# Appendix B. Plots of SAR Measurement

The plots are shown as follows.

**#01 GSM850_Right Cheek_Ch251**

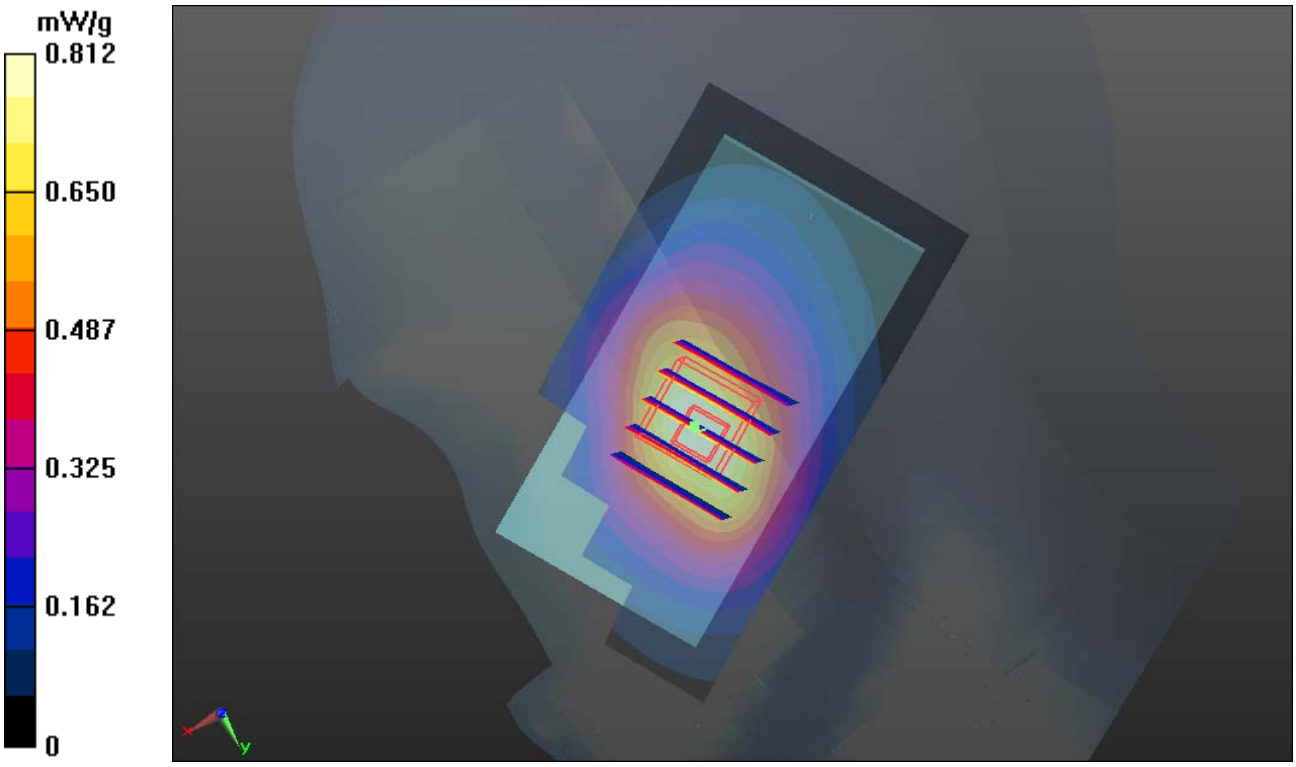
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_111220 Medium parameters used: f = 849 MHz; $\sigma$ = 0.933 mho/m; $\varepsilon_r$ = 41.688; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.812 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.878 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.007 W/kg
**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.535 mW/g**
Maximum value of SAR (measured) = 0.795 mW/g


mW/g
0.812
0.650
0.487
0.325
0.162
0

**#01 GSM850_Right Cheek_Ch251_2D**

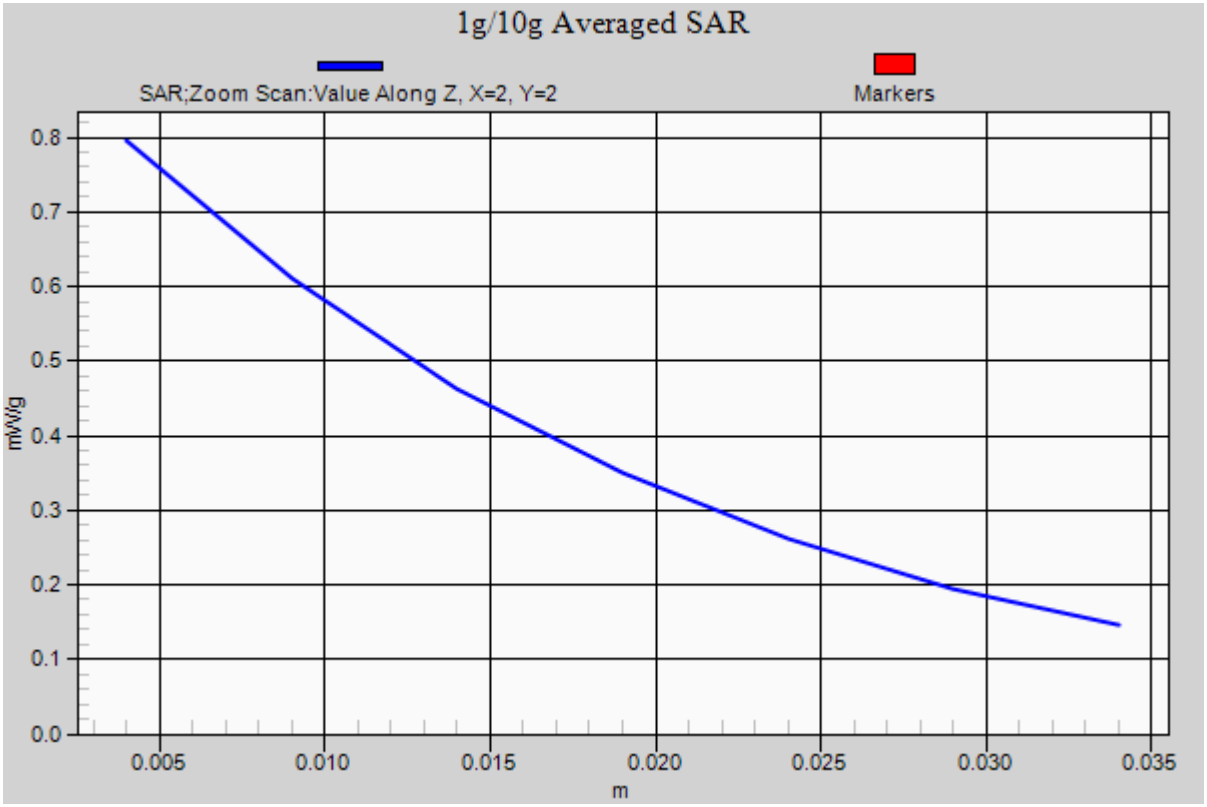
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_111220 Medium parameters used: f = 849 MHz; $\sigma$ = 0.933 mho/m; $\varepsilon_r$ = 41.688; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.812 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.878 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.007 W/kg
**SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.535 mW/g**
Maximum value of SAR (measured) = 0.795 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#02 GSM850_Right Tilted_Ch251**

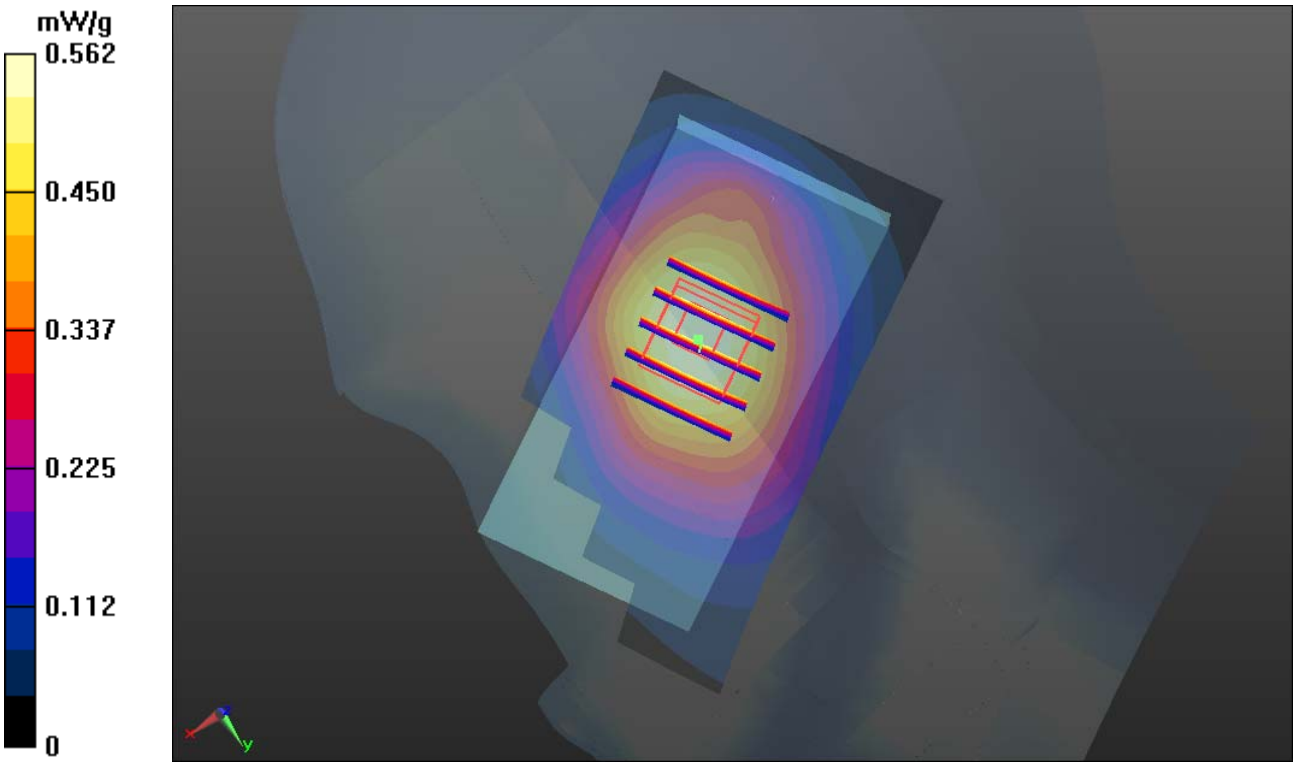
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_111220 Medium parameters used: f = 849 MHz; $\sigma$ = 0.933 mho/m; $\varepsilon_r$ = 41.688; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.562 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.060 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.671 W/kg
**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.404 mW/g**
Maximum value of SAR (measured) = 0.563 mW/g


mW/g
0.562
0.450
0.337
0.225
0.112
0
x
y

**#03 GSM850_Left Cheek_Ch251**

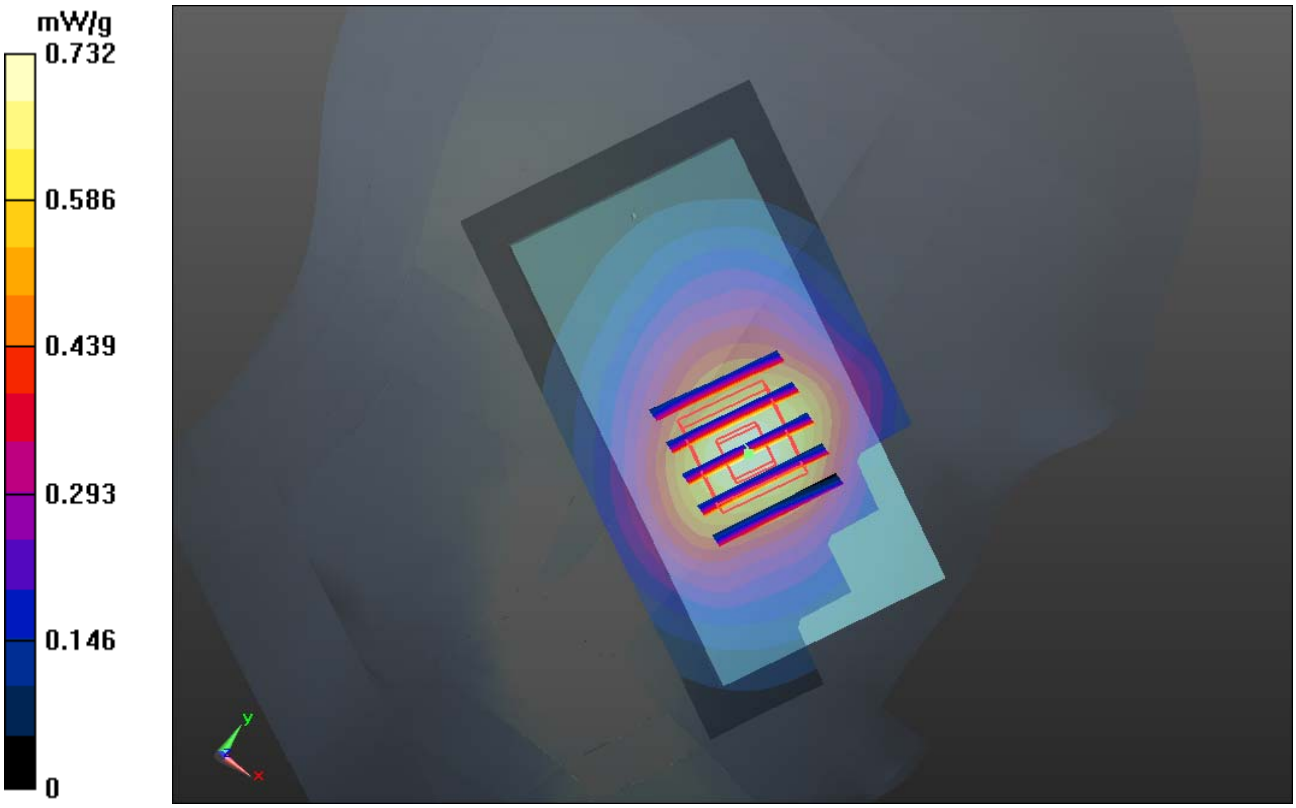
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_111220 Medium parameters used: f = 849 MHz; $\sigma$ = 0.933 mho/m; $\varepsilon_r$ = 41.688; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.732 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.140 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.857 W/kg
**SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.481 mW/g**
Maximum value of SAR (measured) = 0.714 mW/g


mW/g
0.732
0.586
0.439
0.293
0.146
0

**#04 GSM850_Left Tilted_Ch251**

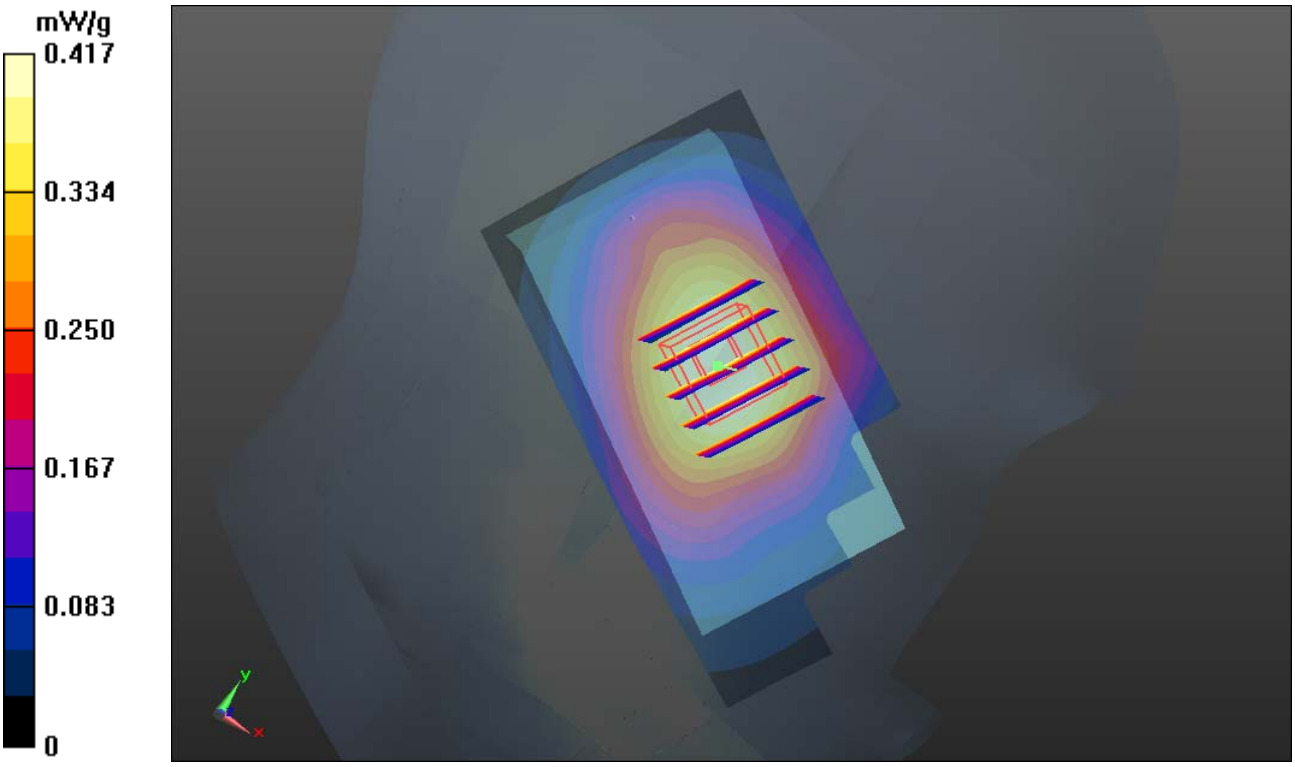
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_835_111220 Medium parameters used: f = 849 MHz; $\sigma$ = 0.933 mho/m; $\varepsilon_r$ = 41.688; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.417 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.703 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.507 W/kg
**SAR(1 g) = 0.403 mW/g; SAR(10 g) = 0.302 mW/g**
Maximum value of SAR (measured) = 0.420 mW/g


mW/g
0.417
0.334
0.250
0.167
0.083
0
y
x

**#13 GSM1900_Right Cheek_Ch810**

**DUT: 1D1601**

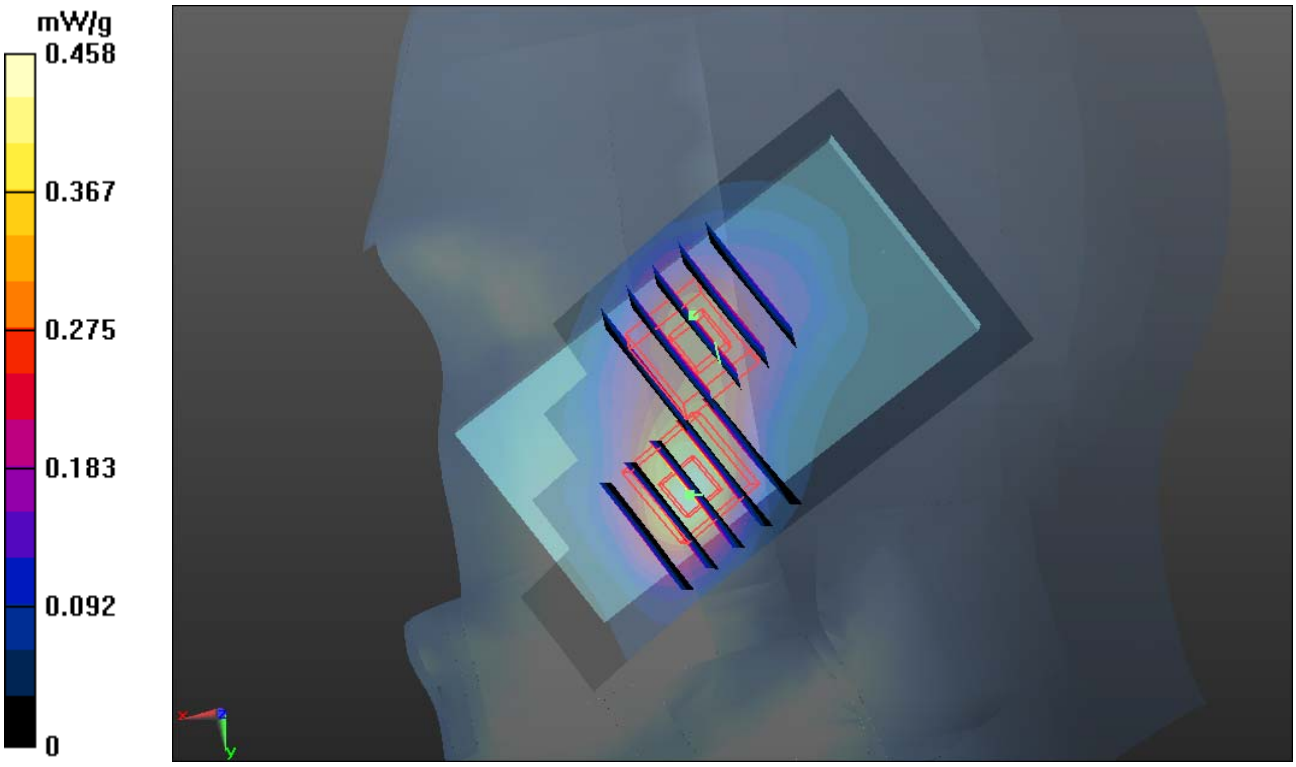
Communication System: General GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_111220 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 40.491; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.458 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.622 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.711 W/kg
**SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.228 mW/g**
Maximum value of SAR (measured) = 0.462 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.622 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.413 W/kg
**SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.181 mW/g**
Maximum value of SAR (measured) = 0.303 mW/g


mW/g
0.458
0.367
0.275
0.183
0.092
0

**#14 GSM1900_Right Tilted_Ch810**

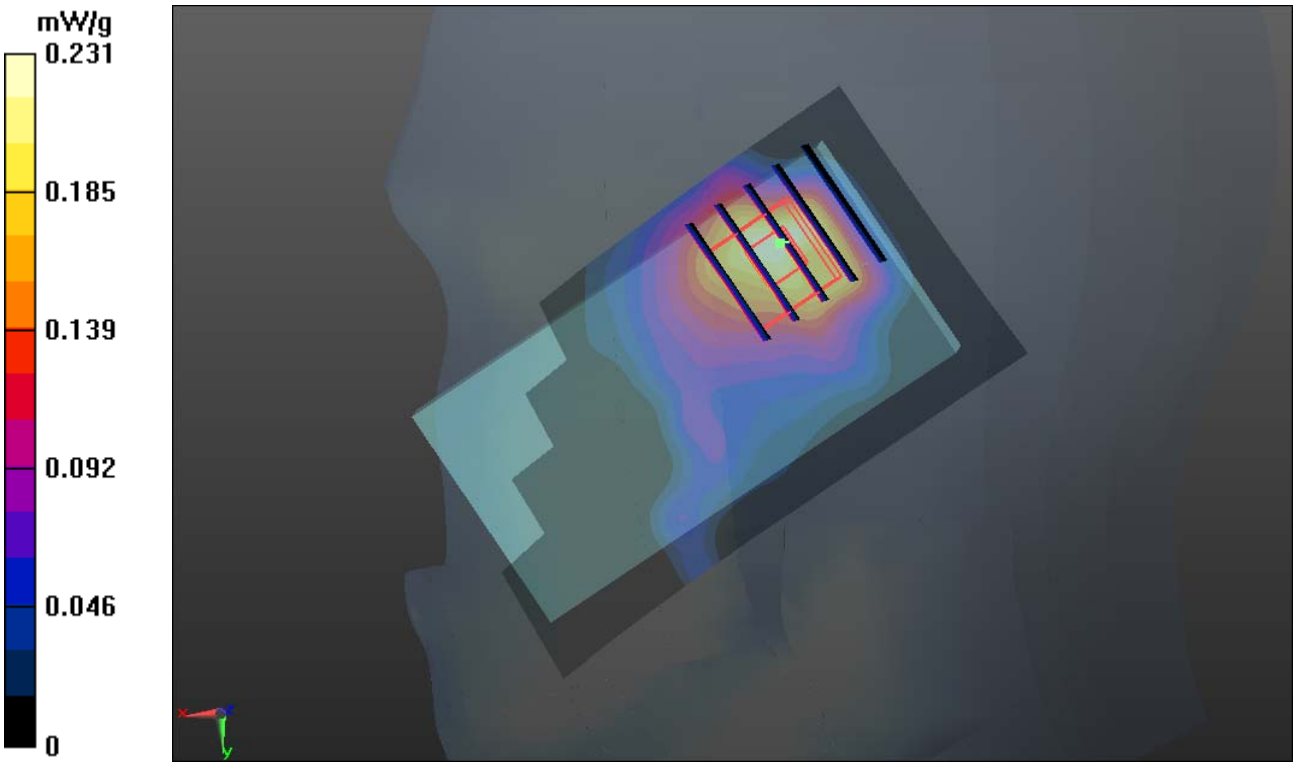
**DUT: 1D1601**

Communication System: General GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_111220 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 40.491; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.231 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.785 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.301 W/kg
**SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.113 mW/g**
Maximum value of SAR (measured) = 0.204 mW/g


mW/g
0.231
0.185
0.139
0.092
0.046
0

**#15 GSM1900_Left Cheek_Ch810**

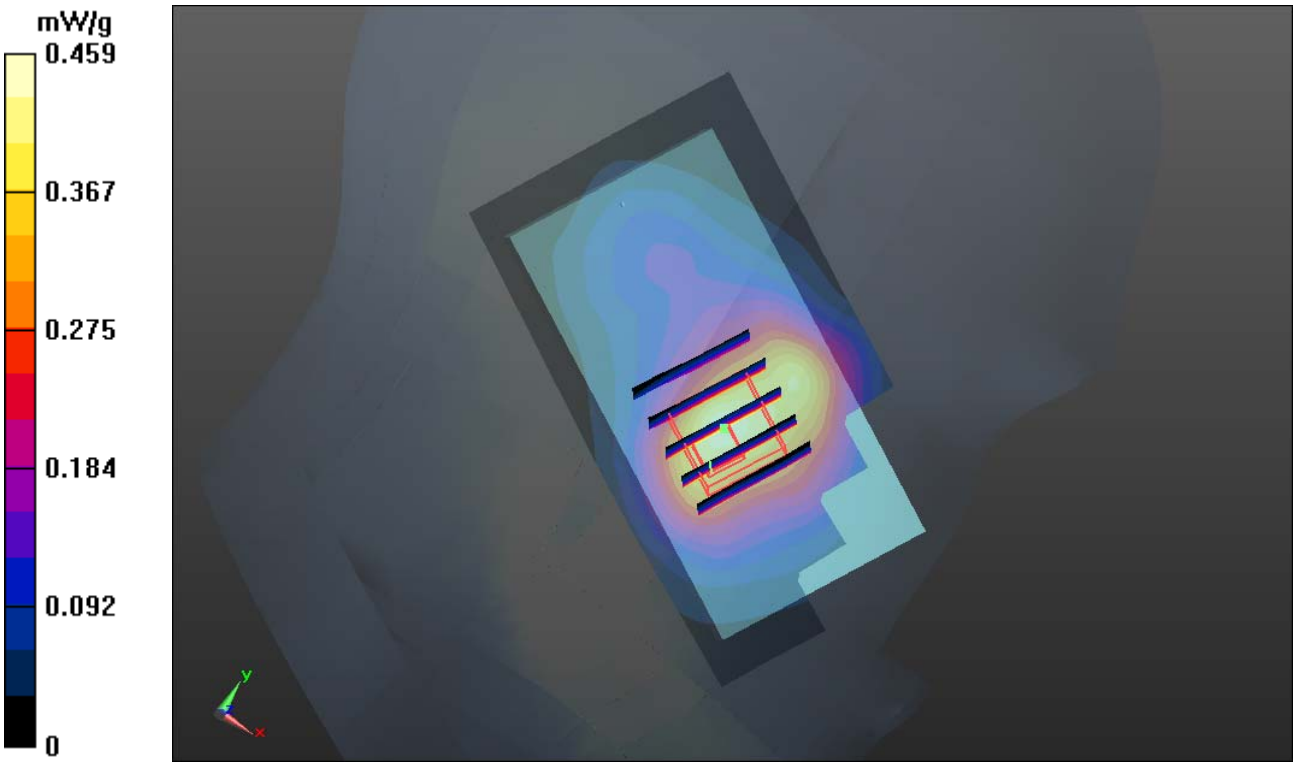
**DUT: 1D1601**

Communication System: General GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_111220 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 40.491; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.459 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.797 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.734 W/kg
**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.258 mW/g**
Maximum value of SAR (measured) = 0.470 mW/g


mW/g
0.459
0.367
0.275
0.184
0.092
0
y
x

**#15 GSM1900_Left Cheek_Ch810_2D**

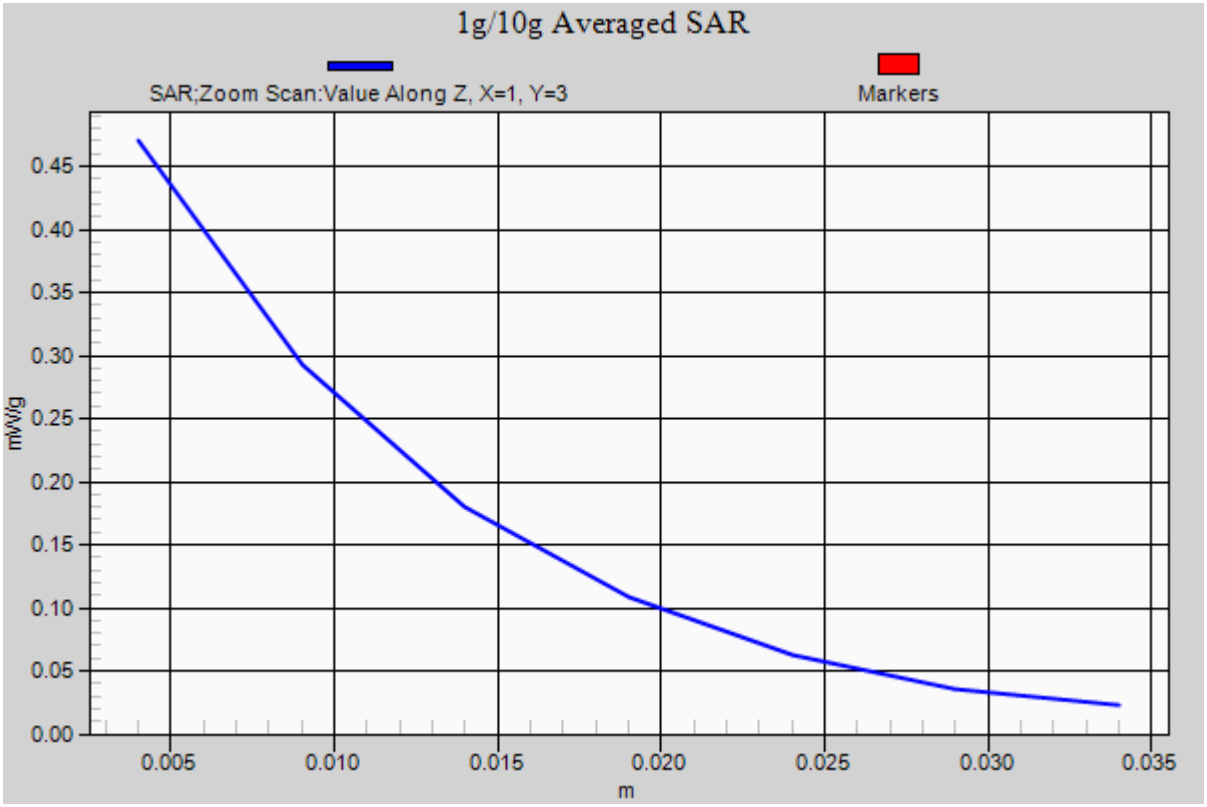
**DUT: 1D1601**

Communication System: General GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_111220 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 40.491; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.459 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.797 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.734 W/kg
**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.258 mW/g**
Maximum value of SAR (measured) = 0.470 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=1, Y=3
Markers
mW/g
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#16 GSM1900_Left Tilted_Ch810**

**DUT: 1D1601**

Communication System: General GSM; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_111220 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.425 mho/m; $\varepsilon_r$ = 40.491; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.2 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.215 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.939 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.316 W/kg
**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.116 mW/g**
Maximum value of SAR (measured) = 0.222 mW/g


mW/g
0.215
0.172
0.129
0.086
0.043
0
y
x

**#07 WCDMA V_RMC 12.2K_Right Cheek_Ch4233**

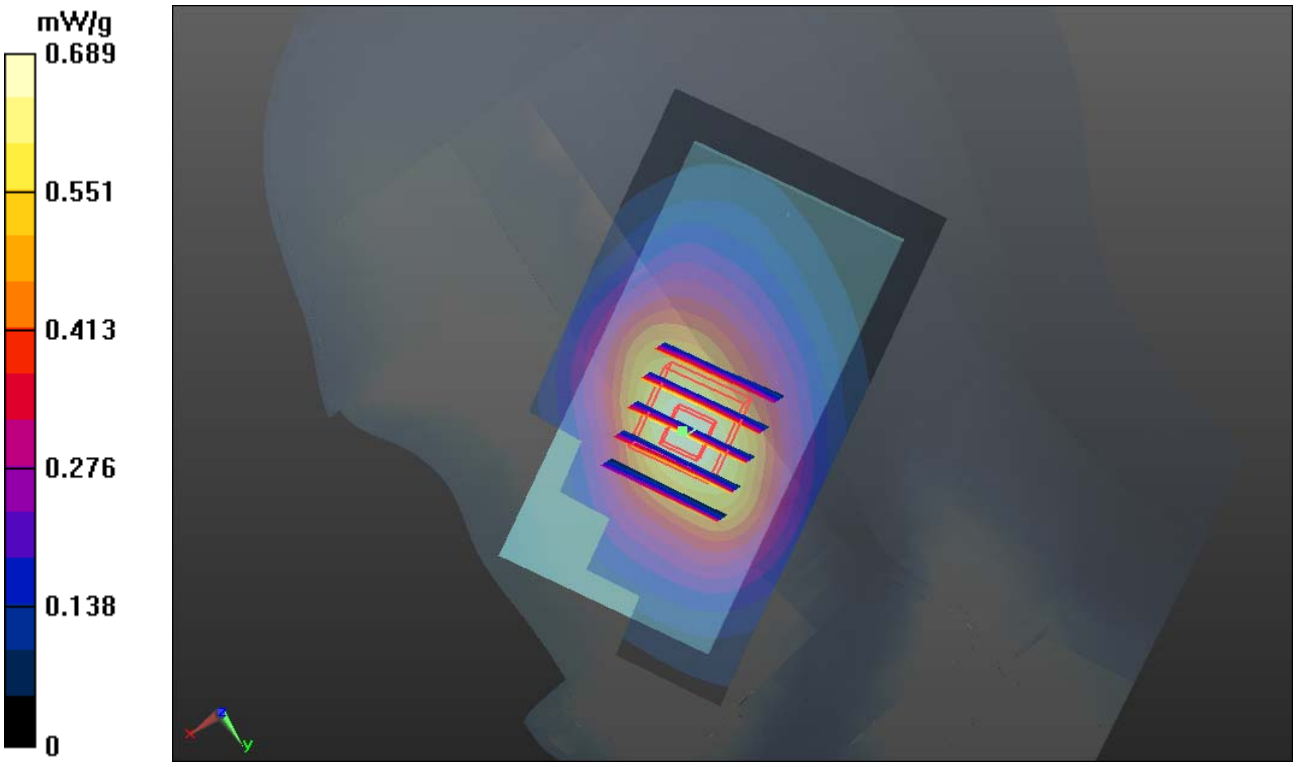
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_111220 Medium parameters used: f = 847 MHz; $\sigma$ = 0.931 mho/m; $\varepsilon_r$ = 41.71; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.689 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.927 V/m; Power Drift = 0.0039 dB
Peak SAR (extrapolated) = 0.829 W/kg
**SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.445 mW/g**
Maximum value of SAR (measured) = 0.658 mW/g


mW/g
0.689
0.551
0.413
0.276
0.138
0

**#08 WCDMA V_RMC 12.2K_Right Tilted_Ch4233**

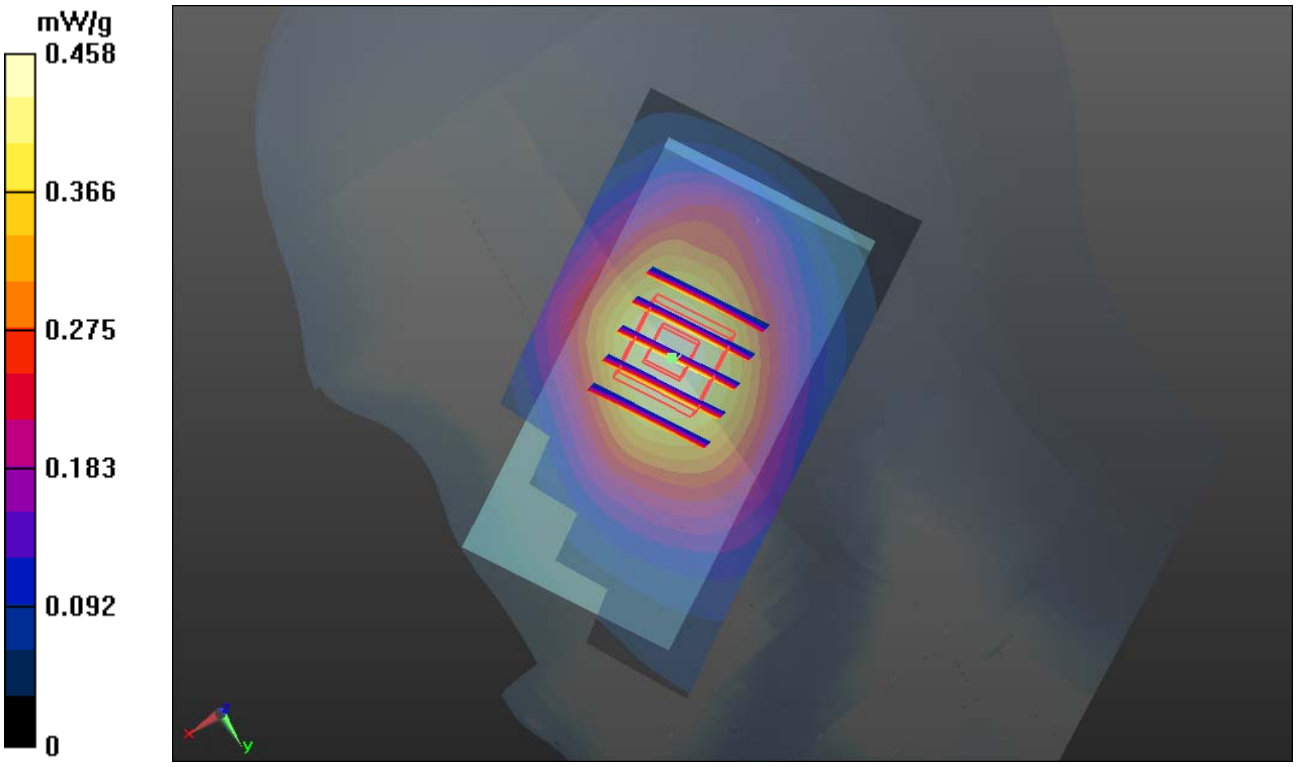
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_111220 Medium parameters used: f = 847 MHz; $\sigma$ = 0.931 mho/m; $\varepsilon_r$ = 41.71; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.458 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.865 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.549 W/kg
**SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.327 mW/g**
Maximum value of SAR (measured) = 0.453 mW/g


mW/g
0.458
0.366
0.275
0.183
0.092
0
y

**#09 WCDMA V_RMC 12.2K_Left Cheek_Ch4233**

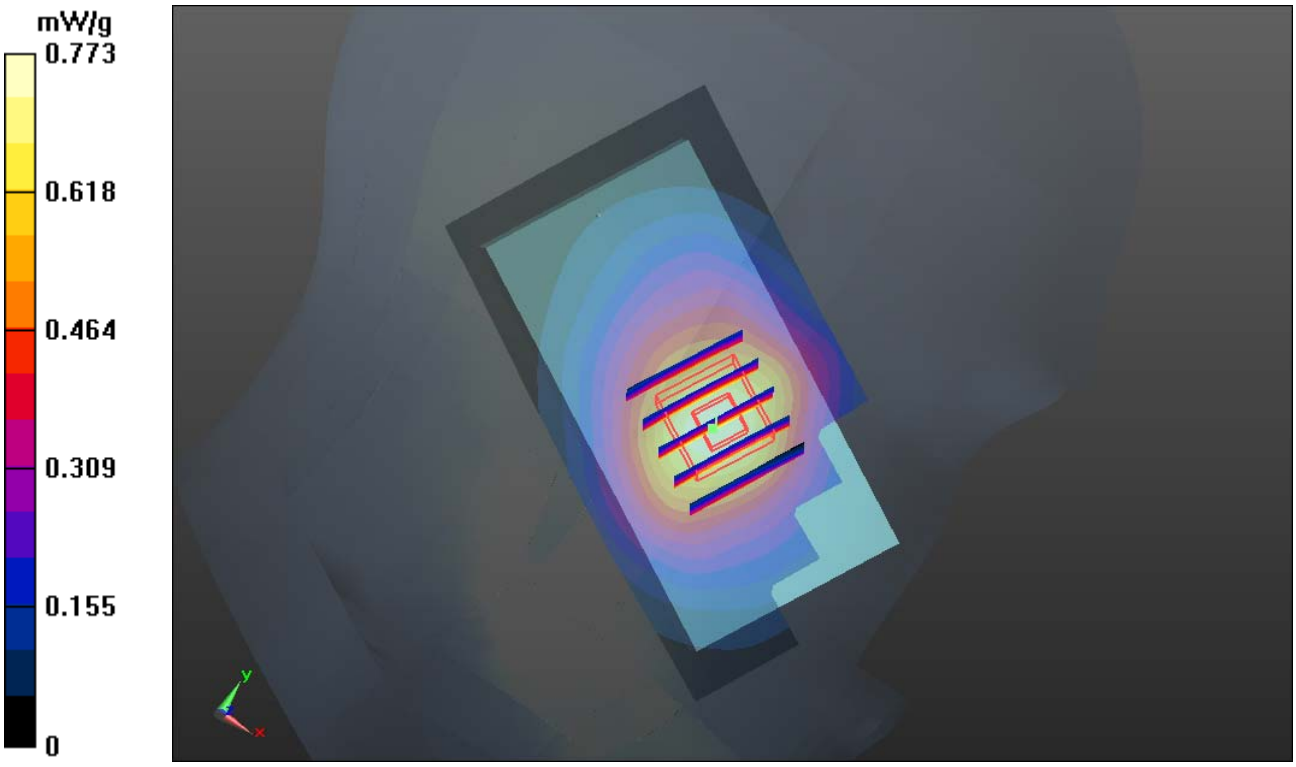
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_111220 Medium parameters used: f = 847 MHz; $\sigma$ = 0.931 mho/m; $\varepsilon_r$ = 41.71; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃； Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.773 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.239 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.878 W/kg
**SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.505 mW/g**
Maximum value of SAR (measured) = 0.726 mW/g


mW/g
0.773
0.618
0.464
0.309
0.155
0
y
x

**#09 WCDMA V_RMC 12.2K_Left Cheek_Ch4233_2D**

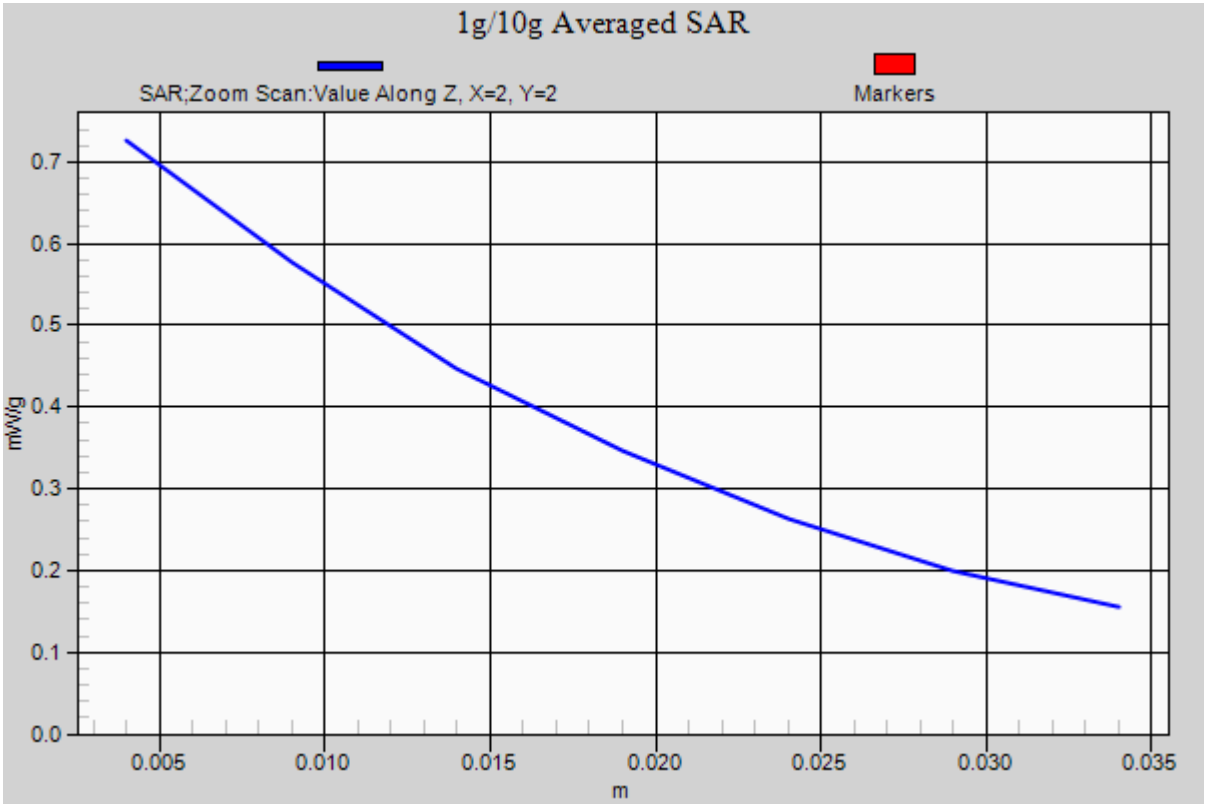
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_111220 Medium parameters used: f = 847 MHz; $\sigma$ = 0.931 mho/m; $\varepsilon_r$ = 41.71; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.773 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.239 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.878 W/kg
**SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.505 mW/g**
Maximum value of SAR (measured) = 0.726 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#10 WCDMA V_RMC 12.2K_Left Tilted_Ch4233**

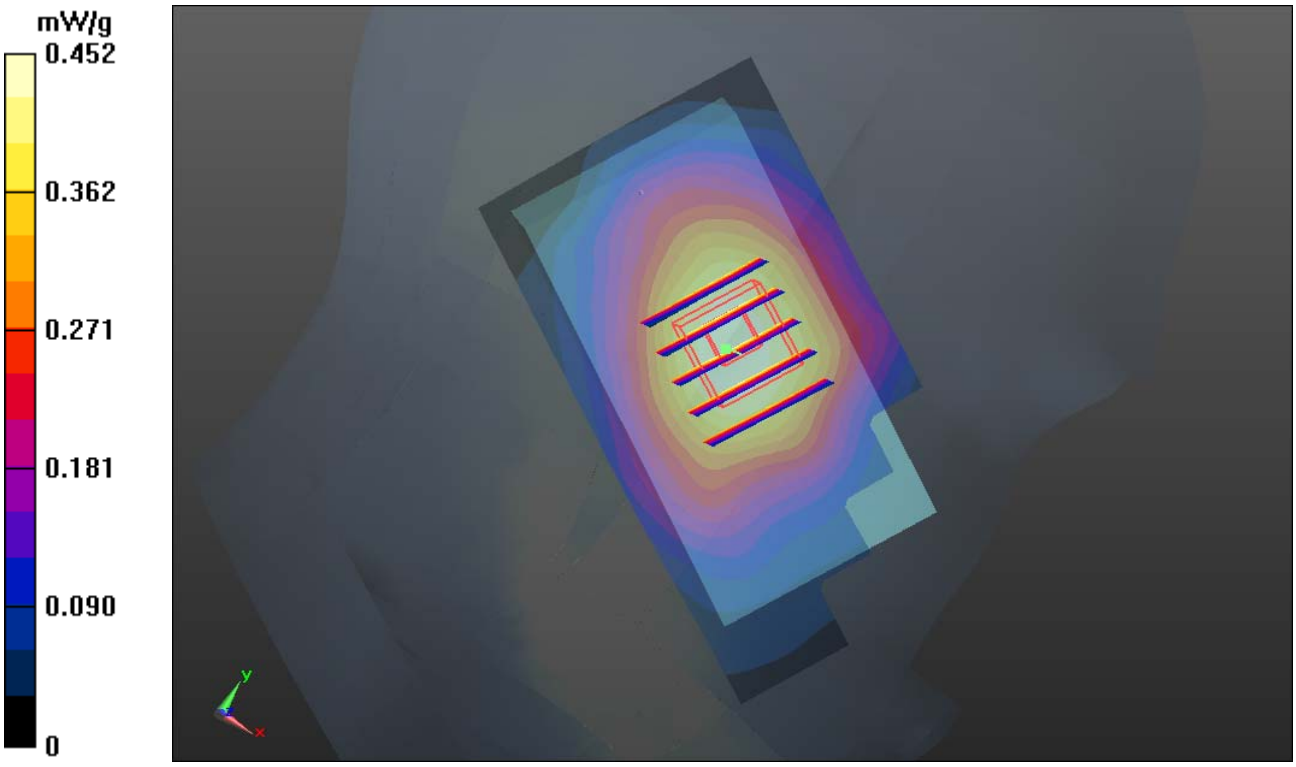
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: HSL_835_111220 Medium parameters used: f = 847 MHz; $\sigma$ = 0.931 mho/m; $\varepsilon_r$ = 41.71; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.452 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.923 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.559 W/kg
**SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.328 mW/g**
Maximum value of SAR (measured) = 0.459 mW/g


mW/g
0.452
0.362
0.271
0.181
0.090
0
y
x

**#11 GSM850_GPRS8_Front_1cm_Ch251**

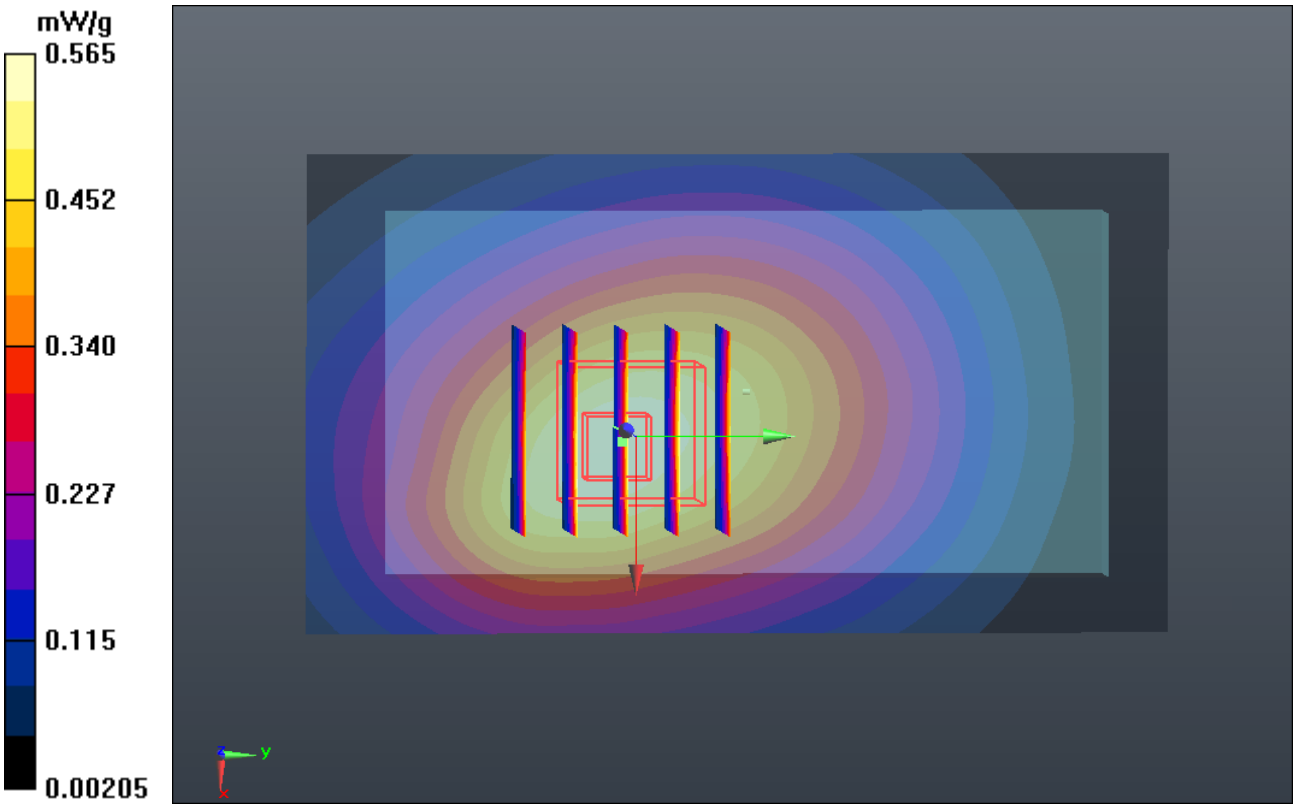
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.565 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.681 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.718 W/kg
**SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.379 mW/g**
Maximum value of SAR (measured) = 0.559 mW/g


mW/g
0.565
0.452
0.340
0.227
0.115
0.00205
y

**#12 GSM850_GPRS8_Back_1cm_Ch251**

**DUT: 1D1601**

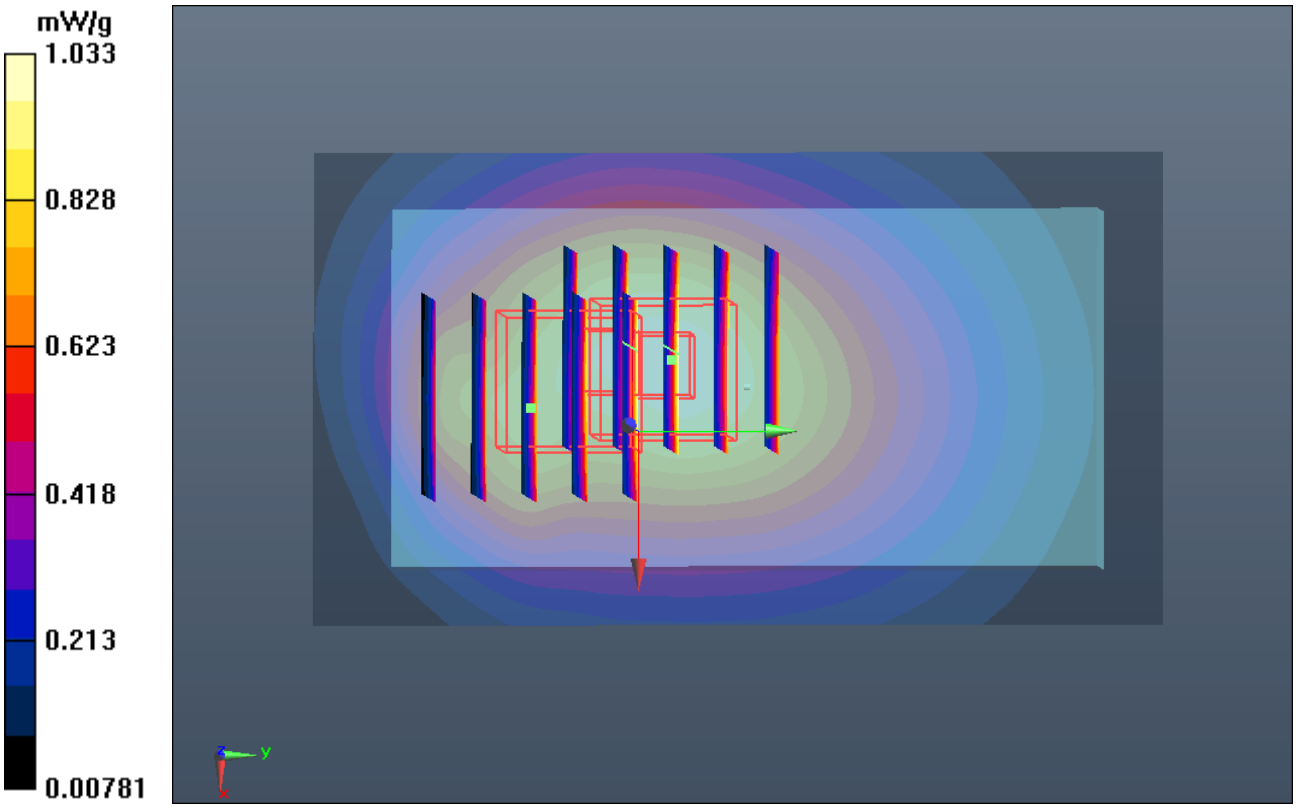
Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.033 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.699 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.341 W/kg
**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.702 mW/g**
Maximum value of SAR (measured) = 1.037 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.699 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.330 W/kg
**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.610 mW/g**
Maximum value of SAR (measured) = 1.031 mW/g


mW/g
1.033
0.828
0.623
0.418
0.213
0.00781

**#12 GSM850_GPRS8_Back_1cm_Ch251_2D**

**DUT: 1D1601**

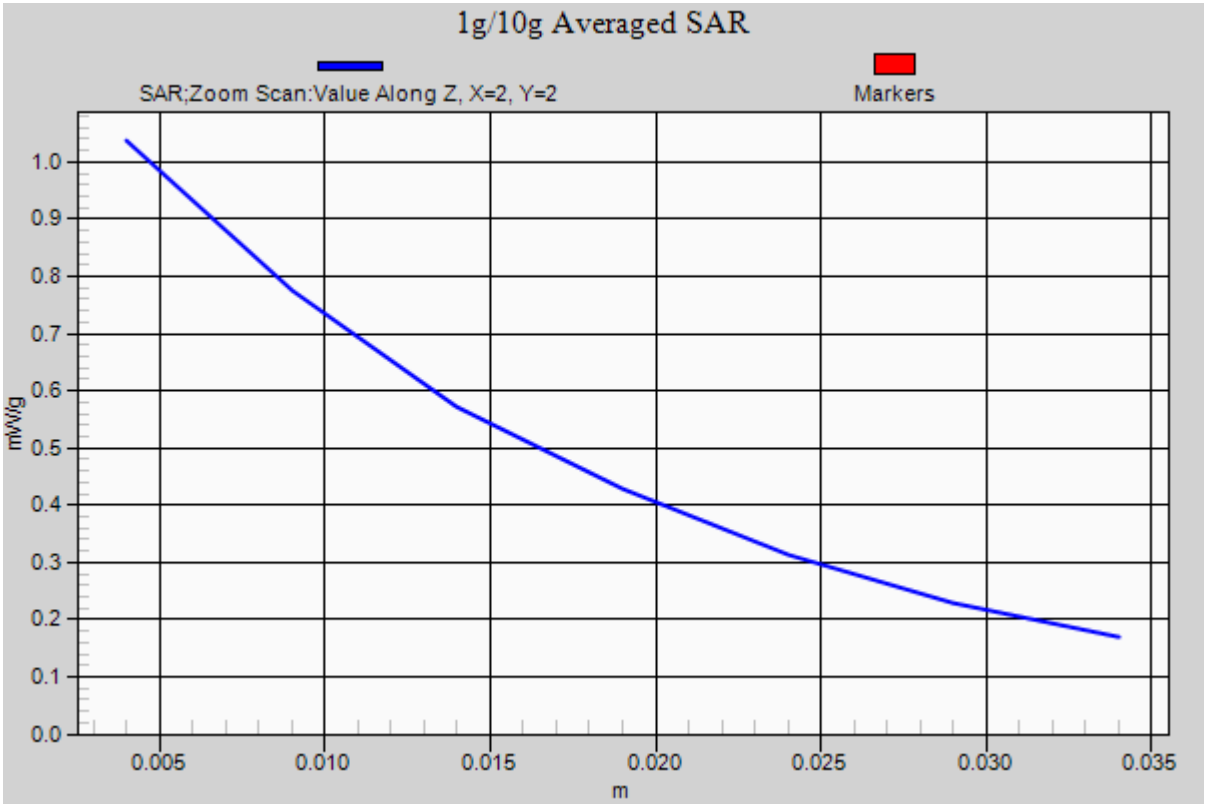
Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.033 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.699 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.341 W/kg
**SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.702 mW/g**
Maximum value of SAR (measured) = 1.037 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.699 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.330 W/kg
**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.610 mW/g**
Maximum value of SAR (measured) = 1.031 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#17 GSM850_GPRS8_Left Side_1cm_Ch251**

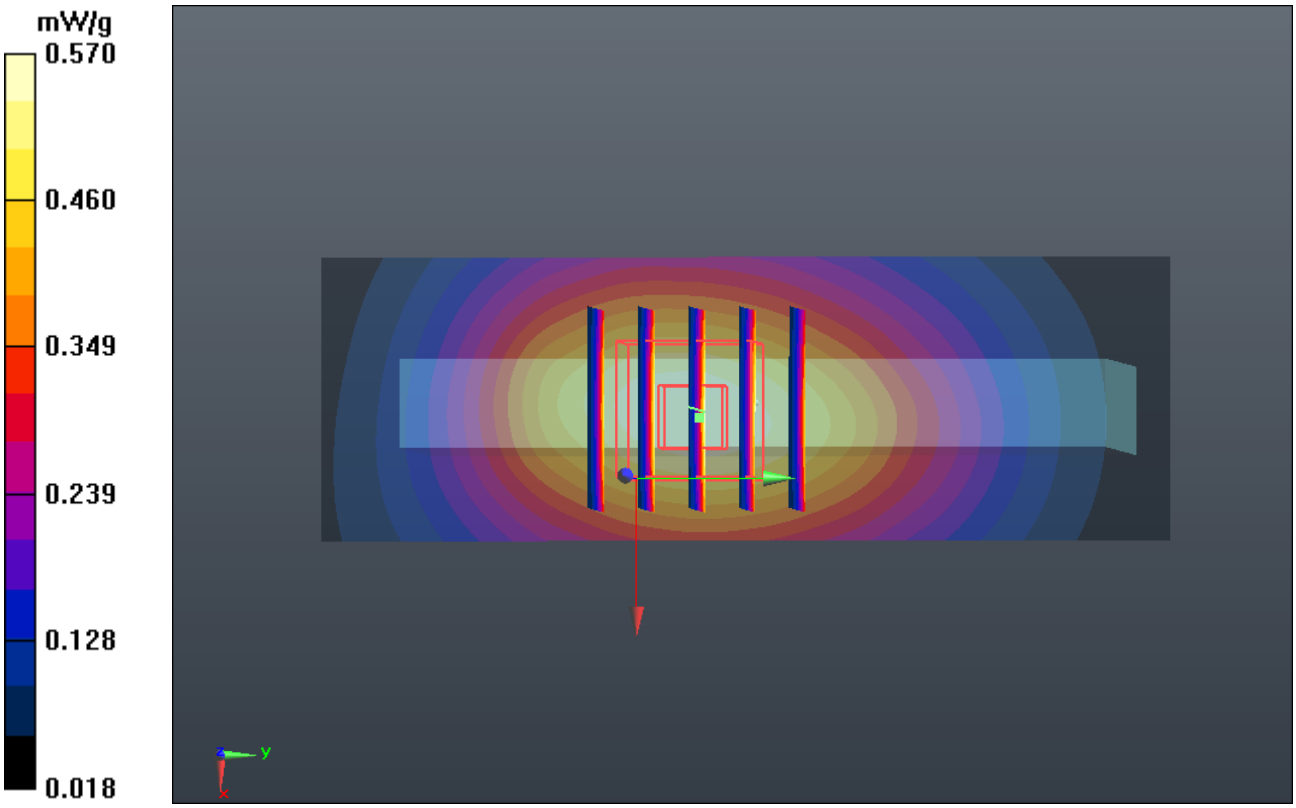
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.570 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.619 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.740 W/kg
**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.368 mW/g**
Maximum value of SAR (measured) = 0.567 mW/g


mW/g
0.570
0.460
0.349
0.239
0.128
0.018
y

**#18 GSM850_GPRS8_Right Side_1cm_Ch251**

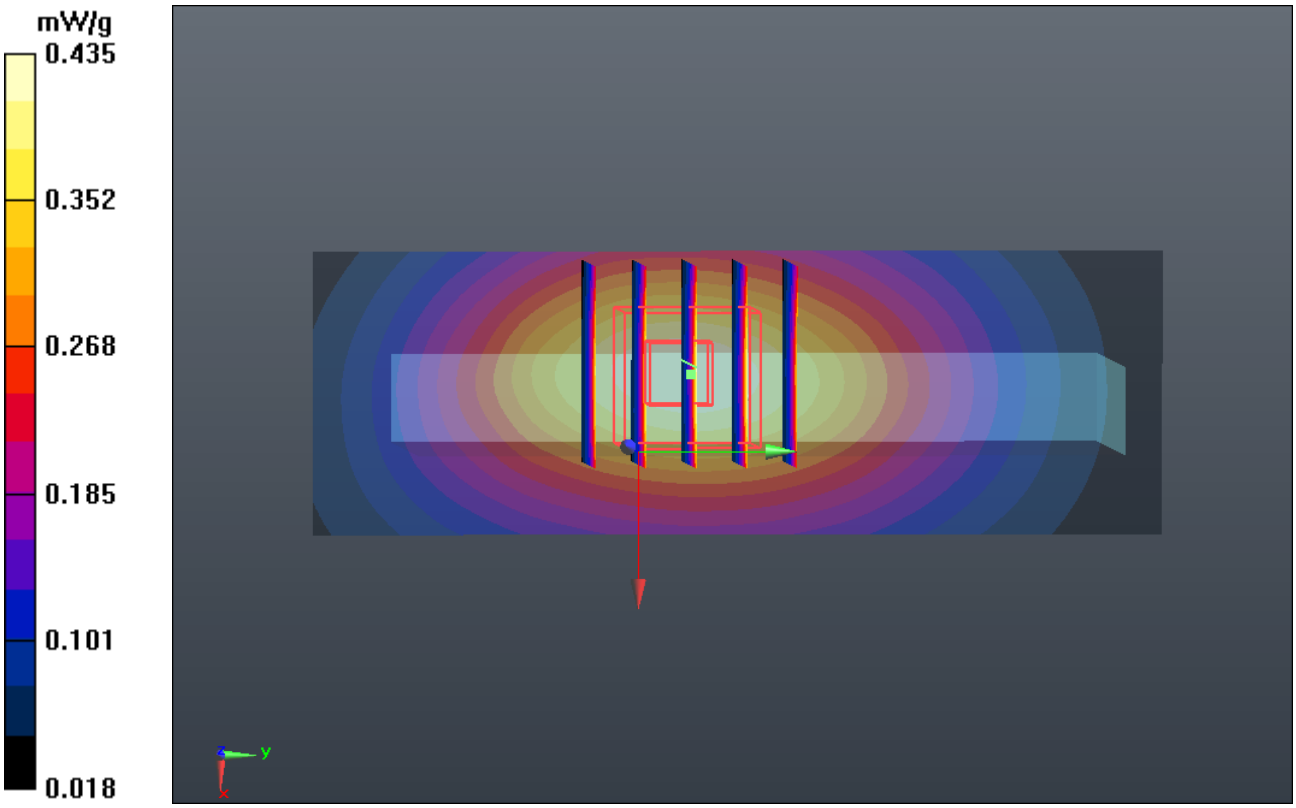
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.435 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.655 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.577 W/kg
**SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.275 mW/g**
Maximum value of SAR (measured) = 0.431 mW/g


mW/g
0.435
0.352
0.268
0.185
0.101
0.018
y

**#19 GSM850_GPRS8_Bottom Side_1cm_Ch251**

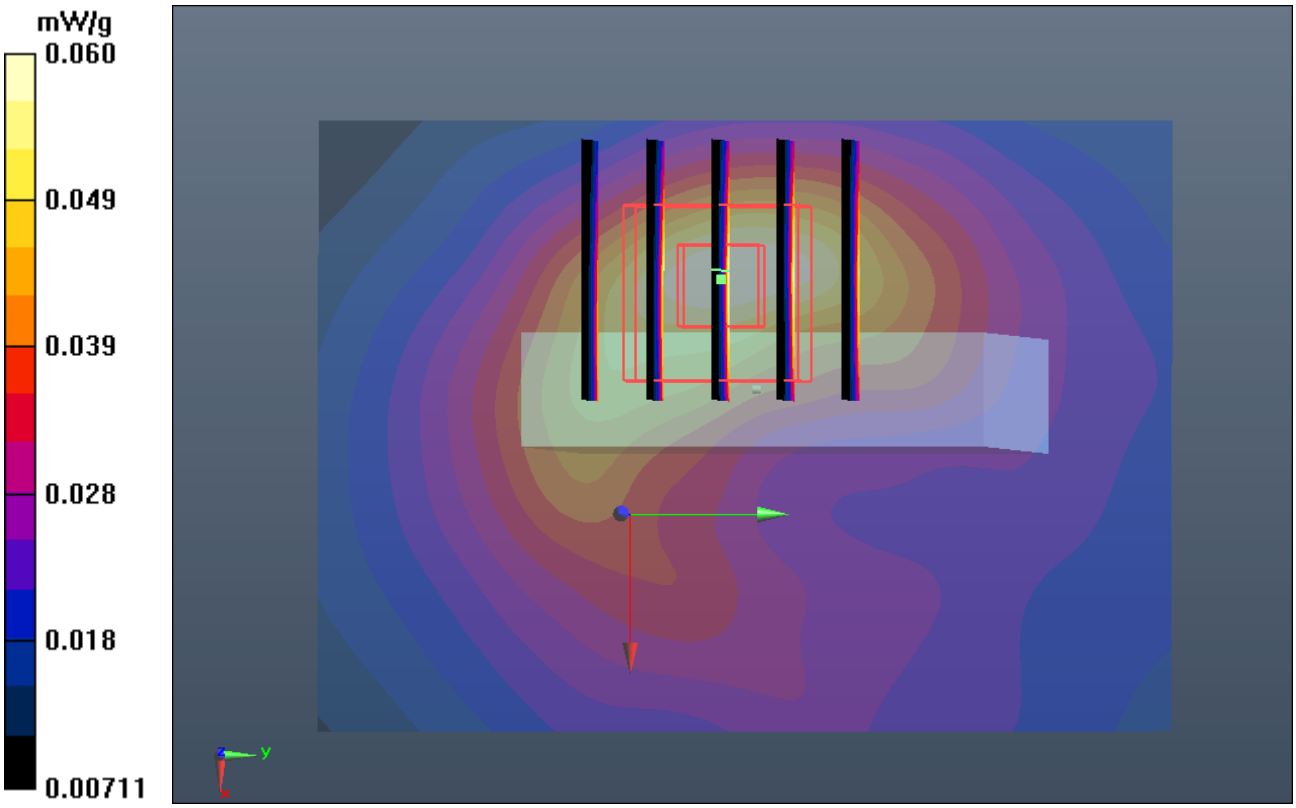
**DUT: 1D1601**

Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.060 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.255 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.098 W/kg
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.035 mW/g**
Maximum value of SAR (measured) = 0.064 mW/g


mW/g
0.060
0.049
0.039
0.028
0.018
0.00711
y

**#20 GSM850_GPRS8_Back_1cm_Ch128**

**DUT: 1D1601**

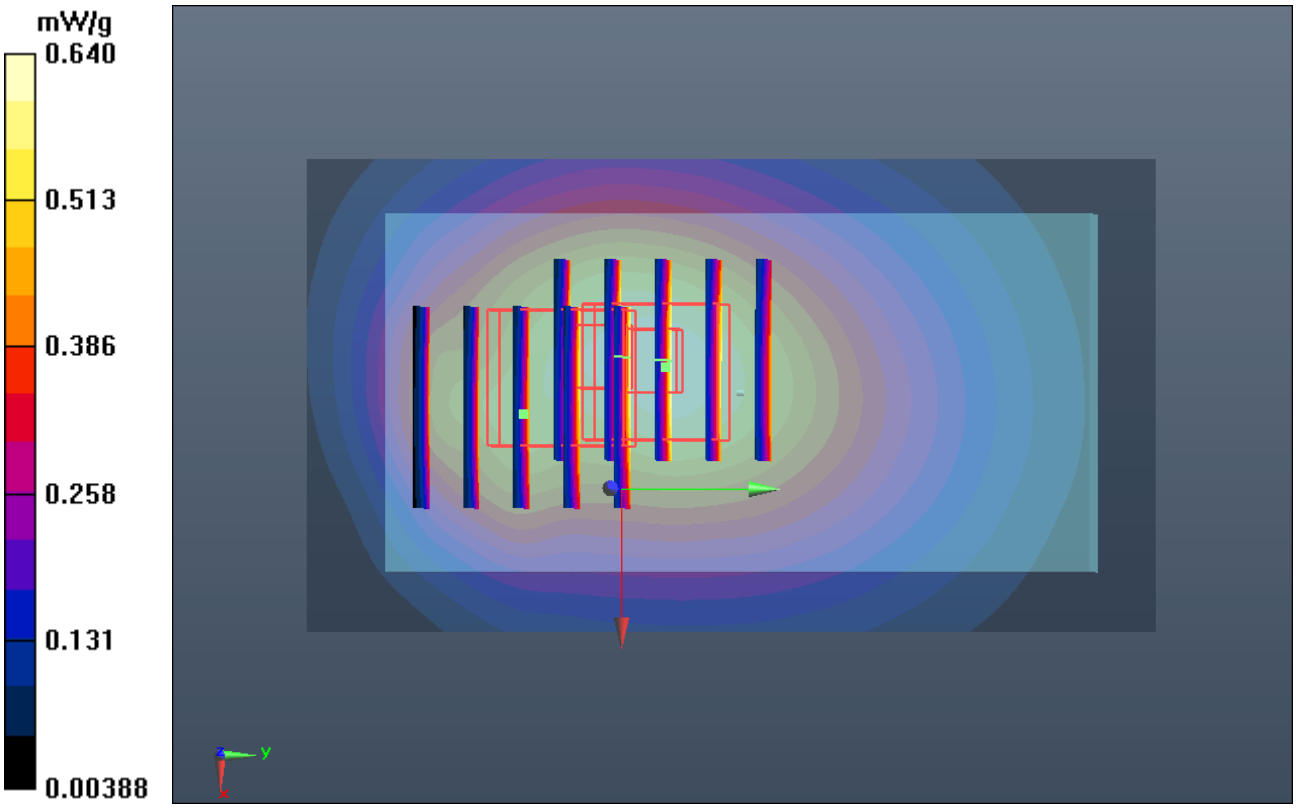
Communication System: General GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 824.2 MHz; $\sigma$ = 0.964 mho/m; $\varepsilon_r$ = 54.349; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch128/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.640 mW/g

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.258 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.842 W/kg
**SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.435 mW/g**
Maximum value of SAR (measured) = 0.644 mW/g

**Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.258 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.835 W/kg
**SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.383 mW/g**


mW/g
0.640
0.513
0.386
0.258
0.131
0.00388
y

**#21 GSM850_GPRS8_Back_1cm_Ch189**

**DUT: 1D1601**

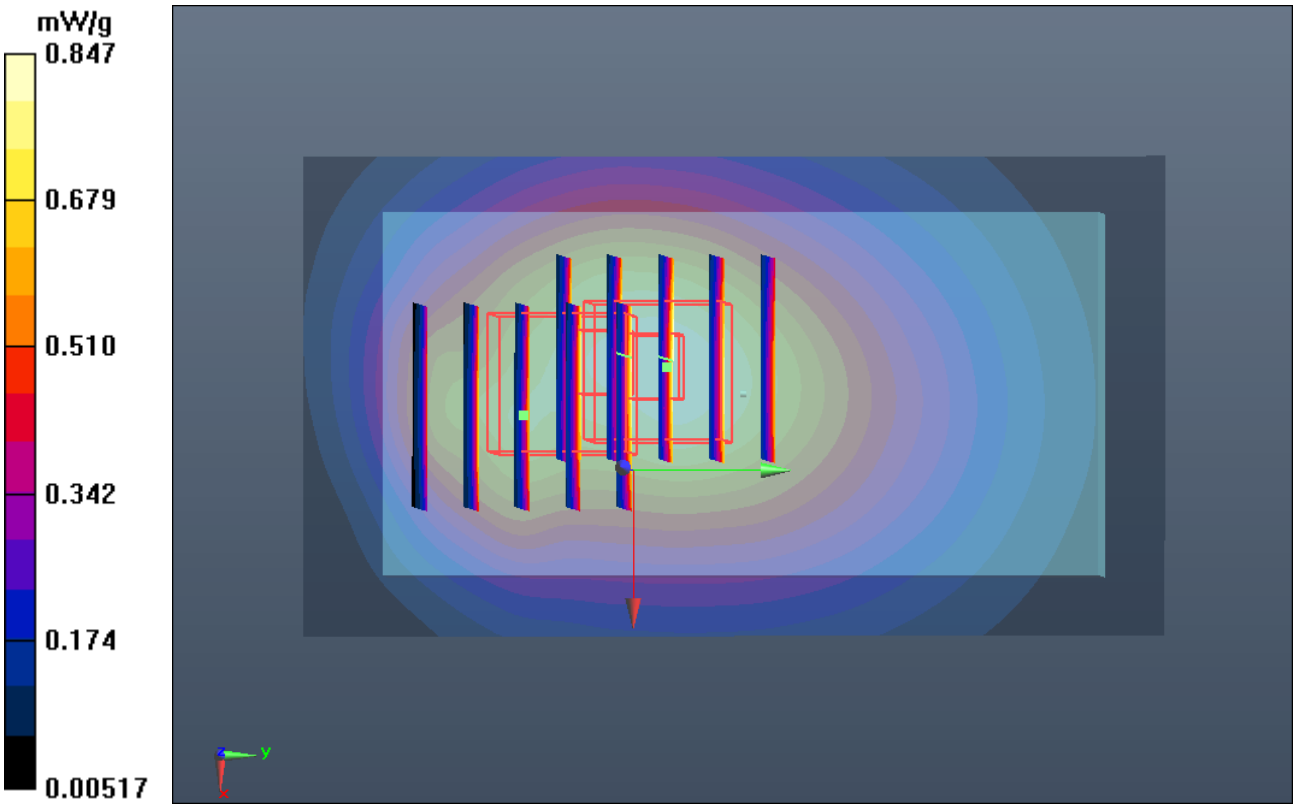
Communication System: General GSM; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.975 mho/m; $\varepsilon_r$ = 54.256; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch189/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.847 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.917 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.121 W/kg
**SAR(1 g) = 0.815 mW/g; SAR(10 g) = 0.579 mW/g**
Maximum value of SAR (measured) = 0.857 mW/g

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.917 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.100 W/kg
**SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.505 mW/g**
Maximum value of SAR (measured) = 0.852 mW/g


mW/g
0.847
0.679
0.510
0.342
0.174
0.00517

**#22 GSM850_GPRS8_Back_1cm_Ch251_Earphone**

**DUT: 1D1601**

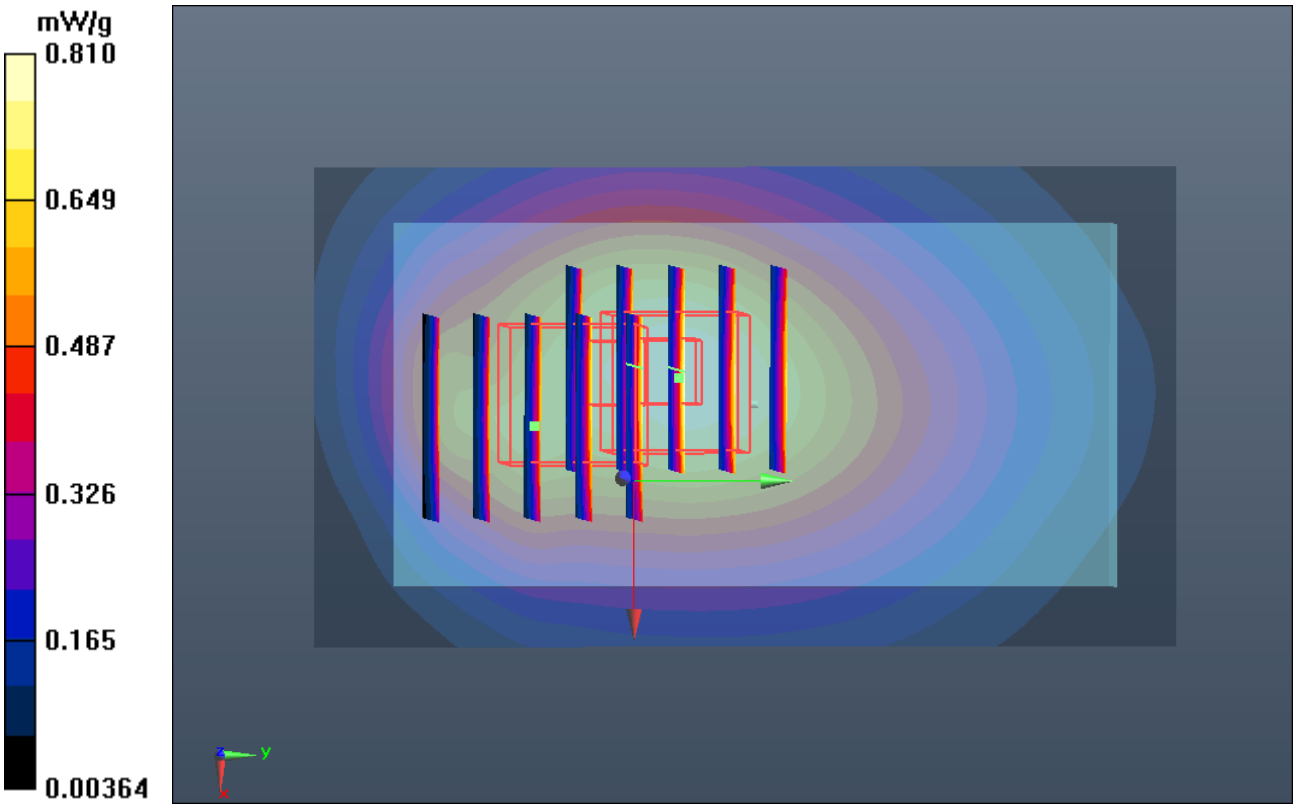
Communication System: General GSM; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: MSL_835_120112 Medium parameters used: f = 849 MHz; $\sigma$ = 0.987 mho/m; $\varepsilon_r$ = 54.144; $\rho$ = 1000 kg/m$^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.810 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.114 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.064 W/kg
**SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.554 mW/g**
Maximum value of SAR (measured) = 0.824 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.114 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.071 W/kg
**SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.479 mW/g**
Maximum value of SAR (measured) = 0.822 mW/g


mW/g
0.810
0.649
0.487
0.326
0.165
0.00364
y

**#31 GSM1900_GPRS12_Front_1cm_Ch810**

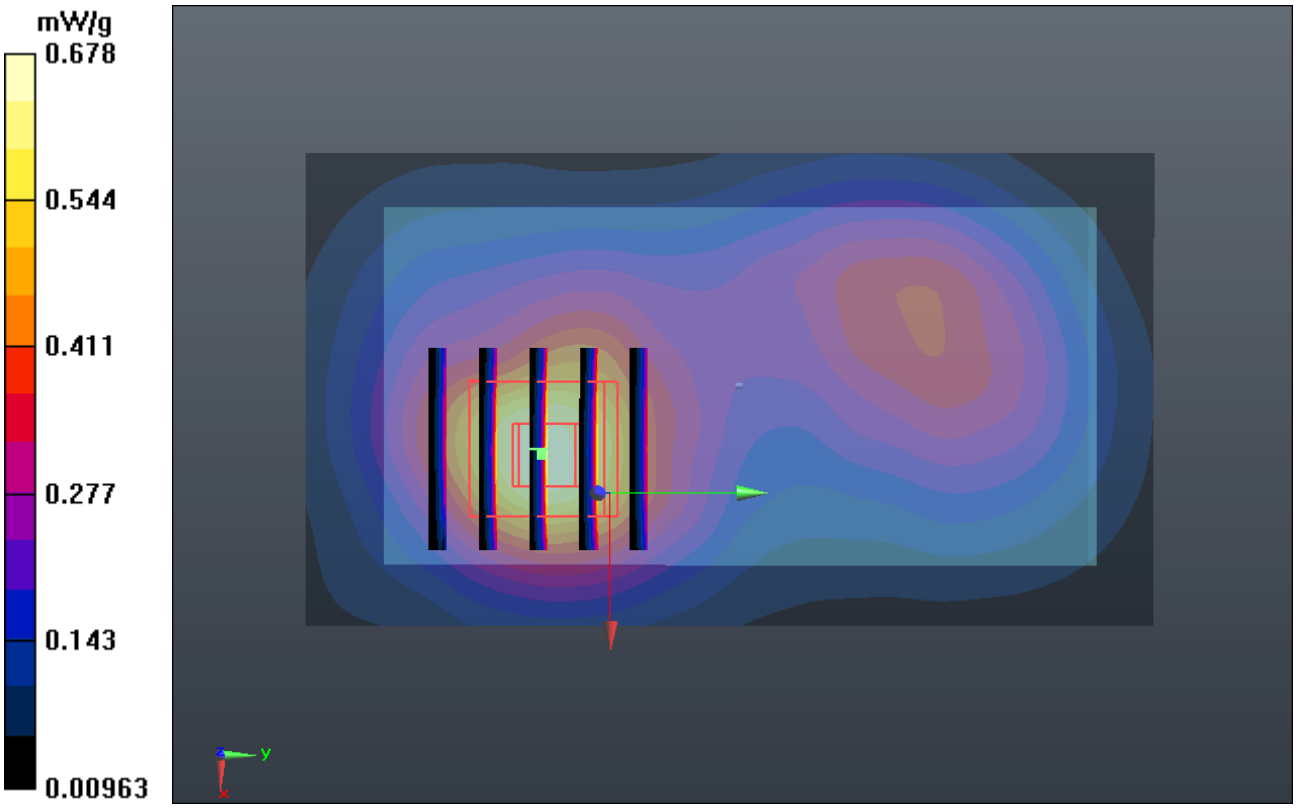
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.678 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.627 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.968 W/kg
**SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.347 mW/g**
Maximum value of SAR (measured) = 0.661 mW/g


mW/g
0.678
0.544
0.411
0.277
0.143
0.00963
y

**#32 GSM1900_GPRS12_Back_1cm_Ch810**

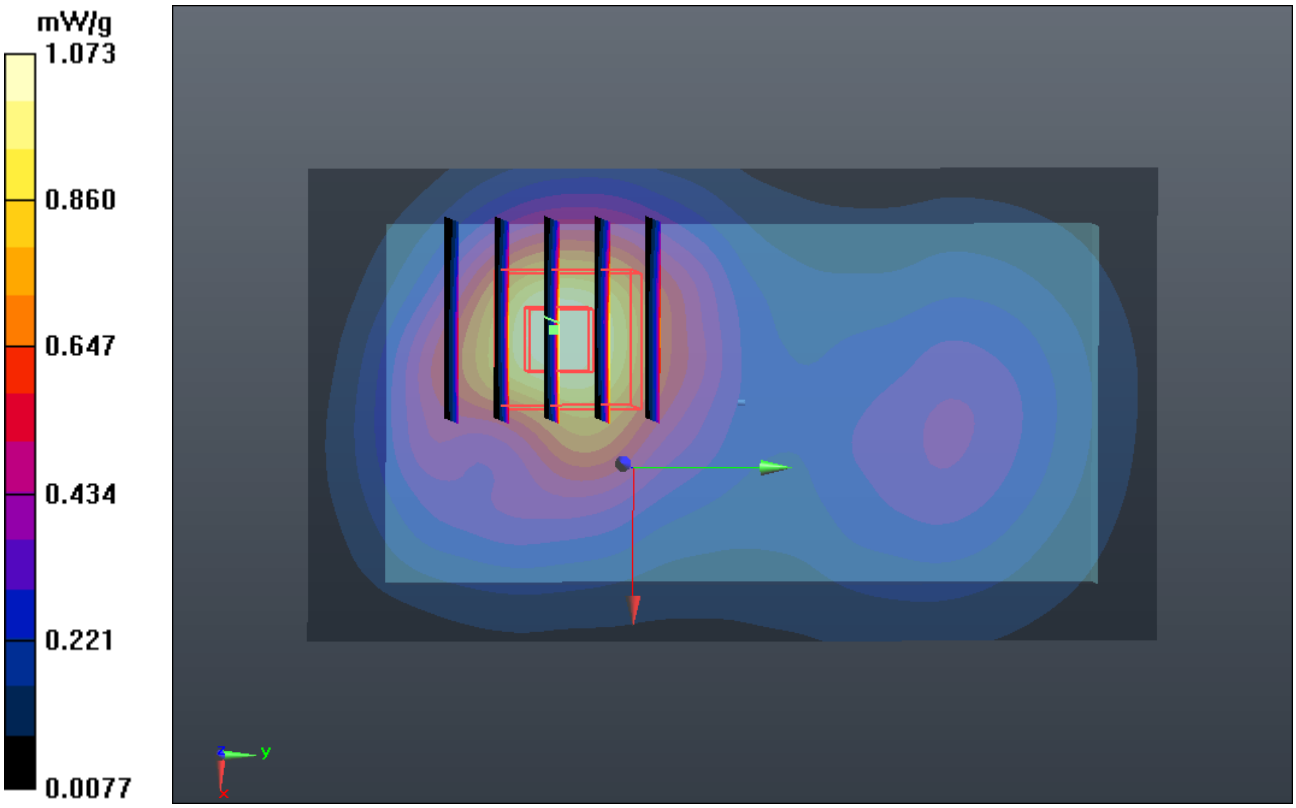
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.073 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.010 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.734 W/kg
**SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.561 mW/g**
Maximum value of SAR (measured) = 1.072 mW/g


mW/g
1.073
0.860
0.647
0.434
0.221
0.0077
y

**#32 GSM1900_GPRS12_Back_1cm_Ch810_2D**

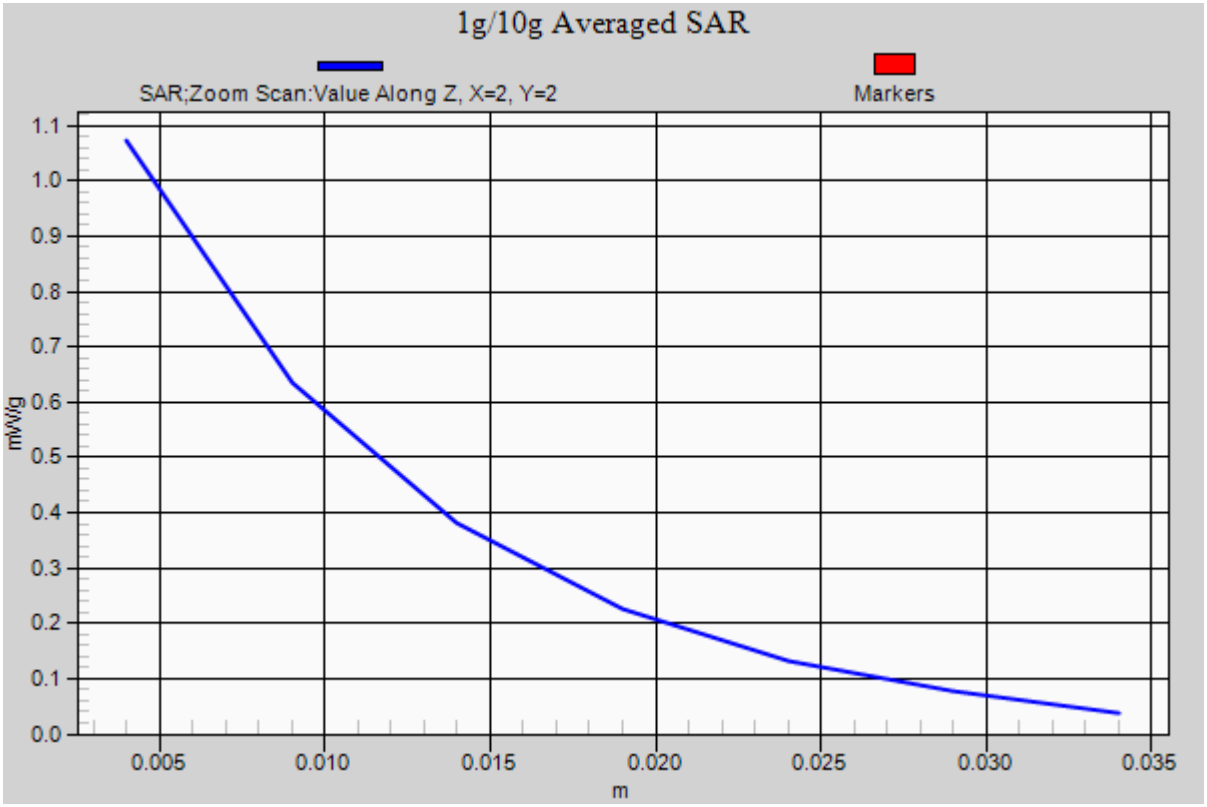
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.073 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.010 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.734 W/kg
**SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.561 mW/g**
Maximum value of SAR (measured) = 1.072 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#33 GSM1900_GPRS12_Left Side_1cm_Ch810**

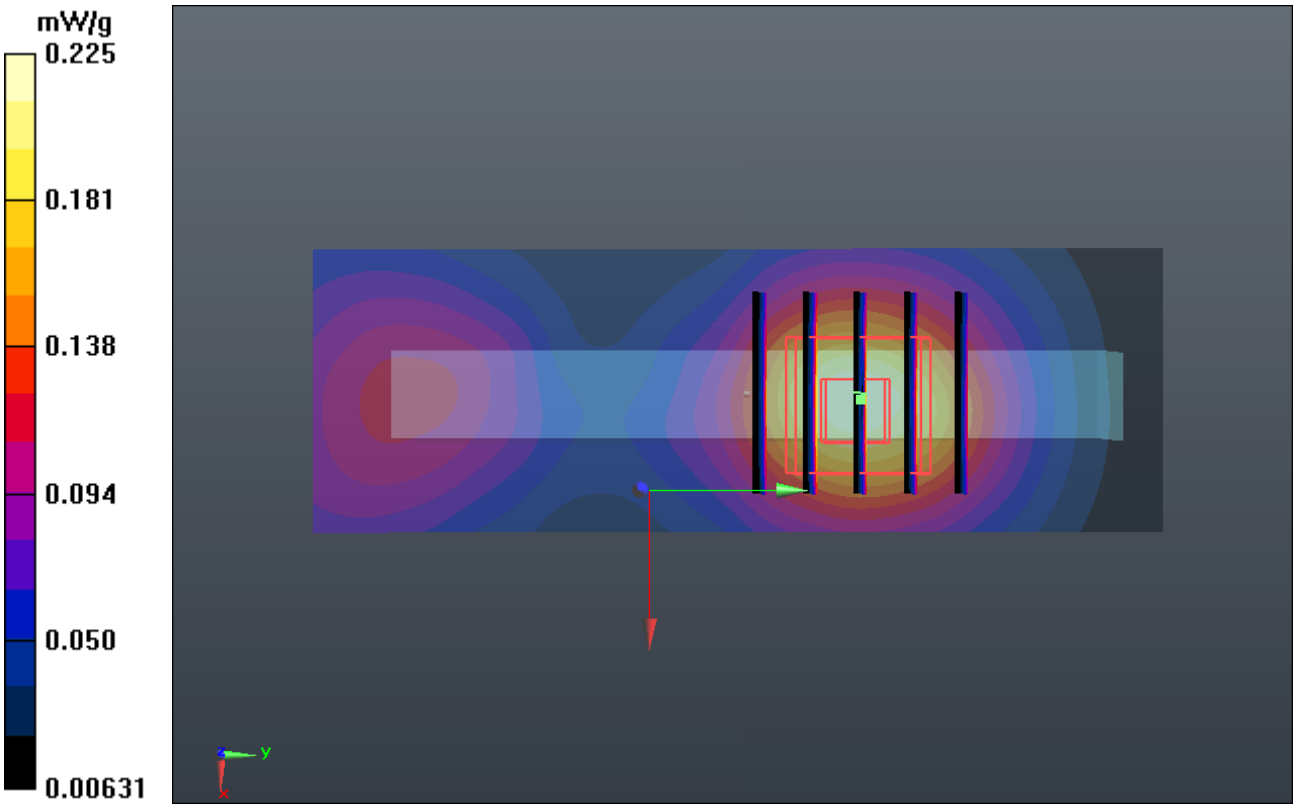
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.225 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.201 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.266 W/kg
**SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.106 mW/g**
Maximum value of SAR (measured) = 0.213 mW/g


mW/g
0.225
0.181
0.138
0.094
0.050
0.00631
y

**#34 GSM1900_GPRS12_Right Side_1cm_Ch810**

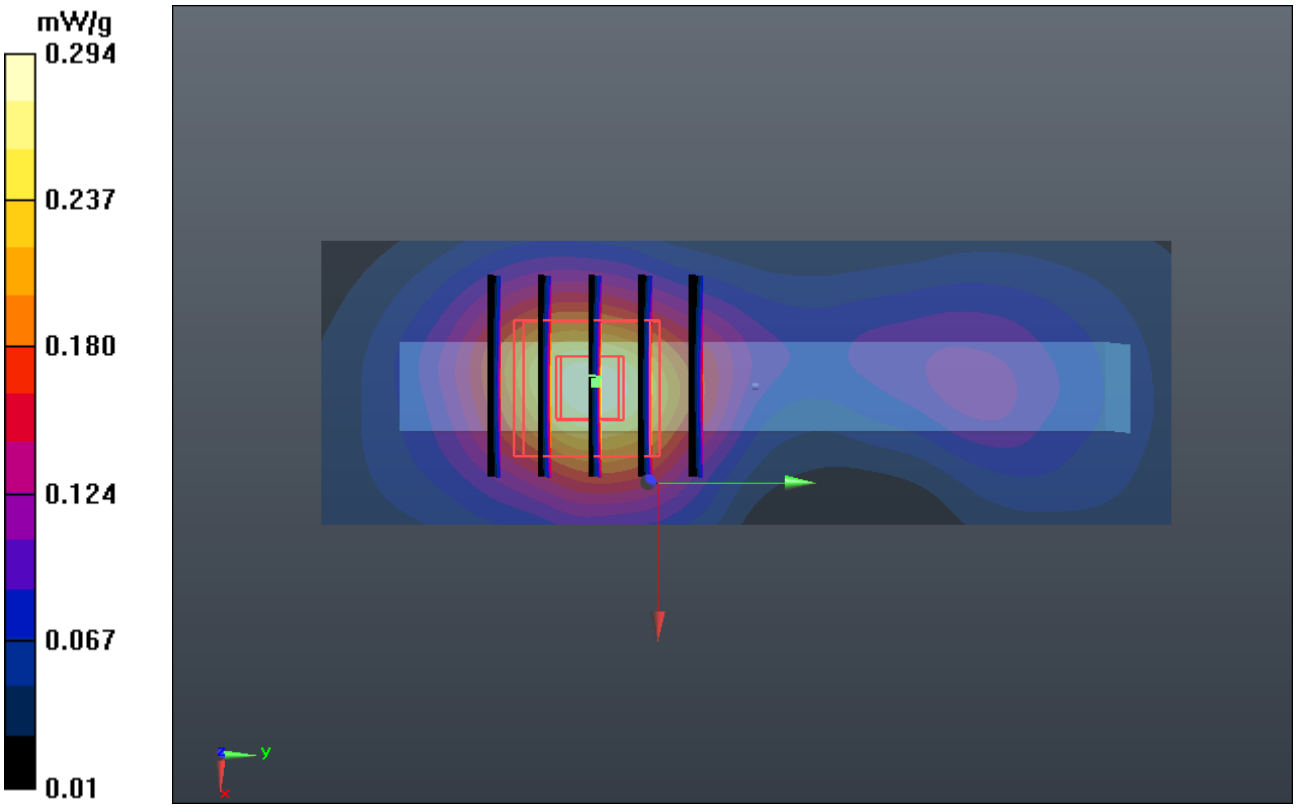
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.294 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.026 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.440 W/kg
**SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.144 mW/g**
Maximum value of SAR (measured) = 0.279 mW/g


mW/g
0.294
0.237
0.180
0.124
0.067
0.01
y

**#35 GSM1900_GPRS12_Bottom Side_1cm_Ch810**

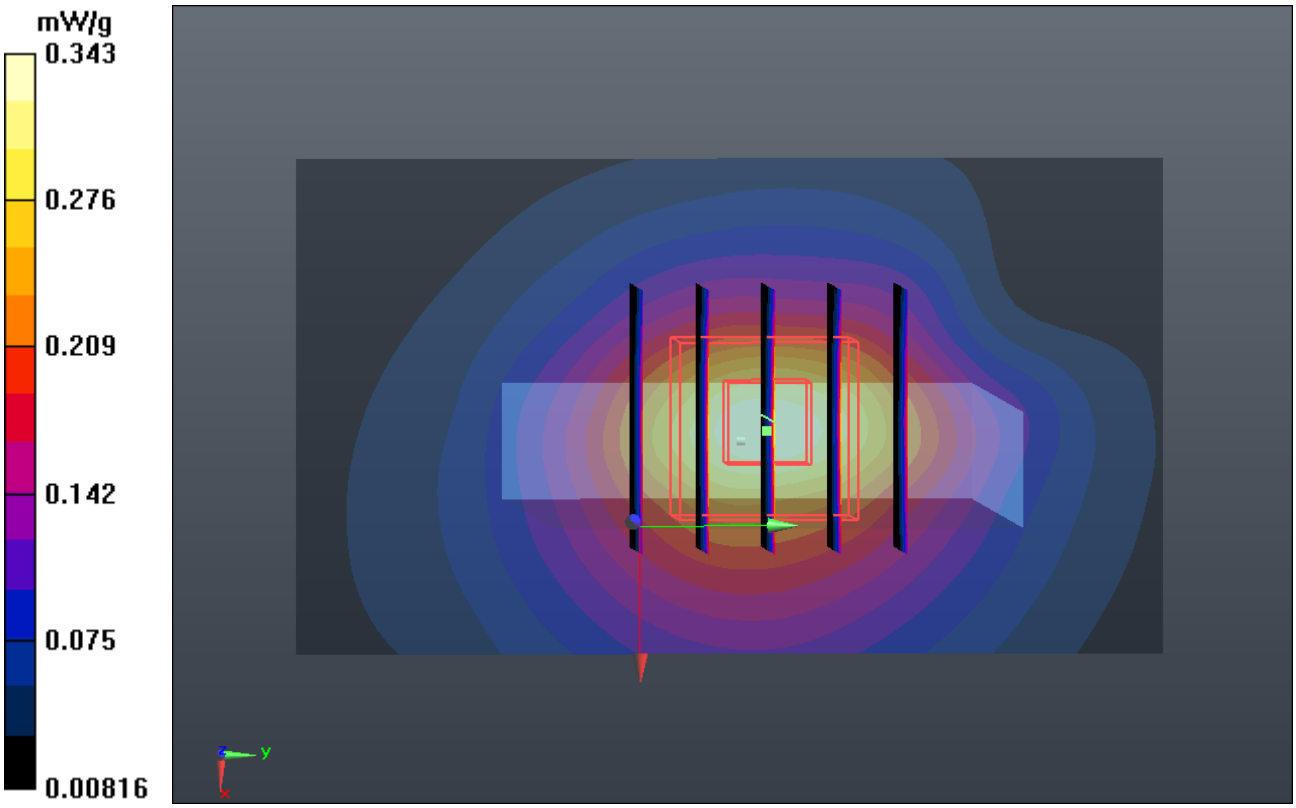
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (41x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.343 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.363 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.477 W/kg
**SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.168 mW/g**
Maximum value of SAR (measured) = 0.325 mW/g


mW/g
0.343
0.276
0.209
0.142
0.075
0.00816
z
y
x

**#36 GSM1900_GPRS12_Back_1cm_Ch512**

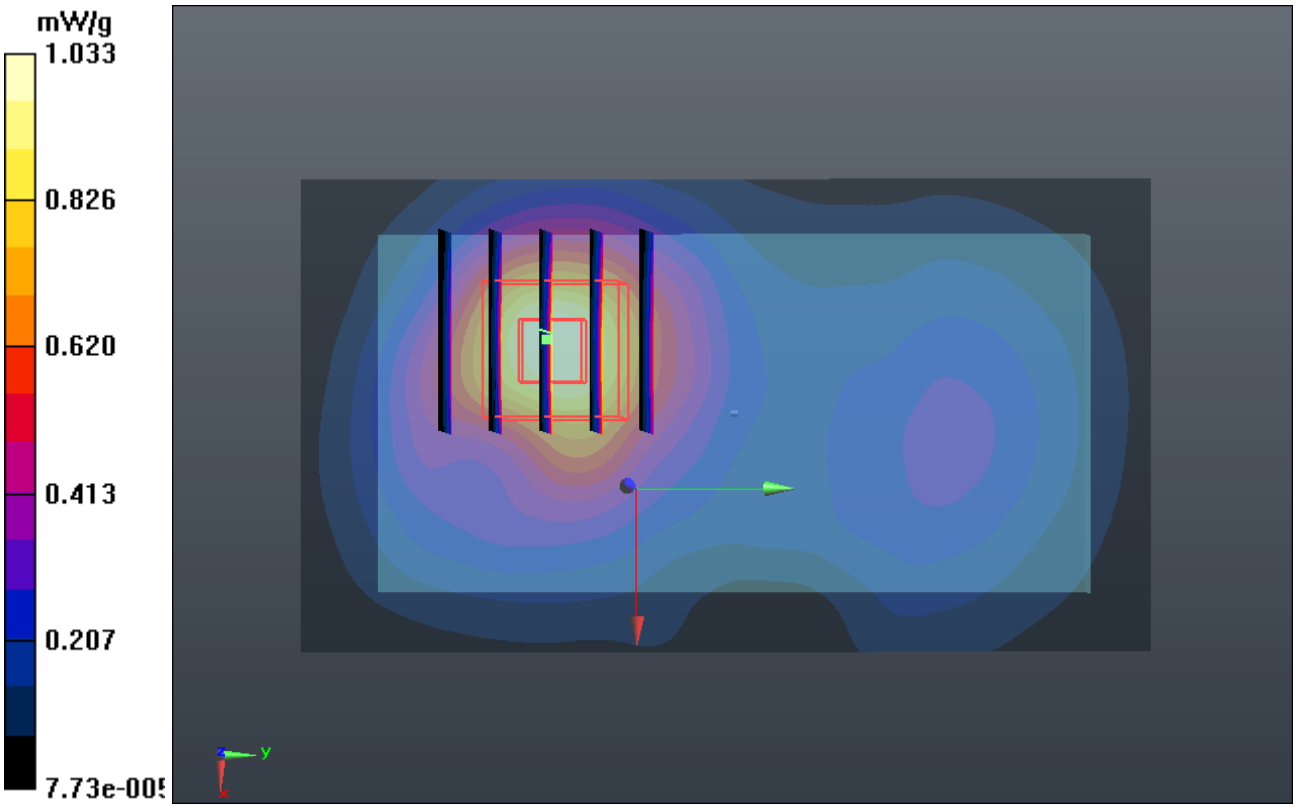
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1850.2 MHz; $\sigma$ = 1.47 mho/m; $\varepsilon_r$ = 54.773; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.033 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.342 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.624 W/kg
**SAR(1 g) = 0.954 mW/g; SAR(10 g) = 0.536 mW/g**
Maximum value of SAR (measured) = 1.029 mW/g


mW/g
1.033
0.826
0.620
0.413
0.207
7.73e-005
y

**#37 GSM1900_GPRS12_Back_1cm_Ch661**

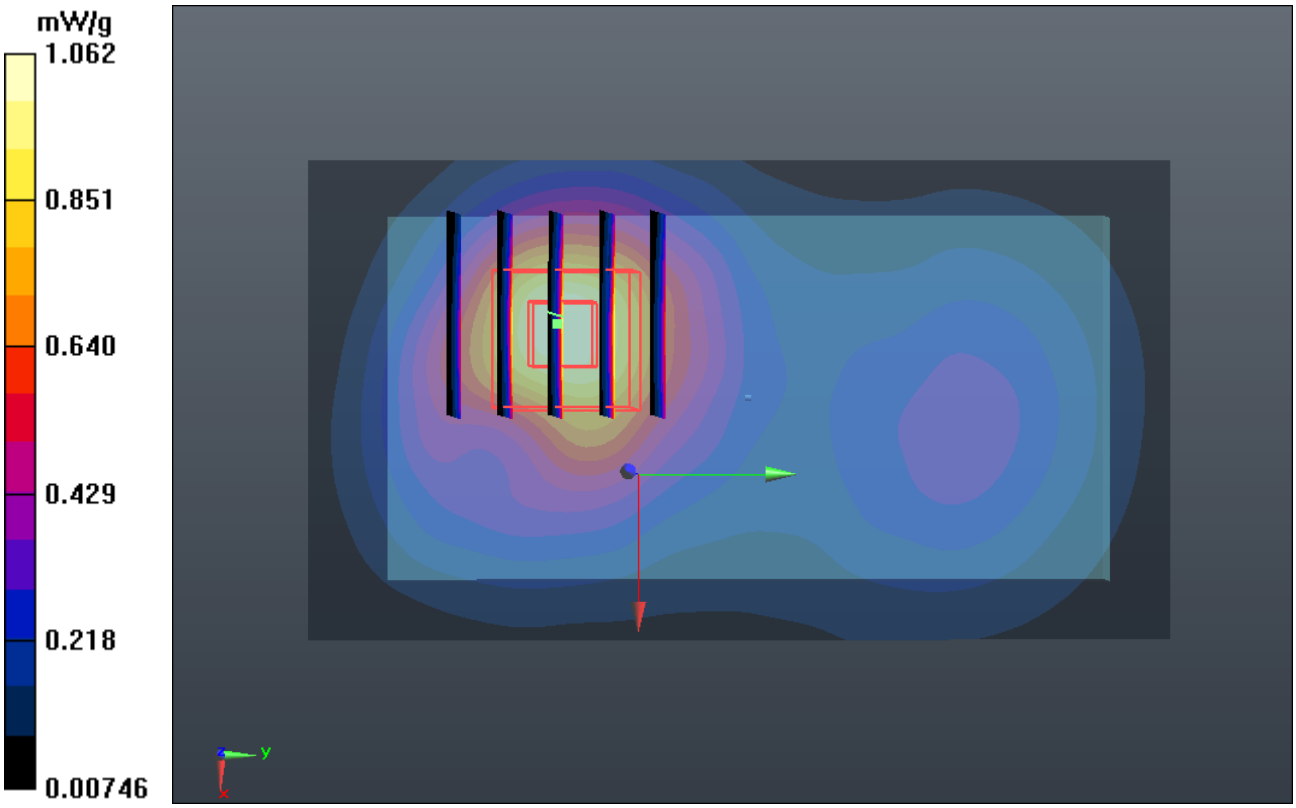
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1880 MHz; $\sigma$ = 1.509 mho/m; $\varepsilon_r$ = 54.703; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch661/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.062 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.536 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.679 W/kg
**SAR(1 g) = 0.985 mW/g; SAR(10 g) = 0.550 mW/g**
Maximum value of SAR (measured) = 1.064 mW/g


mW/g
1.062
0.851
0.640
0.429
0.218
0.00746
y

**#38 GSM1900_GPRS12_Back_1cm_Ch810_Earphone**

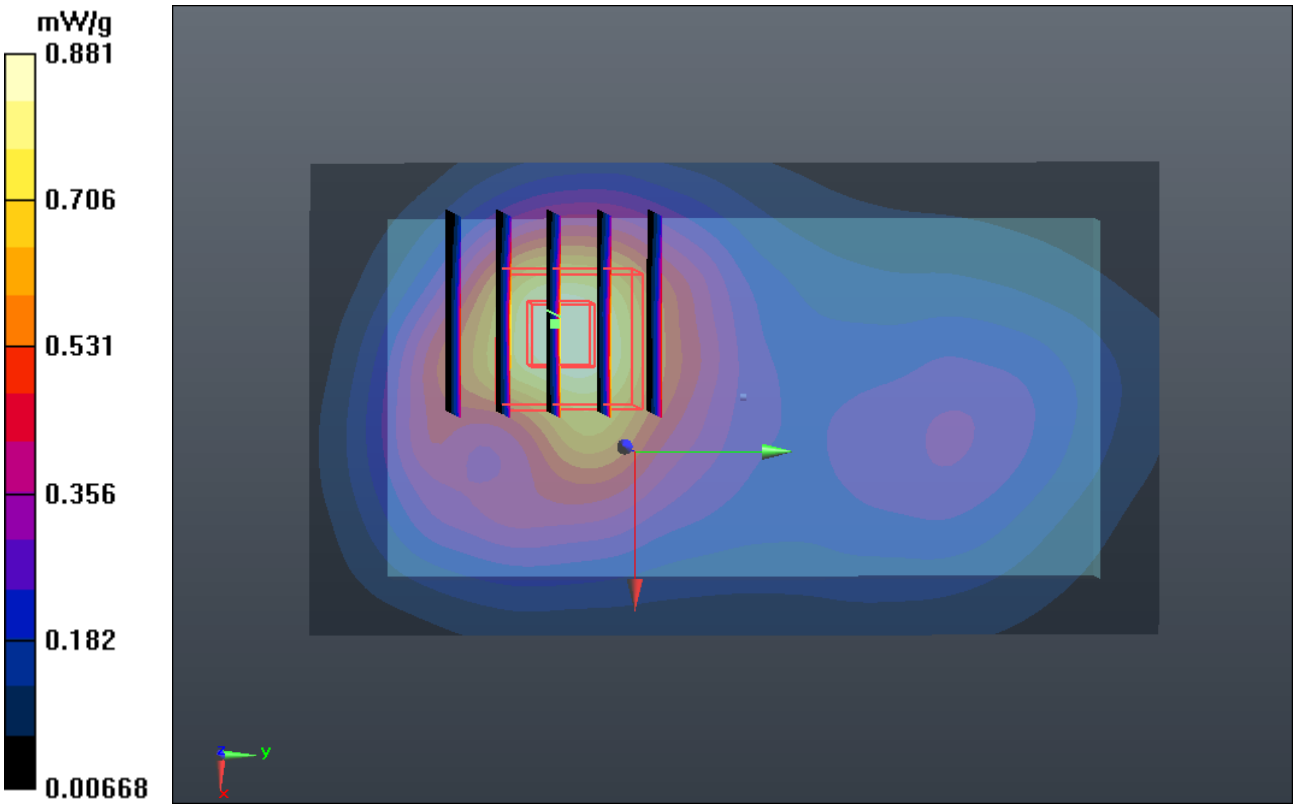
**DUT: 1D1601**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz;Duty Cycle: 1:2
Medium: MSL_1900_120112 Medium parameters used: f = 1910 MHz; $\sigma$ = 1.54 mho/m; $\varepsilon_r$ = 54.651; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.881 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.897 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.388 W/kg
**SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.458 mW/g**
Maximum value of SAR (measured) = 0.872 mW/g


mW/g
0.881
0.706
0.531
0.356
0.182
0.00668
y

**#23 WCDMAV_RMC 12.2K_Front_1cm_Ch4233**

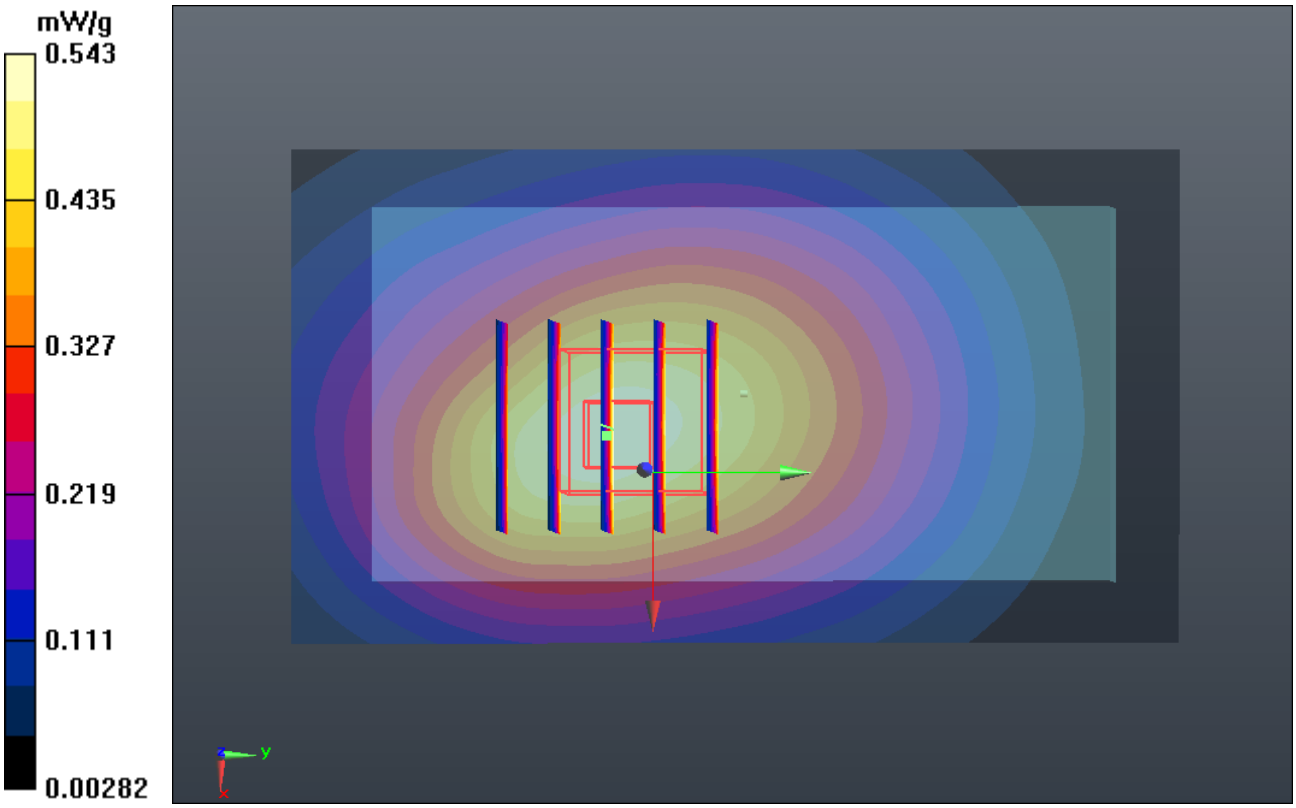
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.543 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.377 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.715 W/kg
**SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.380 mW/g**
Maximum value of SAR (measured) = 0.560 mW/g


mW/g
0.543
0.435
0.327
0.219
0.111
0.00282
y

**#24 WCDMAV_RMC 12.2K_Back_1cm_Ch4233**

**DUT: 1D1601**

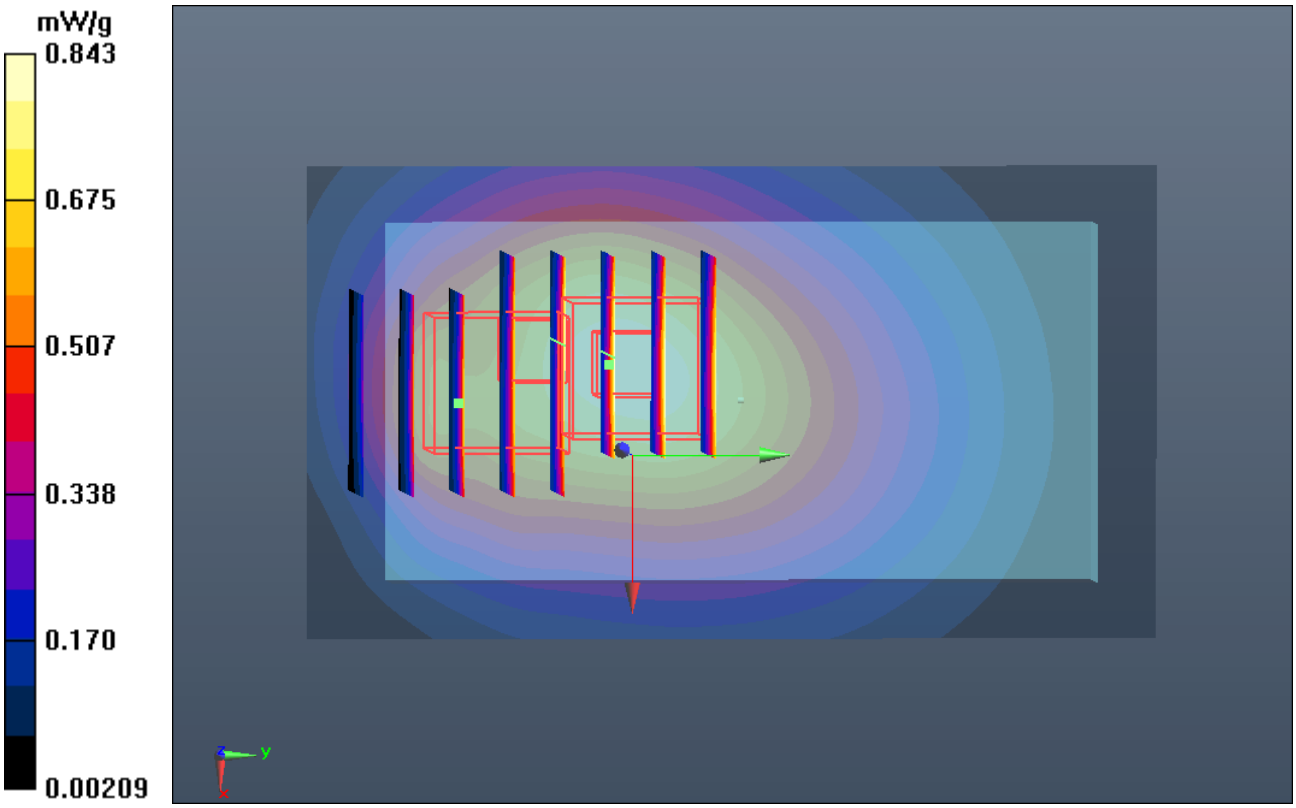
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.843 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.616 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.197 W/kg
**SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.612 mW/g**
Maximum value of SAR (measured) = 0.932 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.616 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.101 W/kg
**SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.471 mW/g**
Maximum value of SAR (measured) = 0.833 mW/g


mW/g
0.843
0.675
0.507
0.338
0.170
0.00209

**#24 WCDMAV_RMC 12.2K_Back_1cm_Ch4233_2D**

**DUT: 1D1601**

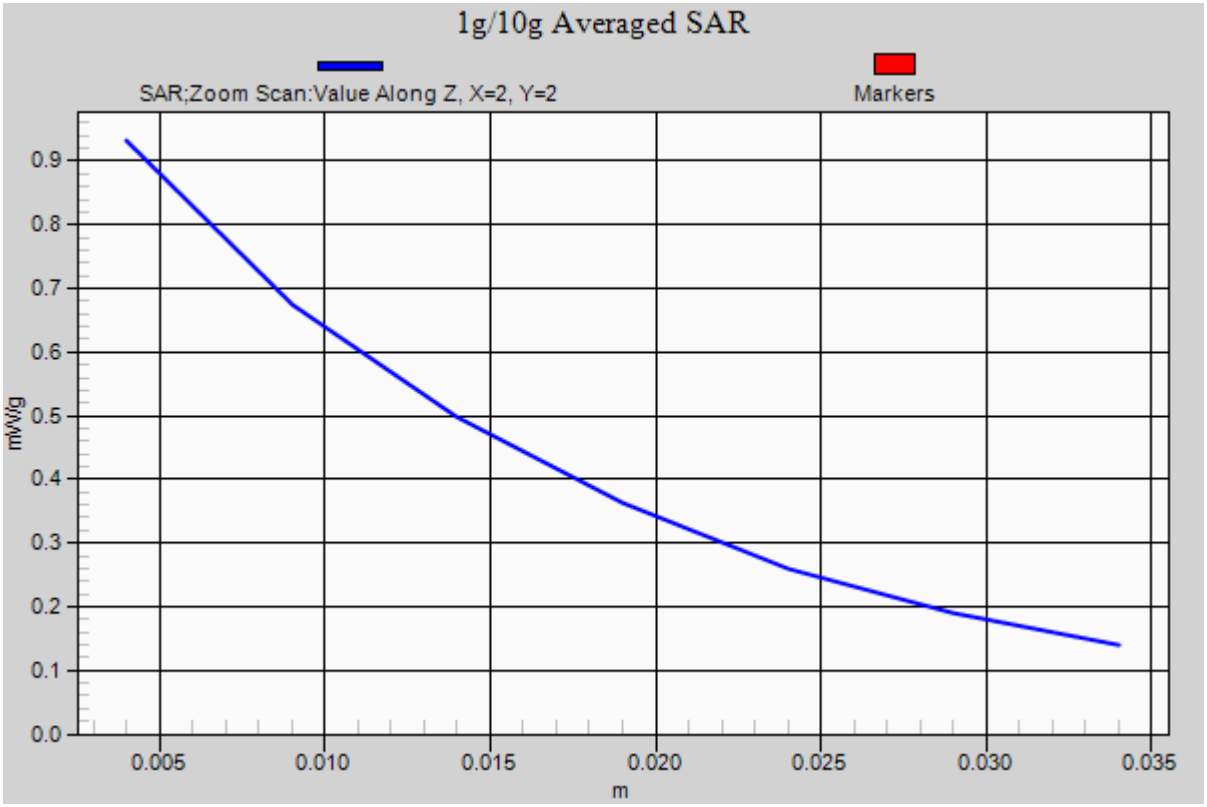
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.843 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.616 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.197 W/kg
**SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.612 mW/g**
Maximum value of SAR (measured) = 0.932 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.616 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.101 W/kg
**SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.471 mW/g**
Maximum value of SAR (measured) = 0.833 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

**#25 WCDMAV_RMC 12.2K_Left Side_1cm_Ch4233**

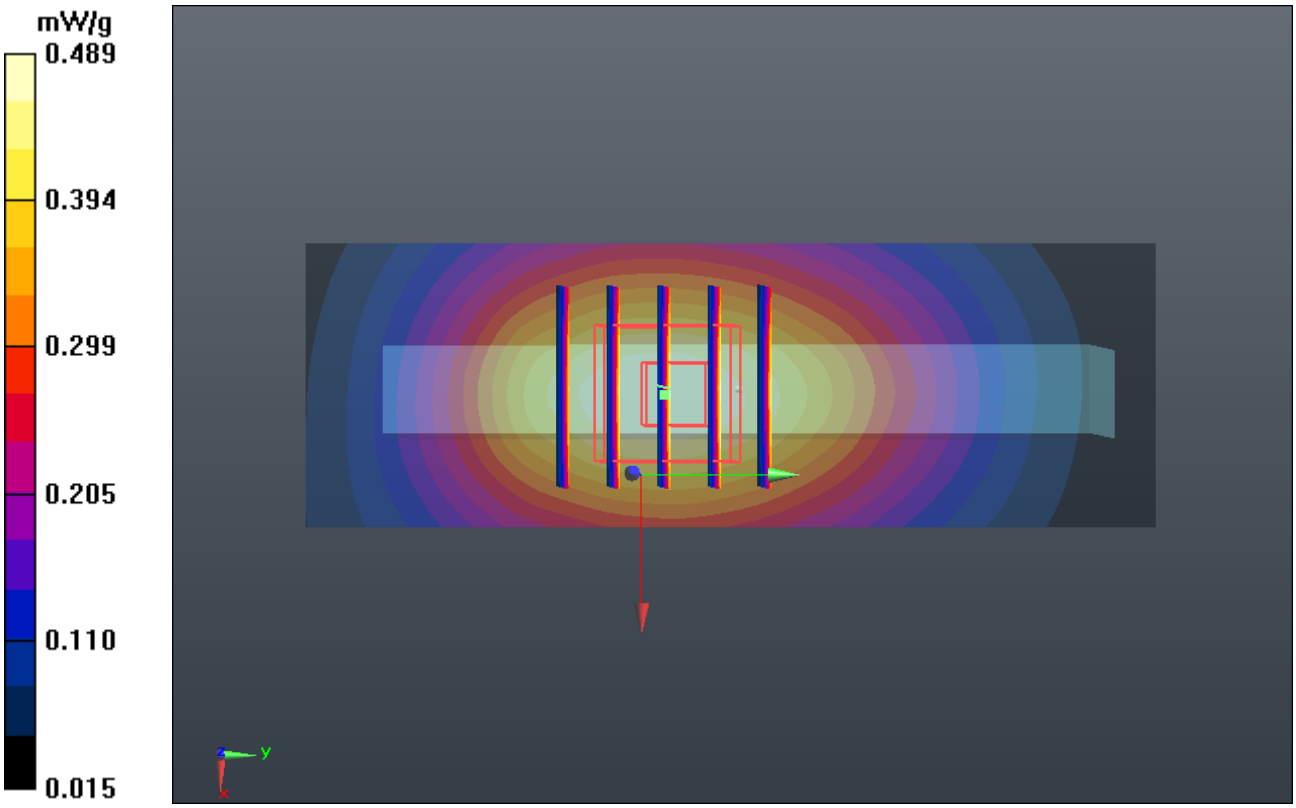
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.489 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.043 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.658 W/kg
**SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.332 mW/g**
Maximum value of SAR (measured) = 0.502 mW/g


mW/g
0.489
0.394
0.299
0.205
0.110
0.015
y

**#26 WCDMAV_RMC 12.2K_Right Side_1cm_Ch4233**

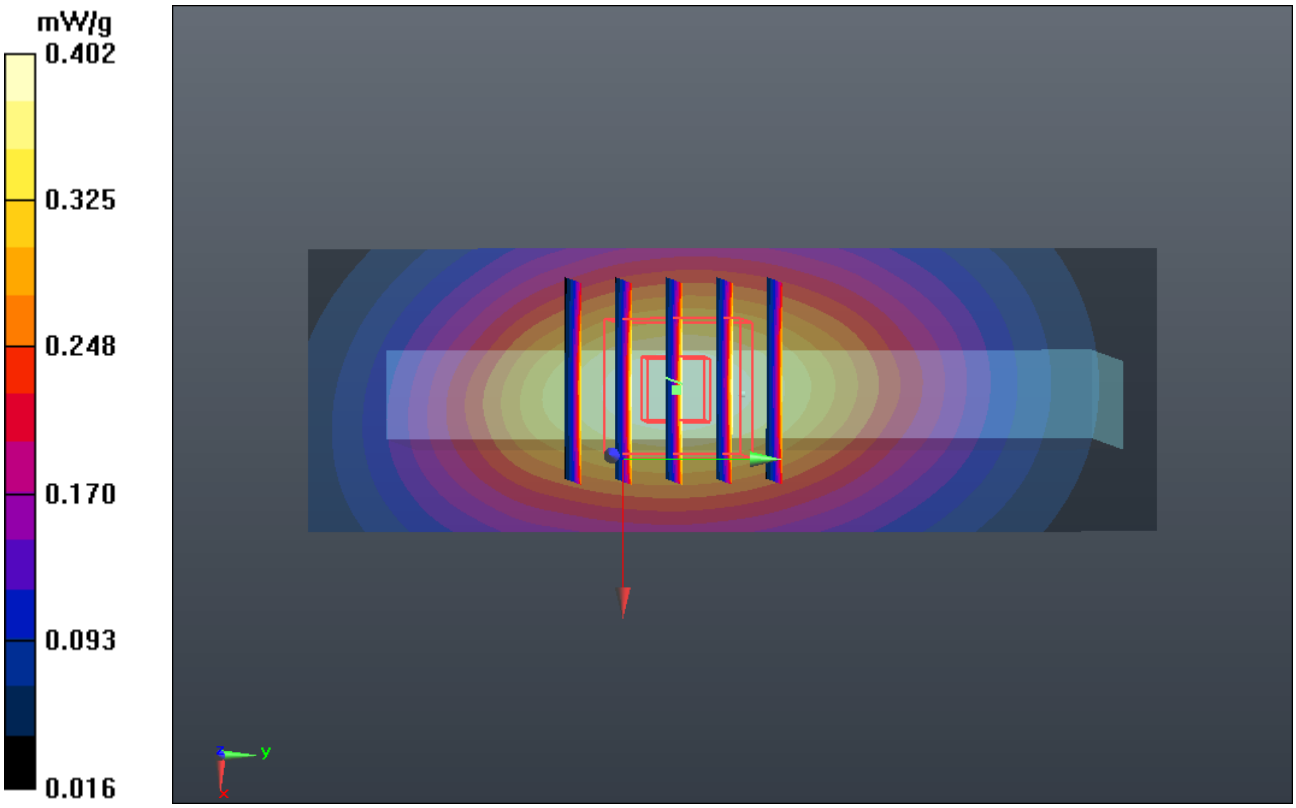
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (31x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.402 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.764 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.564 W/kg
**SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.270 mW/g**
Maximum value of SAR (measured) = 0.425 mW/g


mW/g
0.402
0.325
0.248
0.170
0.093
0.016
y

**#27 WCDMAV_RMC 12.2K_Bottom Side_1cm_Ch4233**

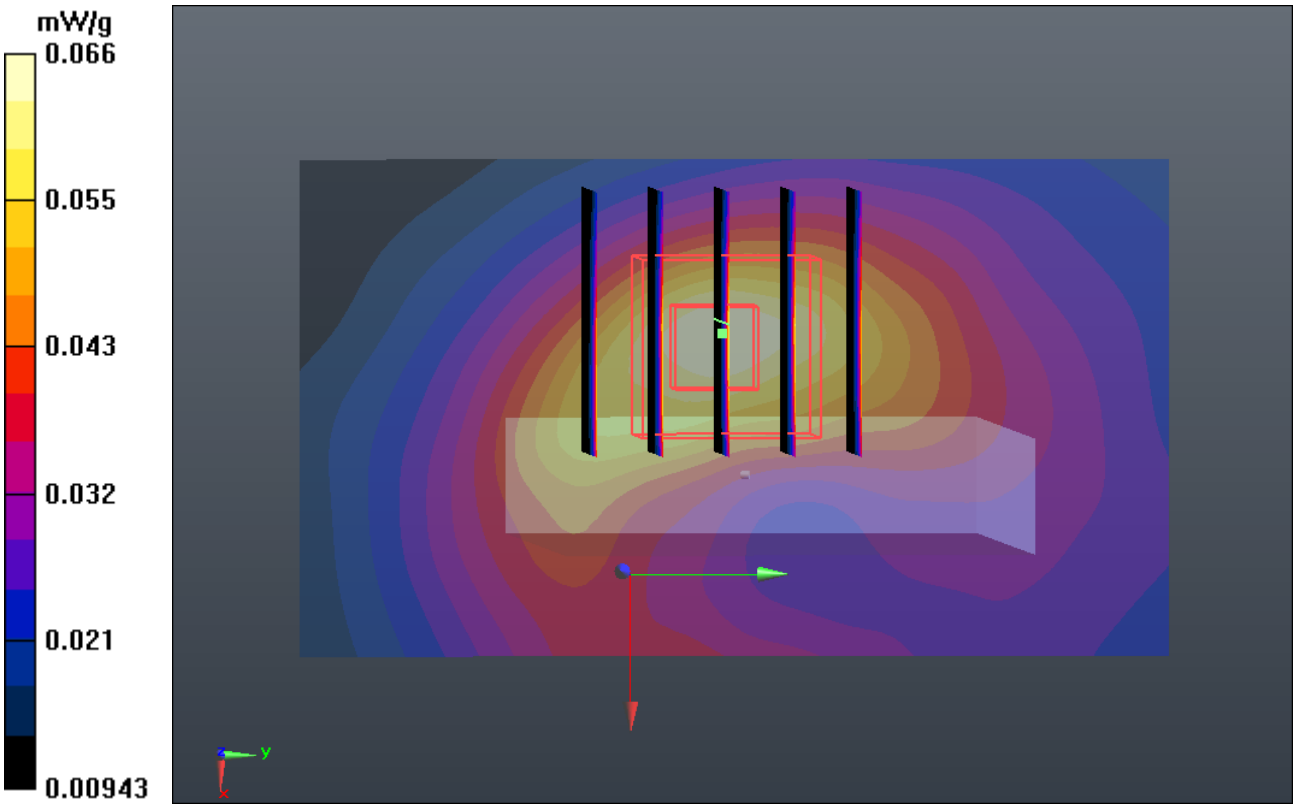
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x71x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.066 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.961 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.101 W/kg
**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.038 mW/g**
Maximum value of SAR (measured) = 0.067 mW/g


mW/g
0.066
0.055
0.043
0.032
0.021
0.00943
y

**#28 WCDMAV_RMC 12.2K_Back_1cm_Ch4132**

**DUT: 1D1601**

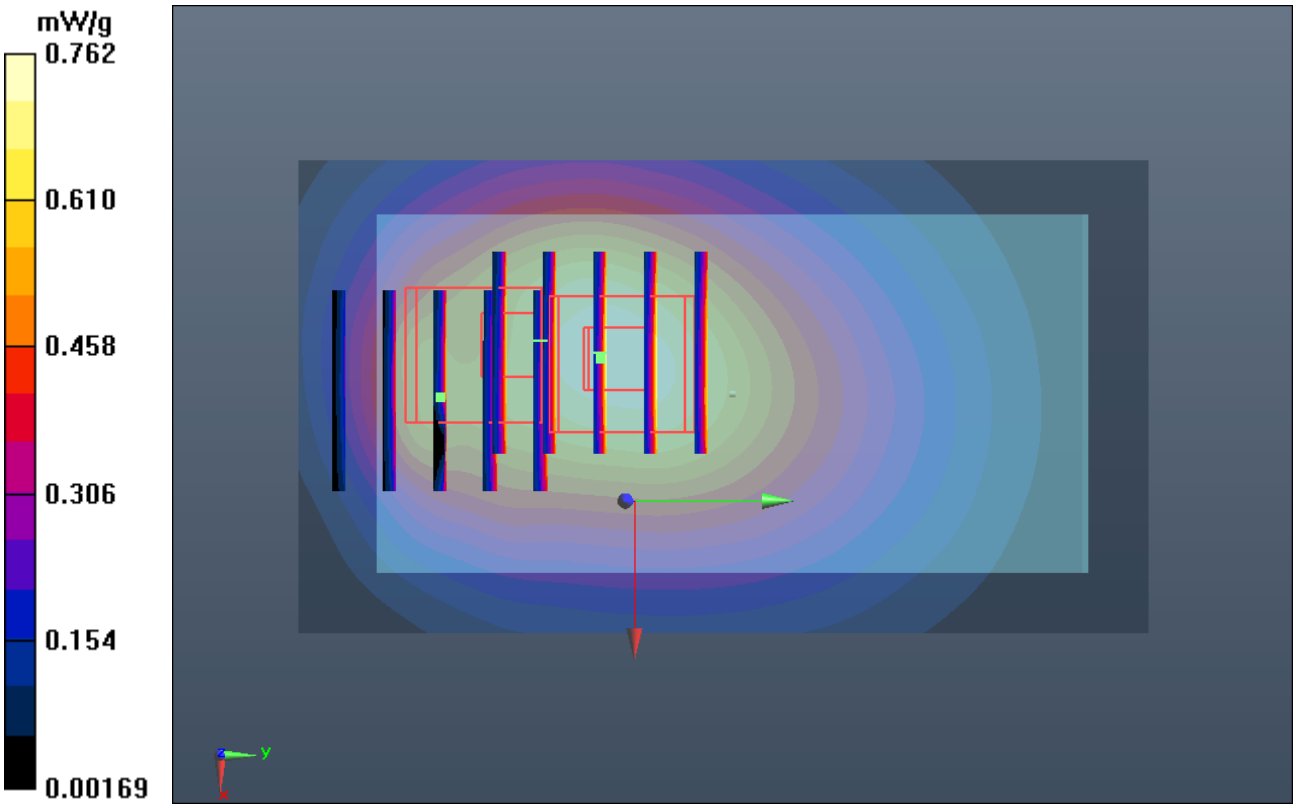
Communication System: UMTS; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 826.4 MHz; $\sigma$ = 0.966 mho/m; $\varepsilon_r$ = 54.331; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.762 mW/g

**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.278 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.010 W/kg
**SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.518 mW/g**
Maximum value of SAR (measured) = 0.793 mW/g

**Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.278 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.260 W/kg
**SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.392 mW/g**
Maximum value of SAR (measured) = 0.701 mW/g


mW/g
0.762
0.610
0.458
0.306
0.154
0.00169
y

**#29 WCDMAV_RMC 12.2K_Back_1cm_Ch4182**

**DUT: 1D1601**

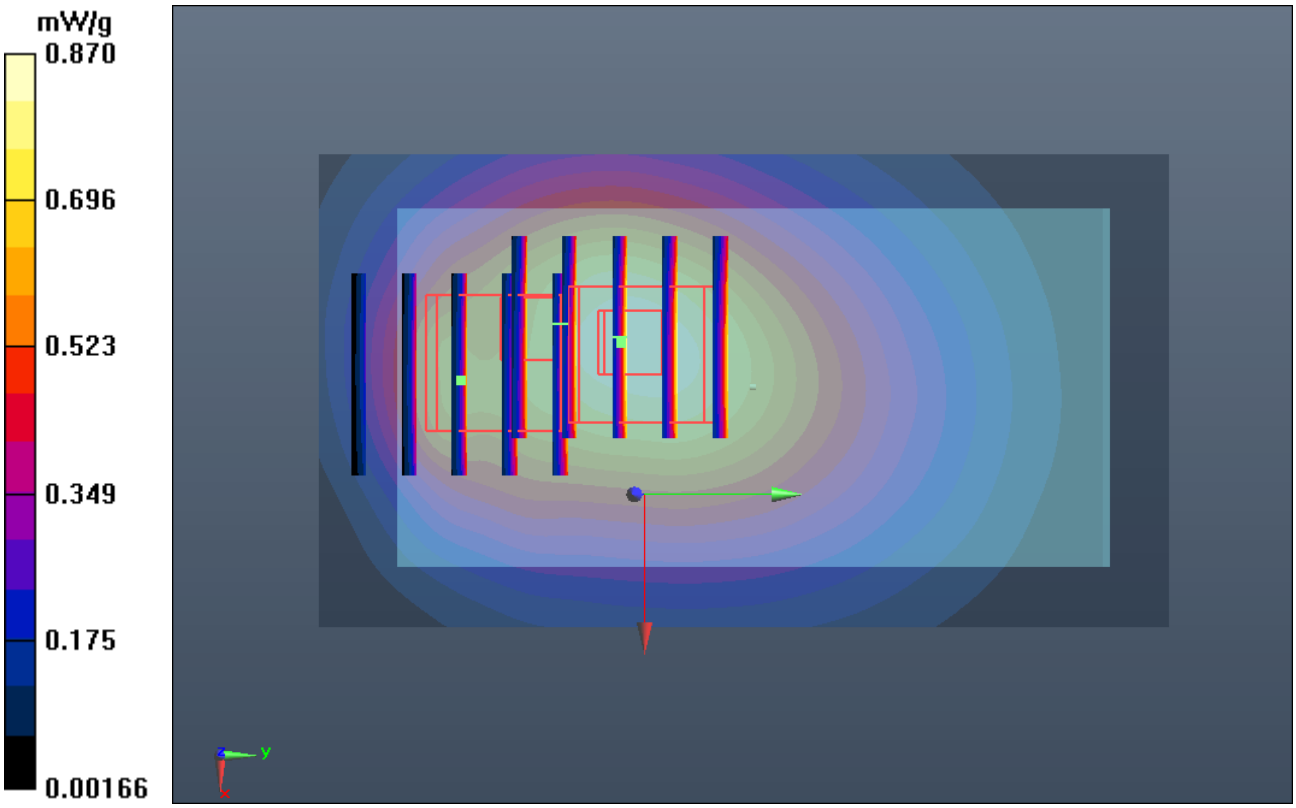
Communication System: UMTS; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 836.4 MHz; $\sigma$ = 0.975 mho/m; $\varepsilon_r$ = 54.256; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃； Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4182/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.870 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.617 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.131 W/kg
**SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.581 mW/g**
Maximum value of SAR (measured) = 0.880 mW/g

**Ch4182/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.617 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.072 W/kg
**SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.451 mW/g**
Maximum value of SAR (measured) = 0.805 mW/g


mW/g
0.870
0.696
0.523
0.349
0.175
0.00166
y

**#30 WCDMAV_RMC 12.2K_Back_1cm_Ch4233_Earphone**

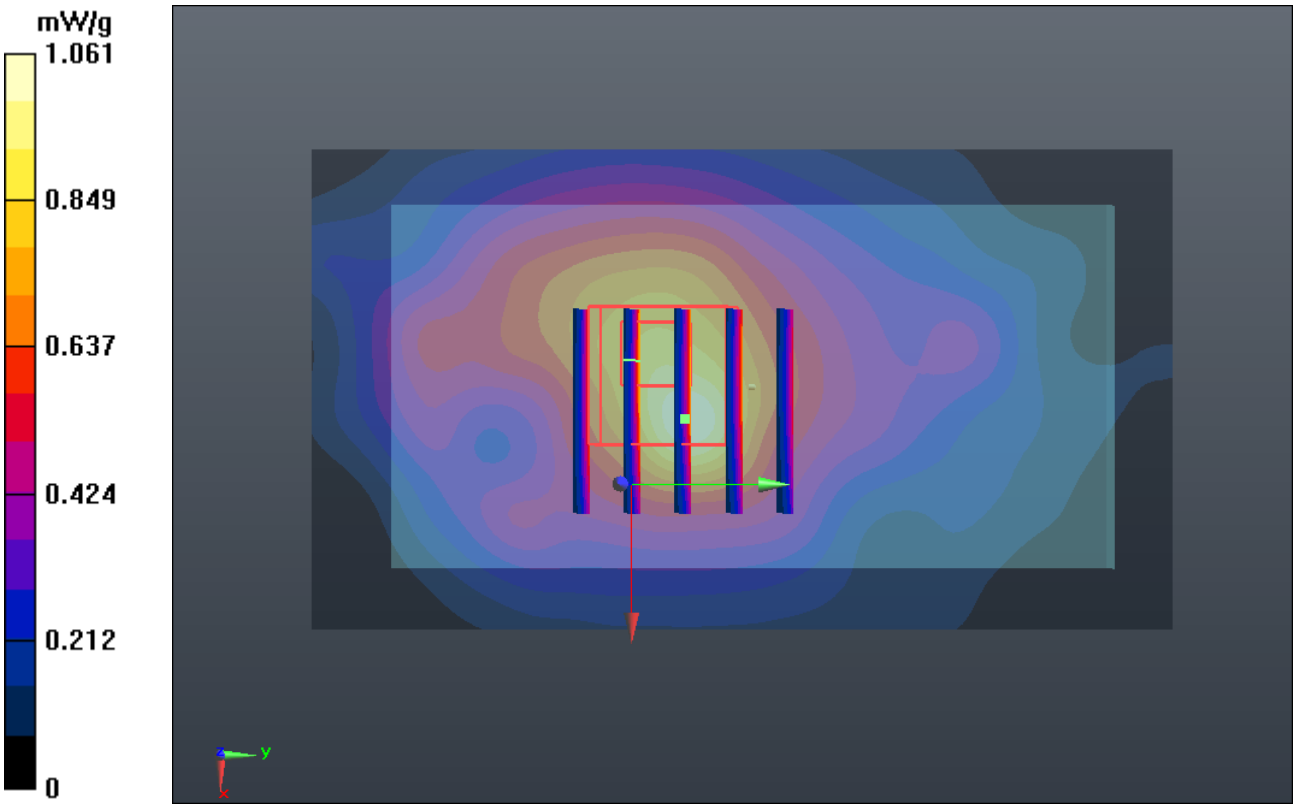
**DUT: 1D1601**

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_120112 Medium parameters used: f = 847 MHz; $\sigma$ = 0.985 mho/m; $\varepsilon_r$ = 54.16; $\rho$ = 1000 kg/$m^3$
Ambient Temperature：23.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.061 mW/g

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.612 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.068 W/kg
**SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.543 mW/g**
Maximum value of SAR (measured) = 0.823 mW/g


mW/g
1.061
0.849
0.637
0.424
0.212
0
y