

## #18 GSM850\_GPRS10\_Bottom\_0cm\_Ch251\_GPS\_Battery1

**DUT: 141109**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110507 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch251/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.203 mW/g

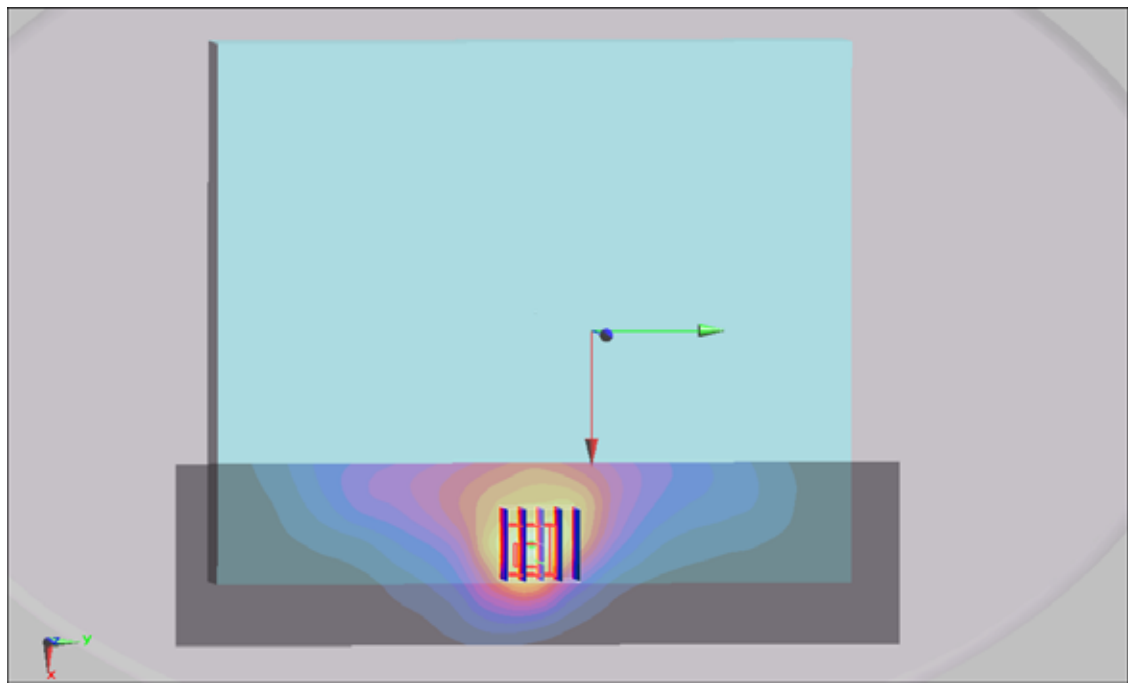
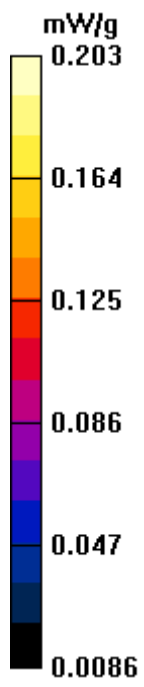
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.2 V/m; Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.137 mW/g**

Maximum value of SAR (measured) = 0.200 mW/g



**#20 GSM850\_GPRS10\_Bottom\_0cm\_Ch251\_Main\_Battery1**

**DUT: 141109**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110507 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2011/1/13

- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch251/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.210 mW/g

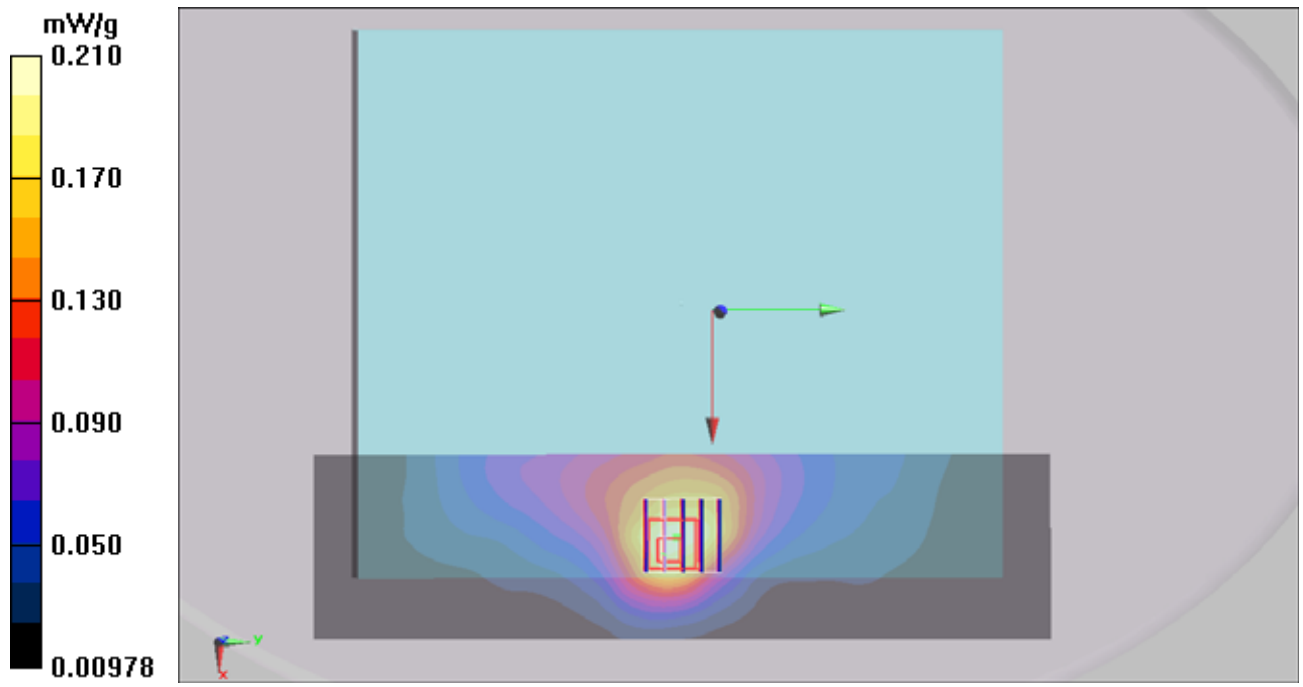
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.14 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.201 mW/g



**#20 GSM850\_GPRS10\_Bottom\_0cm\_Ch251\_Main\_Battery1\_2D**

**DUT: 141109**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110507 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch251/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.210 mW/g

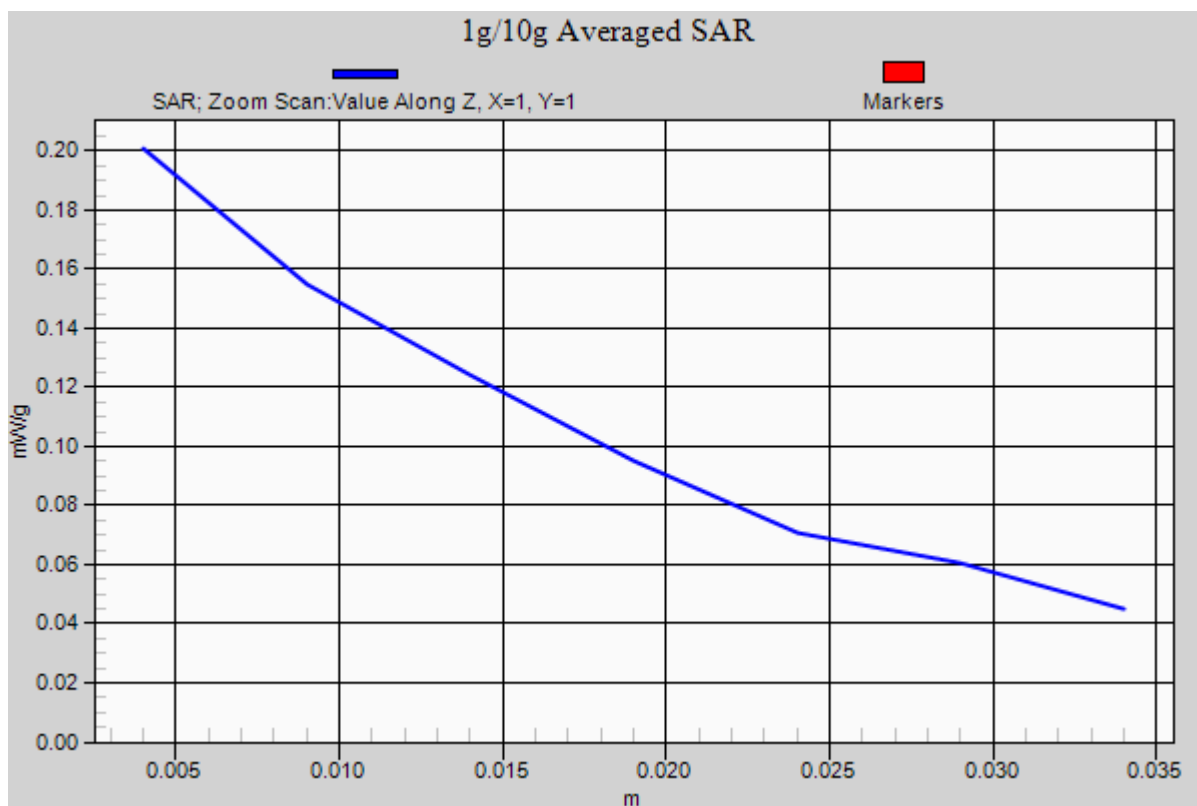
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.14 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.201 mW/g



**#21 GSM850\_GPRS10\_Bottom\_0cm\_Ch251\_Main\_Battery2**

**DUT: 141109**

Communication System: GSM850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL\_850\_110507 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 52.7$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.6 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch251/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.078 mW/g

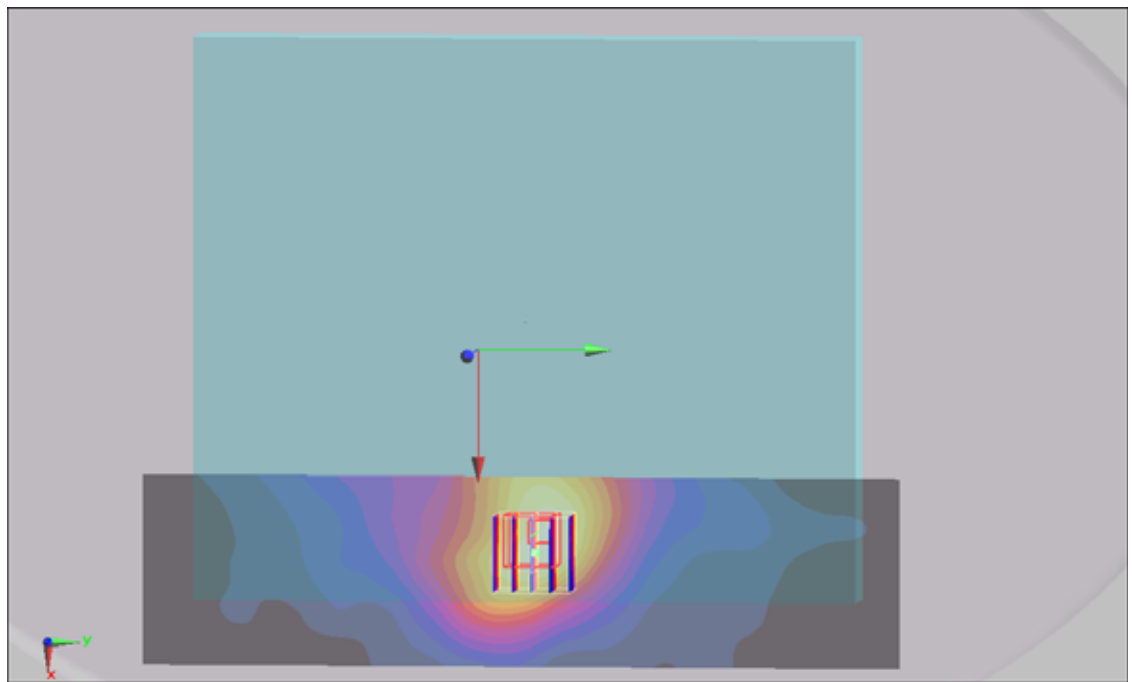
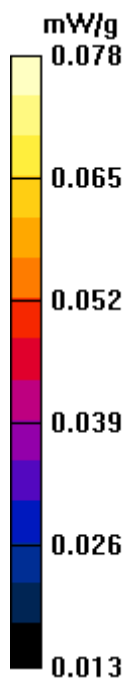
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.59 V/m; Power Drift = 0.142 dB

Peak SAR (extrapolated) = 0.093 W/kg

**SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.059 mW/g**

Maximum value of SAR (measured) = 0.077 mW/g



**#01 GSM1900\_GPRS10\_Bottom\_0cm\_Ch810\_GPS\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch810/Area Scan (139x164x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.990 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

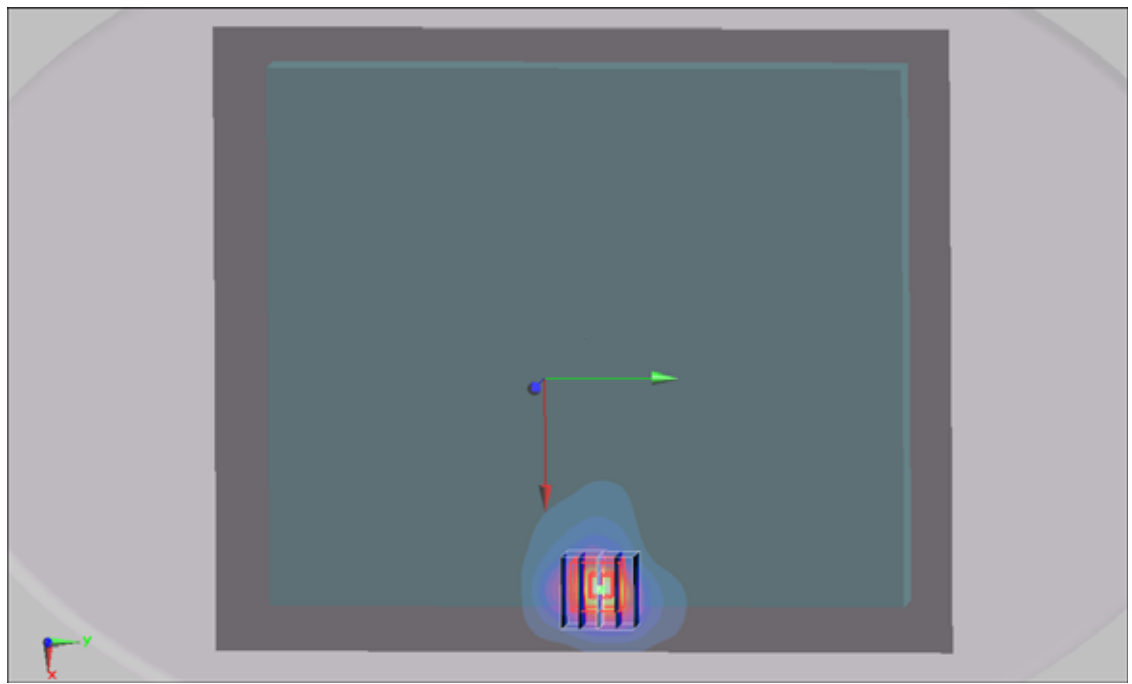
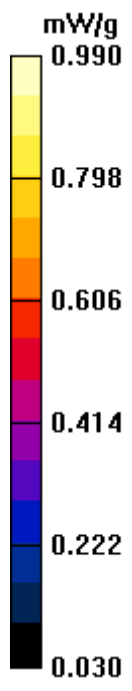
Reference Value = 5.27 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.533 mW/g**

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





**#01 GSM1900\_GPRS10\_Bottom\_0cm\_Ch810\_GPS\_Battery1\_2D**

**DUT: 141109**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch810/Area Scan (111x131x1):** Measurement grid: dx=25mm, dy=25mm

Maximum value of SAR (interpolated) = 0.990 mW/g

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

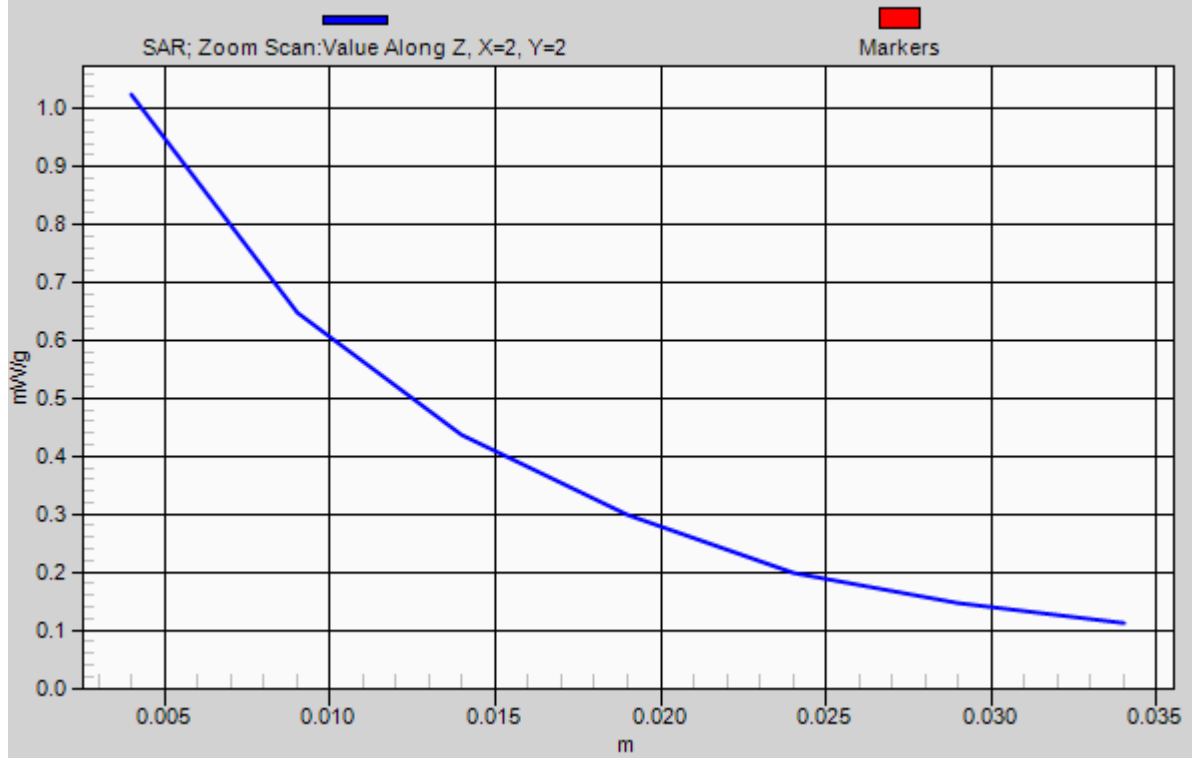
Reference Value = 5.27 V/m; Power Drift = 0.174 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.533 mW/g**

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

# 1g/10g Averaged SAR



**#03 GSM1900\_GPRS10\_Bottom\_0cm\_Ch810\_Main\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch810/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.993 mW/g

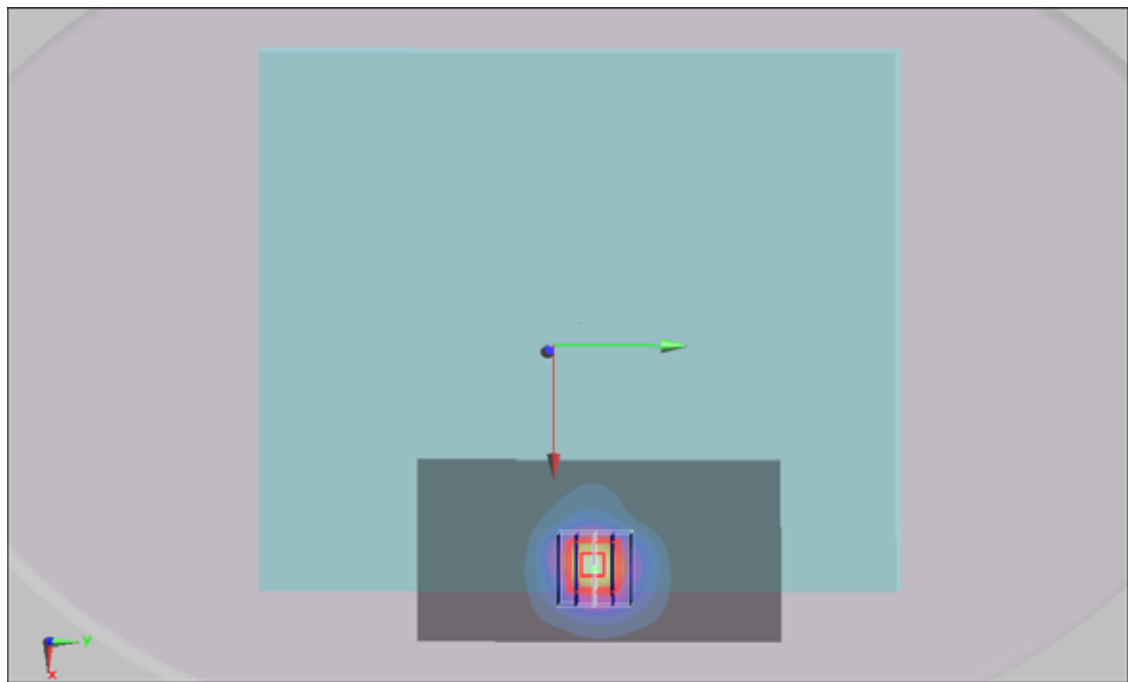
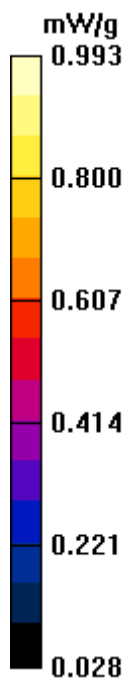
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.22 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 1.4 W/kg

**SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.485 mW/g**

Maximum value of SAR (measured) = 0.978 mW/g



**#04 GSM1900\_GPRS10\_Bottom\_0cm\_Ch810\_GPS\_Battery2**

**DUT: 141109**

Communication System: PCS; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch810/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.251 mW/g

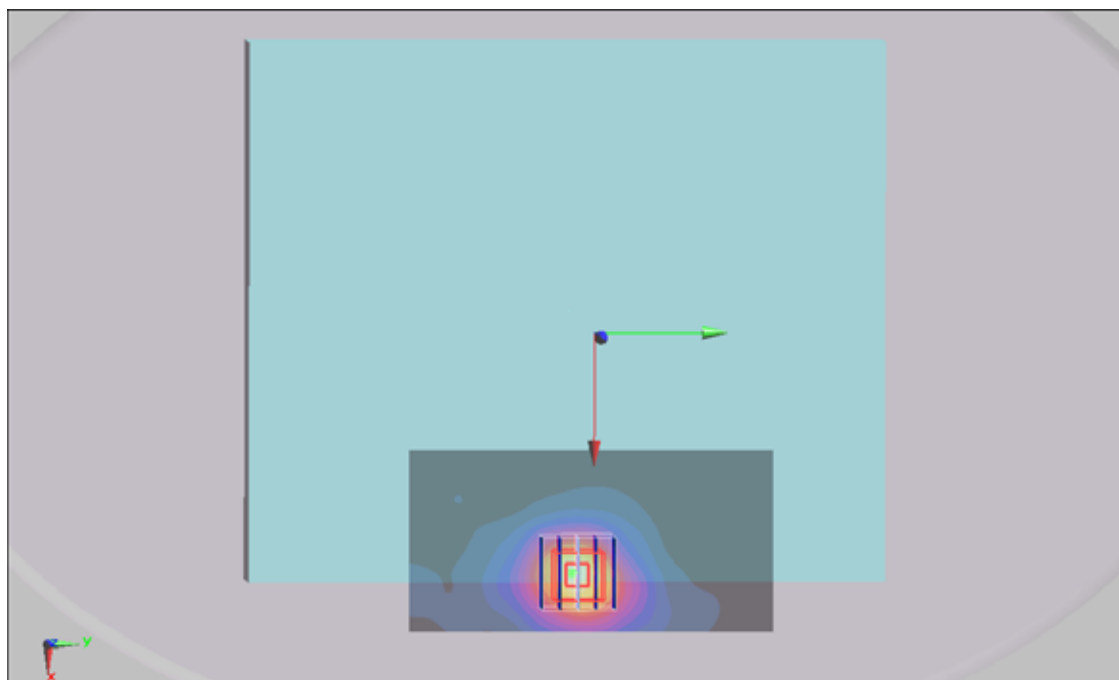
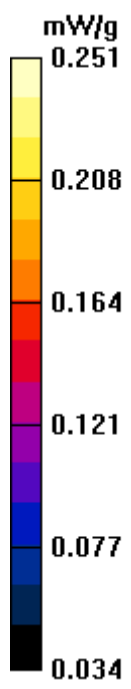
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.56 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.307 W/kg

**SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.149 mW/g**

Maximum value of SAR (measured) = 0.225 mW/g



**#05 GSM1900\_GPRS10\_Bottom\_0cm\_Ch512\_GPS\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.677 mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

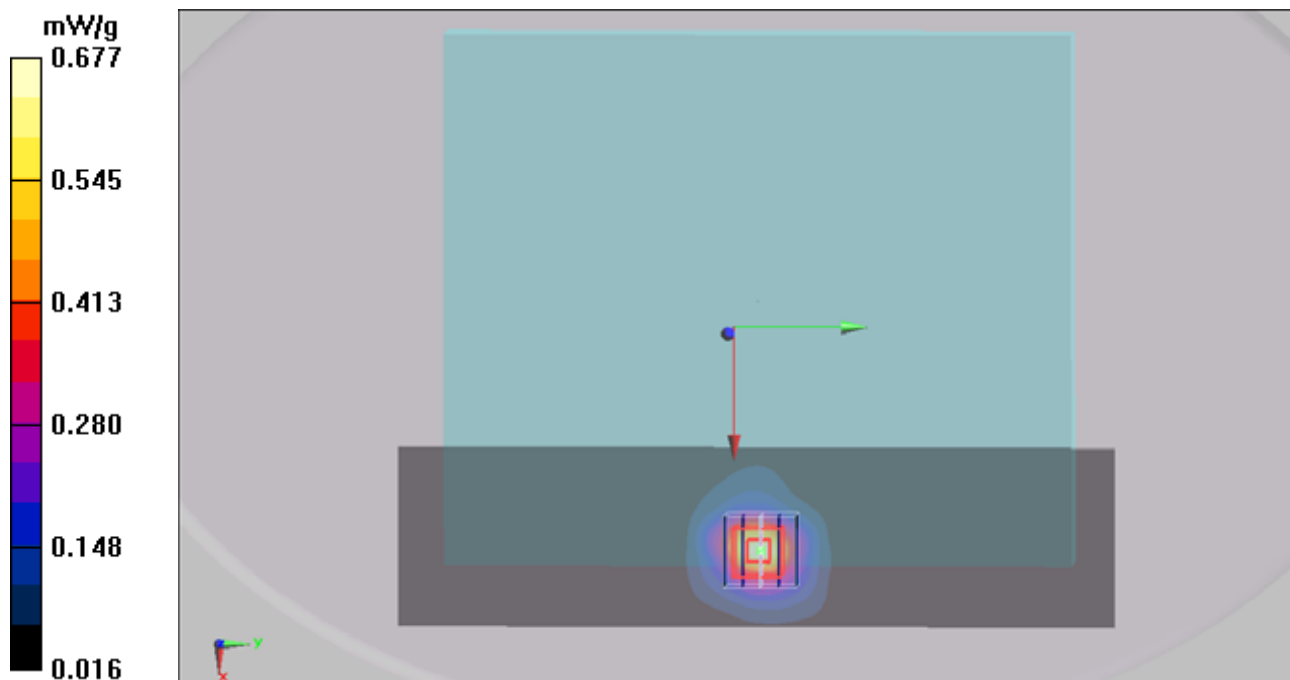
Reference Value = 3.93 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 0.951 W/kg

**SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.341 mW/g**

Maximum value of SAR (measured) = 0.633 mW/g





**#06 GSM1900\_GPRS10\_Bottom\_0cm\_Ch661\_GPS\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch661/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.767 mW/g

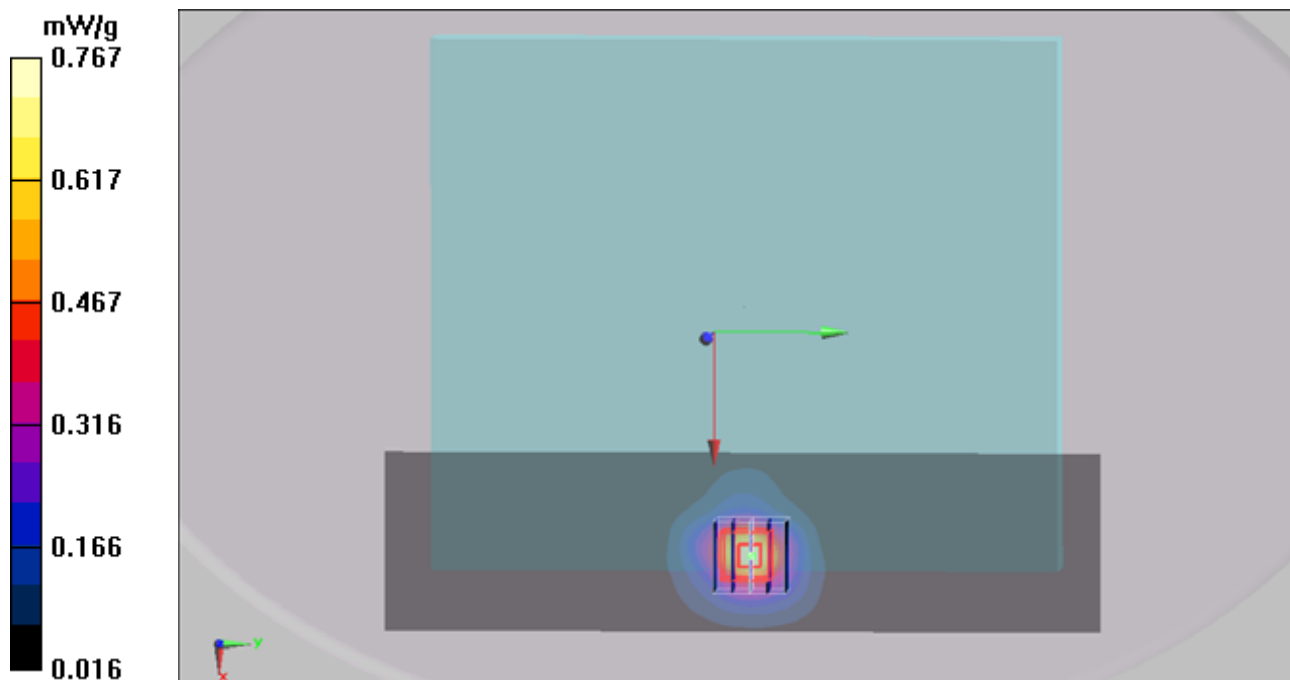
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.31 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.1 W/kg

**SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.392 mW/g**

Maximum value of SAR (measured) = 0.739 mW/g



**#09 GSM1900\_GPRS10\_Bottom\_0cm\_Ch512\_Main\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used :  $f = 1850.2$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch512/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.653 mW/g

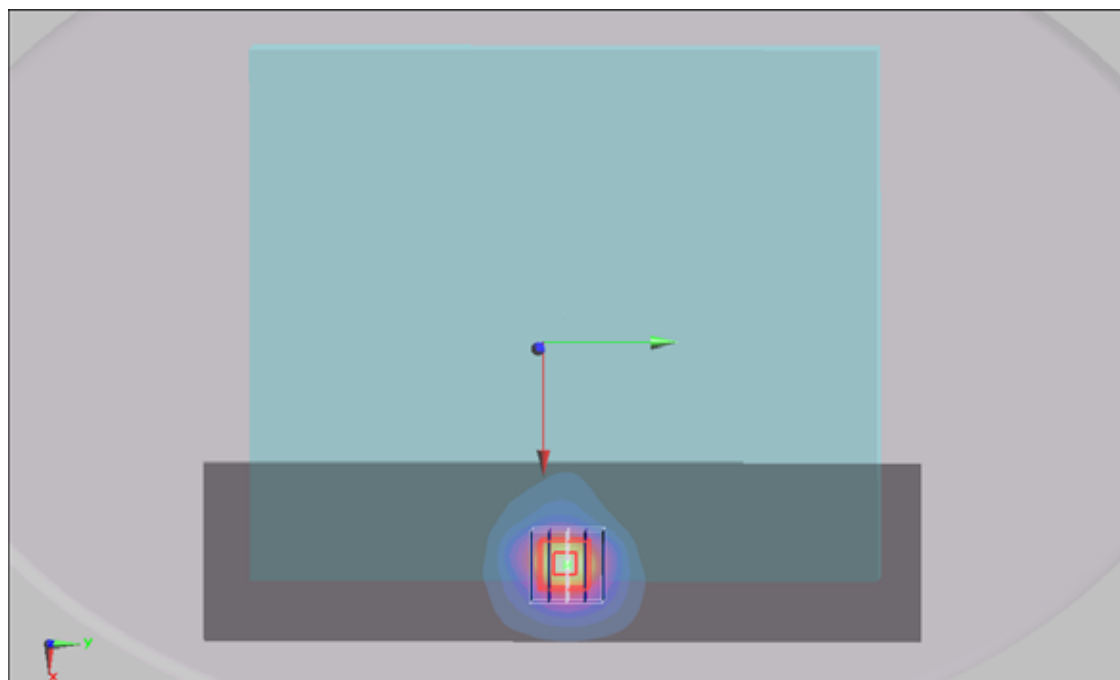
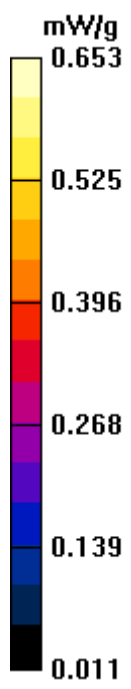
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.09 V/m; Power Drift = 0.188 dB

Peak SAR (extrapolated) = 0.900 W/kg

**SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.337 mW/g**

Maximum value of SAR (measured) = 0.627 mW/g



**#10 GSM1900\_GPRS10\_Bottom\_0cm\_Ch661\_Main\_Battery1**

**DUT: 141109**

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch661/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.551 mW/g

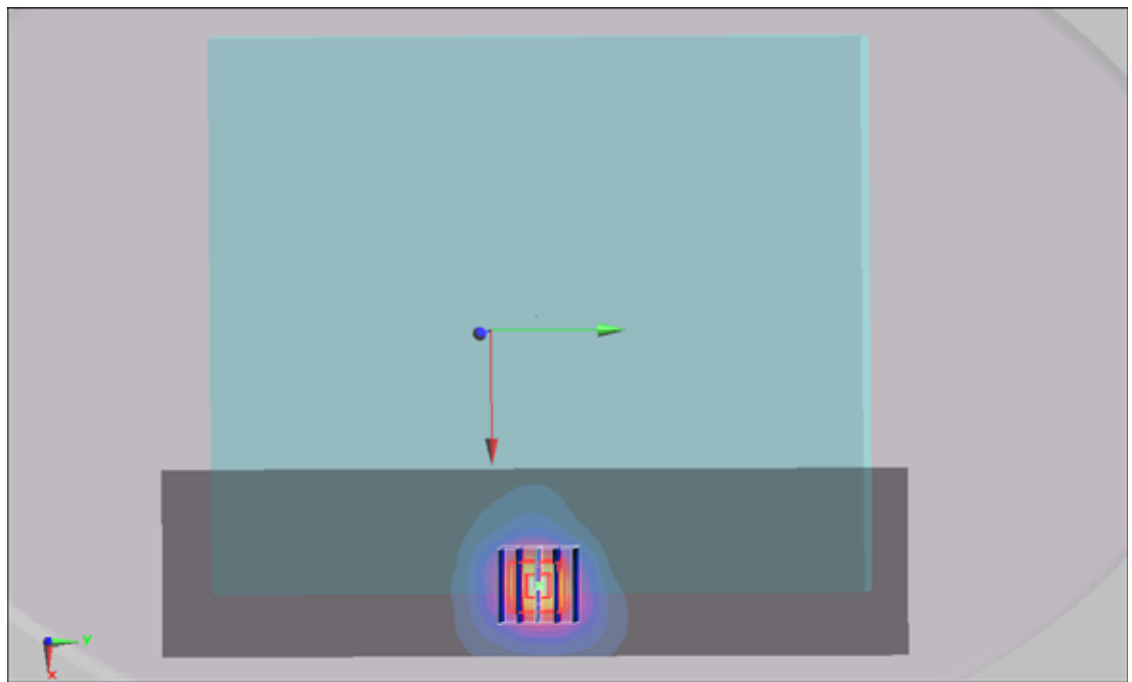
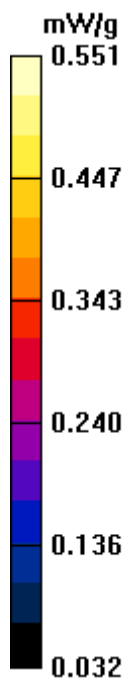
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.27 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.823 W/kg

**SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.315 mW/g**

Maximum value of SAR (measured) = 0.562 mW/g



**#22 WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4233\_GPS\_Battery1**

**DUT: 141109**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110509 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.7 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4233/Area Scan (141x161x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

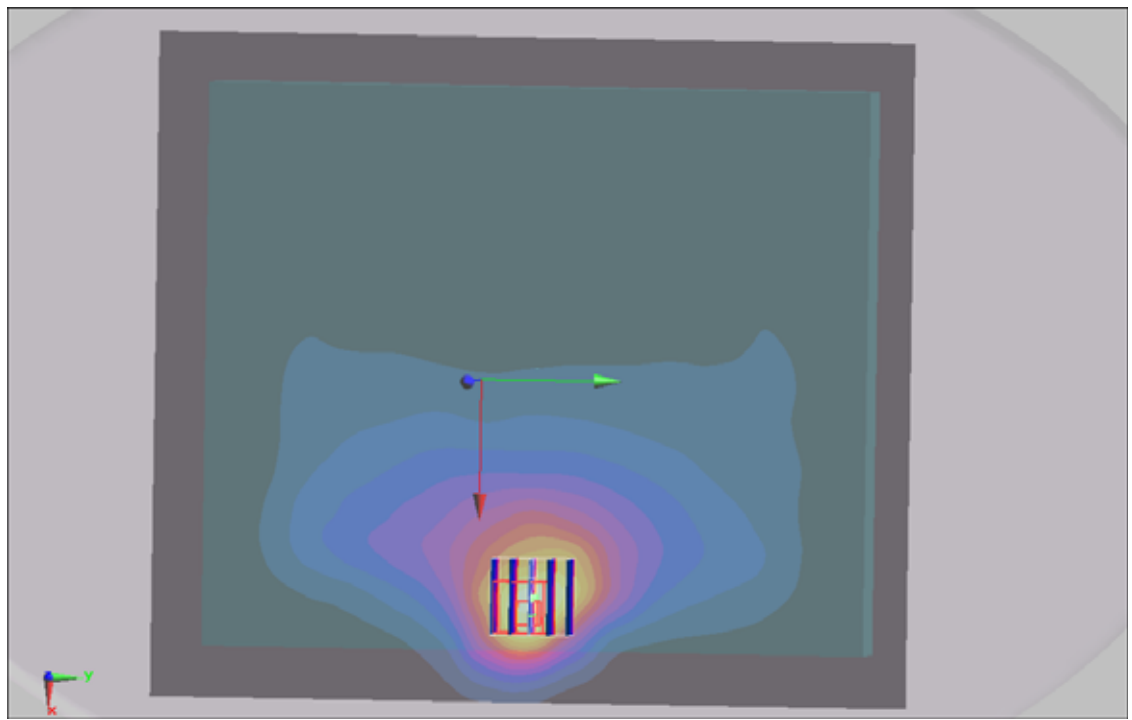
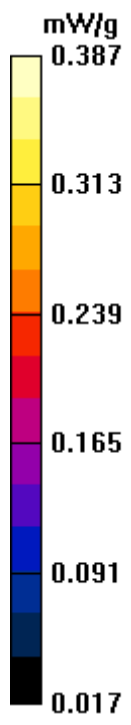
Reference Value = 6.86 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.300 mW/g





#22 WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4233\_GPS\_Battery1\_2D

DUT: 141109

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110509 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.7 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4233/Area Scan (141x161x1):** Measurement grid: dx=20mm, dy=20mm

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

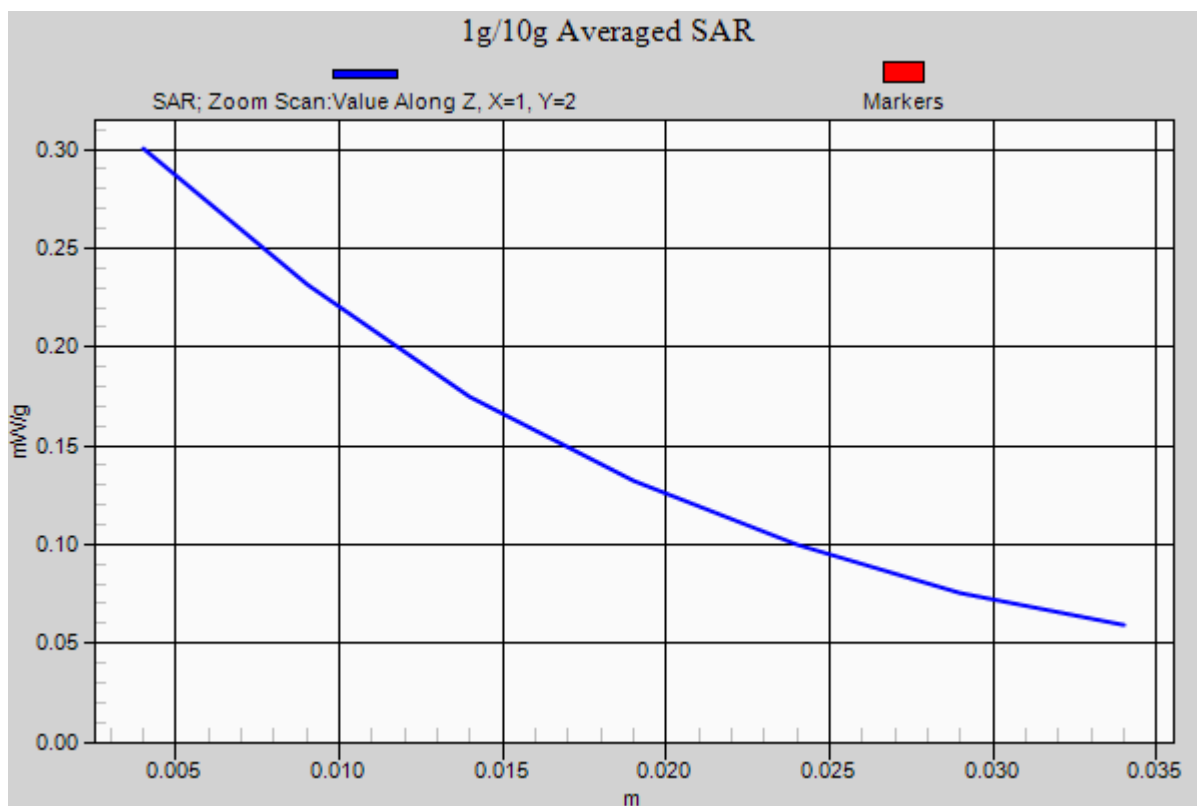
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.86 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.360 W/kg

**SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.208 mW/g**

Maximum value of SAR (measured) = 0.300 mW/g



**#24 WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4233\_Main\_Battery1**

**DUT: 141109**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110509 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.7 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn577; Calibrated: 2011/1/13

- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029

- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4233/Area Scan (141x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.247 mW/g

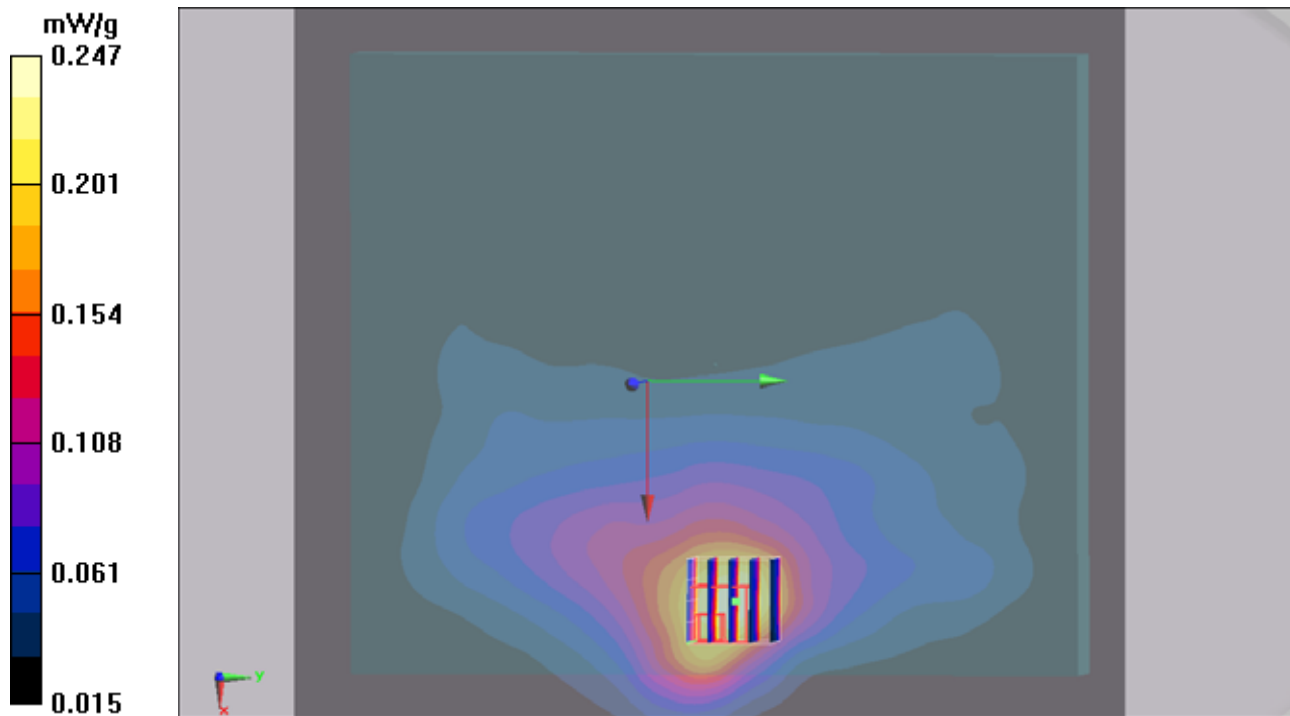
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.2 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.154 mW/g**

Maximum value of SAR (measured) = 0.257 mW/g



**#25 WCDMA V\_RMC12.2K\_Bottom\_0cm\_Ch4233\_GPS\_Battery2**

**DUT: 141109**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_850\_110509 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.965$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.7 ; Liquid Temperature : 21.6

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.65, 8.65, 8.65); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch4233/Area Scan (141x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.099 mW/g

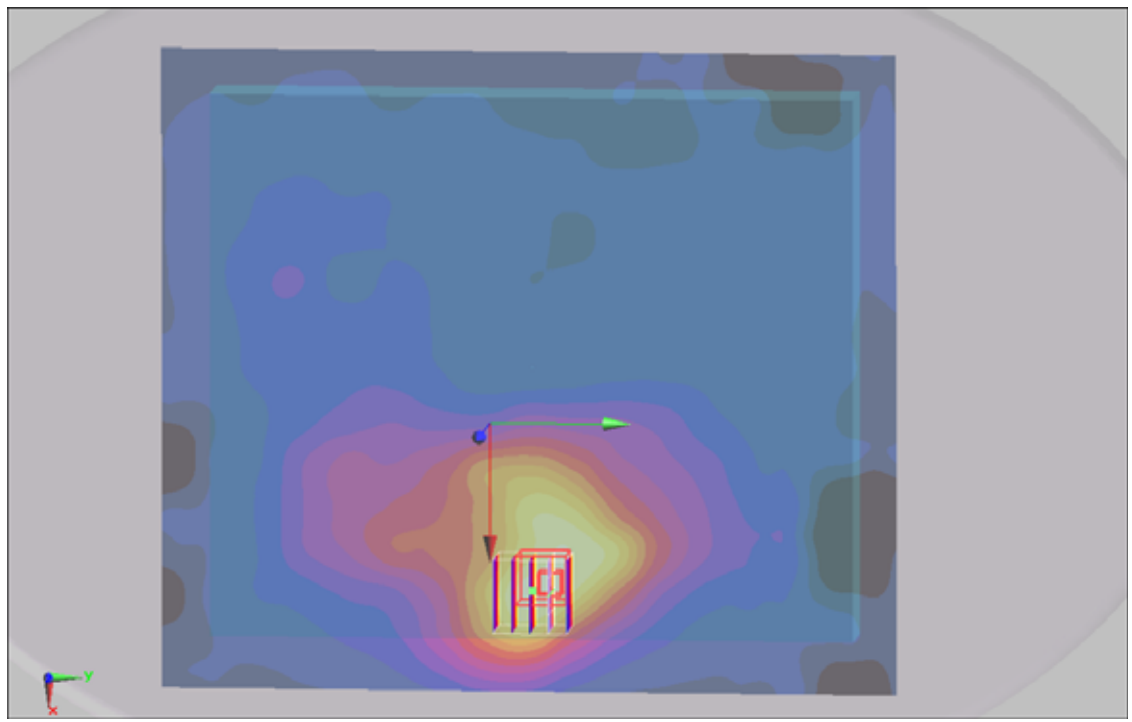
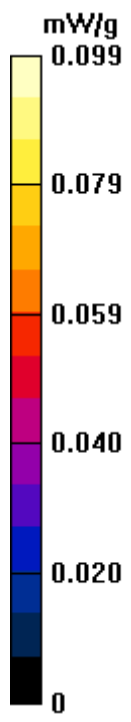
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.04 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.123 W/kg

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.072 mW/g**

Maximum value of SAR (measured) = 0.097 mW/g



## #12 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9400\_GPS\_Battery1

**DUT: 141109**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9400/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.24 mW/g

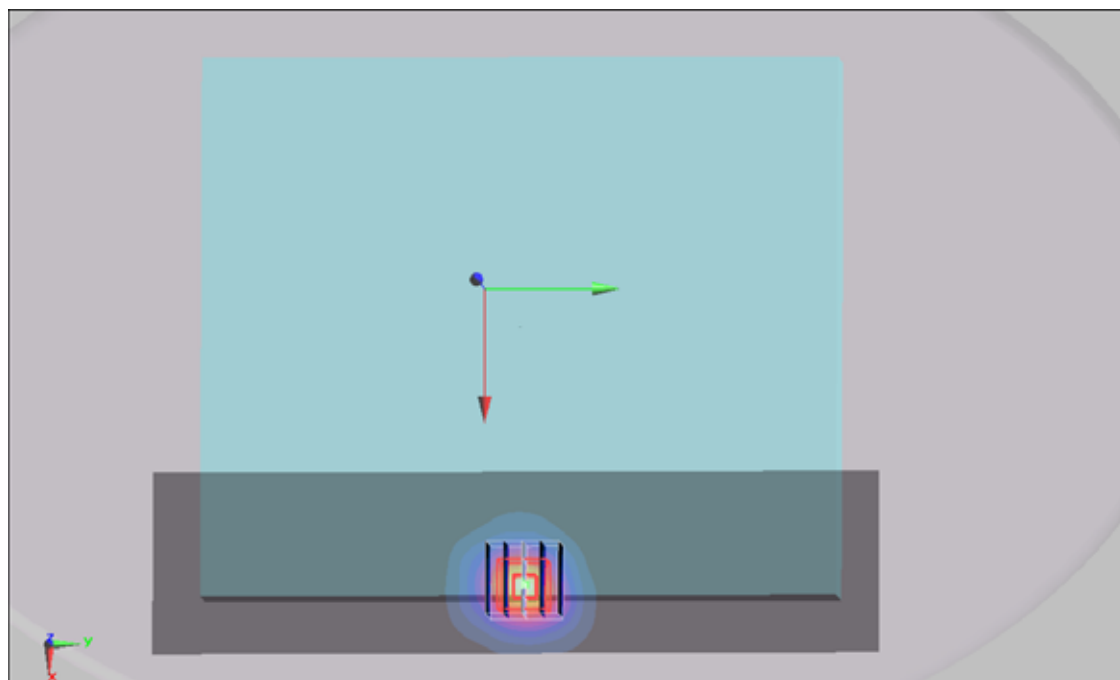
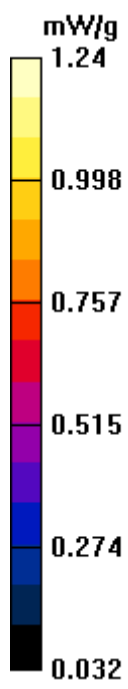
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.32 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.504 mW/g**

Maximum value of SAR (measured) = 0.925 mW/g





**#14 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9400\_Main\_Battery1**

**DUT: 141109**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9400/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.811 mW/g

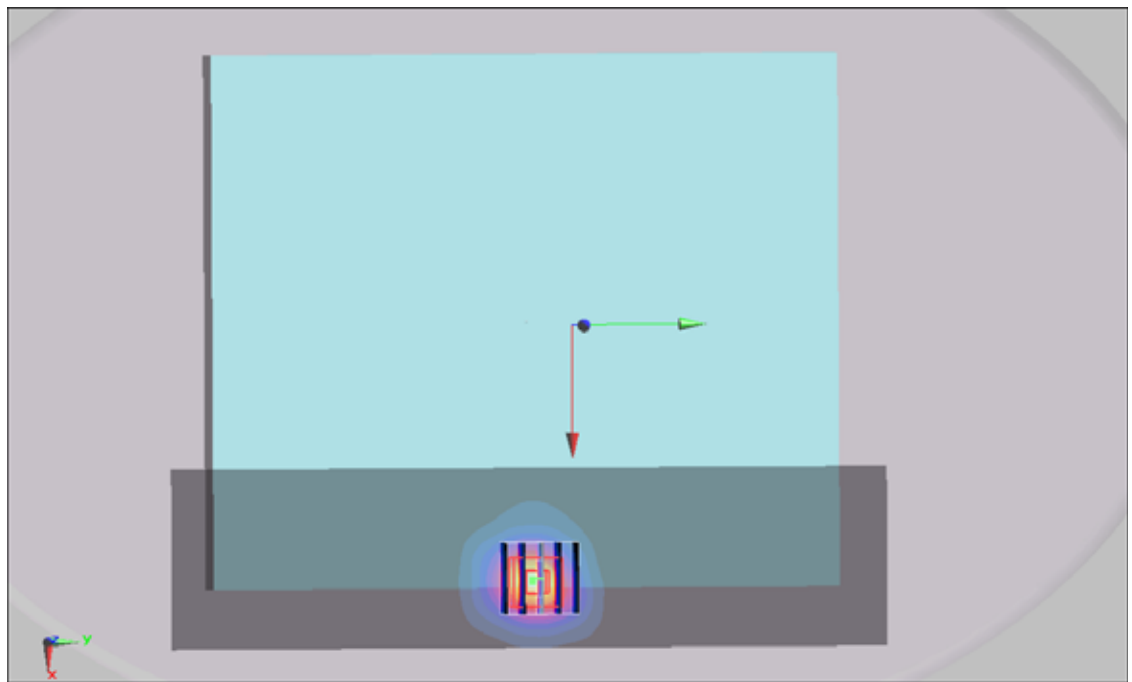
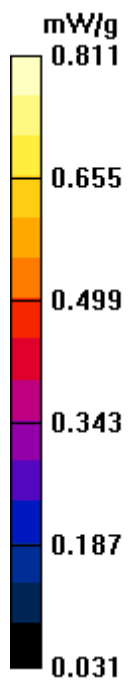
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.99 V/m; Power Drift = 0.094 dB

Peak SAR (extrapolated) = 1.3 W/kg

**SAR(1 g) = 0.795 mW/g; SAR(10 g) = 0.456 mW/g**

Maximum value of SAR (measured) = 0.869 mW/g



**#15 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9400\_GPS\_Battery2**

**DUT: 141109**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9400/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.394 mW/g

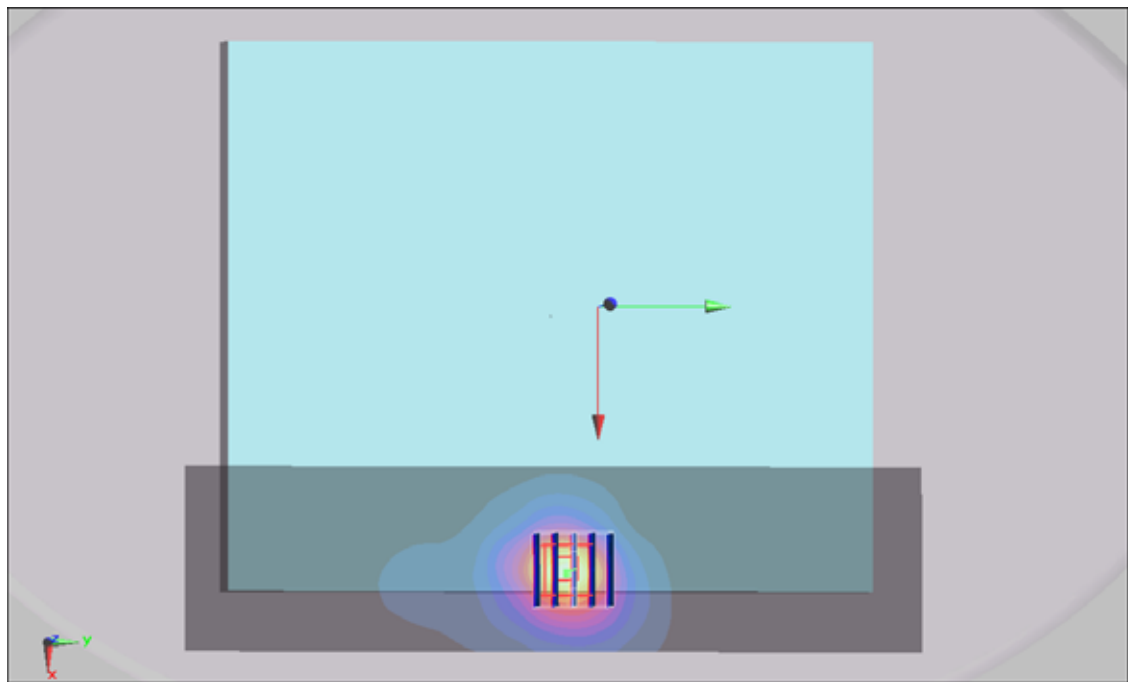
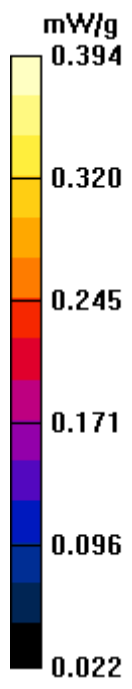
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.15 V/m; Power Drift = 0.097 dB

Peak SAR (extrapolated) = 0.512 W/kg

**SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.213 mW/g**

Maximum value of SAR (measured) = 0.360 mW/g



**#16 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9262\_GPS\_Battery1**

**DUT: 141109**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used :  $f = 1852.4$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 52.1$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9262/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

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

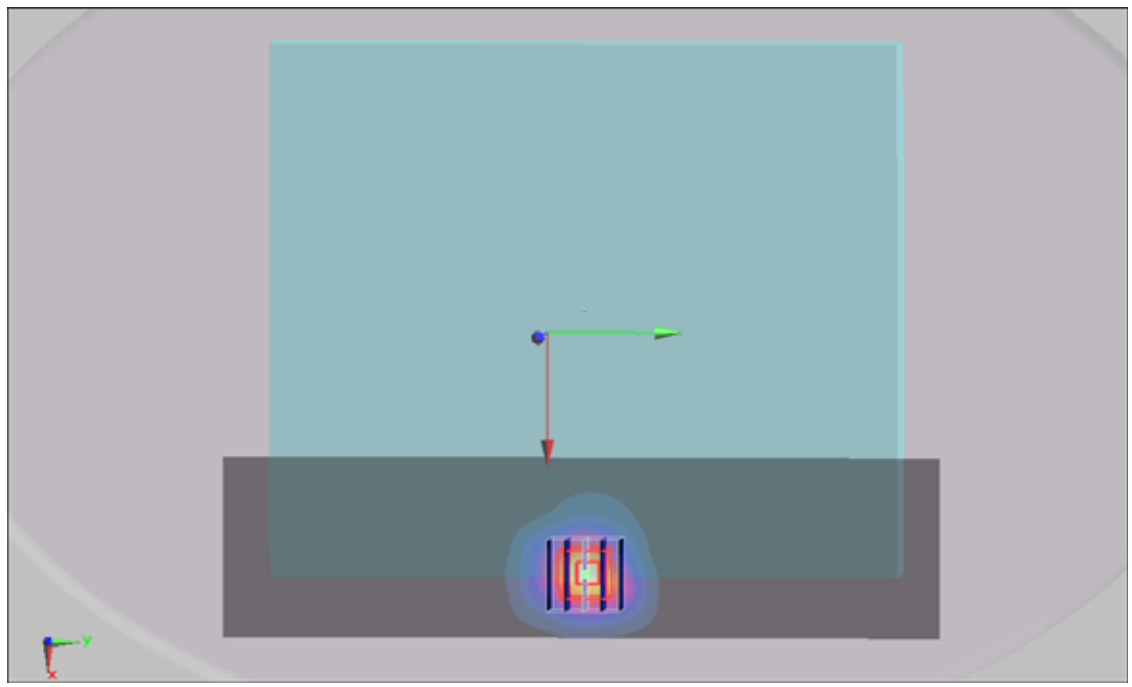
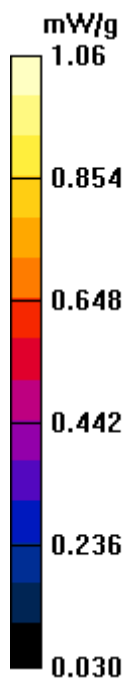
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.31 V/m; Power Drift = -0.129 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.920 mW/g; SAR(10 g) = 0.526 mW/g**

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



## #17 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9538\_GPS\_Battery1

**DUT: 141109**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9538/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.615 mW/g

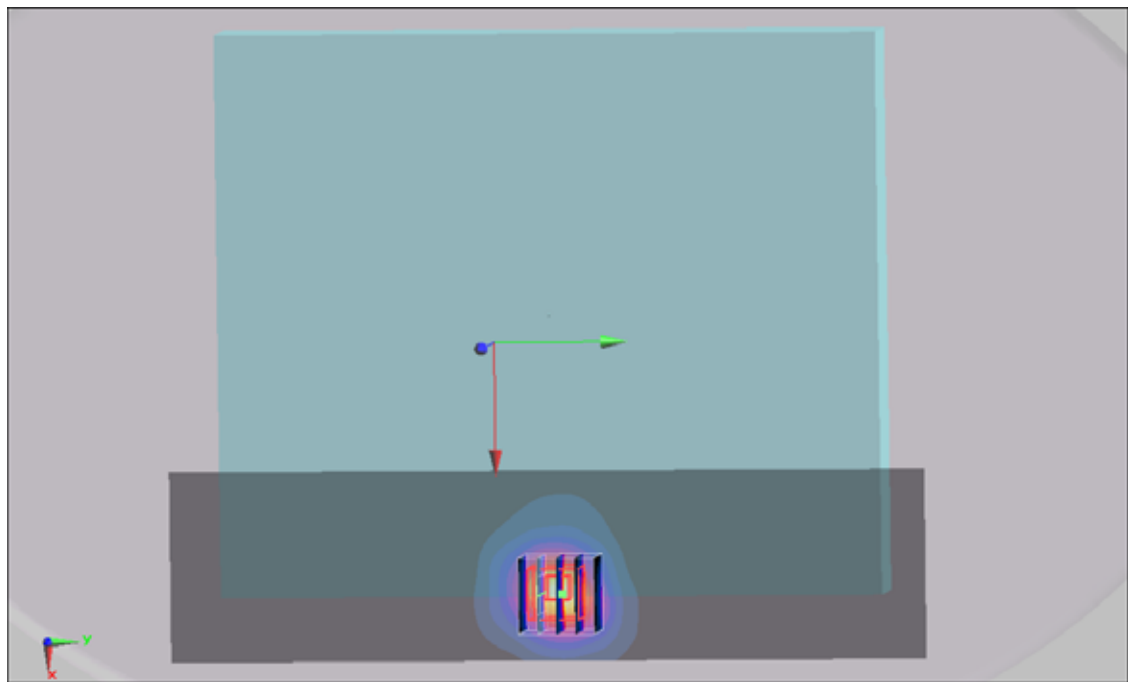
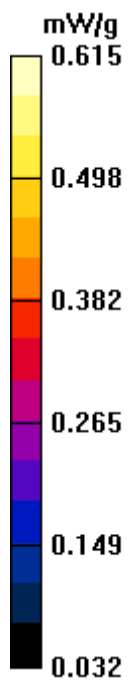
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.27 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.339 mW/g**

Maximum value of SAR (measured) = 0.626 mW/g





#17 WCDMA II\_RMC12.2K\_Bottom\_0cm\_Ch9538\_GPS\_Battery1\_2D

DUT: 141109

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_110507 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.26, 7.26, 7.26); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch9538/Area Scan (41x161x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.615 mW/g

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.27 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.339 mW/g**

Maximum value of SAR (measured) = 0.626 mW/g

