

#01 802.11b_Bottom_0cm_Ch6_Ant 1_Earphone

DUT: 220337-02

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

Medium: MSL_2450_120225 Medium parameters used: $f = 2437$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(6.82, 6.82, 6.82); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch6/Area Scan (131x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.352 mW/g

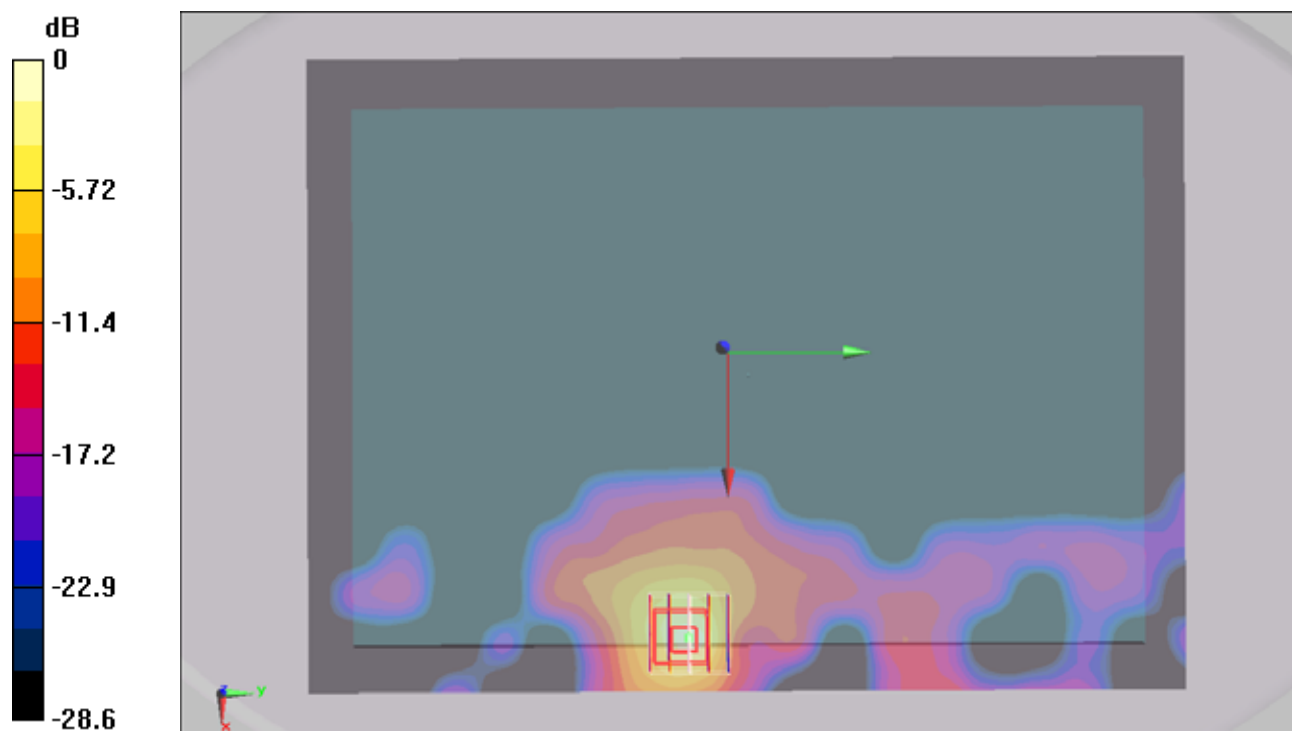
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 0.618 W/kg

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.418 mW/g



#02 802.11b_Bottom_0cm_Ch11_Ant 0+1_Earphone

DUT: 220337-02

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

Medium: MSL_2450_120225 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(6.82, 6.82, 6.82); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch11/Area Scan (131x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.436 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.373 mW/g ; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.584 mW/g

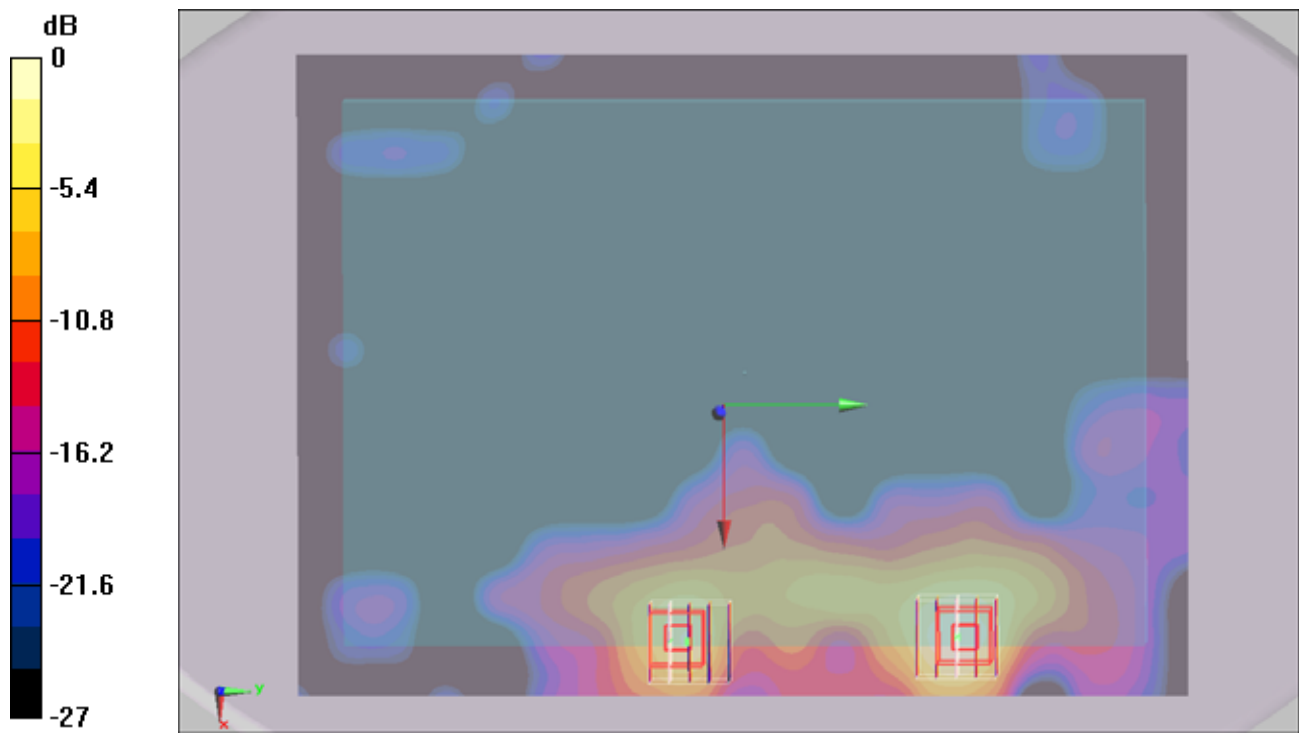
Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.294 mW/g ; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



0 dB = 0.455mW/g

#02 802.11b_Bottom_0cm_Ch11_Ant 0+1_Earphone_2D

DUT: 220337-02

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

Medium: MSL_2450_120225 Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.03 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(6.82, 6.82, 6.82); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch11/Area Scan (131x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.436 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.373 mW/g ; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.584 mW/g

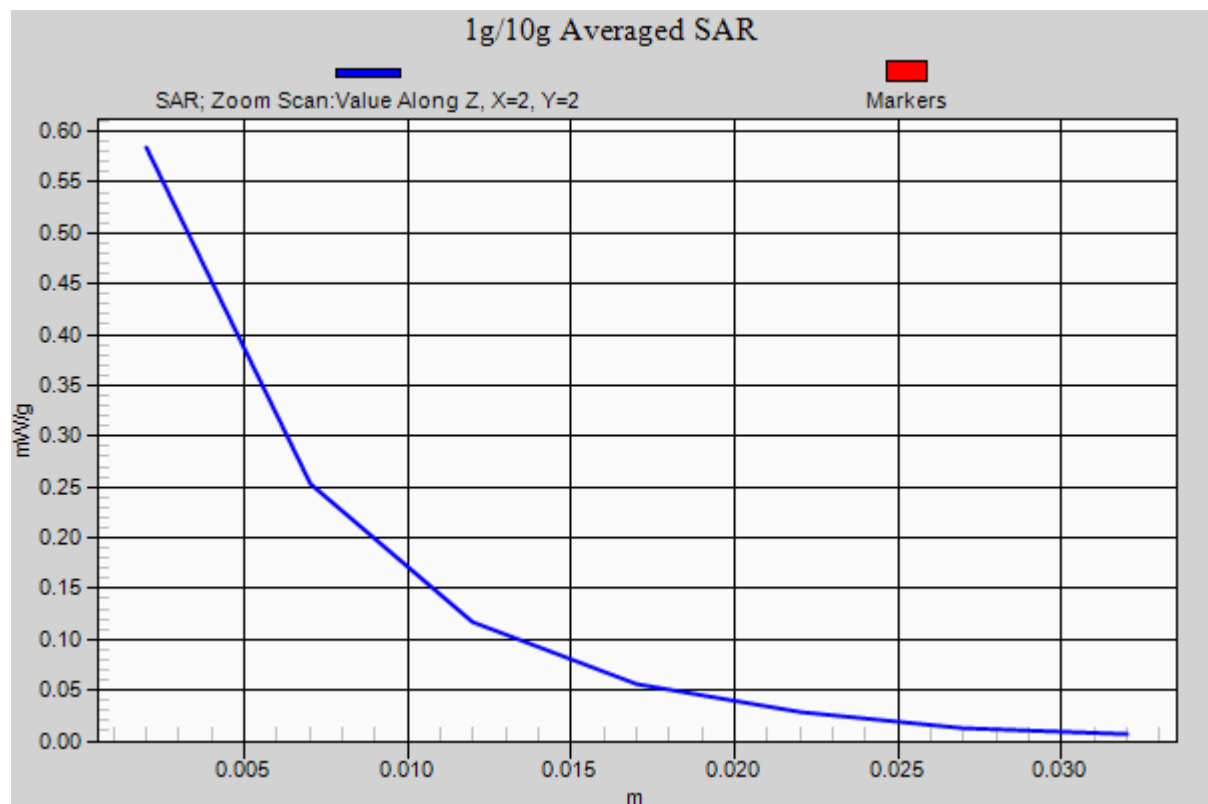
Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.684 W/kg

SAR(1 g) = 0.294 mW/g ; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



#03 802.11a_Bottom_0cm_Ch36_Ant1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120228 Medium parameters used : $f = 5180 \text{ MHz}$; $\sigma = 5.1 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (251x351x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.03 mW/g

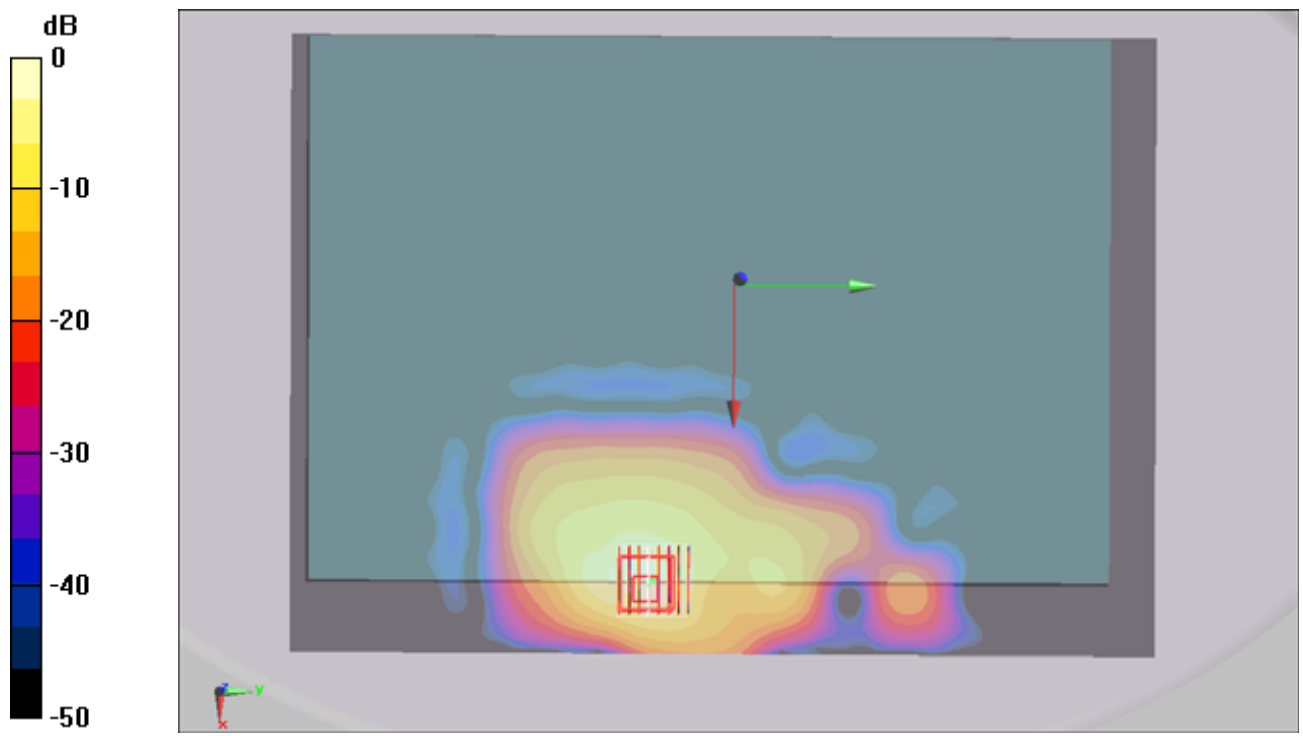
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.608 mW/g ; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 1.2 mW/g



0 dB = 1.2mW/g

#03 802.11a_Bottom_0cm_Ch36_Ant1_Earphone_2D

DUT: 220337-02

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120228 Medium parameters used : $f = 5180$ MHz; $\sigma = 5.1$ mho/m; $\epsilon_r = 47.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (251x351x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.03 mW/g

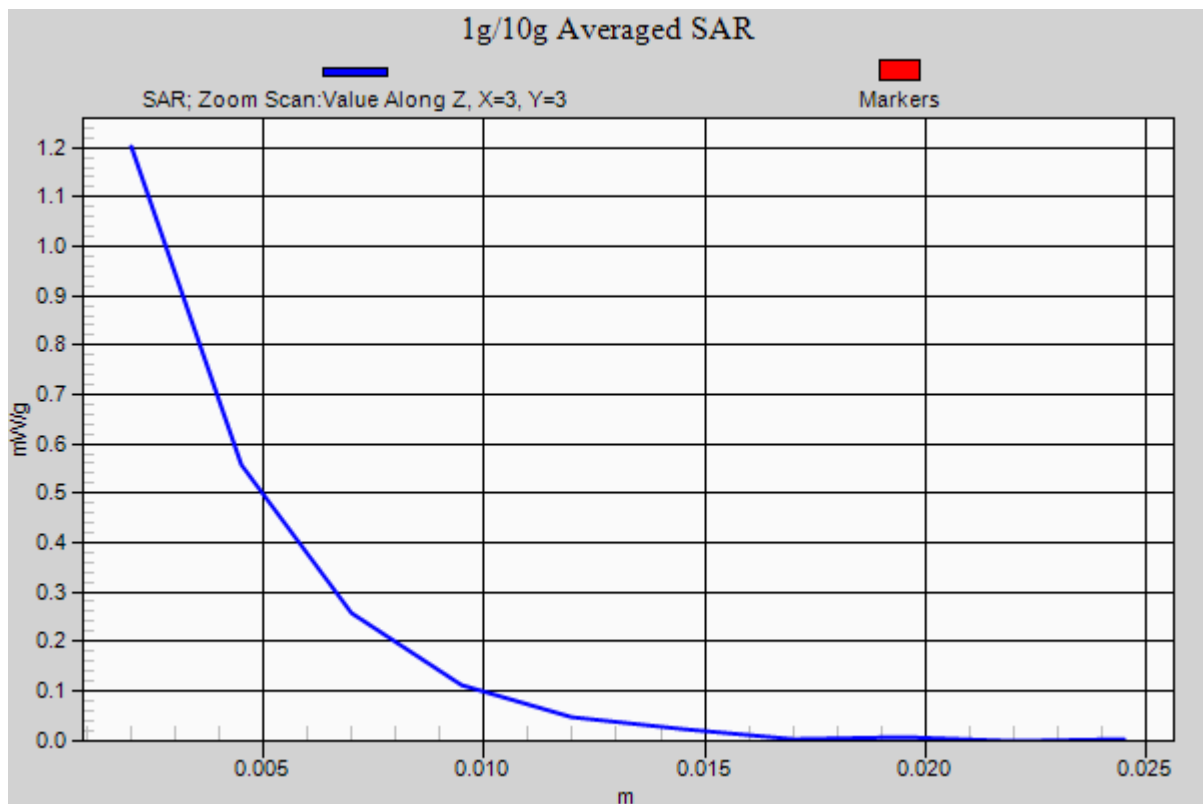
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 1.2 mW/g



#04 802.11a_Bottom_0cm_Ch36_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120228 Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.1 \text{ mho/m}$; $\epsilon_r = 47.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch36/Area Scan (121x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.734 mW/g

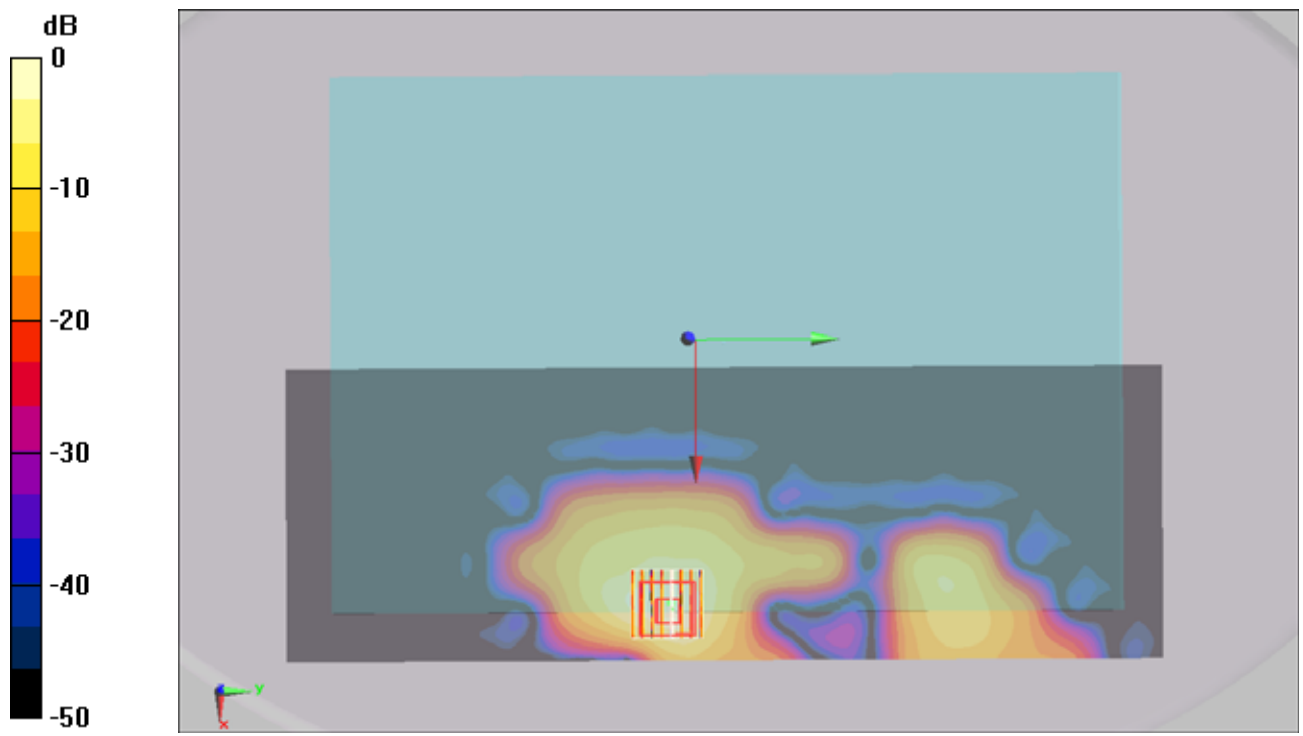
Ch36/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 0.346 mW/g ; SAR(10 g) = 0.123 mW/g

Maximum value of SAR (measured) = 0.672 mW/g



#05 802.11n_40M_Bottom_0cm_Ch46_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120228 Medium parameters used : $f = 5230 \text{ MHz}$; $\sigma = 5.16 \text{ mho/m}$; $\epsilon_r = 47.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch46/Area Scan (261x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.04 mW/g

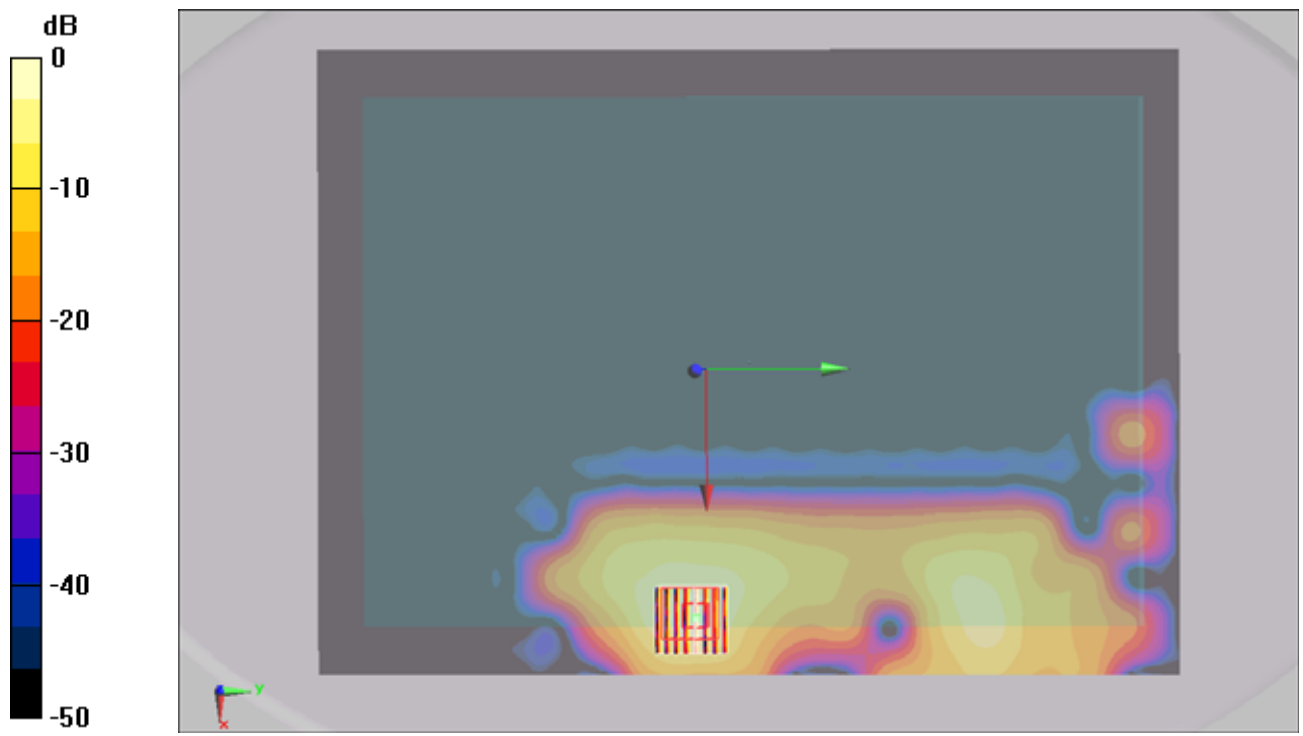
Ch46/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.018 dB

Peak SAR (extrapolated) = 2.21 W/kg

SAR(1 g) = 0.588 mW/g ; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (measured) = 1.17 mW/g



#06 802.11a_Bottom_0cm_Ch60_Ant1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 5.24 \text{ mho/m}$; $\epsilon_r = 47.2$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $22.5 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (101x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.07 mW/g

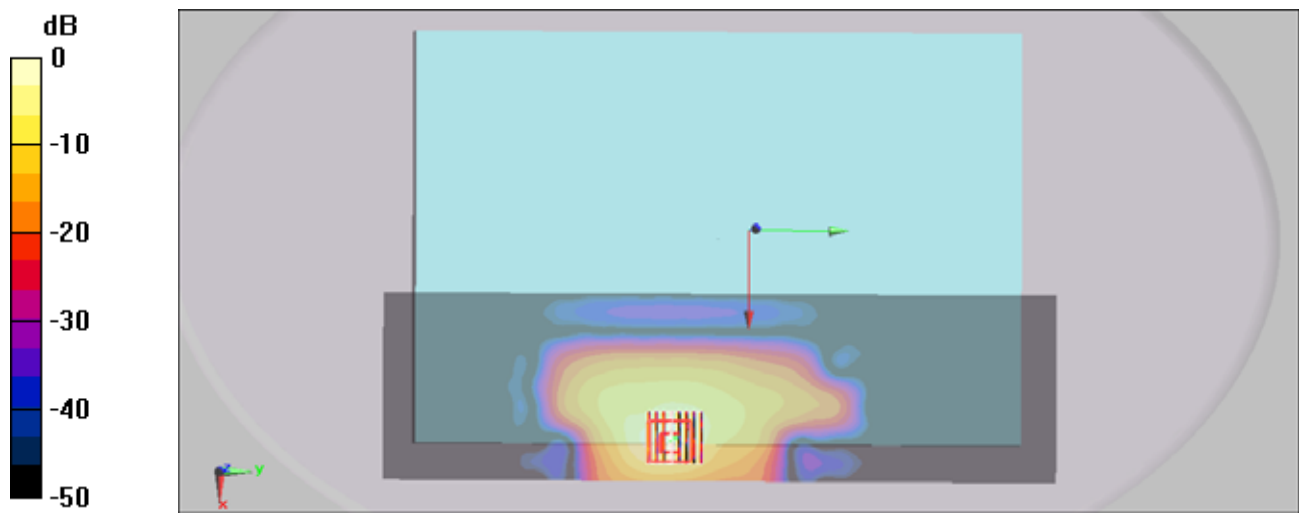
Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.656 mW/g ; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



#07 802.11a_Bottom_0cm_Ch60_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.24$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

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

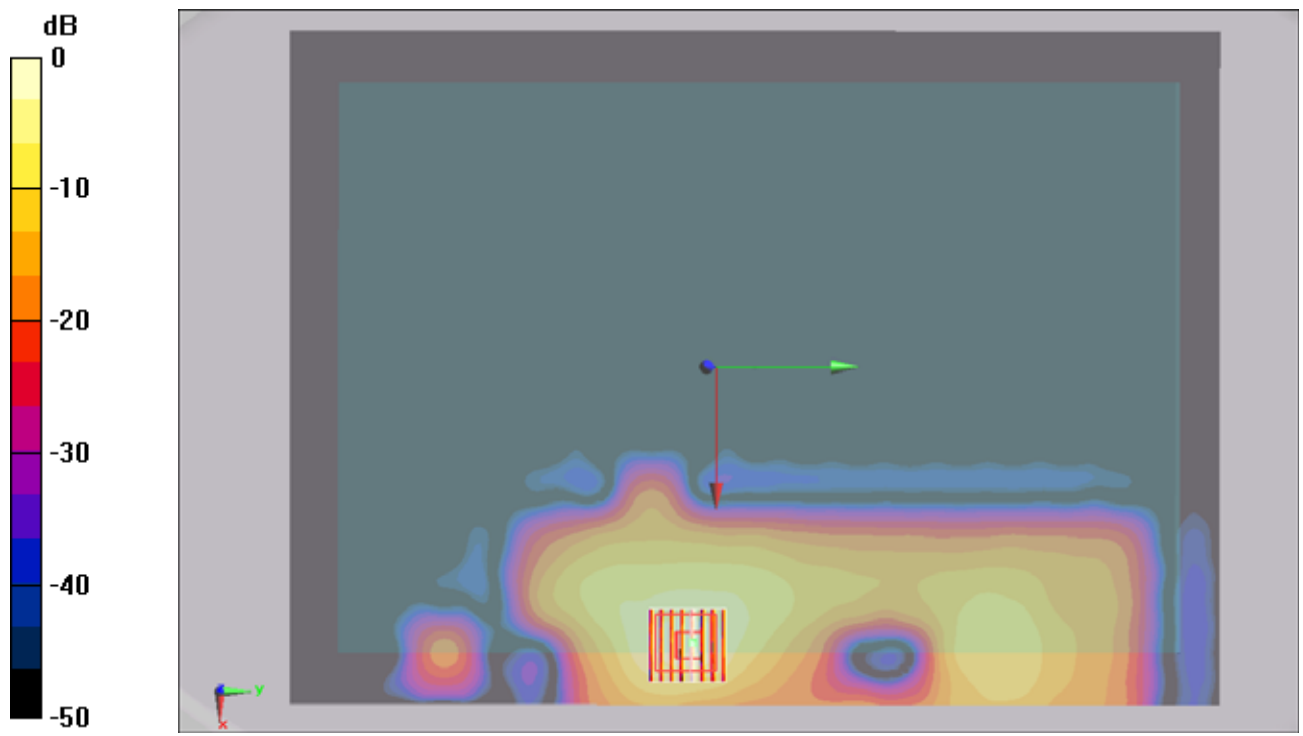
Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 1.4 mW/g



0 dB = 1.4mW/g

#07 802.11a_Bottom_0cm_Ch60_Ant0+1_Earphone_2D

DUT: 220337-02

Communication System: 802.11a; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used: $f = 5300$ MHz; $\sigma = 5.24$ mho/m; $\epsilon_r = 47.2$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(4.12, 4.12, 4.12); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch60/Area Scan (261x361x1): Measurement grid: dx=10mm, dy=10mm

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

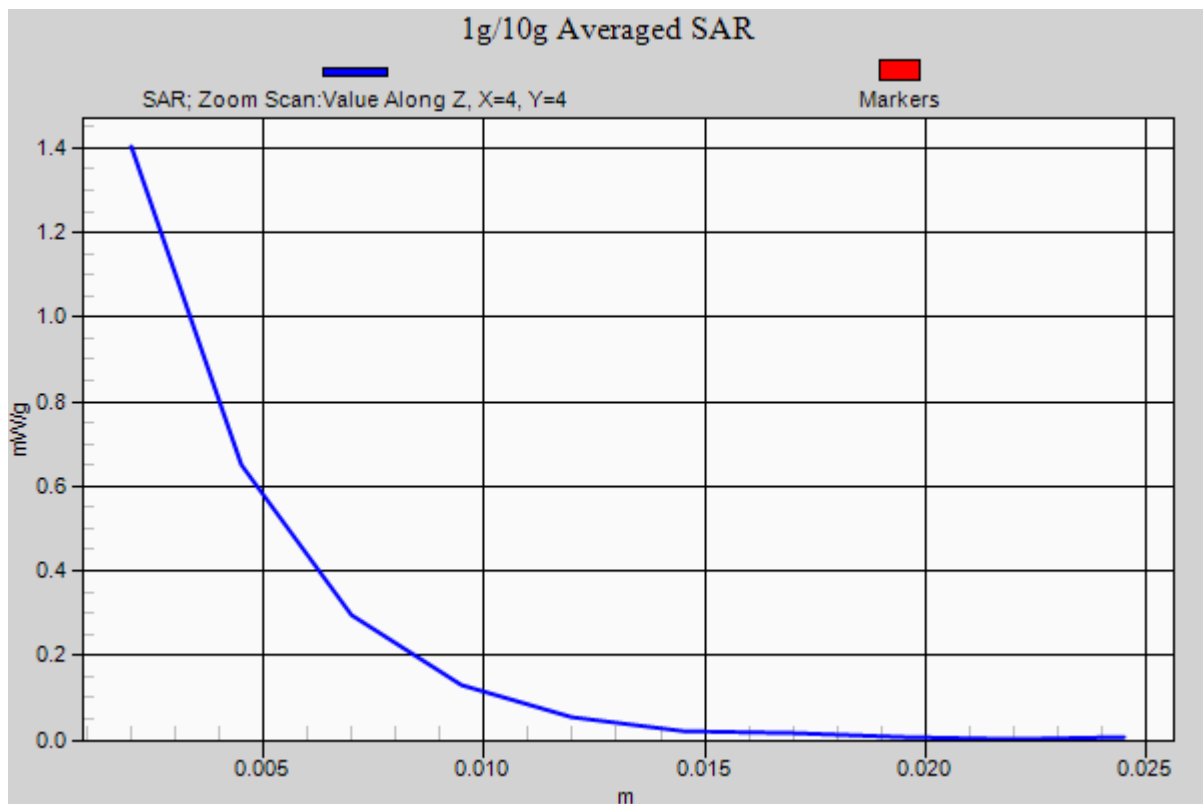
Ch60/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 1.4 mW/g



#08 802.11a_Bottom_0cm_Ch116_Ant1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.6 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(3.3, 3.3, 3.3); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (61x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.966 mW/g

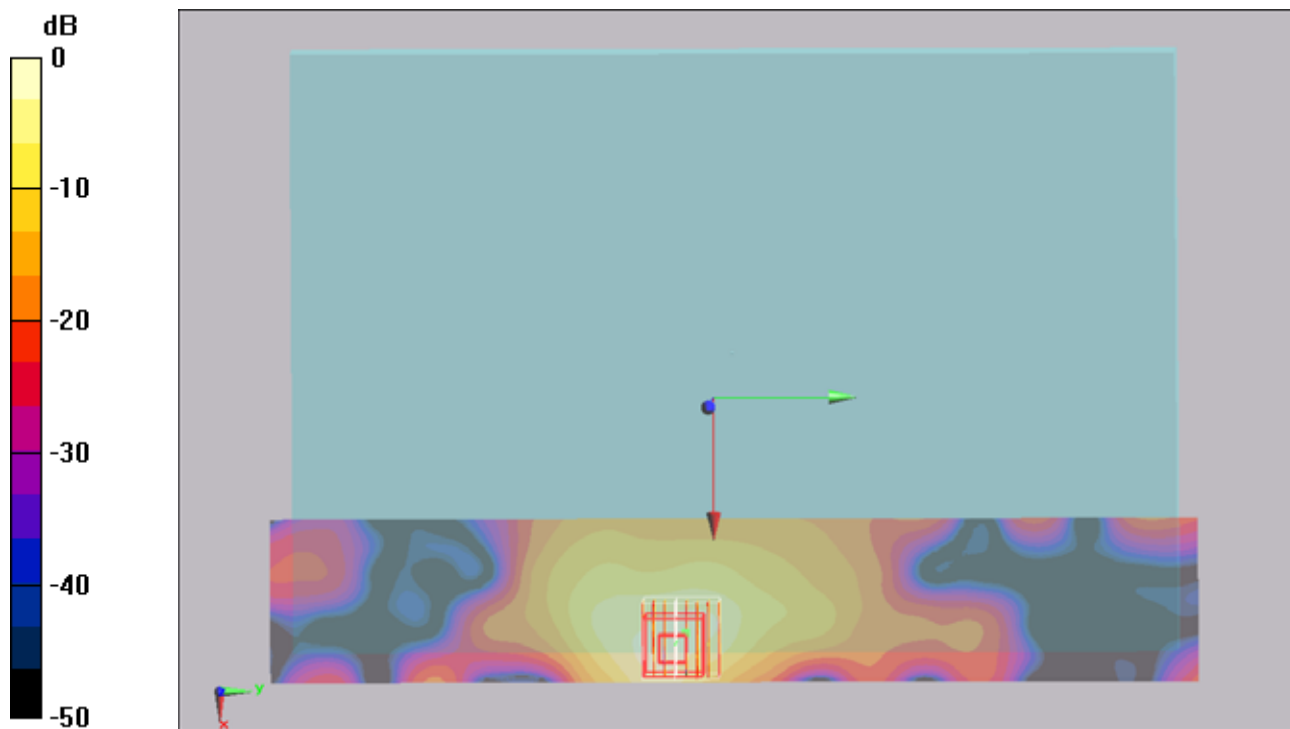
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 0.758 mW/g ; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 1.45 mW/g



#09 802.11a_Bottom_0cm_Ch116_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used : $f = 5580 \text{ MHz}$; $\sigma = 5.6 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(3.3, 3.3, 3.3); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (81x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

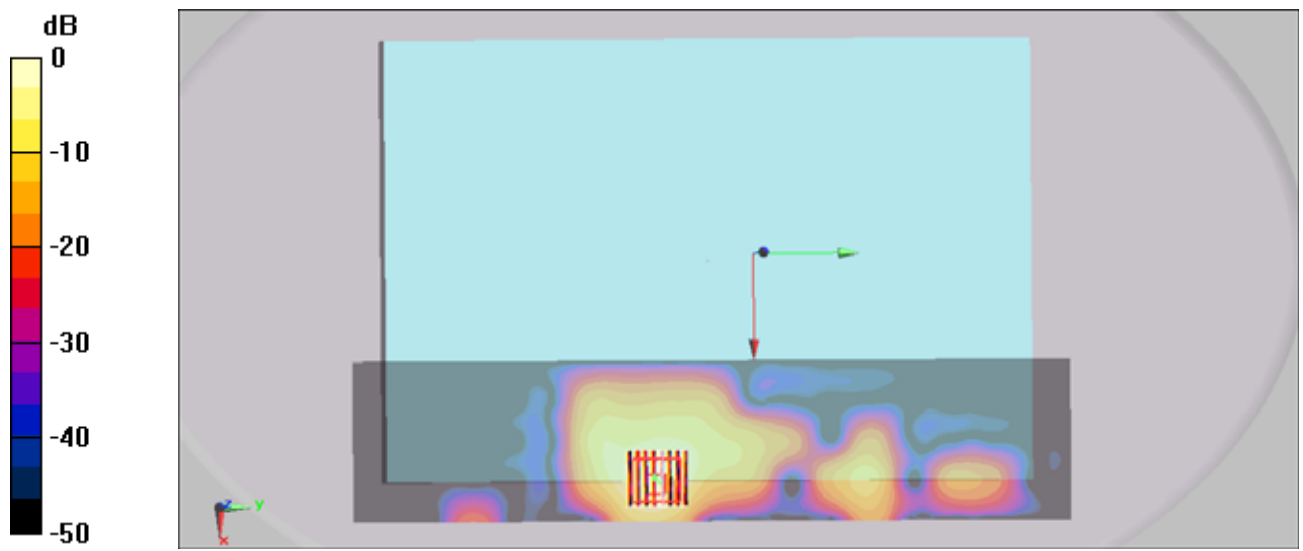
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 0.590 mW/g ; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



#10 802.11n_20M_Bottom_0cm_Ch116_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120229 Medium parameters used: $f = 5580 \text{ MHz}$; $\sigma = 5.59 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3831; ConvF(3.3, 3.3, 3.3); Calibrated: 2012/1/4
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn679; Calibrated: 2011/6/24
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch116/Area Scan (101x361x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

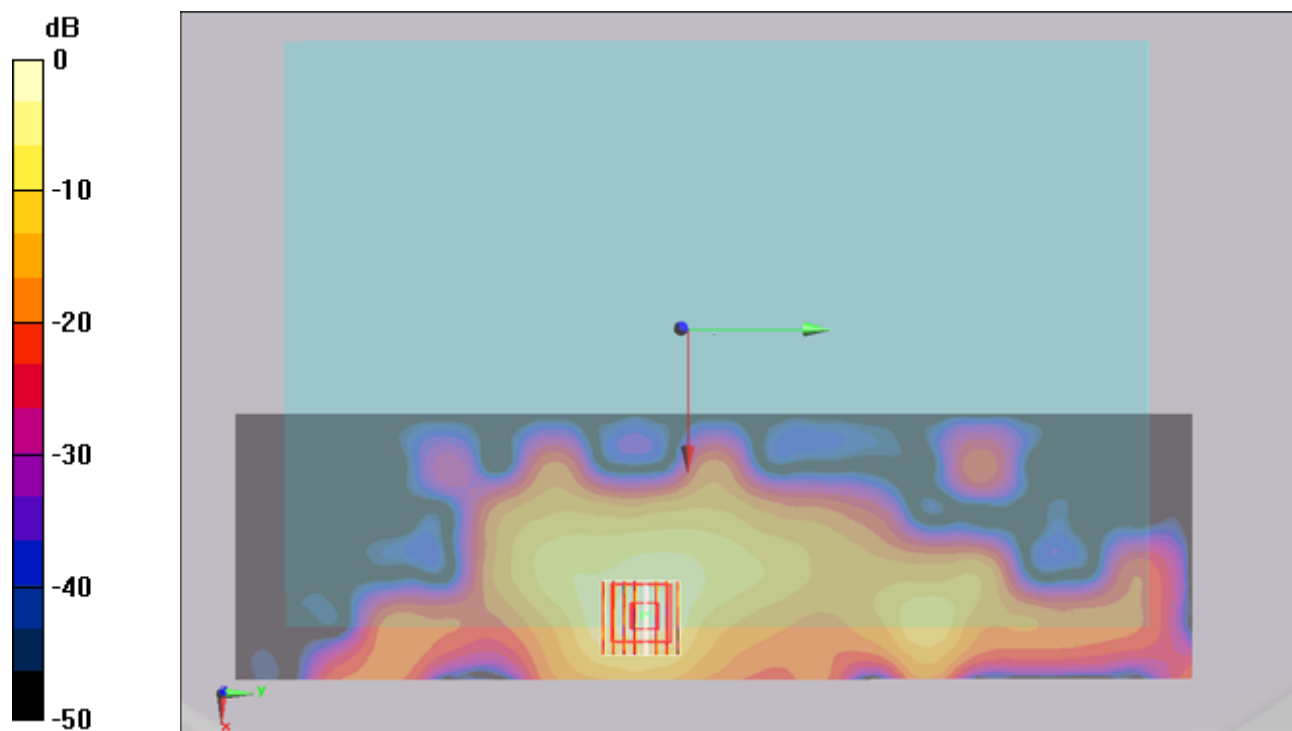
Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 0.722 mW/g ; SAR(10 g) = 0.259 mW/g

Maximum value of SAR (measured) = 1.41 mW/g



0 dB = 1.41mW/g

#11 802.11n_40M_Bottom_0cm_Ch118_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5590 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used : $f = 5590 \text{ MHz}$; $\sigma = 5.79 \text{ mho/m}$; $\epsilon_r = 46.8$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch118/Area Scan (81x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.73 mW/g

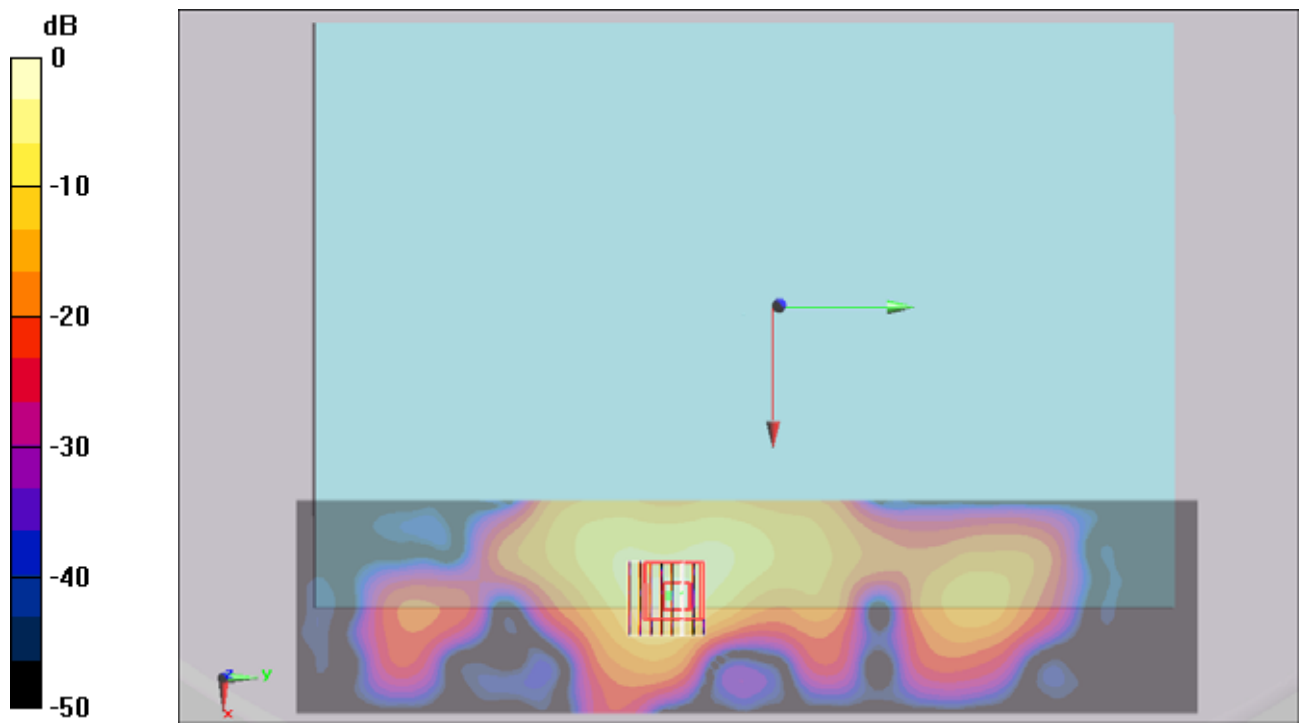
Ch118/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 1.01 mW/g ; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 2.05 mW/g



0 dB = 2.05mW/g

#11 802.11n_40M_Bottom_0cm_Ch118_Ant0+1_Earphone_2D

DUT: 220337-02

Communication System: 802.11n; Frequency: 5590 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used : $f = 5590$ MHz; $\sigma = 5.79$ mho/m; $\epsilon_r = 46.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch118/Area Scan (81x341x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.73 mW/g

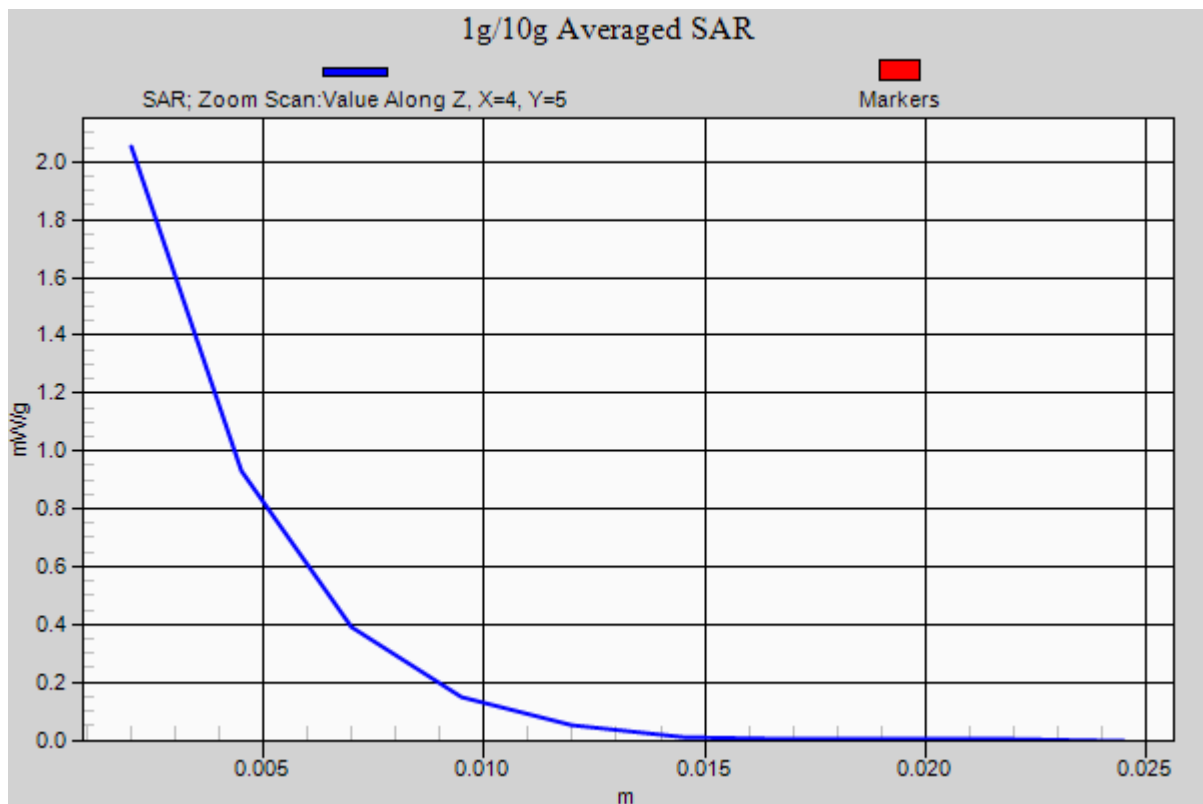
Ch118/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.342 mW/g

Maximum value of SAR (measured) = 2.05 mW/g



#16 802.11n_40M_Bottom_0cm_Ch102_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5510 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used : $f = 5510 \text{ MHz}$; $\sigma = 5.67 \text{ mho/m}$; $\epsilon_r = 47$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch102/Area Scan (81x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.290 mW/g

Ch102/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 1.81 V/m ; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.324 mW/g ; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.678 mW/g

#17 802.11a_Bottom_0cm_Ch134_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5670 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used: $f = 5670$ MHz; $\sigma = 5.92$ mho/m; $\epsilon_r = 46.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch134/Area Scan (81x341x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.64 mW/g

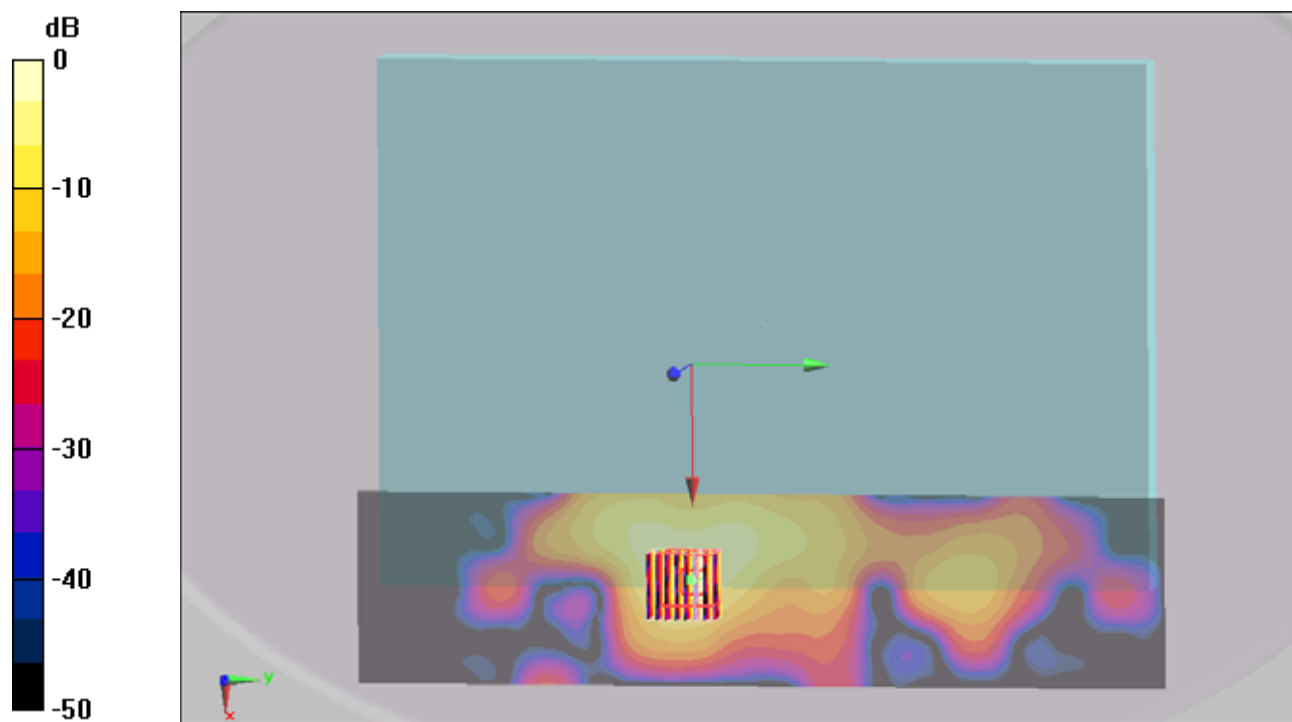
Ch134/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 1.53 mW/g



0 dB = 1.53mW/g

#12 802.11a_Bottom_0cm_Ch165_Ant1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used : $f = 5825 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.4$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (61x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

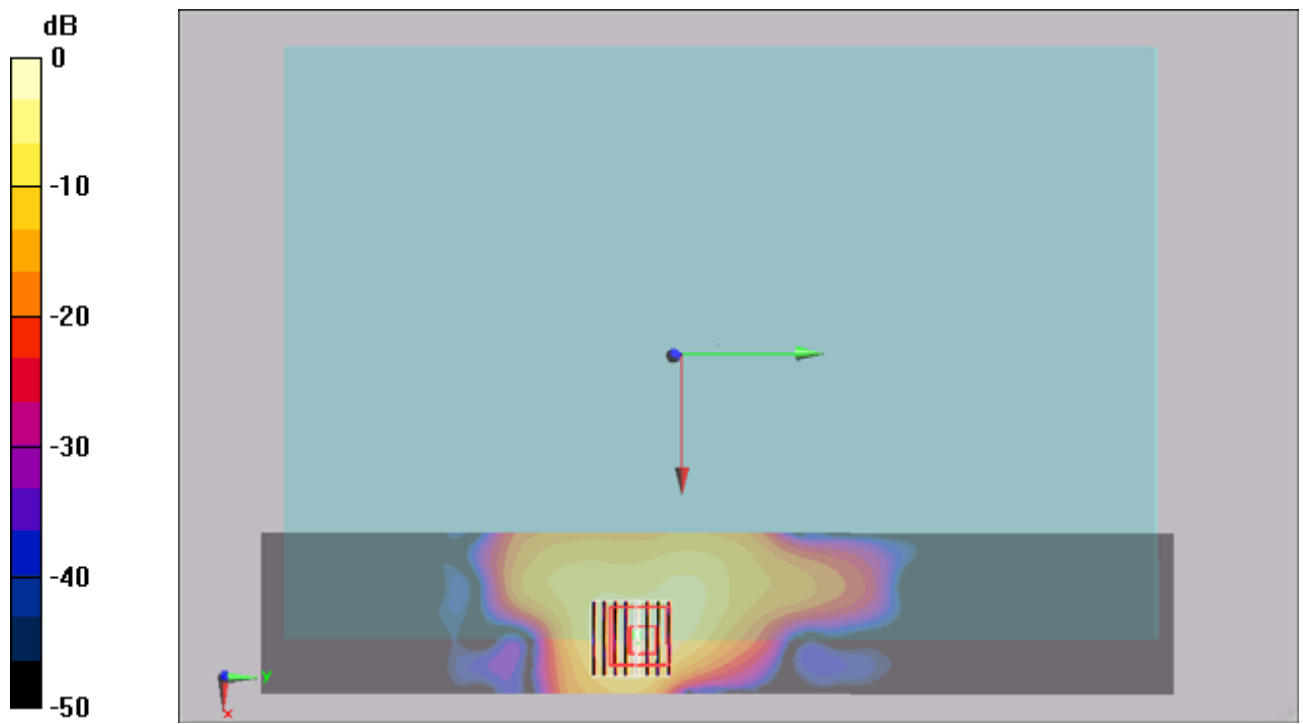
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.156 mW/g

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



0 dB = 1.02mW/g

#13 802.11a_Bottom_0cm_Ch165_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11a; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used : $f = 5825 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.586 mW/g

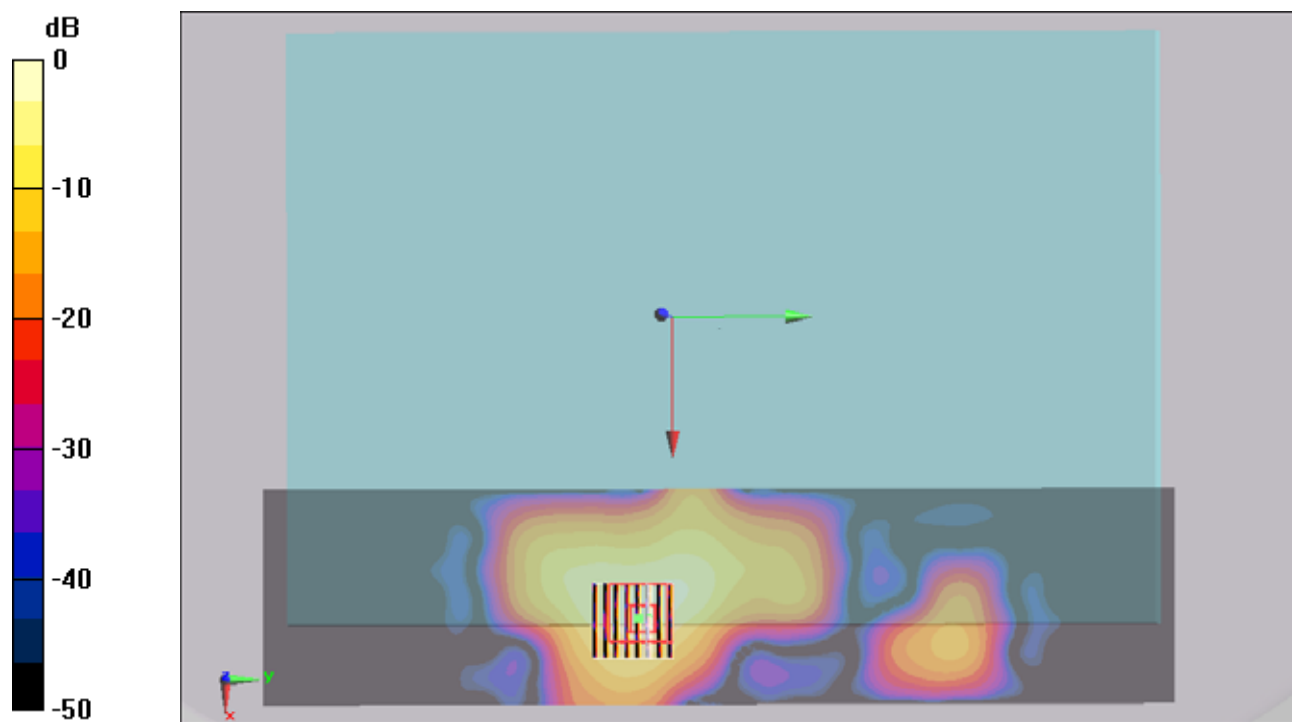
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.467 mW/g ; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 0.954 mW/g



#15 802.11n_20M_Bottom_0cm_Ch165_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 6.22 \text{ mho/m}$; $\epsilon_r = 46.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.34 mW/g

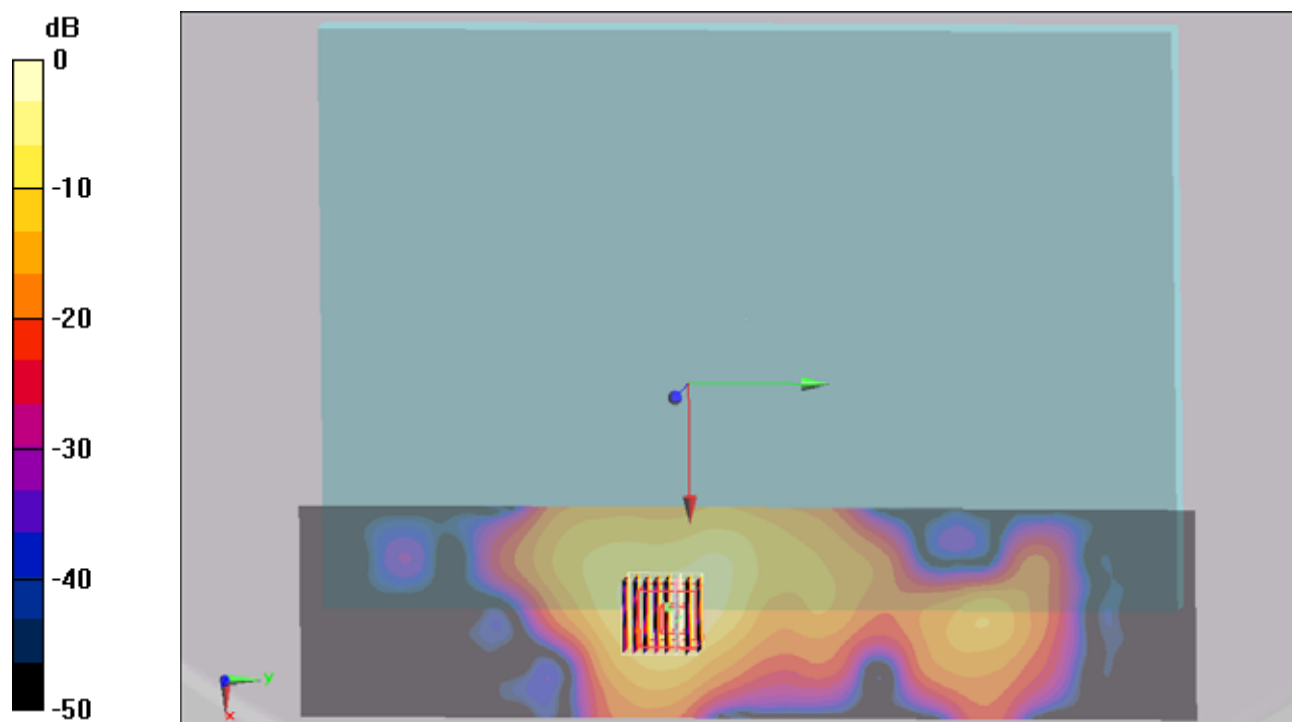
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 0.724 mW/g ; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



0 dB = 1.48mW/g

#15 802.11n_20M_Bottom_0cm_Ch165_Ant0+1_Earphone_2D

DUT: 220337-02

Communication System: 802.11n; Frequency: 5825 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used: $f = 5825$ MHz; $\sigma = 6.22$ mho/m; $\epsilon_r = 46.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch165/Area Scan (81x341x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.34 mW/g

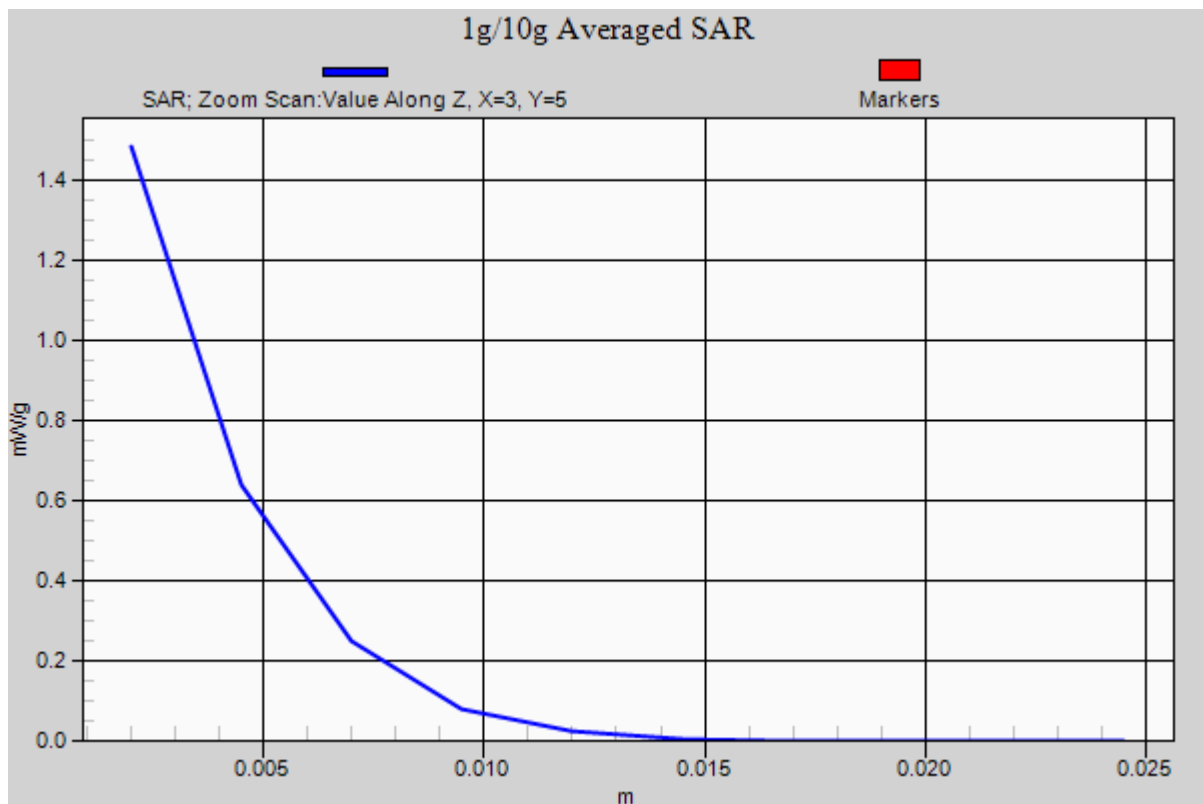
Ch165/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 0 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



#14 802.11n_40M_Bottom_0cm_Ch151_Ant0+1_Earphone

DUT: 220337-02

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium: MSL_5G_120307 Medium parameters used: $f = 5755 \text{ MHz}$; $\sigma = 6.11 \text{ mho/m}$; $\epsilon_r = 46.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6°C ; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 120; SEMCAD X Version 13.4 Build 45

Ch151/Area Scan (81x341x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

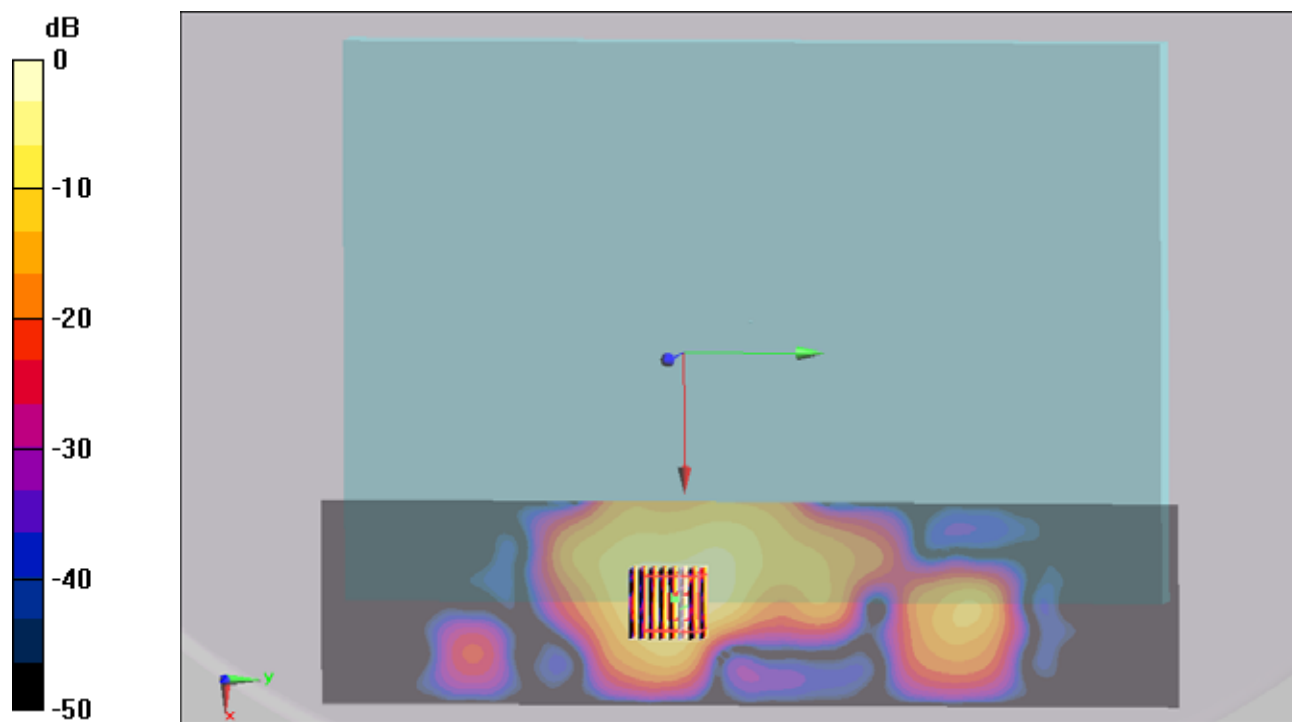
Ch151/Zoom Scan (8x8x10)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2.5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.113 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.560 mW/g ; SAR(10 g) = 0.183 mW/g

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



0 dB = 1.15mW/g