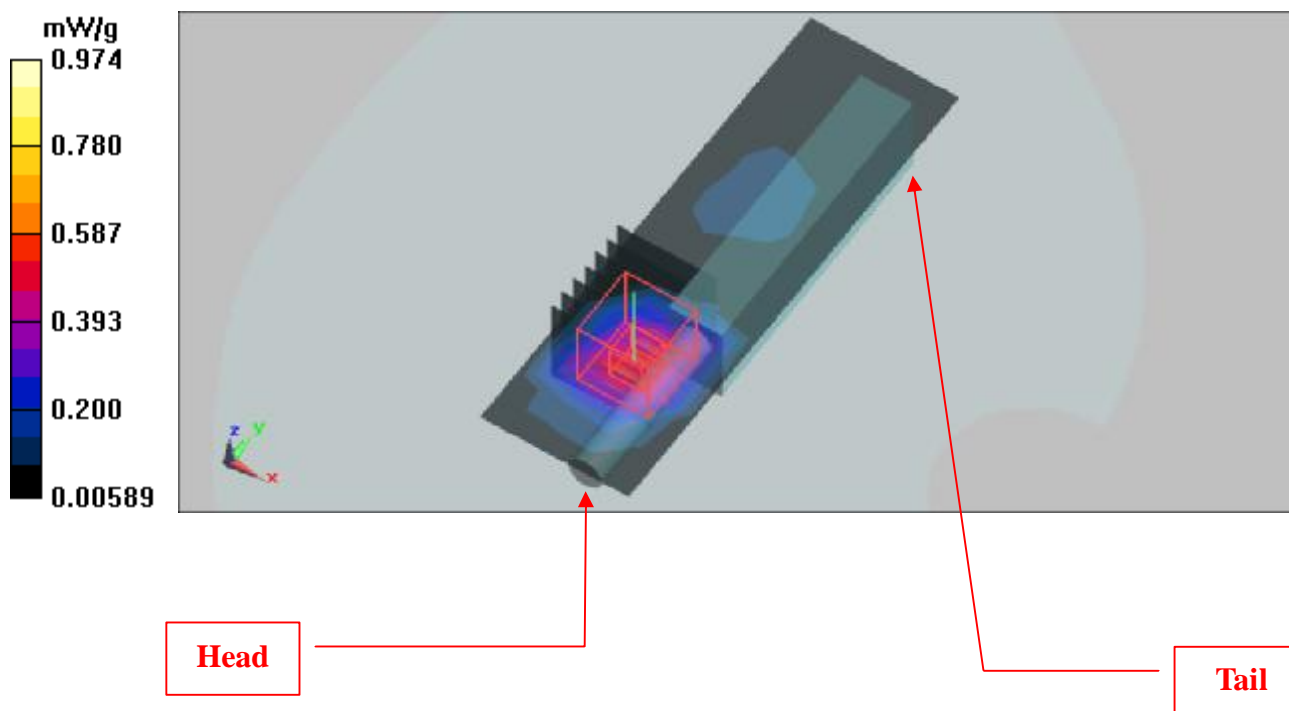
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.12 V/m

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.974 mW/g



Test Laboratory: Bureau Veritas ADT

M56-11g-Ch1(Edge-R / Ant-180 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11g ; Frequency: 2412 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL2450 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.97$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Low Channel 1/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.498 mW/g

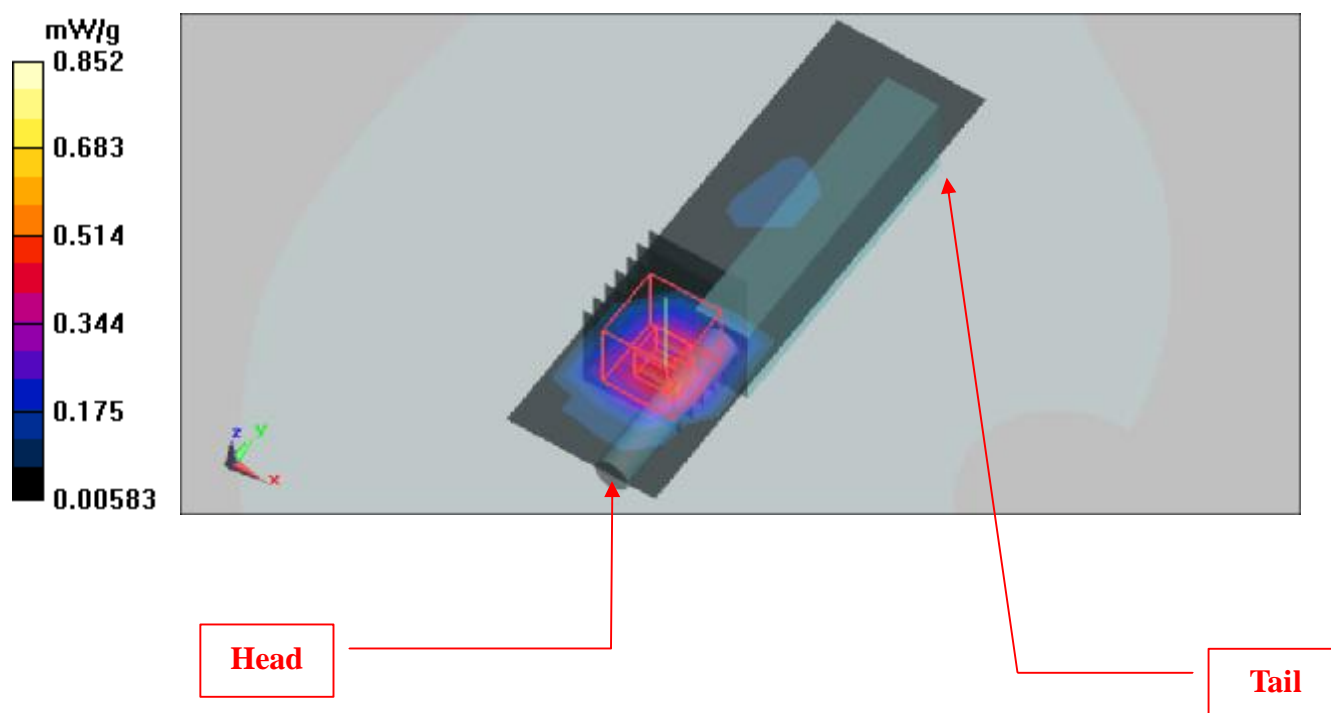
Low Channel 1/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.47 V/m

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.852 mW/g



Test Laboratory: Bureau Veritas ADT

M56-11g-Ch6(Edge-R / Ant-180 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11g ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 0.683 mW/g

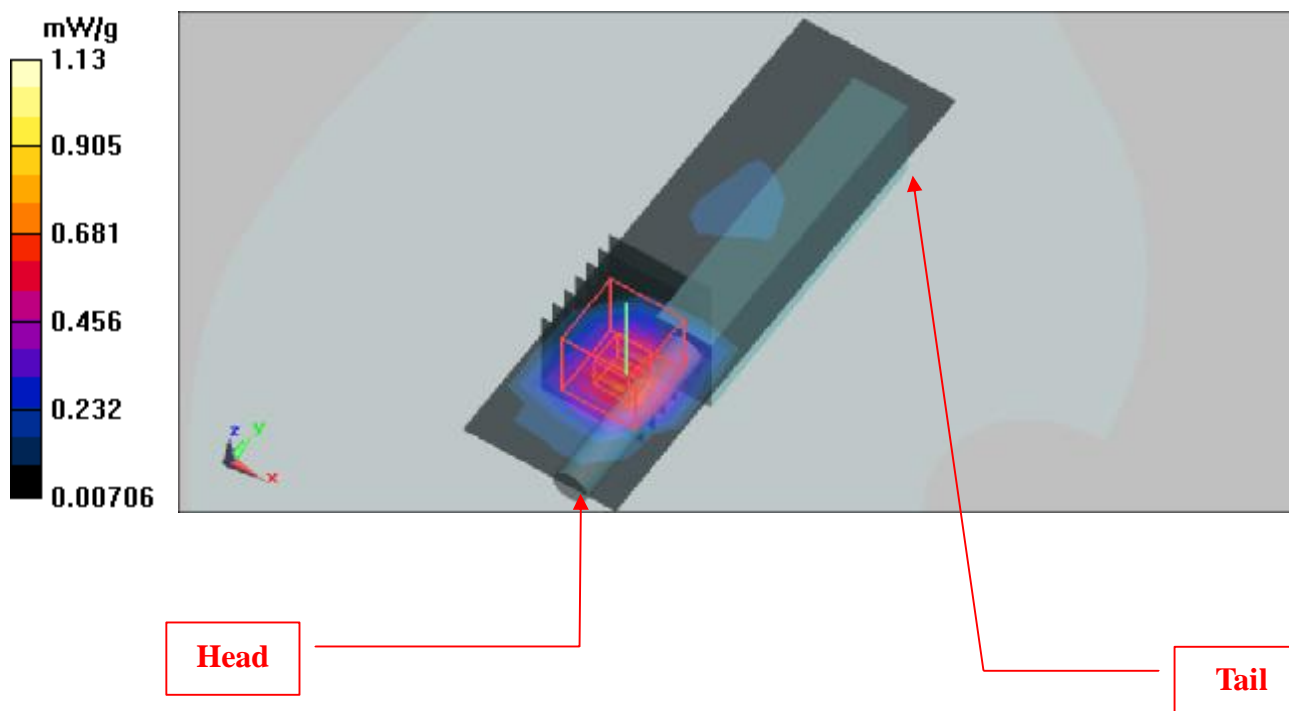
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.99 V/m

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 1.13 mW/g



Test Laboratory: Bureau Veritas ADT

M56-11g-Ch11(Edge-R / Ant-180 / 1Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 802.11g ; Frequency: 2462 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK
 Medium: MSL2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 2.03$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

High Channel 11/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm

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

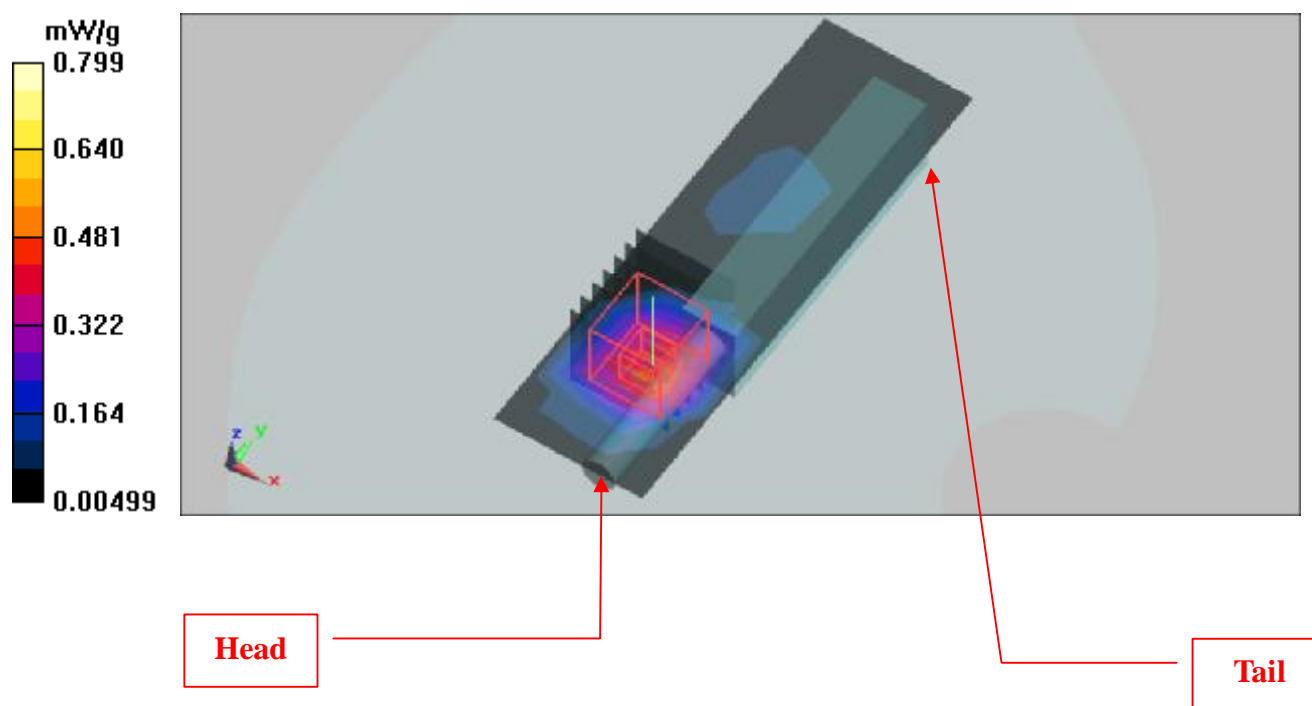
High Channel 11/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.12 V/m

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.600 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.799 mW/g



Test Laboratory: Bureau Veritas ADT

M57-11n 20M-Ch6(Edge-R / Ant-180 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

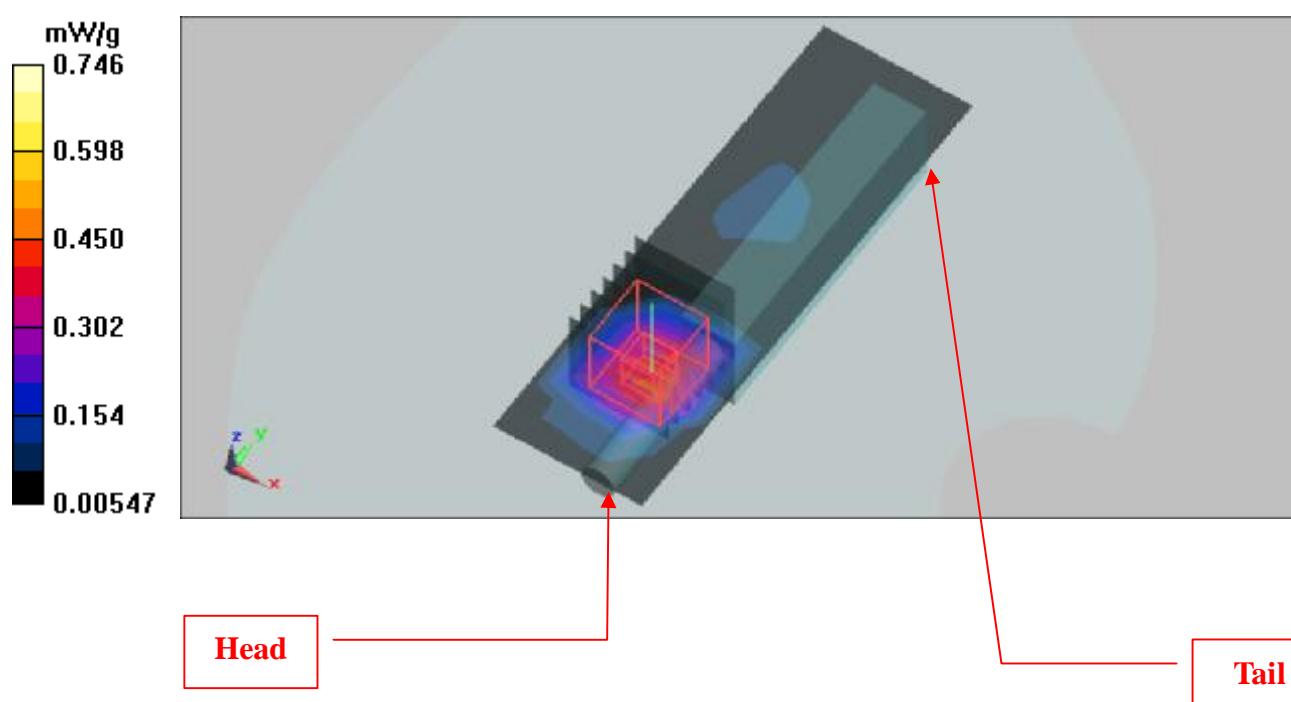
Mid Channel 6/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.460 mW/g**Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6 V/m

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = **0.563** mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.746 mW/g



Test Laboratory: Bureau Veritas ADT

M58-11n 40M-Ch4(Edge-R / Ant-180 / 1Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11n 40MHz ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

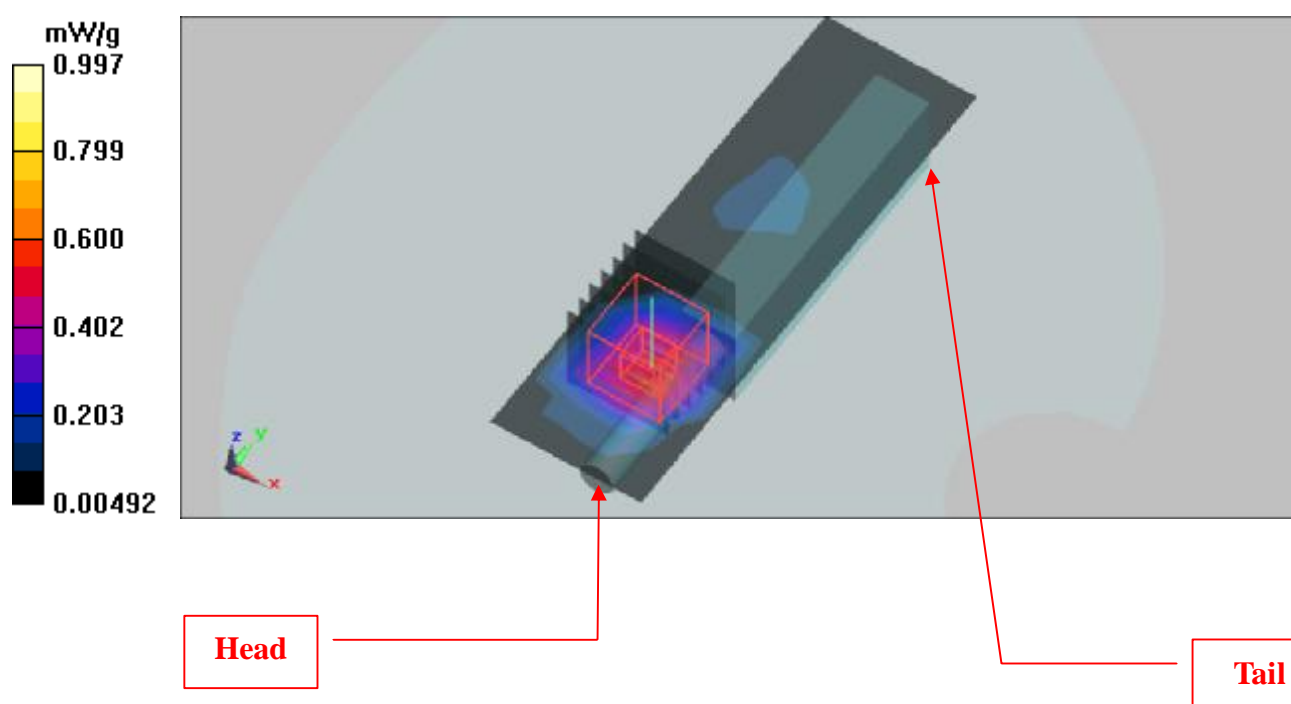
Mid Channel 4/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.591 mW/g**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.34 V/m

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = **0.730** mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.997 mW/g



Test Laboratory: Bureau Veritas ADT

M59-11n 20M-Ch6(Edge-R / Ant-180 / 2Tx)

DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP

Communication System: 2.4G 11n span20 ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.483 mW/g

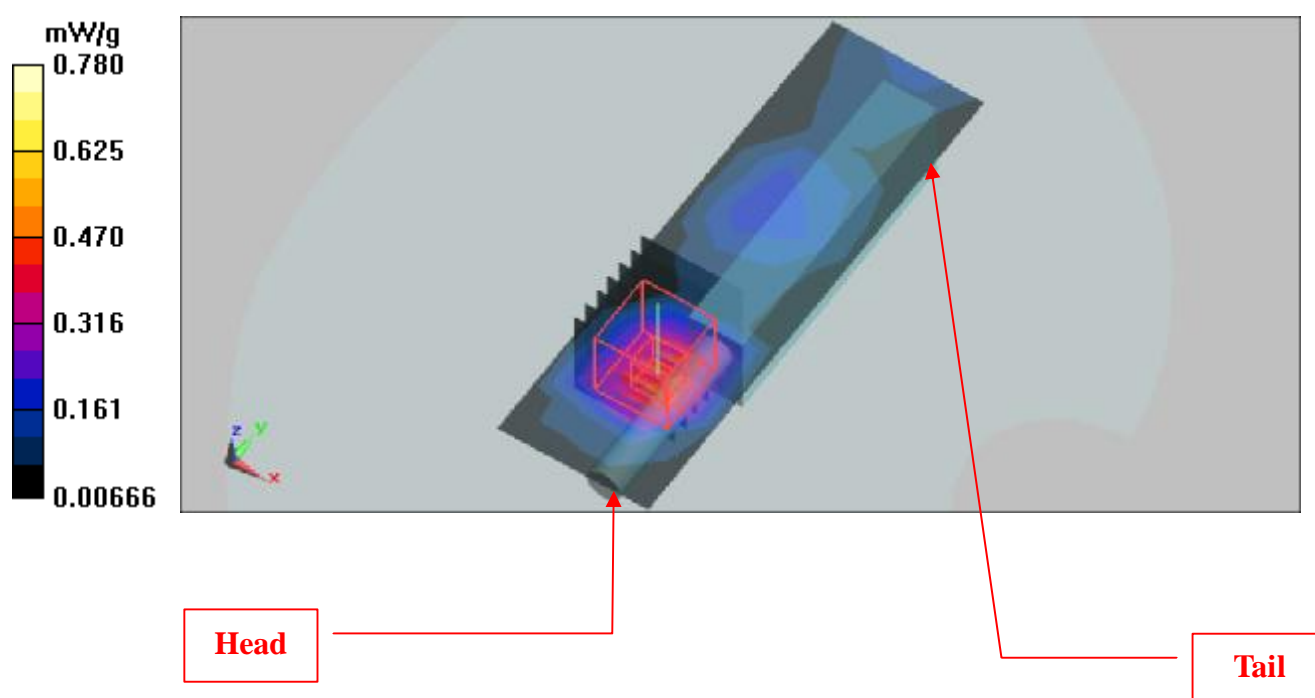
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.54 V/m

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = **0.579 mW/g**; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.780 mW/g



Test Laboratory: Bureau Veritas ADT

M60-11n 40M-Ch4(Edge-R / Ant-180 / 2Tx)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11n 40MHz ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: BPSK

Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

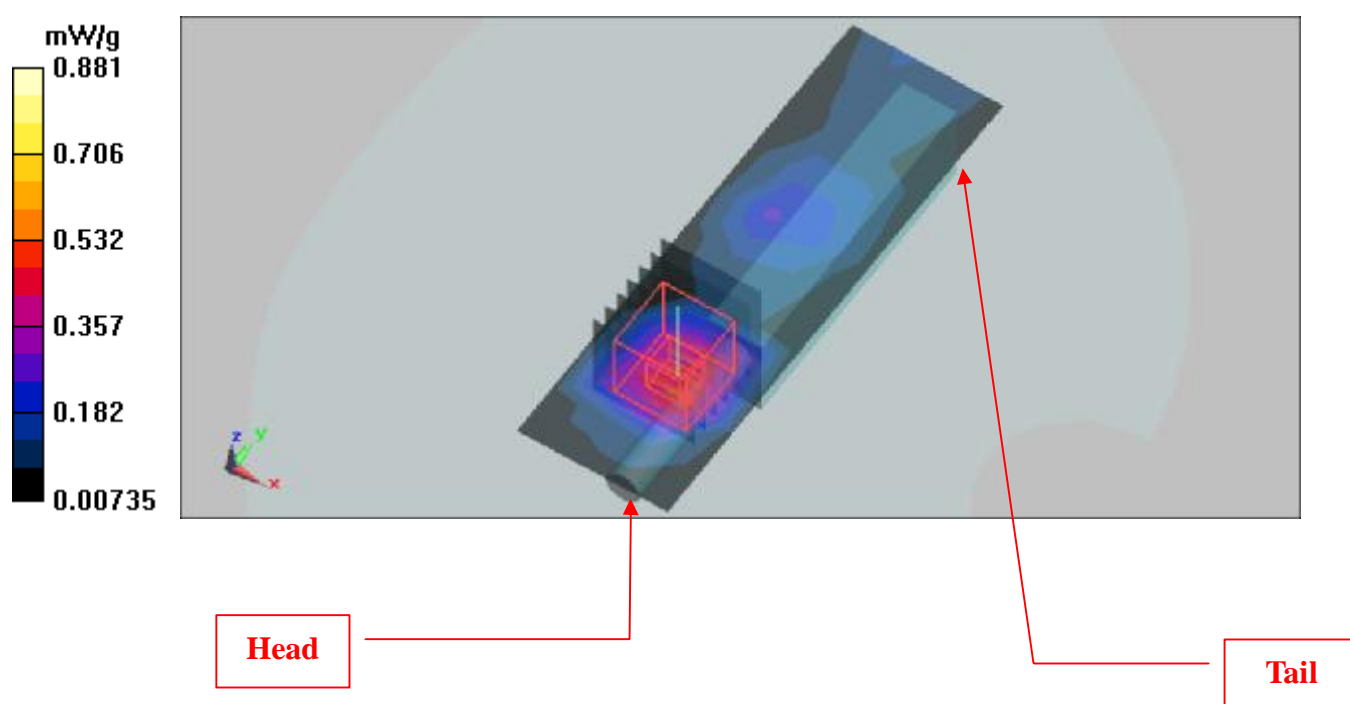
Mid Channel 4/Area Scan (4x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.642 mW/g**Mid Channel 4/Zoom Scan (7x7x7) (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.64 V/m

Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = **0.625 mW/g**; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.881 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
 Medium: MSL2450; Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³ ; Liquid level : 154 mm
 Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 21.4 degrees ; Liquid temp. : 20.8 degrees

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

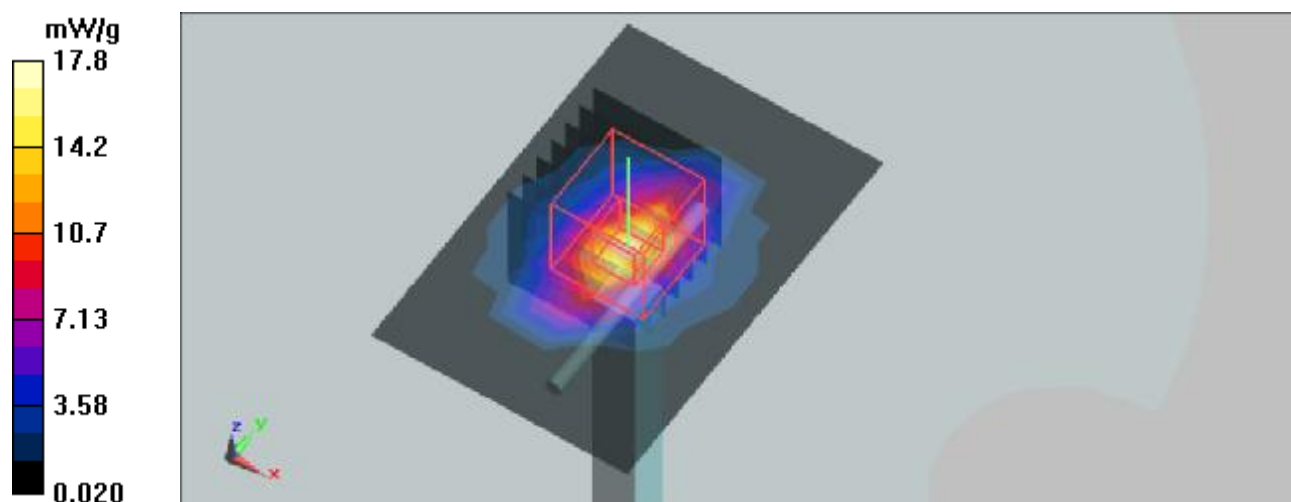
d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 17.8 mW/g

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

Reference Value = 96.7 V/m; Power Drift = -0.054 dB

Peak SAR (extrapolated) = 27.4 W/kg

SAR(1 g) = **13.1 mW/g**; SAR(10 g) = 6.04 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW
Medium: MSL2450; Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm
Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 21.6 degrees ; Liquid temp. : 20.9 degrees

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 17.4 mW/g

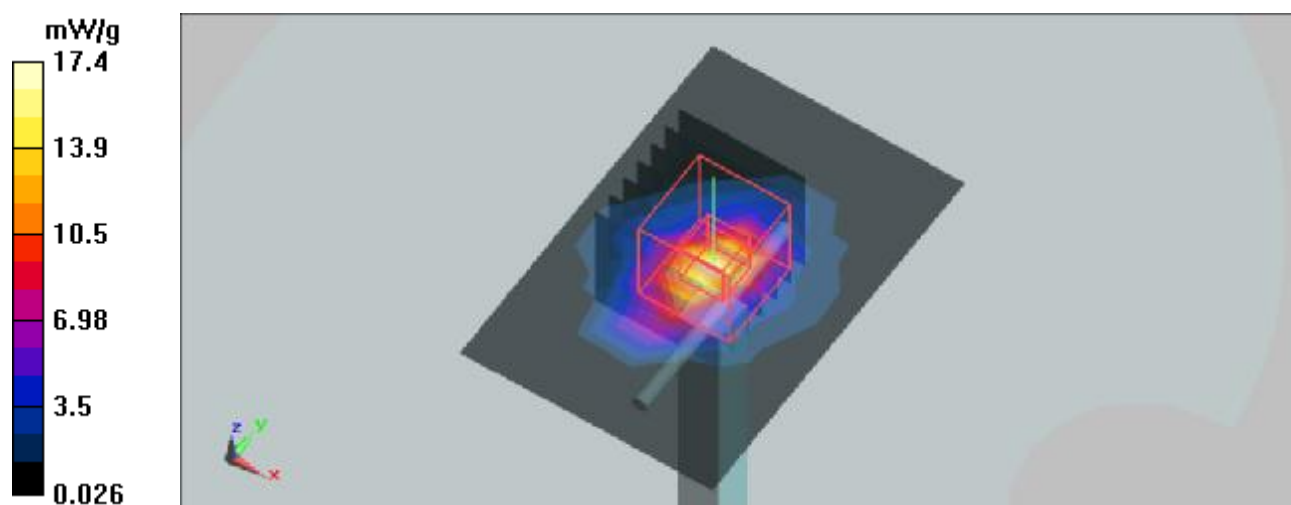
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.4 V/m; Power Drift = -0.064 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 17.2 mW/g



APPENDIX A: TEST DATA (Compare with different scan resolution)
Liquid Level Photo

MSL 2450MHz D=151mm



Test Laboratory: Bureau Veritas ADT

M01-11b-Ch6(Edge-R / Ant-90 / 1Tx / Zoom Scan Set 5mm)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.32 mW/g

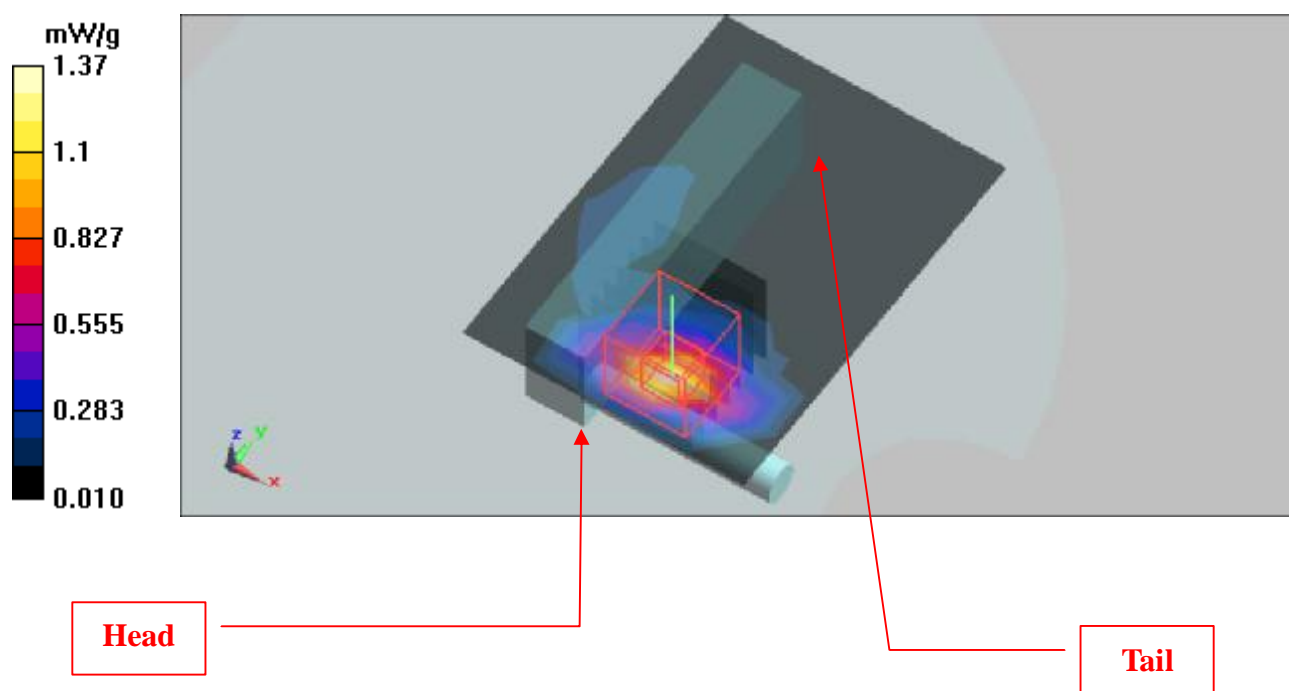
Mid Channel 6/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.19 V/m

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 1.37 mW/g



Test Laboratory: Bureau Veritas ADT

M02-11b-Ch6(Edge-R / Ant-90 / 1Tx / Zoom Scan Set 2.5mm)**DUT: AirStation Wireless-N INFINITI HighPower Keychain USB2.0 Adapter ; Type: WLI-UC-G300HP**

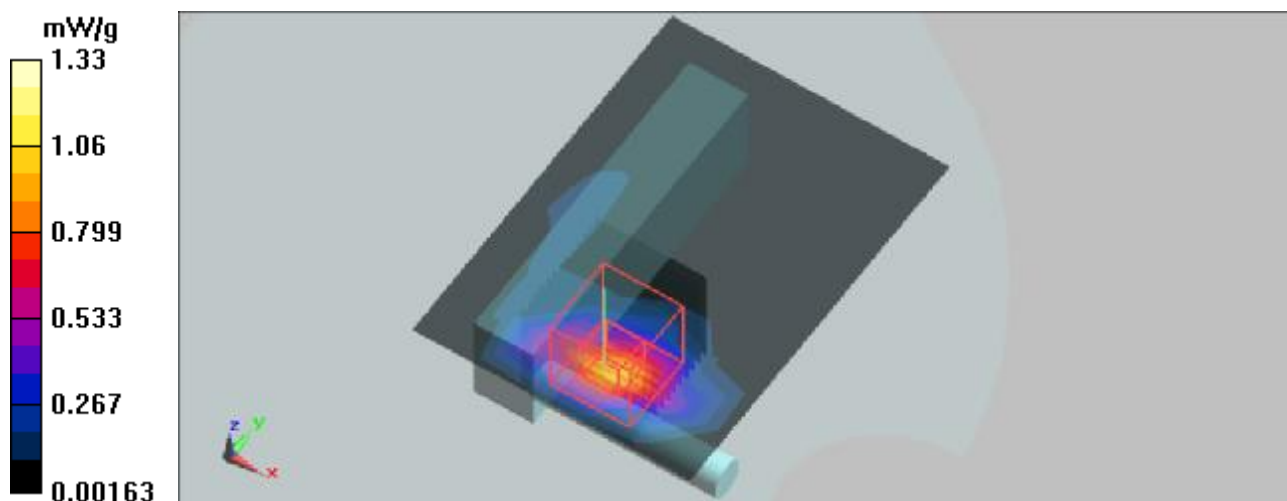
Communication System: 802.11b ; Frequency: 2437 MHz ; Duty Cycle: 1:1 ; Modulation type: DBPSK
Medium: MSL2450 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 54.3$; $\rho = 1000$ kg/m³
Phantom section: Flat Section ; Separation distance : 5 mm (The edge side of the EUT to the Phantom)

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

Mid Channel 6 with Zoom/Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.27 mW/g

Mid Channel 6 with Zoom/Zoom Scan (7x7x7) 2 (13x13x13)/Cube 0: Measurement grid:
dx=2.5mm, dy=2.5mm, dz=2.5mm
Reference Value = 7.11 V/m
Peak SAR (extrapolated) = 2.24 W/kg
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



Test Laboratory: Advance Data Technology

System Validation Check-MSL 2450MHz

DUT: Dipole 2450 MHz ; Type: D2450V2 ; Serial: 737 ; Test Frequency: 2450 MHz

Communication System: CW ; Frequency: 2450 MHz; Duty Cycle: 1:1; Modulation type: CW

Medium: MSL2450; Medium parameters used (interpolated): $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 54.2$; $\rho = 1000$ kg/m³ ; Liquid level : 151 mm

Phantom section: Flat Section ; Separation distance : 10 mm (The feetpoint of the dipole to the Phantom) Air temp. : 21.6 degrees ; Liquid temp. : 20.9 degrees

DASY5 Configuration:

- Probe: EX3DV3 - SN3504 ; ConvF(7.53, 7.53, 7.53) ; Calibrated: 2009/1/21
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861 ; Calibrated: 2008/9/22
- Phantom: SAM with CRP ; Type: SAM ; Serial: TP-1485
- Measurement SW: DASY5, V5.0 Build 119 ; SEMCAD X Version 13.2 Build 87

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

Maximum value of SAR (measured) = 17.4 mW/g

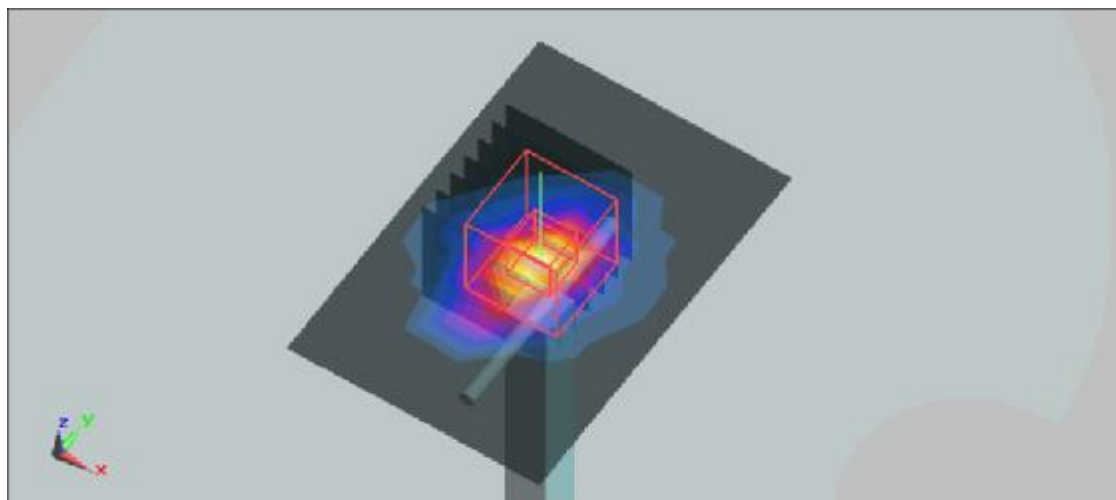
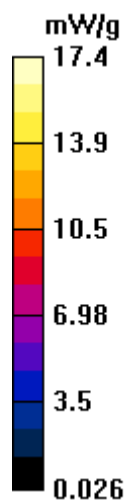
d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 96.4 V/m; Power Drift = -0.064 dB

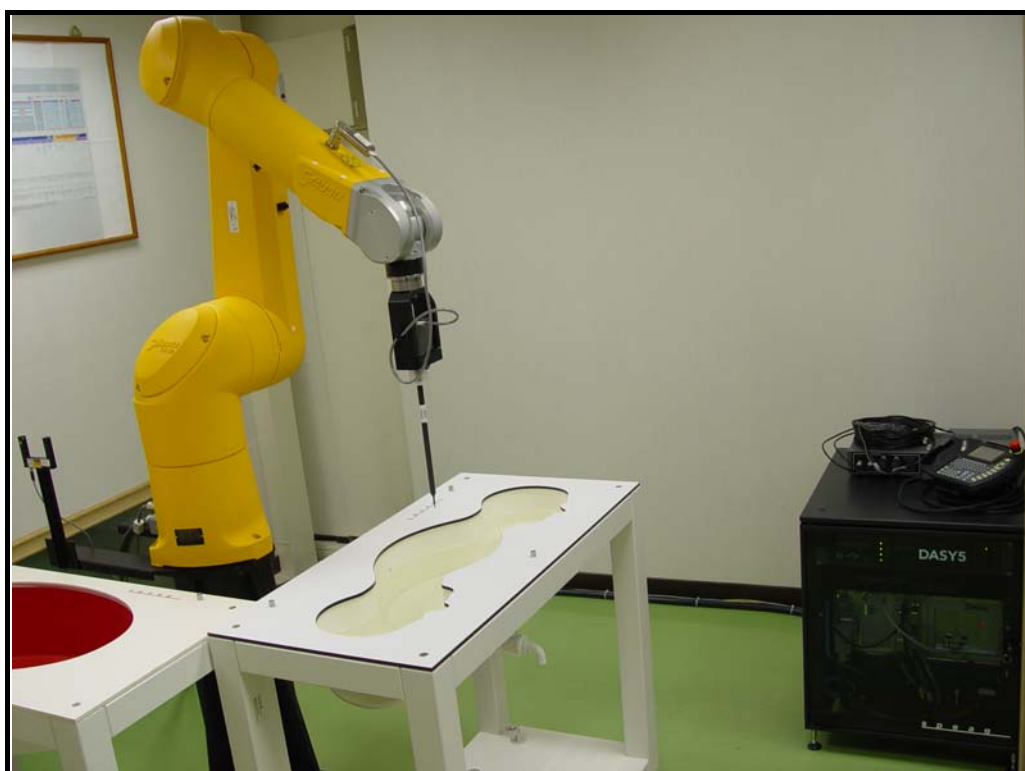
Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 13.3 mW/g; SAR(10 g) = 6.09 mW/g

Maximum value of SAR (measured) = 17.2 mW/g



APPENDIX B: BV ADT SAR MEASUREMENT SYSTEM



APPENDIX C: PHOTOGRAPHS OF SYSTEM VALIDATION

