

#09 GSM850_GPRS10_Bottom_0cm_Ch189_Ant Retracted

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (121x141x1): Measurement grid: $dx=25\text{mm}$, $dy=25\text{mm}$

Maximum value of SAR (interpolated) = 0.00146 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.01 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.0012 W/kg

SAR(1 g) = 0.00106 mW/g; SAR(10 g) = 0.000935 mW/g

Maximum value of SAR (measured) = 0.0012 mW/g

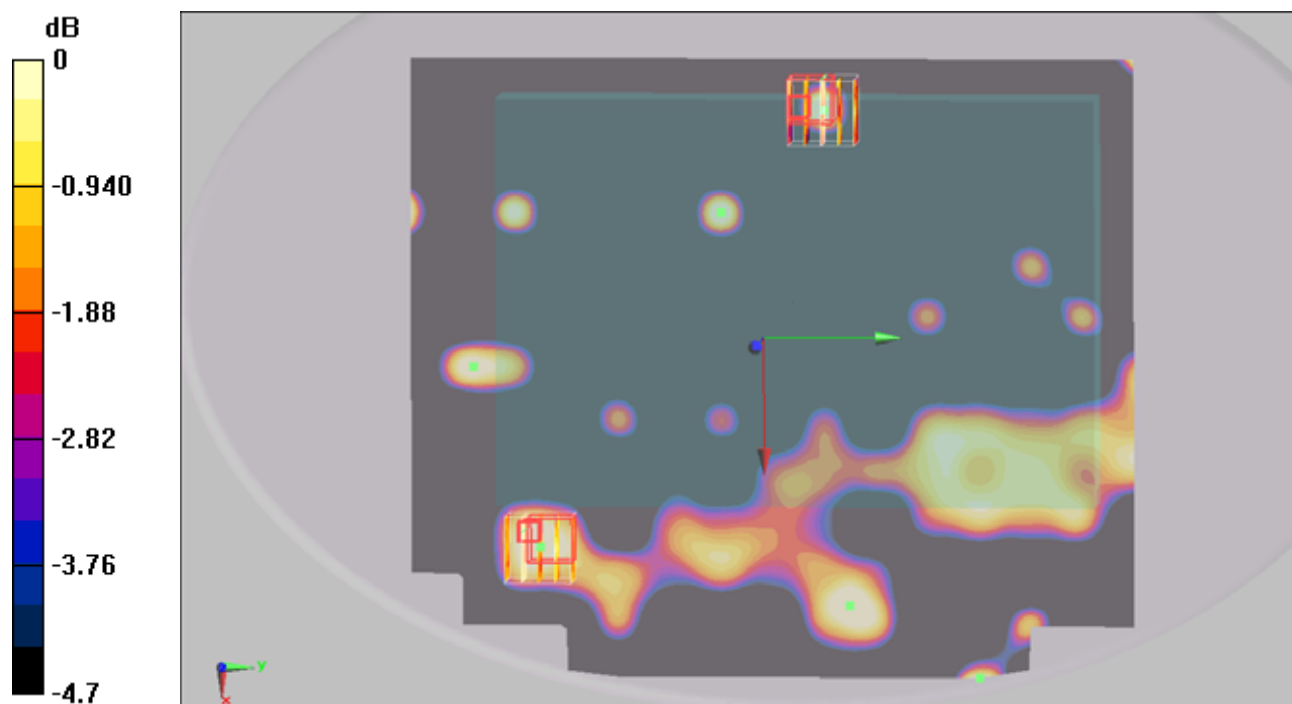
Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.01 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.00343 W/kg

SAR(1 g) = 0.000954 mW/g; SAR(10 g) = 0.000892 mW/g

Maximum value of SAR (measured) = 0.00119 mW/g



0 dB = 0.00119mW/g

#15 GSM850_GPRS10_Bottom_0cm_Ch128_Ant Extented

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm

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

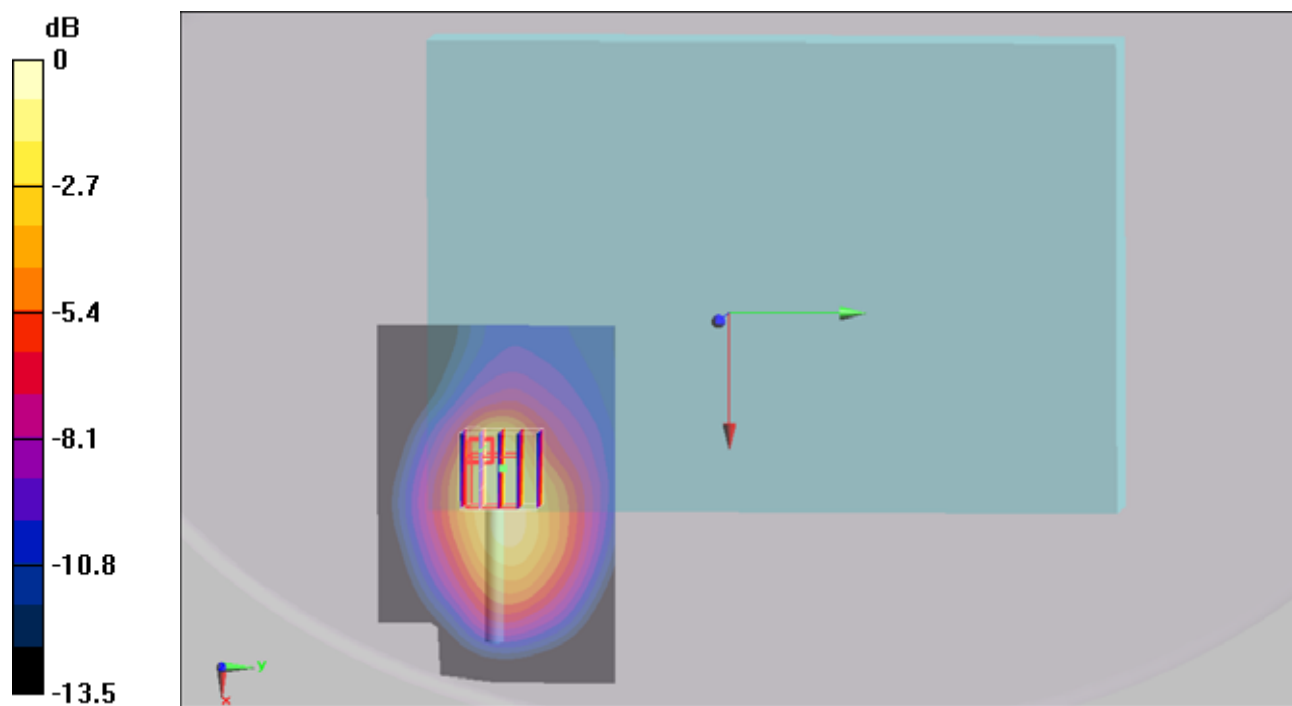
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.56 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 3.9 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.739 mW/g

Maximum value of SAR (measured) = 1.74 mW/g



0 dB = 1.74mW/g

#15 GSM850_GPRS10_Bottom_0cm_Ch128_Ant Extented_2D**DUT: 050315**

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 54.6$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY4, V4.7 Build 80; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (81x51x1): Measurement grid: dx=20mm, dy=20mm

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

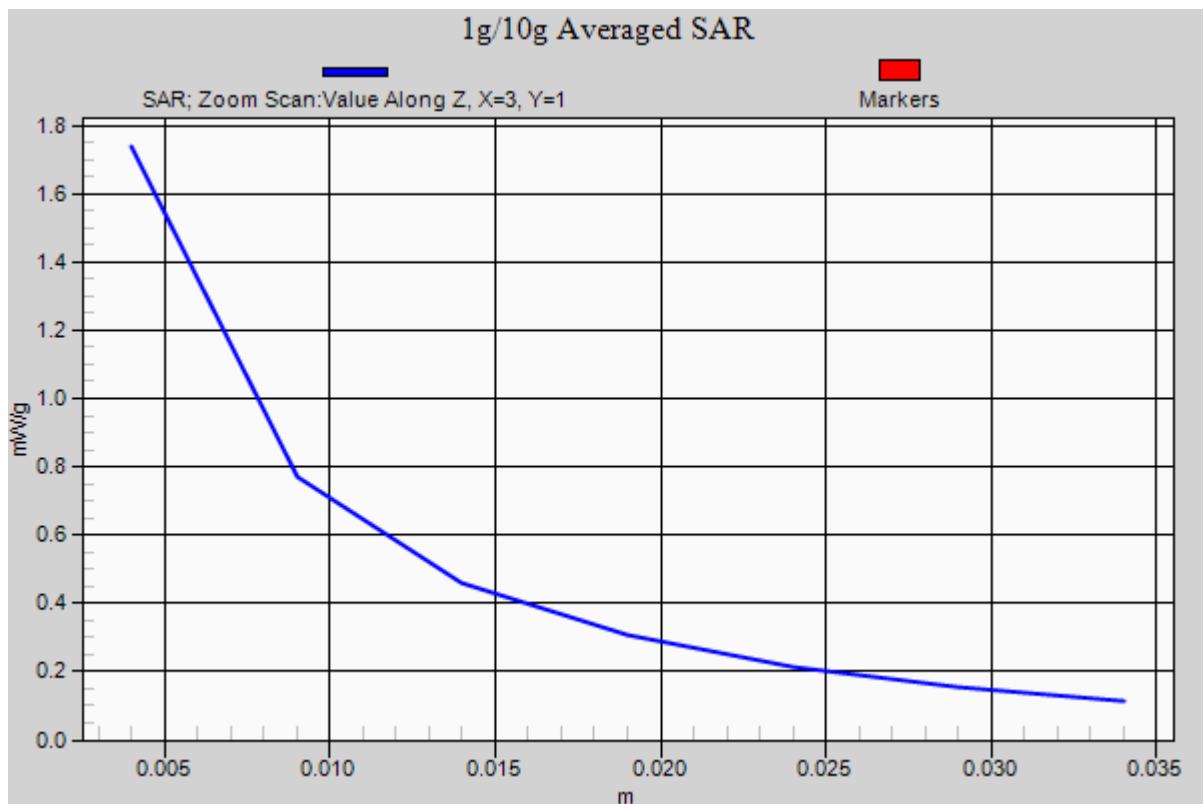
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.56 V/m; Power Drift = -0.039 dB

Peak SAR (extrapolated) = 3.9 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.739 mW/g

Maximum value of SAR (measured) = 1.74 mW/g



#11 GSM850_GPRS10_Primary Landscape_0cm_Ch189_Ant Extented

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.039 mW/g

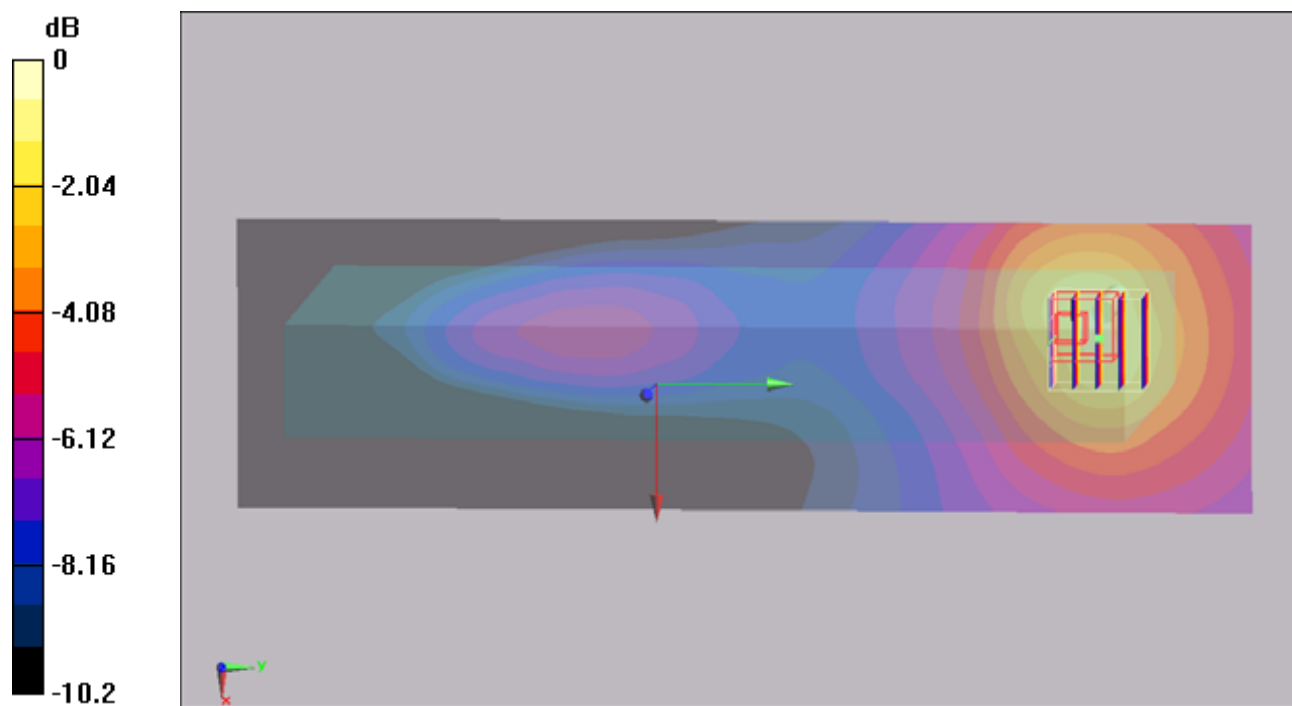
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.52 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 0.084 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.051 mW/g



0 dB = 0.051mW/g

#12 GSM850_GPRS10_Secondary Landscape_0cm_Ch189_Ant Retracted

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.00165 mW/g

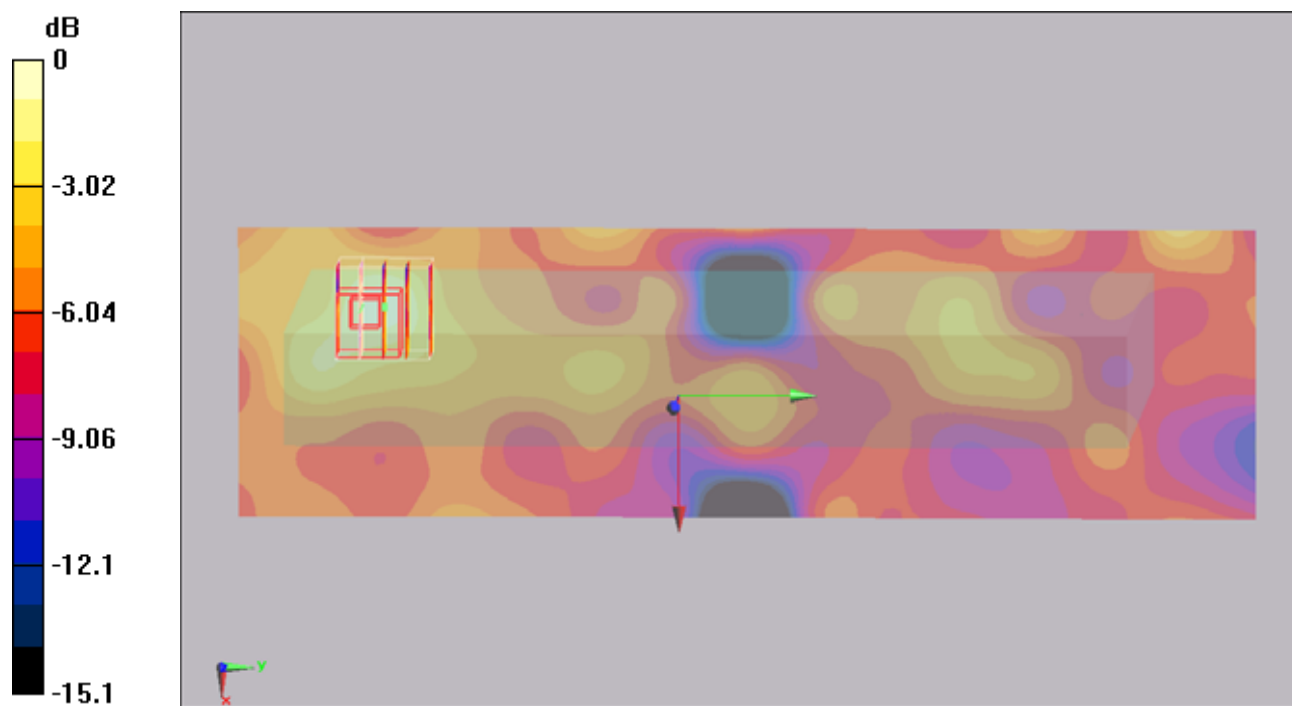
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.437 V/m; Power Drift = 0.104 dB

Peak SAR (extrapolated) = 0.00253 W/kg

SAR(1 g) = 0.00147 mW/g; SAR(10 g) = 0.000929 mW/g

Maximum value of SAR (measured) = 0.00174 mW/g



0 dB = 0.00174mW/g

#13 GSM850_GPRS10_Primary Portrait_0cm_Ch189_Ant Extended

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.047 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.63 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.112 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.059 mW/g

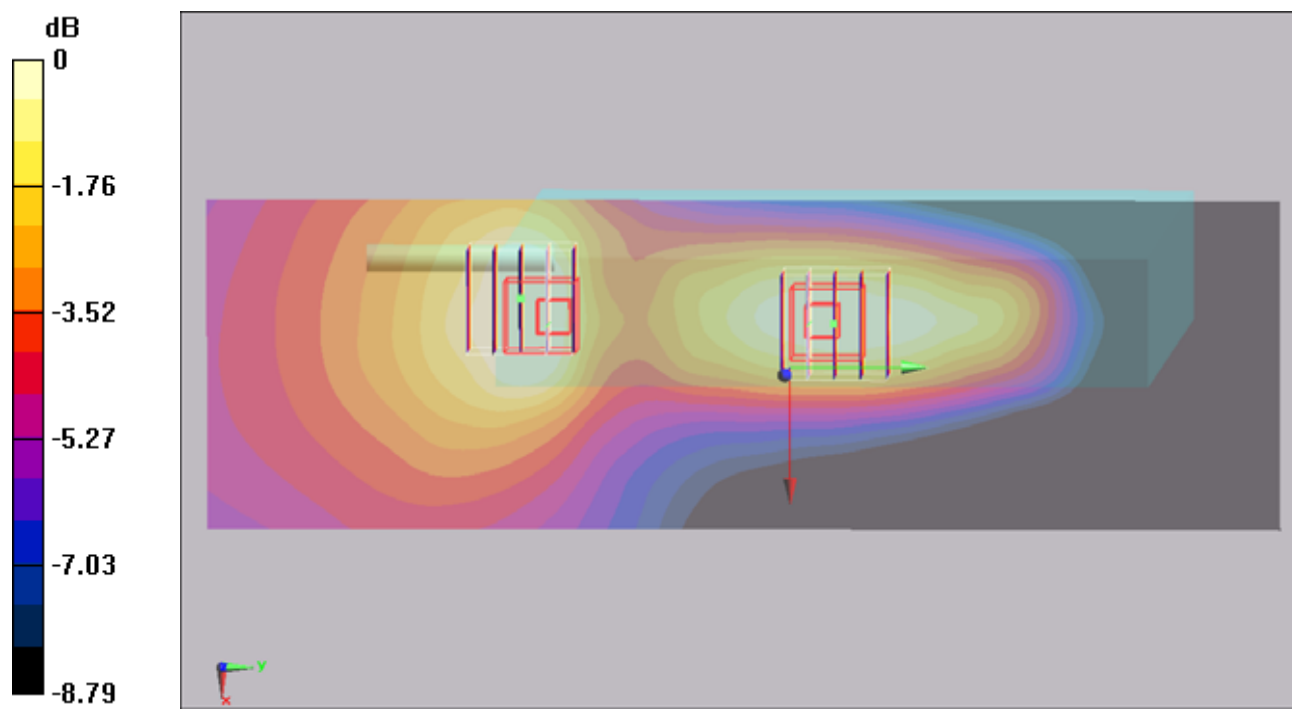
Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.63 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.049 W/kg

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g

#14 GSM850_GPRS10_Secondary Portrait_0cm_Ch189_Ant Extented

DUT: 050315

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_850_100519 Medium parameters used : $f = 836.4 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch189/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.716 mW/g

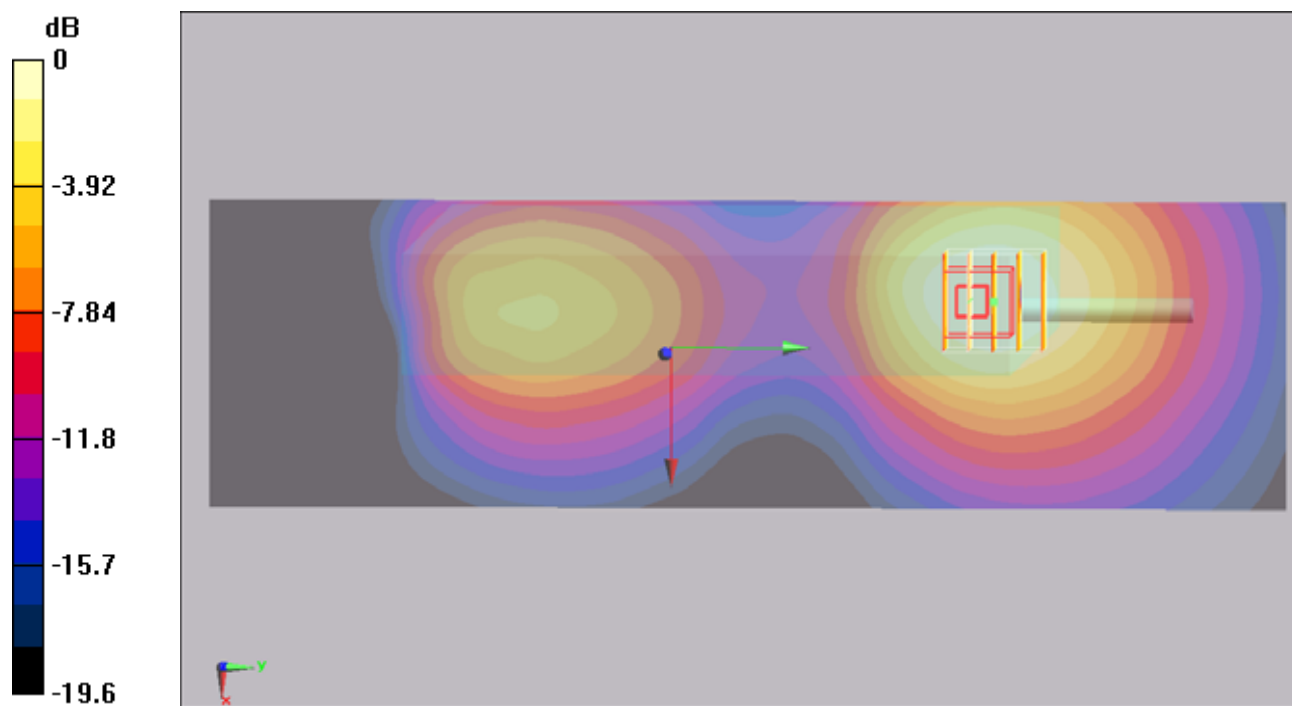
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.2 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.830 W/kg

SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.444 mW/g

Maximum value of SAR (measured) = 0.681 mW/g



0 dB = 0.681mW/g

#26 GSM1900_GPRS10_Bottom_0cm_Ch661_Ant Retracted

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (141x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.018 mW/g

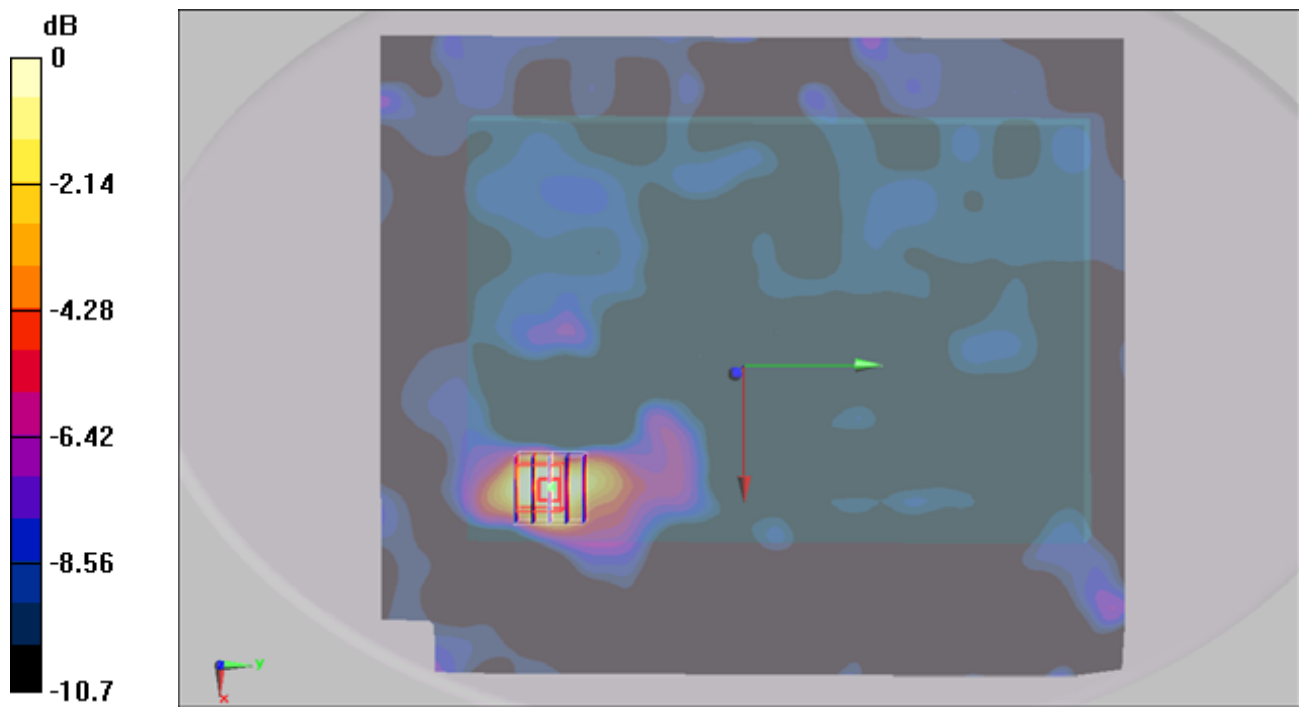
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.01 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.018 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00772 mW/g

Maximum value of SAR (measured) = 0.014 mW/g



#27 GSM1900_GPRS10_Bottom_0cm_Ch661_Ant Extented

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (151x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.606 mW/g

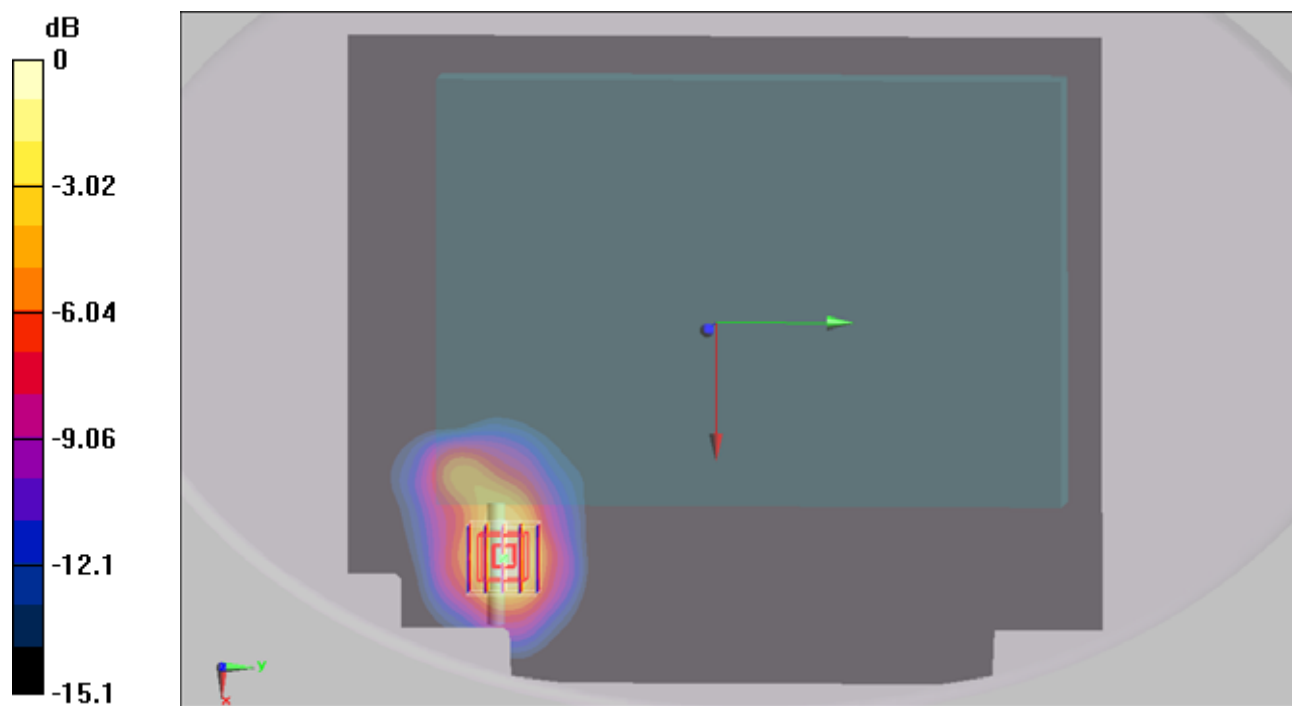
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.7 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.748 W/kg

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.330 mW/g

Maximum value of SAR (measured) = 0.609 mW/g



#27 GSM1900_GPRS10_Bottom_0cm_Ch661_Ant Extented_2D

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (151x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.606 mW/g

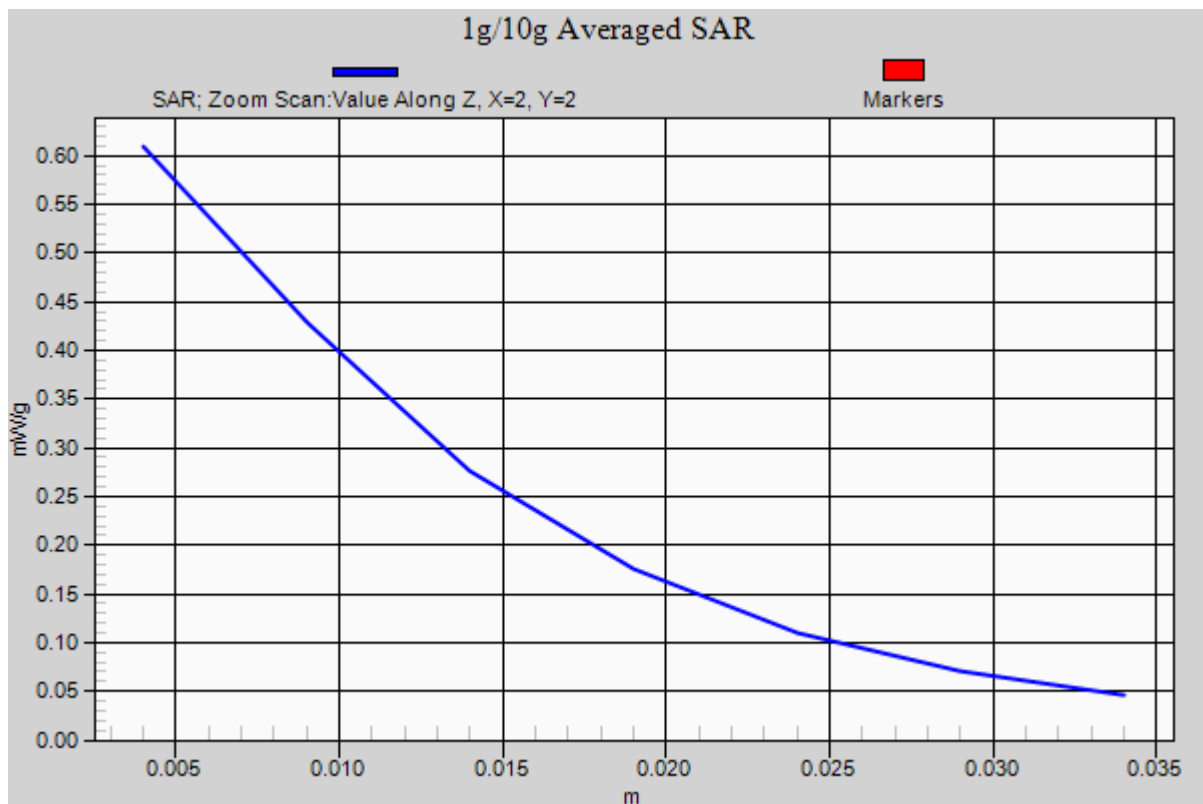
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.7 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.748 W/kg

SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.330 mW/g

Maximum value of SAR (measured) = 0.609 mW/g



#28 GSM1900_GPRS10_Primary Landscape_0cm_Ch661_Ant Extented

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.050 mW/g

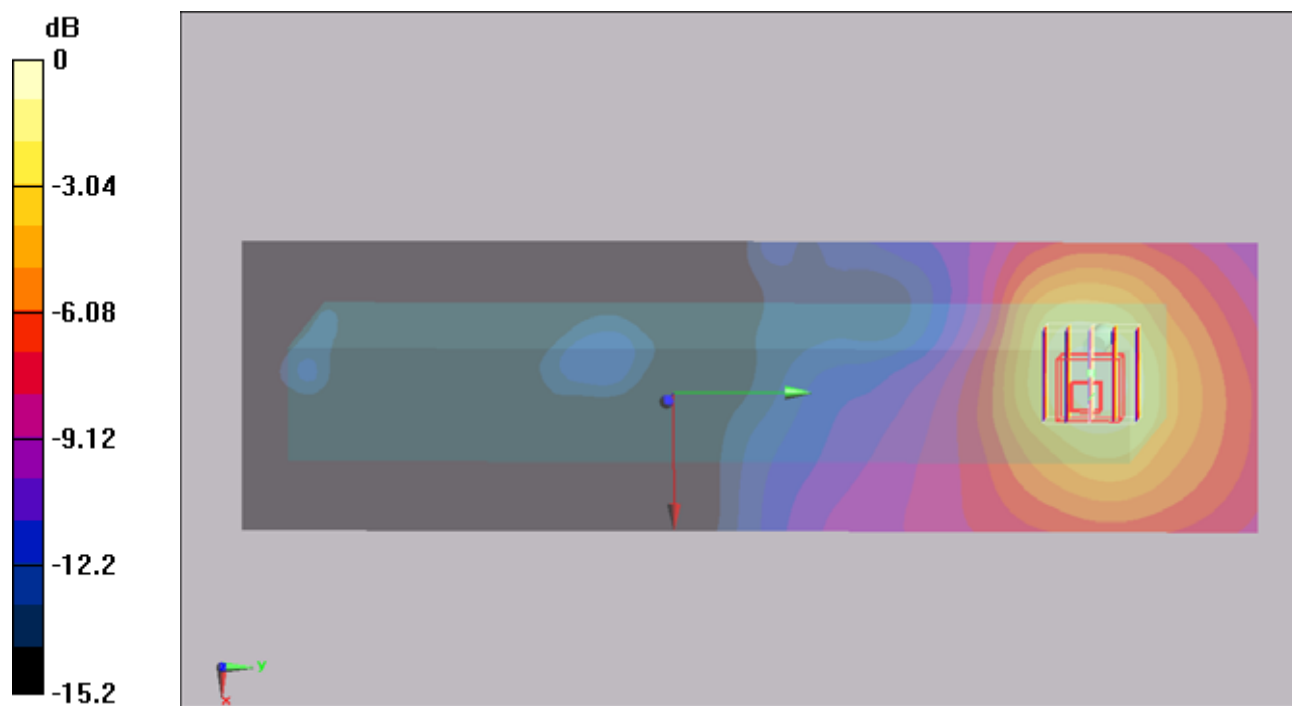
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.05 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.070 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.056 mW/g



#29 GSM1900_GPRS10_Secondary Landscape_0cm_Ch661_Ant Retracted

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.066 mW/g

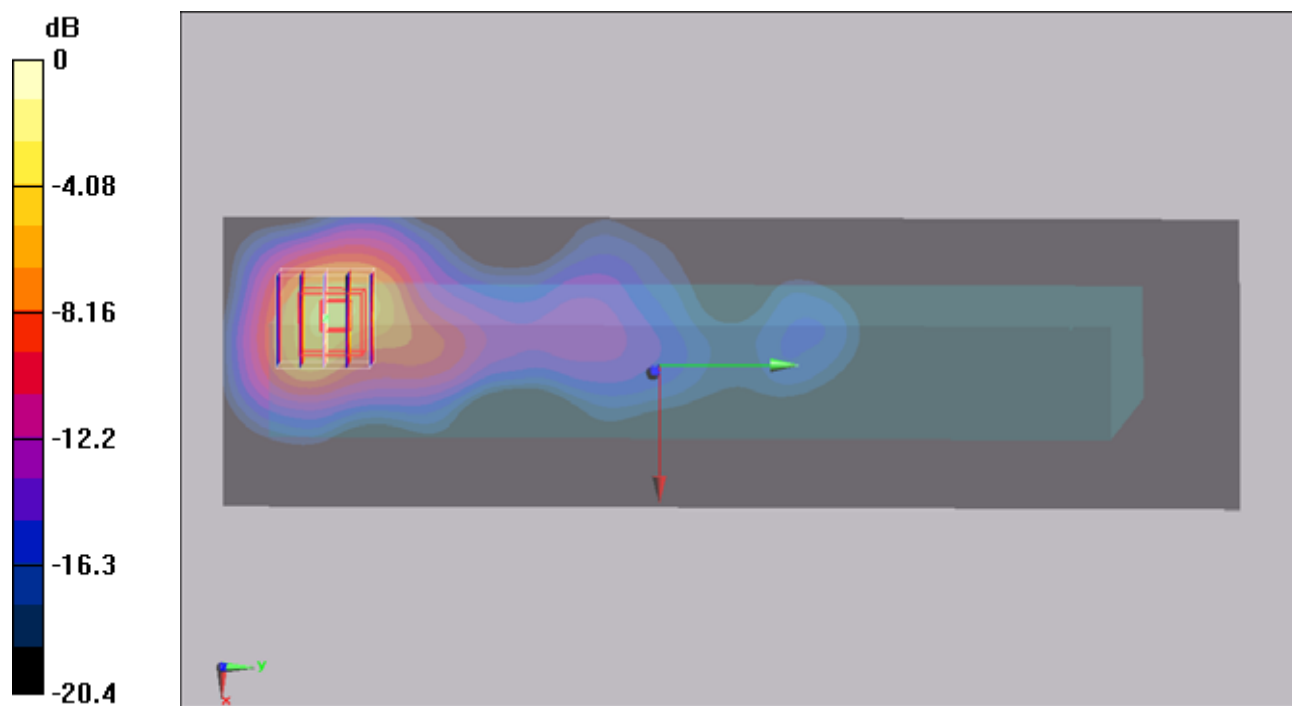
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.53 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.271 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.059 mW/g

Maximum value of SAR (measured) = 0.146 mW/g



0 dB = 0.146mW/g

#30 GSM1900_GPRS10_Primary Portrait_0cm_Ch661_Ant Extented

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.041 mW/g

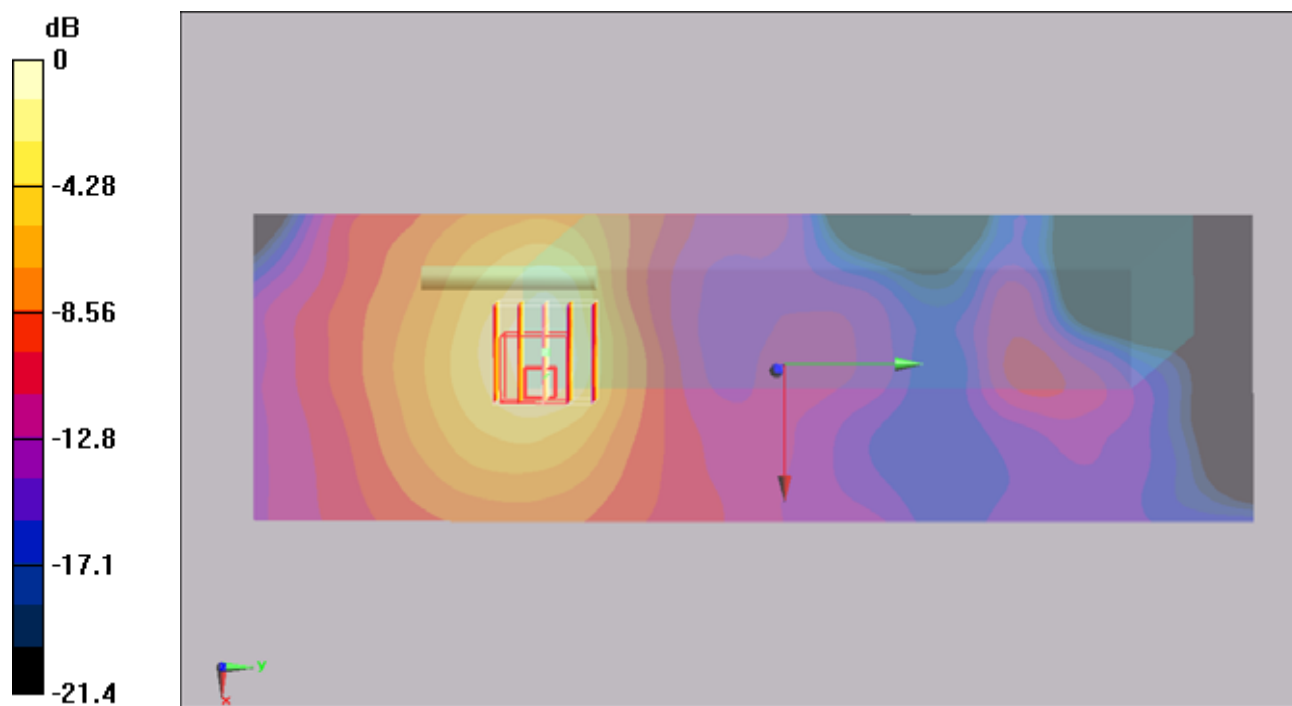
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.39 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.057 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



#31 GSM1900_GPRS10_Secondary Portrait_0cm_Ch661_Ant Extented

DUT: 050315

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.296 mW/g

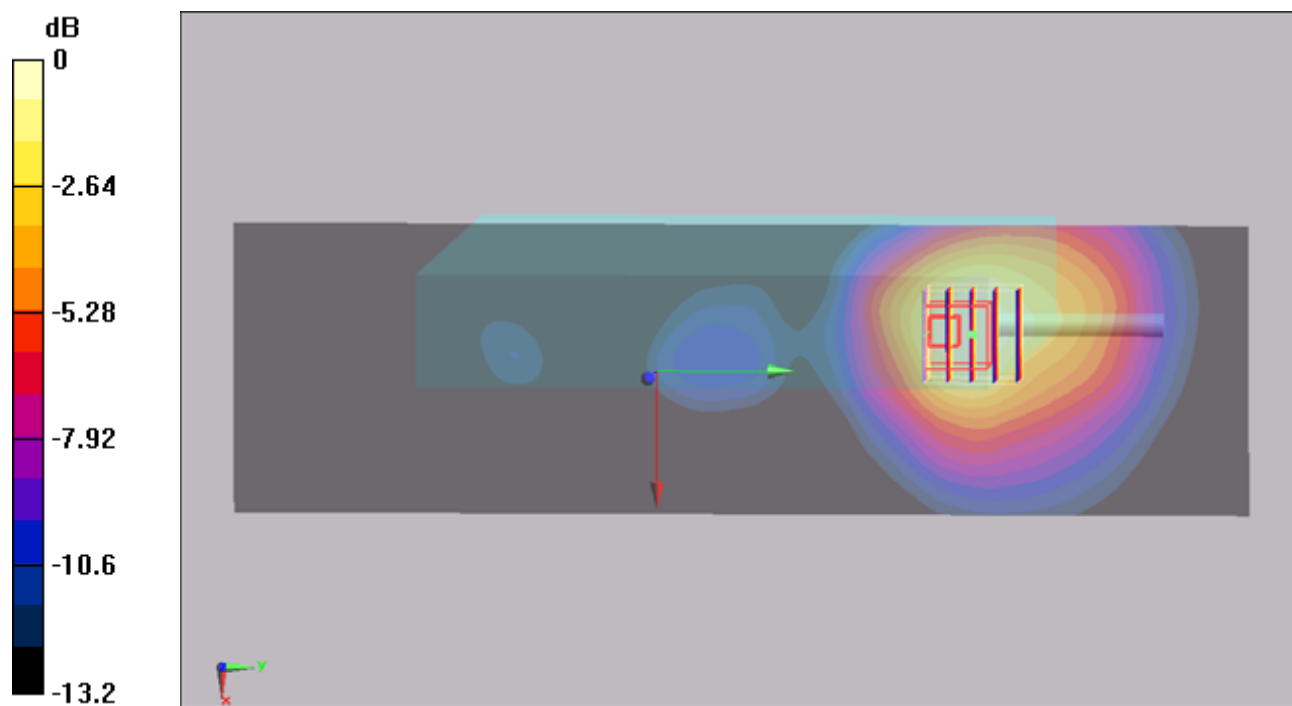
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.65 V/m; Power Drift = -0.156 dB

Peak SAR (extrapolated) = 0.336 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.278 mW/g



#01 WCDMA V_RMC12.2K_Bottom_0cm_Ch4182_Ant Retracted

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (141x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.00327 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.790 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.00405 W/kg

SAR(1 g) = 0.000923 mW/g; SAR(10 g) = 0.000606 mW/g

Maximum value of SAR (measured) = 0.00127 mW/g

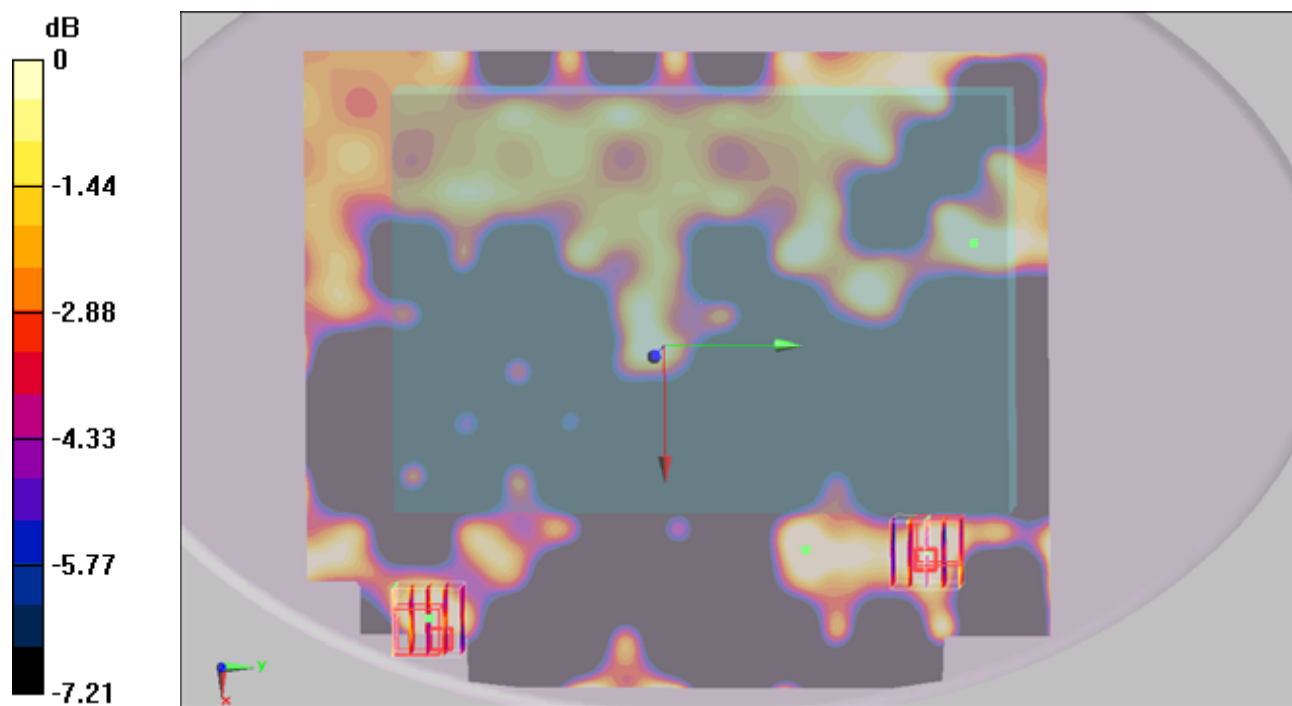
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.790 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.00247 W/kg

SAR(1 g) = 0.000726 mW/g; SAR(10 g) = 0.000525 mW/g

Maximum value of SAR (measured) = 0.00143 mW/g



#02 WCDMA V_RMC12.2K_Bottom_0cm_Ch4182_Ant Extented

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (151x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.27 mW/g

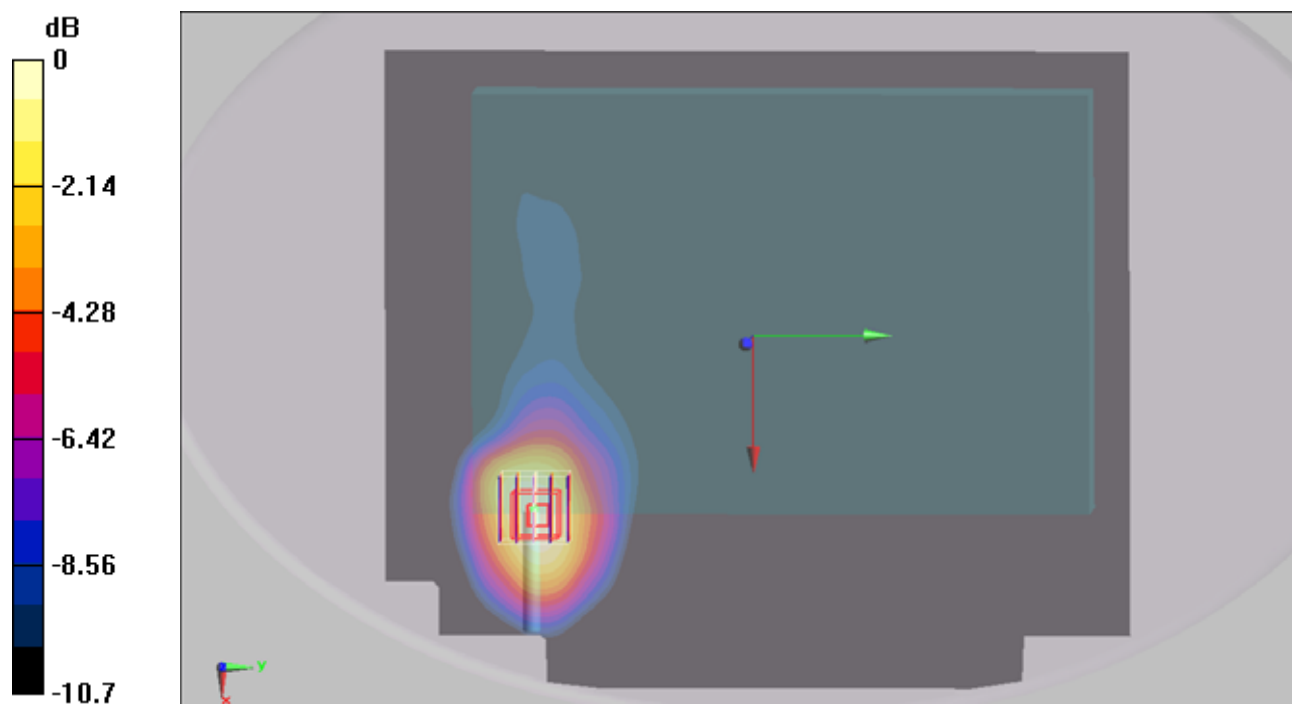
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.35 V/m; Power Drift = 0.00652 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.756 mW/g

Maximum value of SAR (measured) = 1.18 mW/g



0 dB = 1.18mW/g

#02 WCDMA V_RMC12.2K_Bottom_0cm_Ch4182_Ant Extented_2D

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (151x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.27 mW/g

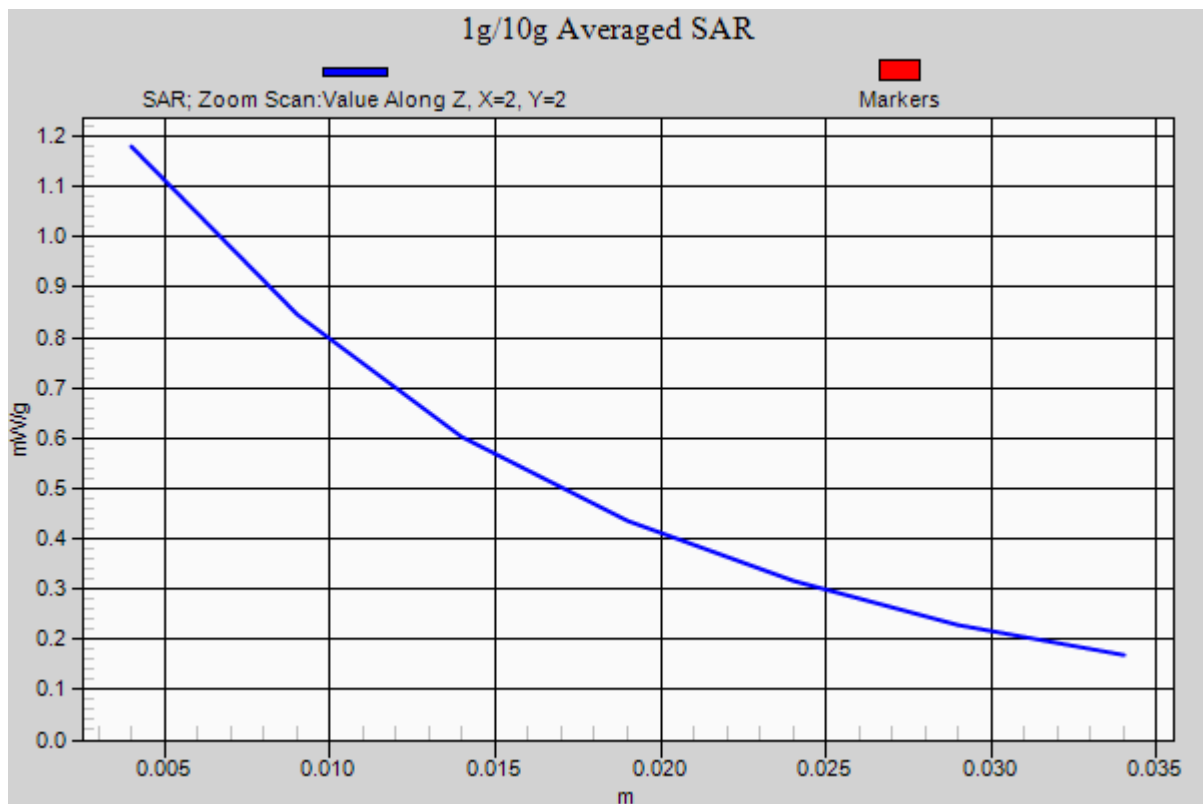
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.35 V/m; Power Drift = 0.00652 dB

Peak SAR (extrapolated) = 1.54 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.756 mW/g

Maximum value of SAR (measured) = 1.18 mW/g



#03 WCDMA V_RMC12.2K_Primary Landscape_0cm_Ch4182_Ant Extented

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.037 mW/g

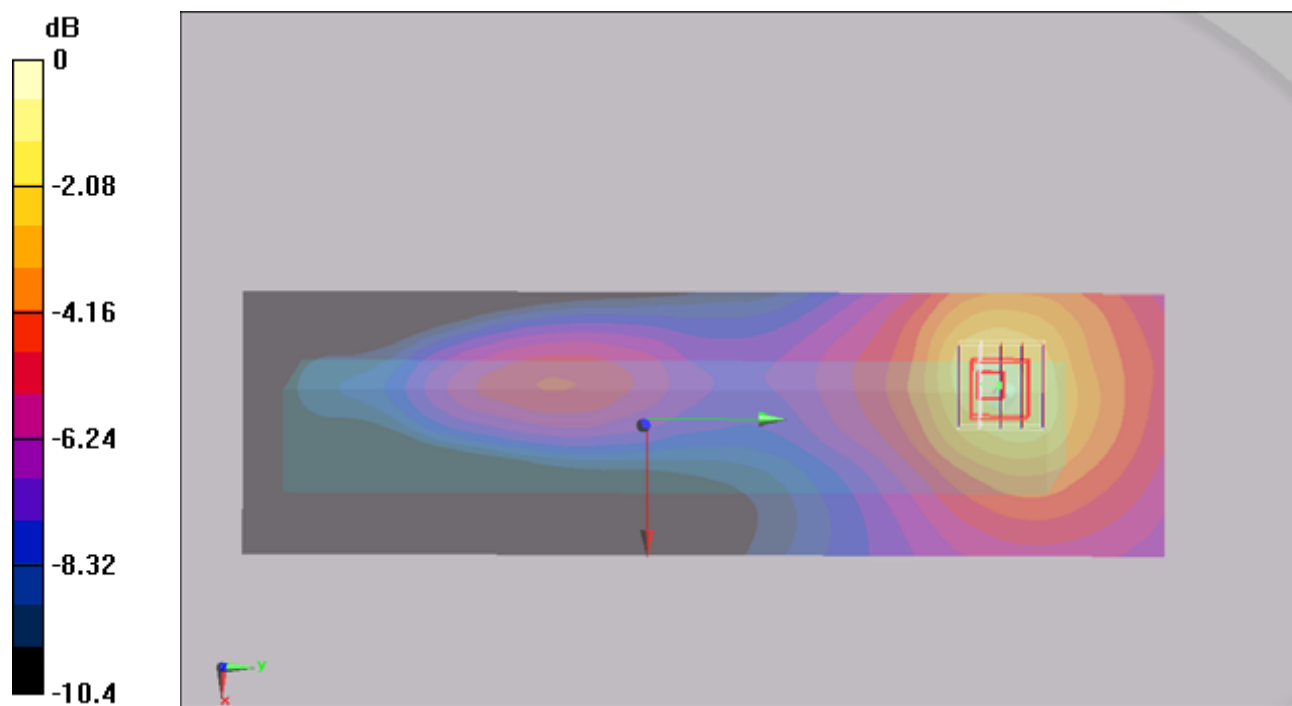
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.63 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.078 W/kg

SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.048 mW/g



#04 WCDMA V_RMC12.2K_Secondary Landscape_0cm_Ch4182_Ant Retracted

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.985$ mho/m; $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (51x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.00152 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.367 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.00238 W/kg

SAR(1 g) = 0.000581 mW/g; SAR(10 g) = 0.00024 mW/g

Maximum value of SAR (measured) = 0.000939 mW/g

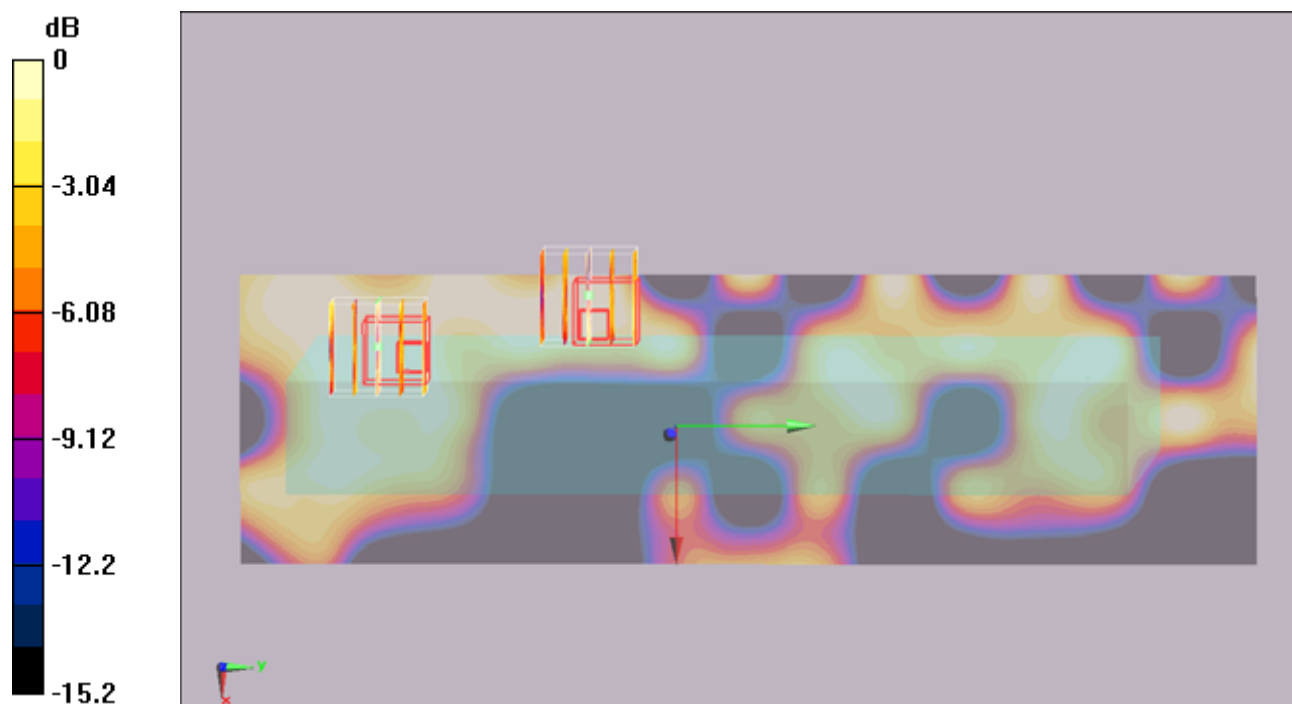
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.367 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.00236 W/kg

SAR(1 g) = 0.000431 mW/g; SAR(10 g) = 0.000234 mW/g

Maximum value of SAR (measured) = 0.000743 mW/g



#05 WCDMA V_RMC12.2K_Primary Portrait_0cm_Ch4182_Ant Extented

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.052 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.91 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.060 mW/g

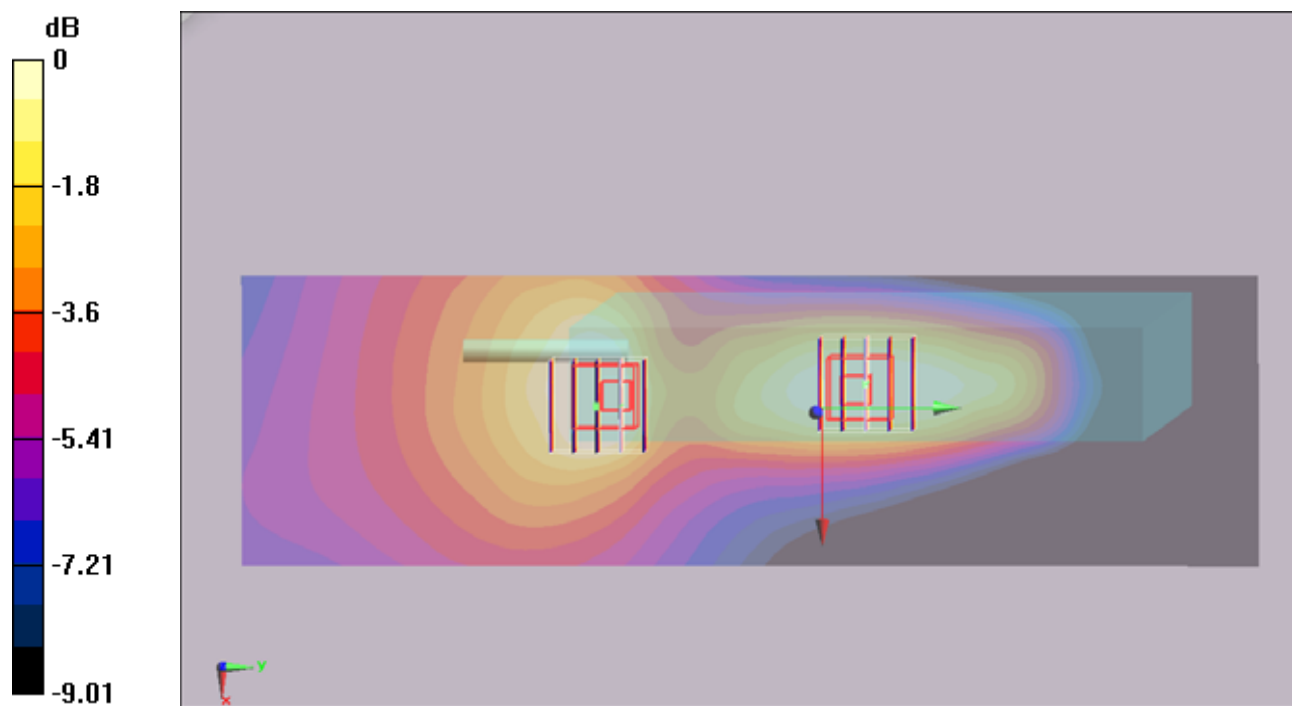
Ch4182/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.91 V/m; Power Drift = -0.032 dB

Peak SAR (extrapolated) = 0.054 W/kg

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.043 mW/g



0 dB = 0.043mW/g

#06 WCDMA V_RMC12.2K_Secondary Portrait_0cm_Ch4182_Ant Extented

DUT: 050315

Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_850_100515 Medium parameters used: $f = 836.4 \text{ MHz}$; $\sigma = 0.985 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch4182/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.821 mW/g

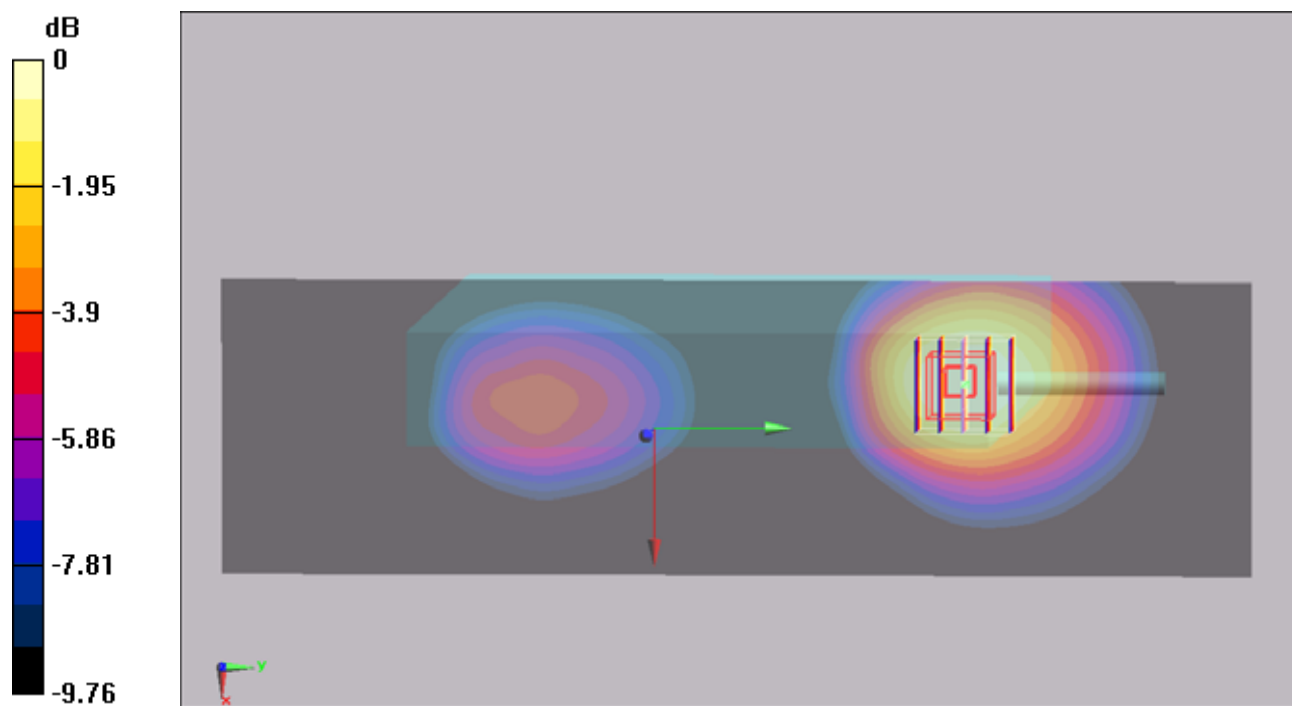
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.9 V/m; Power Drift = -0.107 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.723 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 0.769 mW/g



#36 WCDMA II_RMC12.2K_Bottom_0cm_Ch9400_Ant Retracted

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (141x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.016 mW/g

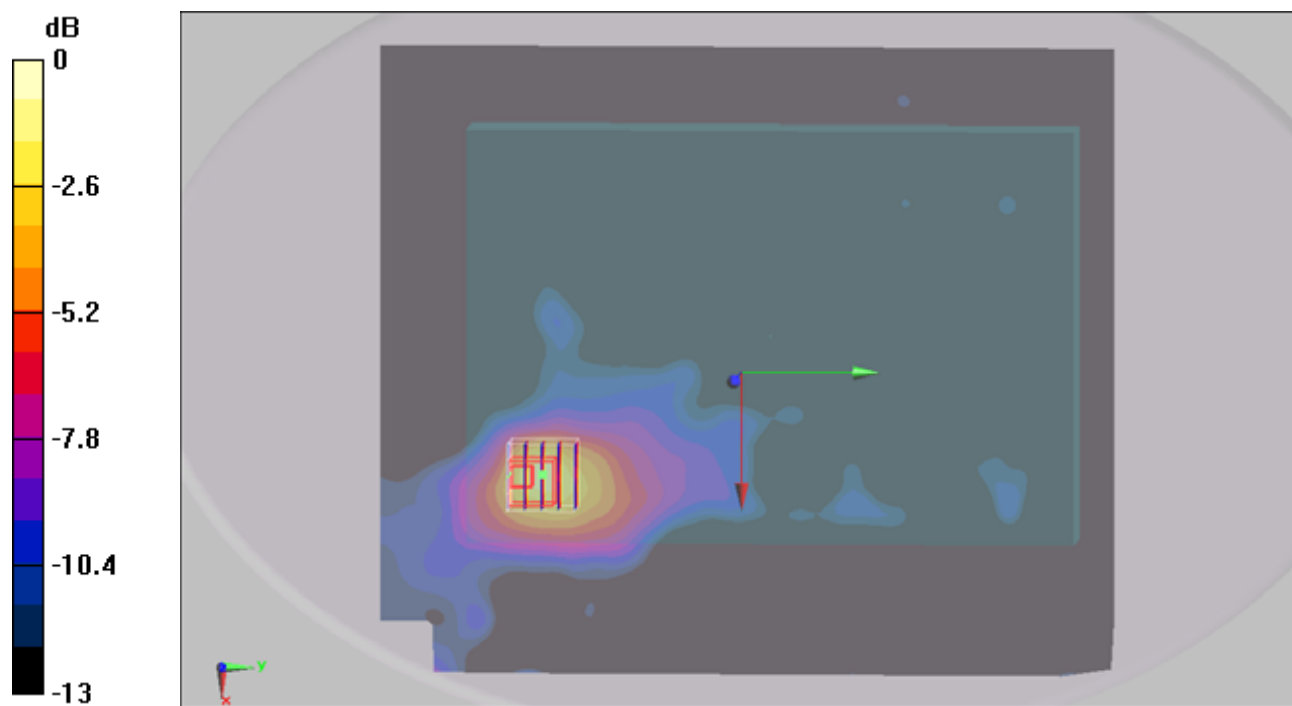
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.715 V/m; Power Drift = 0.101 dB

Peak SAR (extrapolated) = 0.034 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.021mW/g

#37 WCDMA II_RMC12.2K_Bottom_0cm_Ch9400_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (151x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.789 mW/g

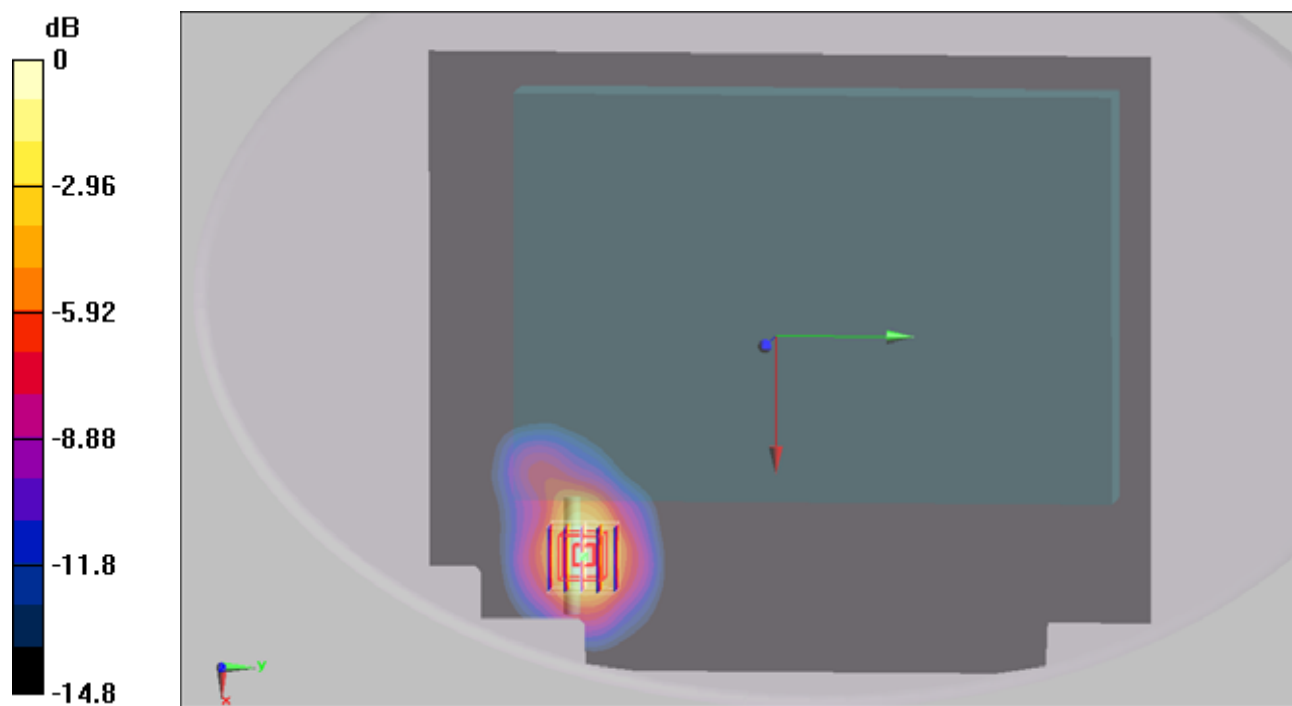
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.74 V/m; Power Drift = -0.166 dB

Peak SAR (extrapolated) = 0.962 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 0.781 mW/g



#37 WCDMA II_RMC12.2K_Bottom_0cm_Ch9400_Ant Extented_2D

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (151x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.789 mW/g

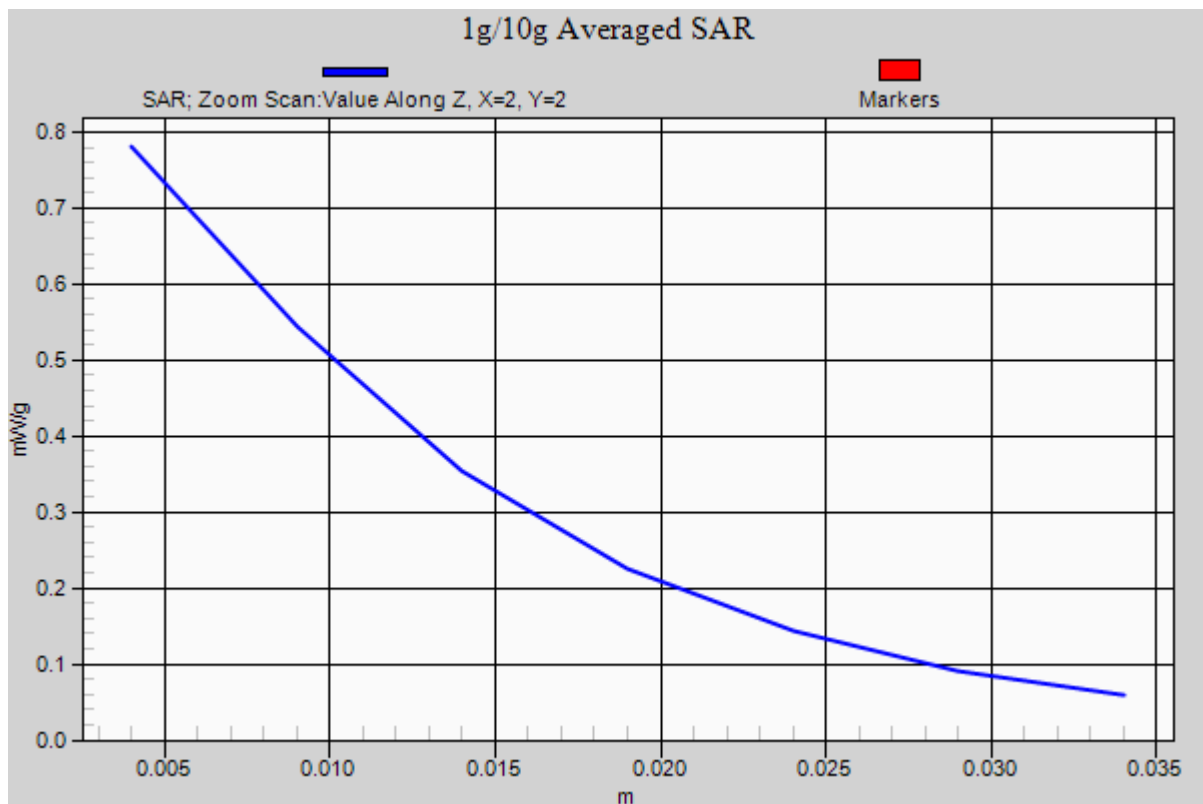
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.74 V/m; Power Drift = -0.166 dB

Peak SAR (extrapolated) = 0.962 W/kg

SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 0.781 mW/g



#38 WCDMA II_RMC12.2K_Primary Landscape_0cm_Ch9400_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (41x141x1): Measurement grid: $dx=25\text{mm}$, $dy=25\text{mm}$

Maximum value of SAR (interpolated) = 0.056 mW/g

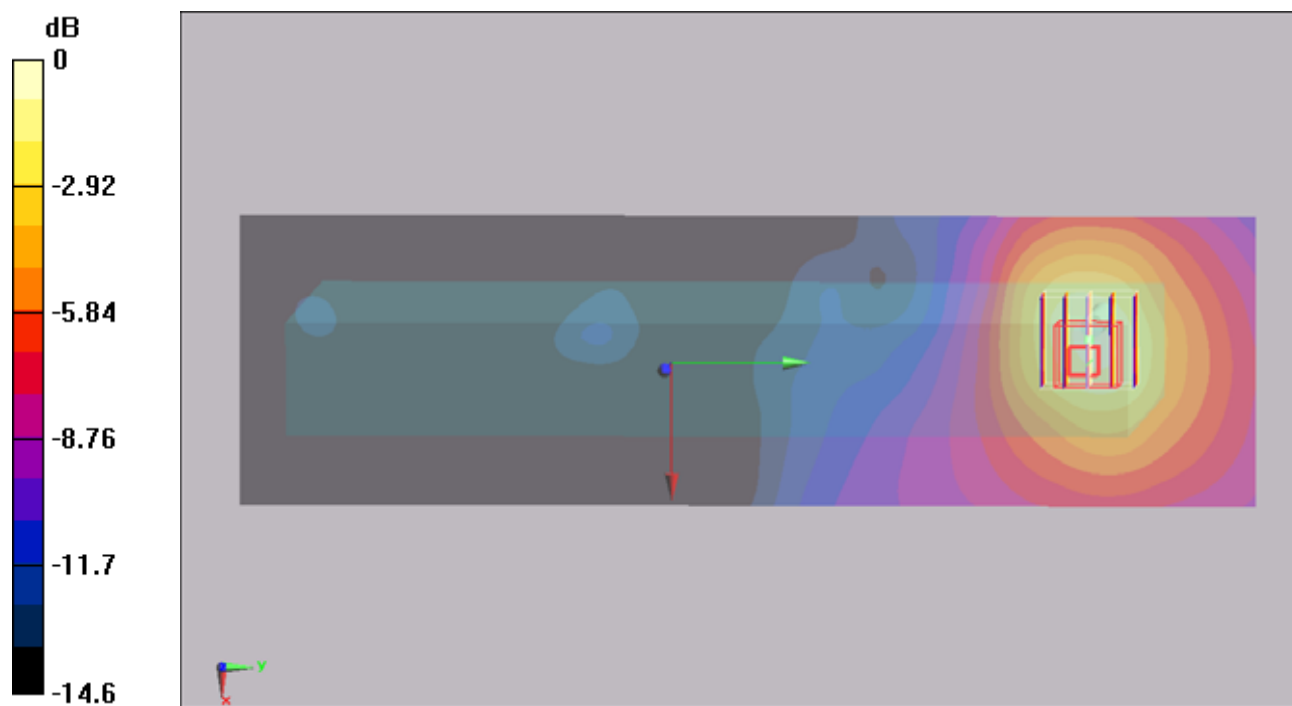
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.05 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.040 mW/g

Maximum value of SAR (measured) = 0.066 mW/g



0 dB = 0.066mW/g

#39 WCDMA II_RMC12.2K_Secondary Landscape_0cm_Ch9400_Ant Retracted

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.086 mW/g

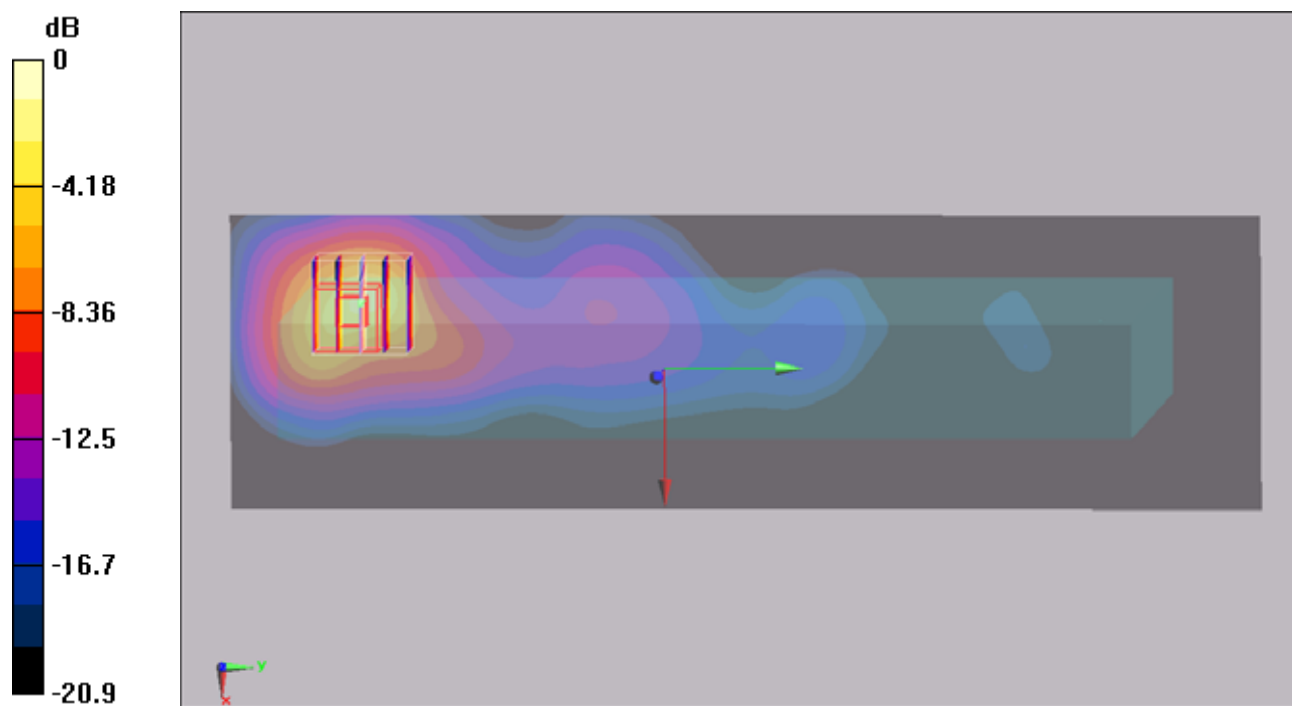
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.78 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.148mW/g

#40 WCDMA II_RMC12.2K_Primary Portrait_0cm_Ch9400_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.065 mW/g

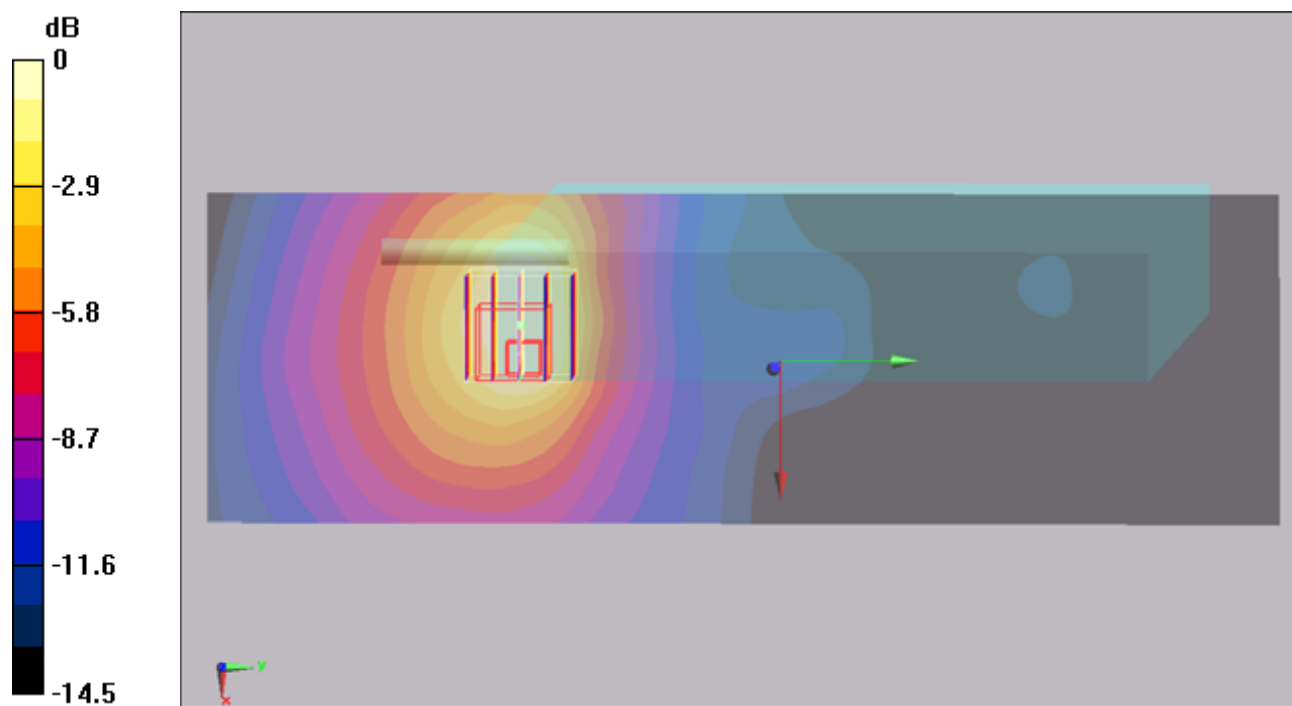
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.77 V/m; Power Drift = -0.015 dB

Peak SAR (extrapolated) = 0.073 W/kg

SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.058 mW/g



0 dB = 0.058mW/g

#41 WCDMA II_RMC12.2K_Secondary Portrait_0cm_Ch9400_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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 (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.341 mW/g

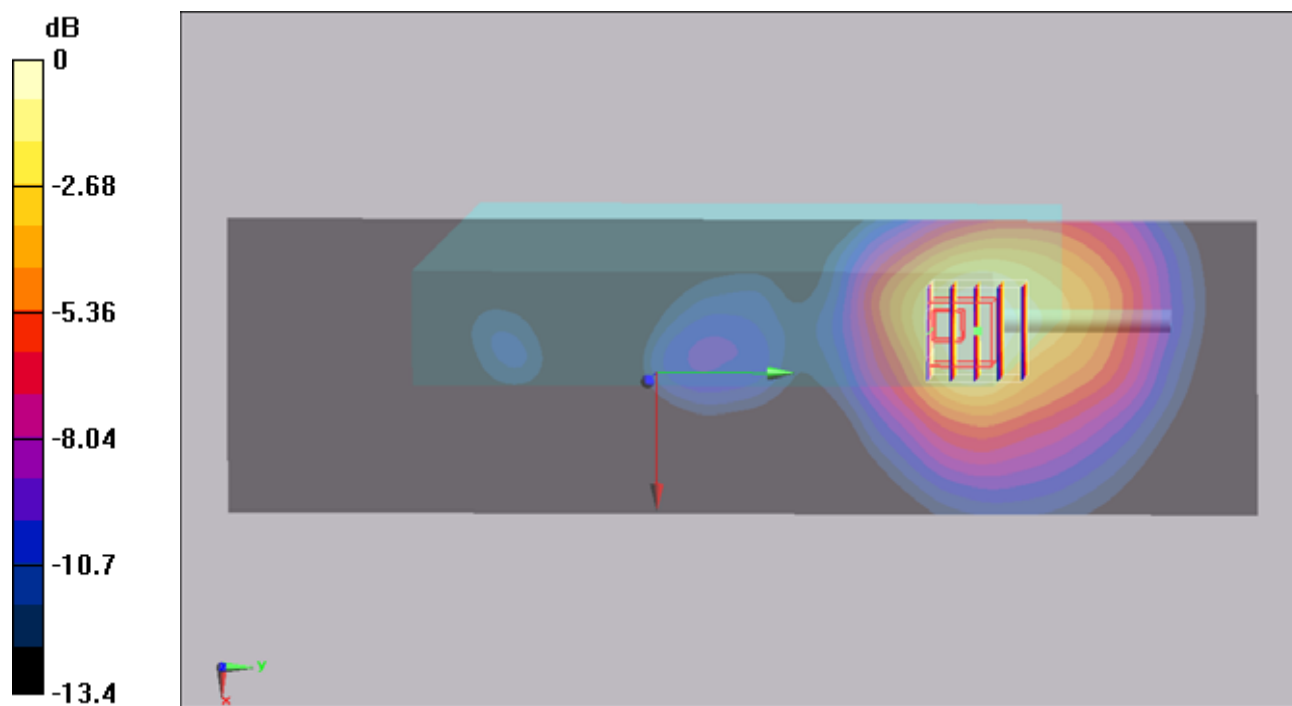
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.21 V/m; Power Drift = -0.153 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.321 mW/g



0 dB = 0.321mW/g

#56 CDMA2000 BC0_RC3+SO55_Bottom_0cm_Ch384_Ant Retracted

DUT: 050315

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 837$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 ; Liquid Temperature : 21.3

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (141x161x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.00215 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.639 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.00217 W/kg

SAR(1 g) = 0.000293 mW/g; SAR(10 g) = 8.74e-005 mW/g

Maximum value of SAR (measured) = 0.000895 mW/g

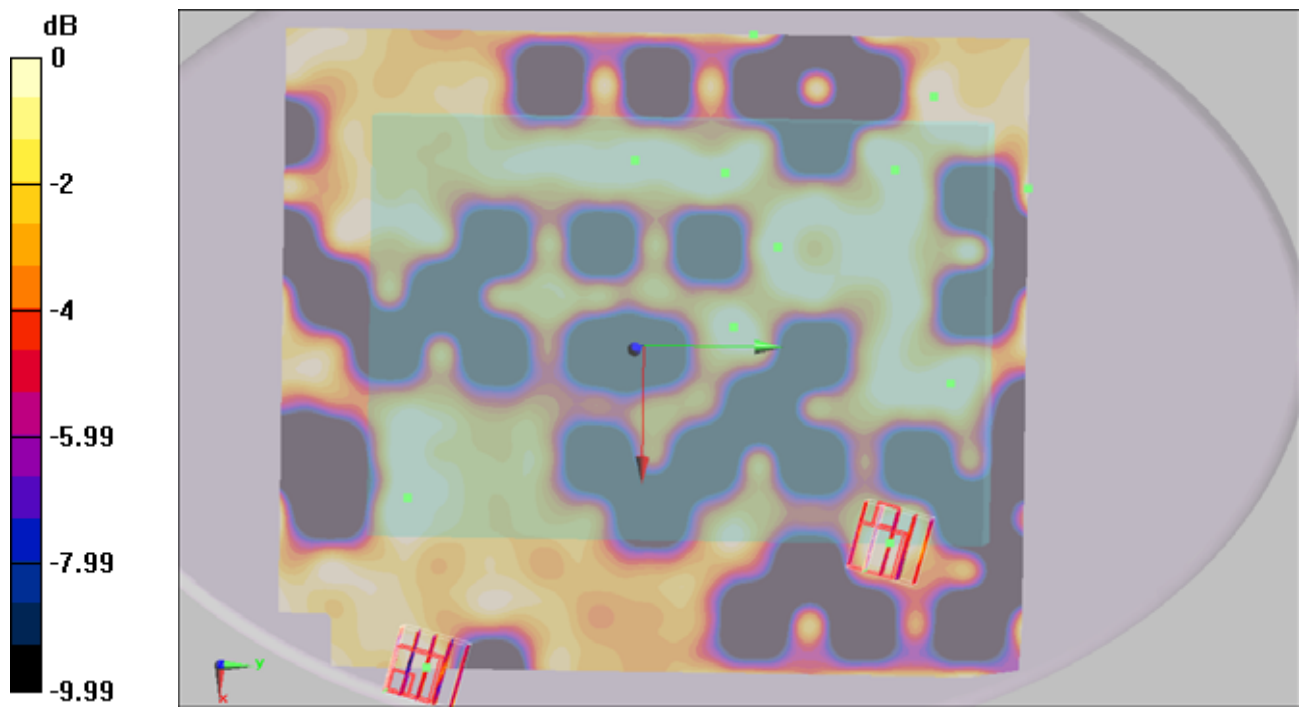
Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.639 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.00244 W/kg

SAR(1 g) = 0.00028 mW/g; SAR(10 g) = 5.65e-005 mW/g

Maximum value of SAR (measured) = 0.00118 mW/g



#62 CDMA2000 BC0_RC3+SO55_Bottom_0cm_Ch1013_Ant Extented

DUT: 050315

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 825 \text{ MHz}$; $\sigma = 0.954 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch1013/Area Scan (81x61x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 1.39 mW/g

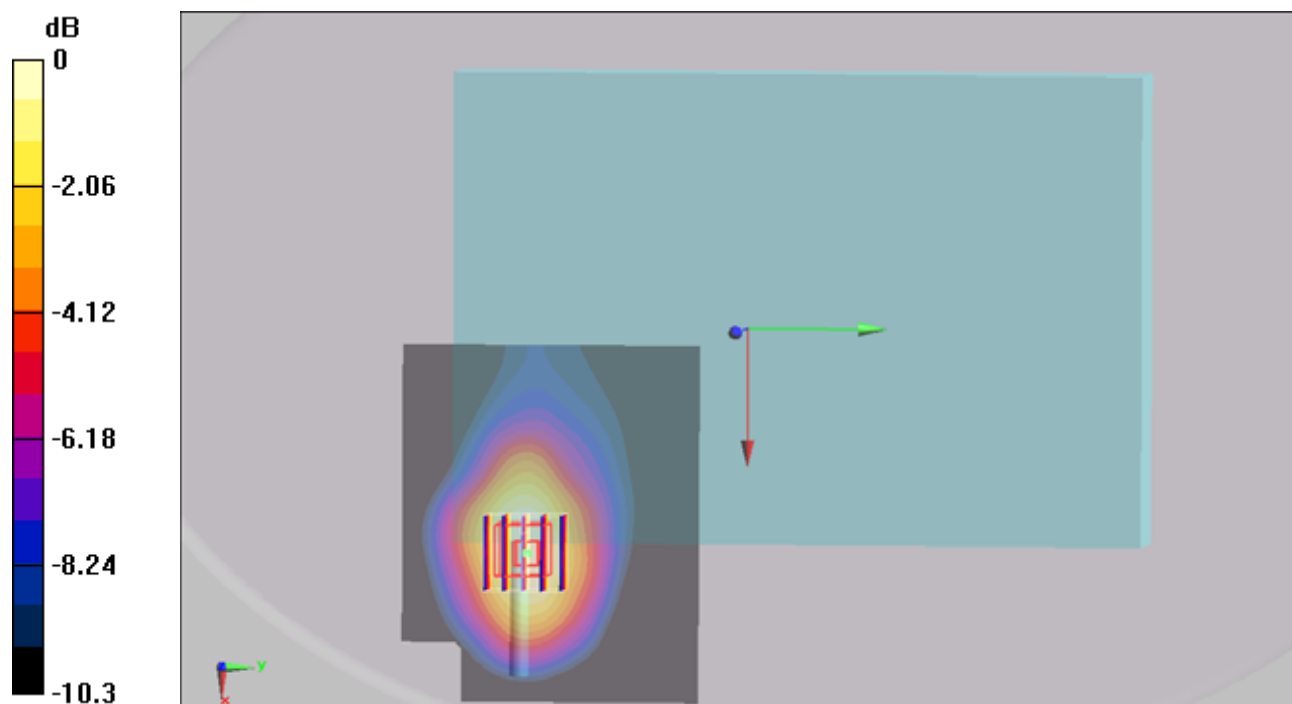
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.17 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.783 mW/g

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



#62 CDMA2000 BC0_RC3+SO55_Bottom_0cm_Ch1013_Ant Extented_2D

DUT: 050315

Communication System: CDMA ; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 825$ MHz; $\sigma = 0.954$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch1013/Area Scan (81x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.39 mW/g

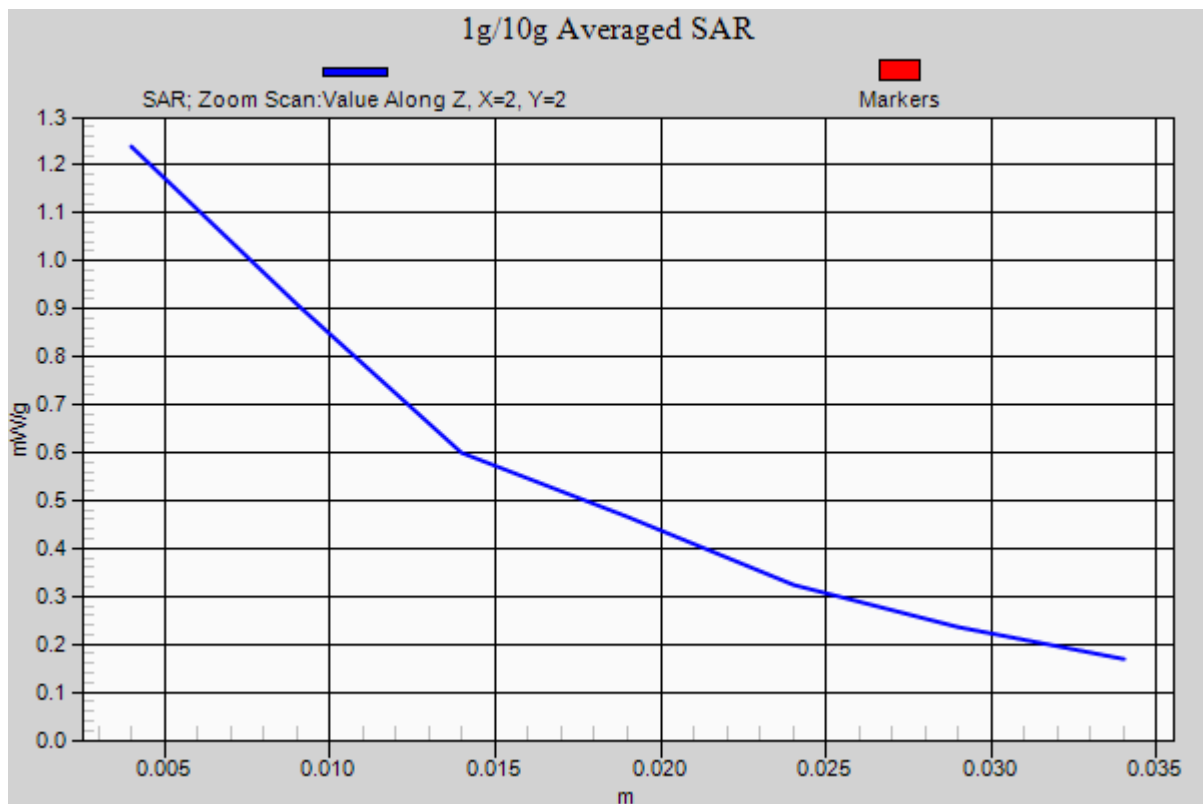
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.17 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 1.63 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.783 mW/g

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



#58 CDMA2000 BC0_RC3+SO55_Primary Landscape_0cm_Ch384_Ant Extended

DUT: 050315

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (81x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.030 mW/g

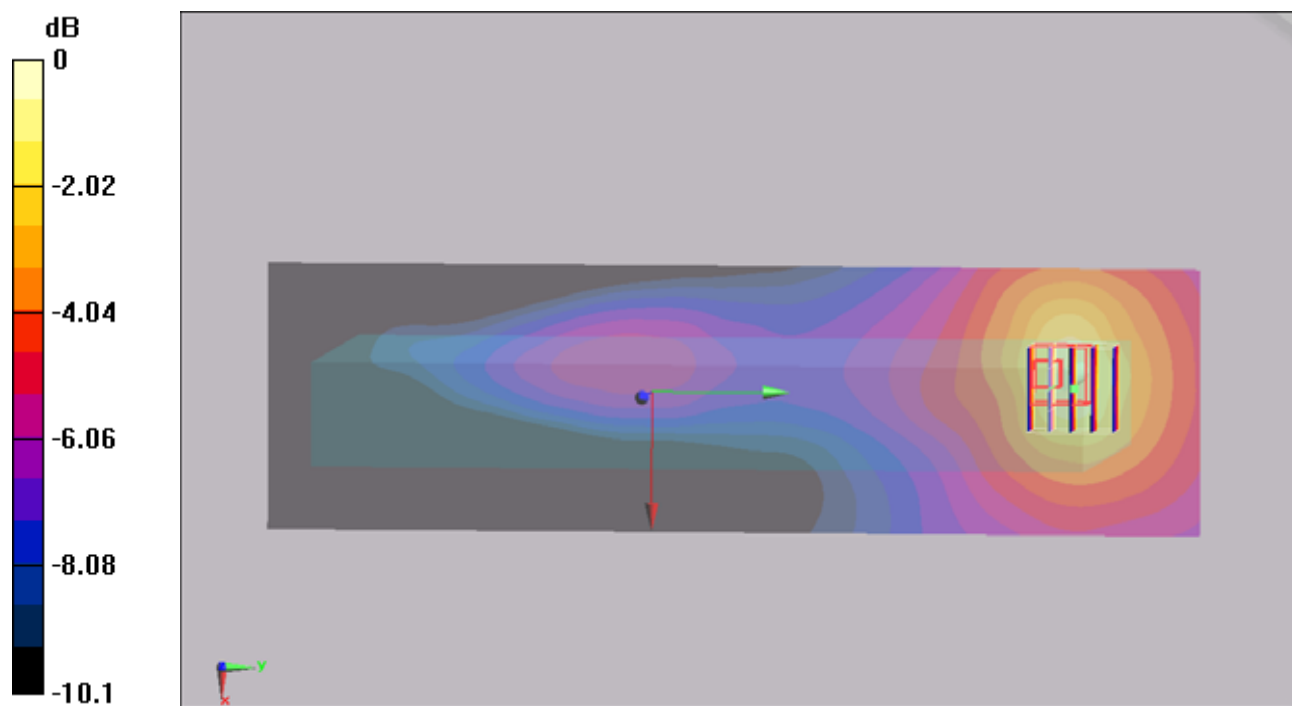
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.15 V/m; Power Drift = 0.161 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.035 mW/g



0 dB = 0.035mW/g

#59 CDMA2000 BC0_RC3+SO55_Secondary Landscape_0cm_Ch384_Ant Retracted

DUT: 050315

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (41x141x1): Measurement grid: $dx=25\text{mm}$, $dy=25\text{mm}$

Maximum value of SAR (interpolated) = 0.00187 mW/g

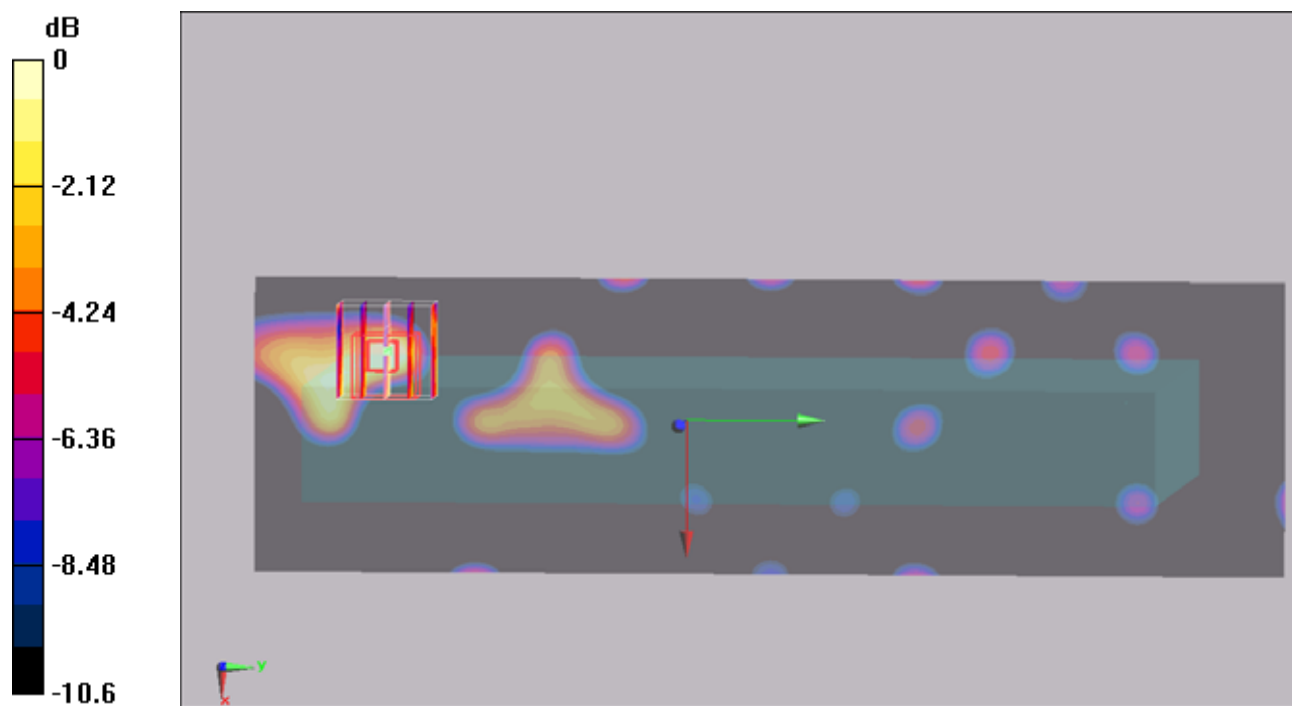
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.640 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 0.00303 W/kg

SAR(1 g) = 0.00142 mW/g; SAR(10 g) = 0.000921 mW/g

Maximum value of SAR (measured) = 0.00158 mW/g



#60 CDMA2000 BC0_RC3+SO55_Primary Portrait_0cm_Ch384_Ant Extented

DUT: 050315

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.6 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (51x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.030 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.52 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.030 mW/g

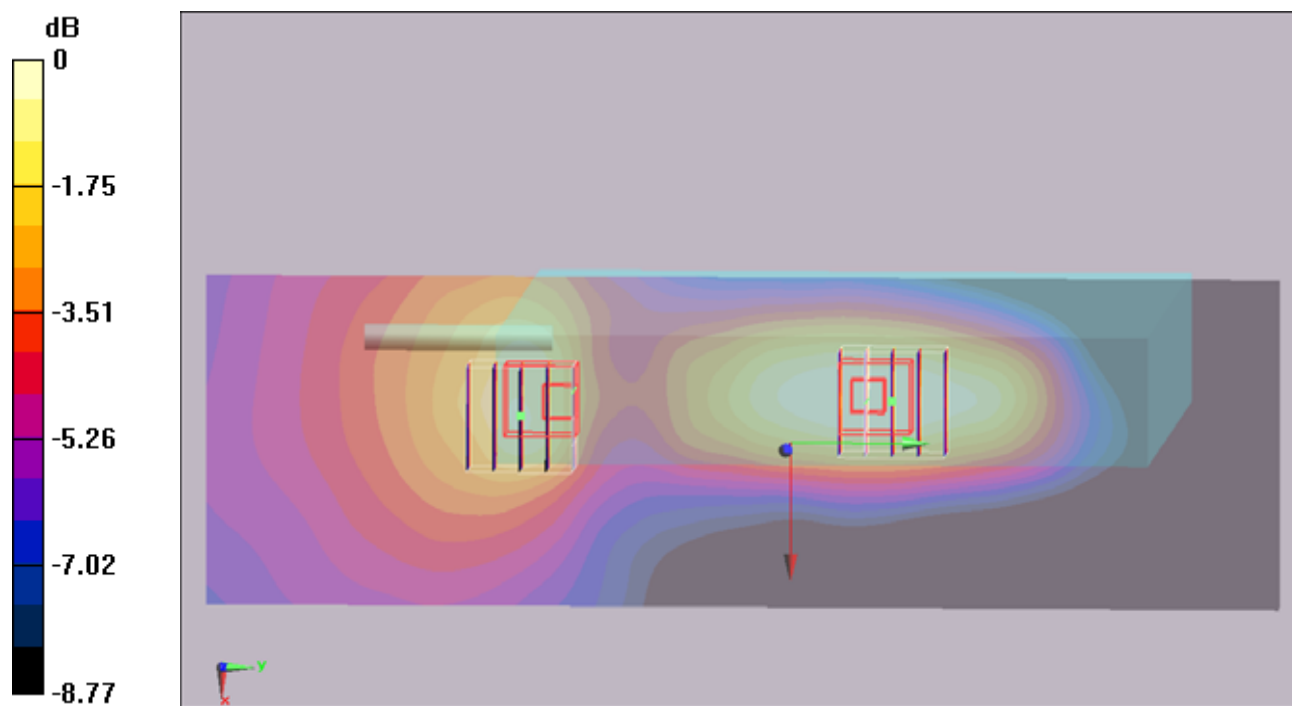
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.52 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.029 mW/g



0 dB = 0.029mW/g

#61 CDMA2000 BC0_RC3+SO55_Secondary Portrait_0cm_Ch384_Ant Extented

DUT: 050315

Communication System: CDMA ; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: MSL_850_100518 Medium parameters used: $f = 837 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.4 ; Liquid Temperature : 21.4

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.523 mW/g

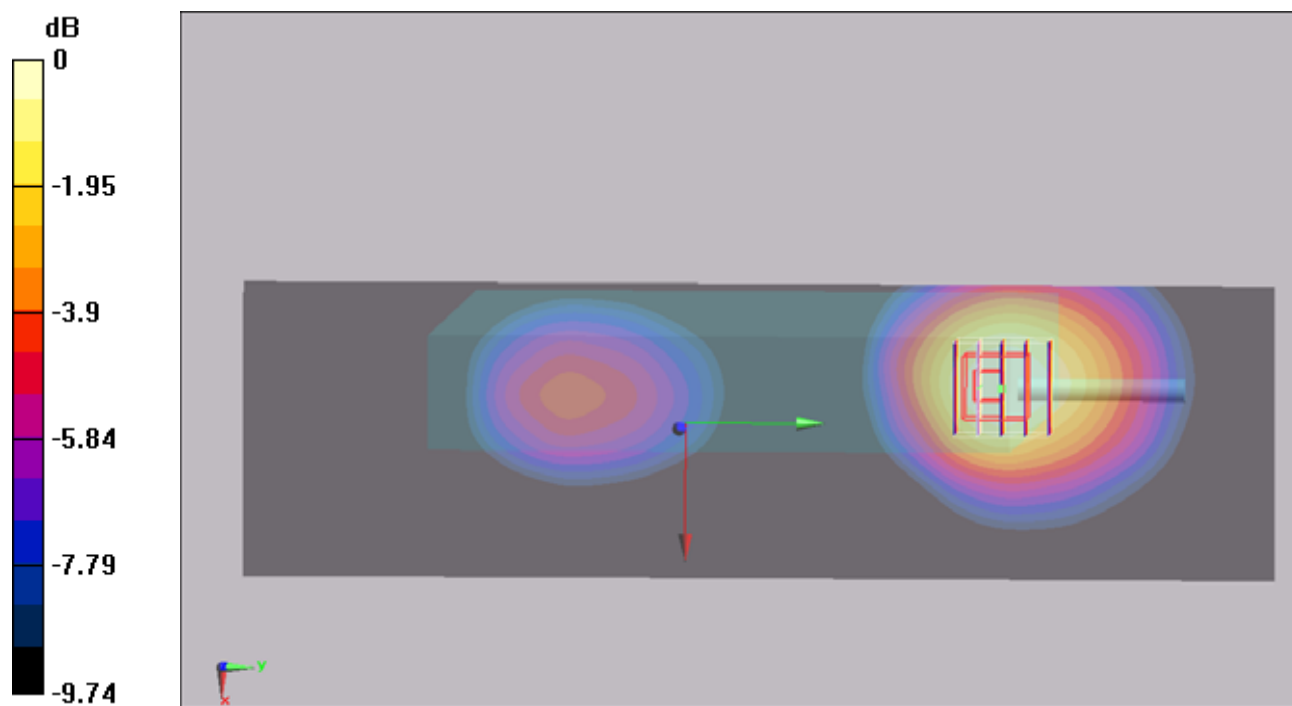
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 9.13 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.598 W/kg

SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 0.483 mW/g



#46 CDMA2000 BC1_RC3+SO55_Bottom_0cm_Ch600_Ant Retracted

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (141x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.00912 mW/g

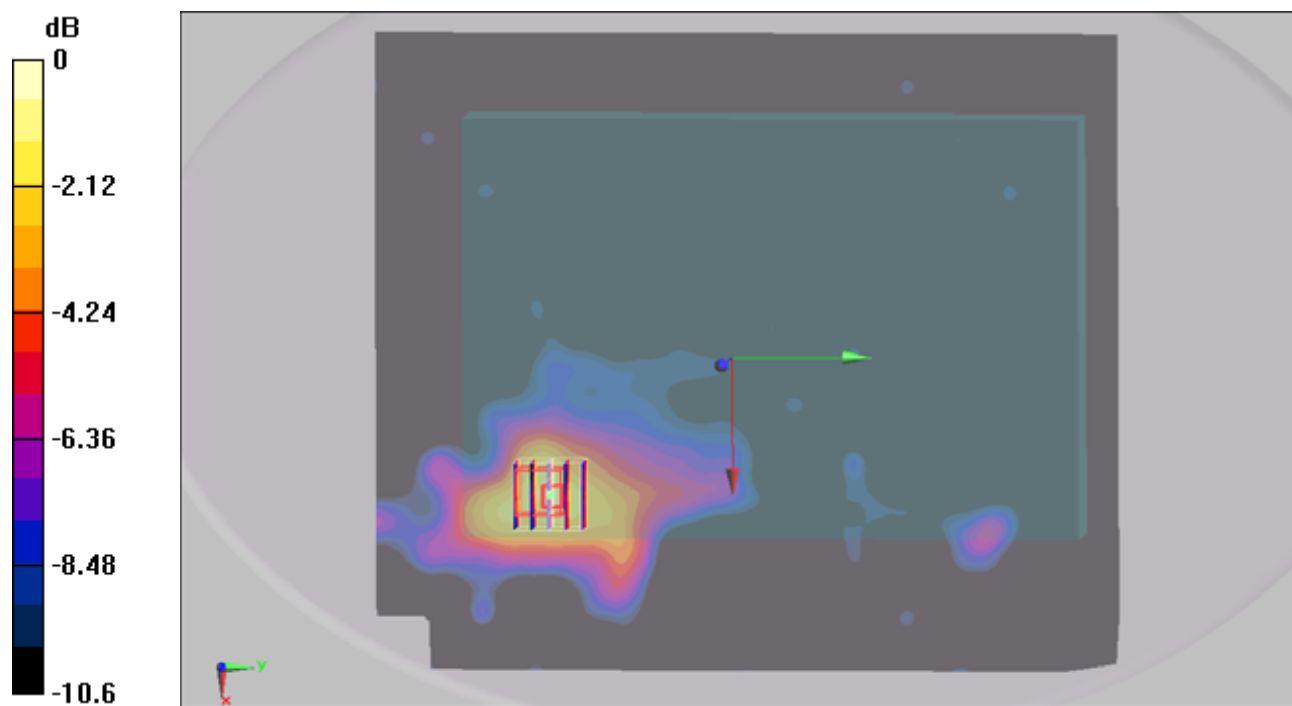
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.792 V/m; Power Drift = -0.173 dB

Peak SAR (extrapolated) = 0.016 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00674 mW/g

Maximum value of SAR (measured) = 0.012 mW/g



#47 CDMA2000 BC1_RC3+SO55_Bottom_0cm_Ch600_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (151x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.700 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.63 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.702 mW/g

#47 CDMA2000 BC1_RC3+SO55_Bottom_0cm_Ch600_Ant Extended_2D

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (151x181x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.700 mW/g

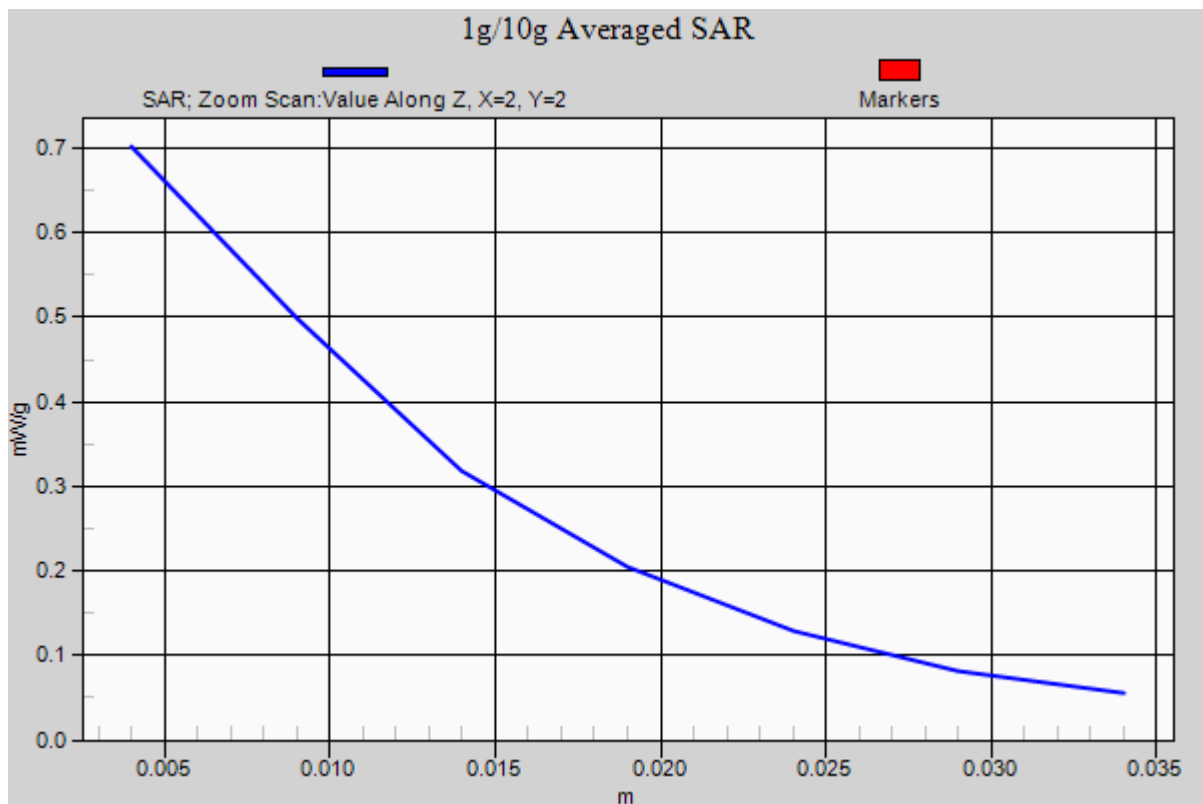
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

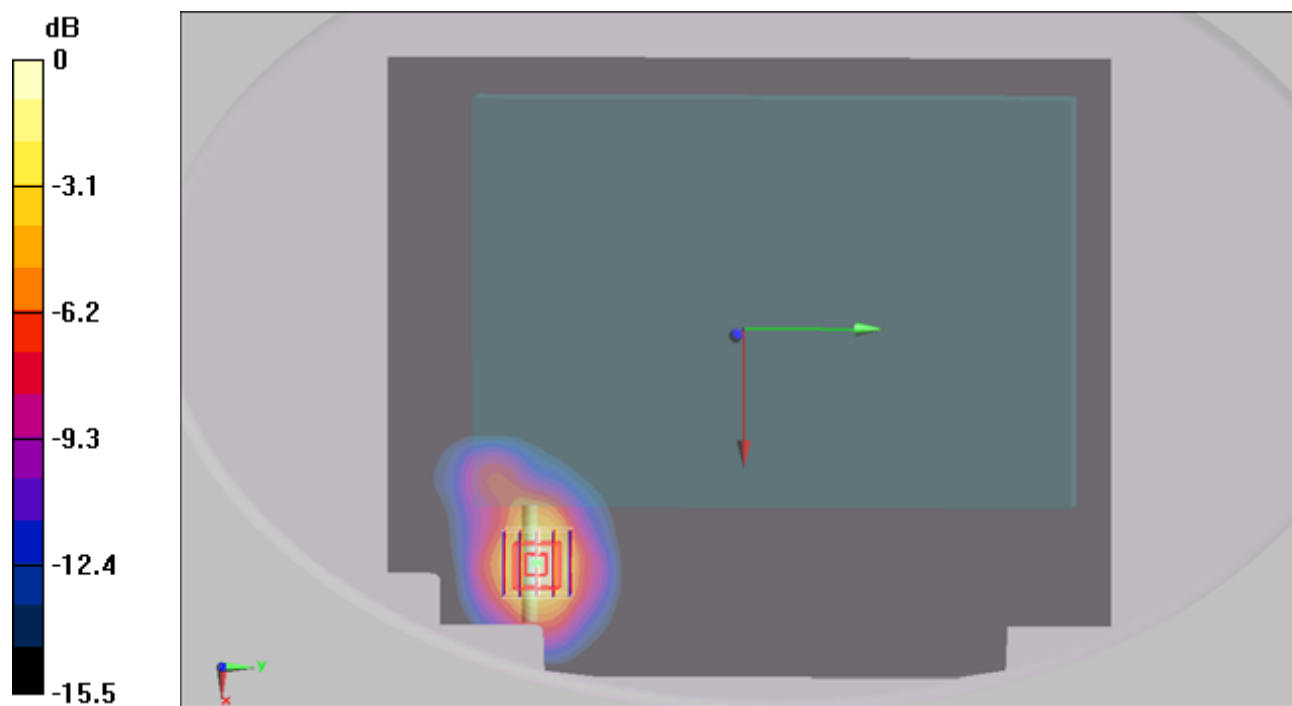
Reference Value = 1.63 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.702 mW/g





#48 CDMA2000 BC1_RC3+SO55_Primary Landscape_0cm_Ch600_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.049 mW/g

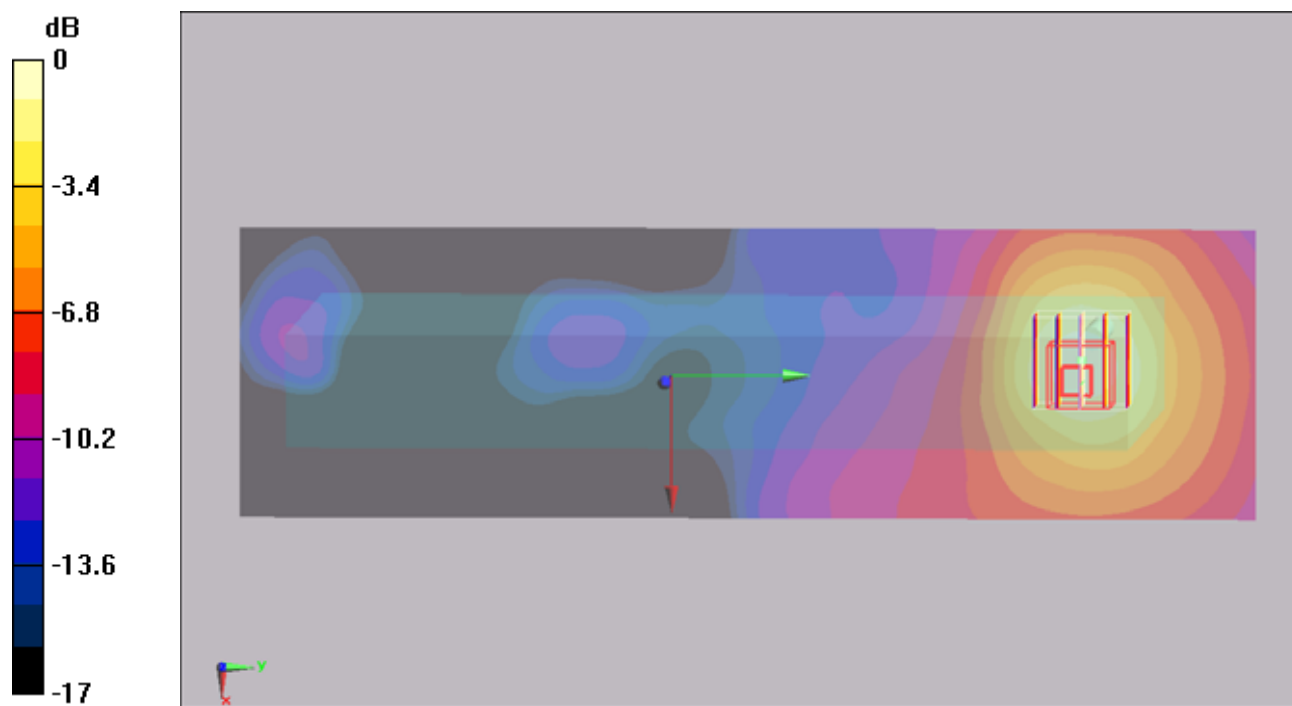
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 0.950 V/m; Power Drift = -0.189 dB

Peak SAR (extrapolated) = 0.068 W/kg

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



#49 CDMA2000 BC1_RC3+SO55_Secondary Landscape_0cm_Ch600_Ant Retracted

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.076 mW/g

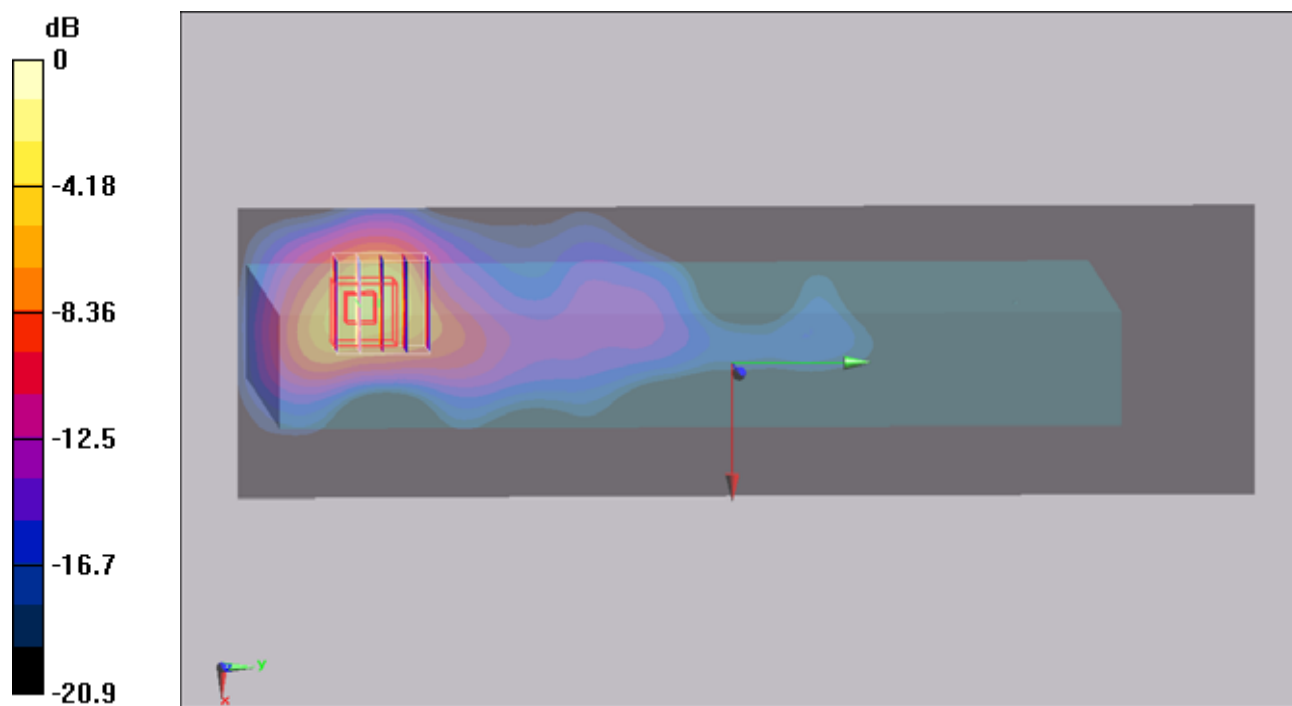
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.65 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.279 W/kg

SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.153 mW/g



0 dB = 0.153mW/g

#50 CDMA2000 BC1_RC3+SO55_Primary Portrait_0cm_Ch600_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (51x161x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.064 mW/g

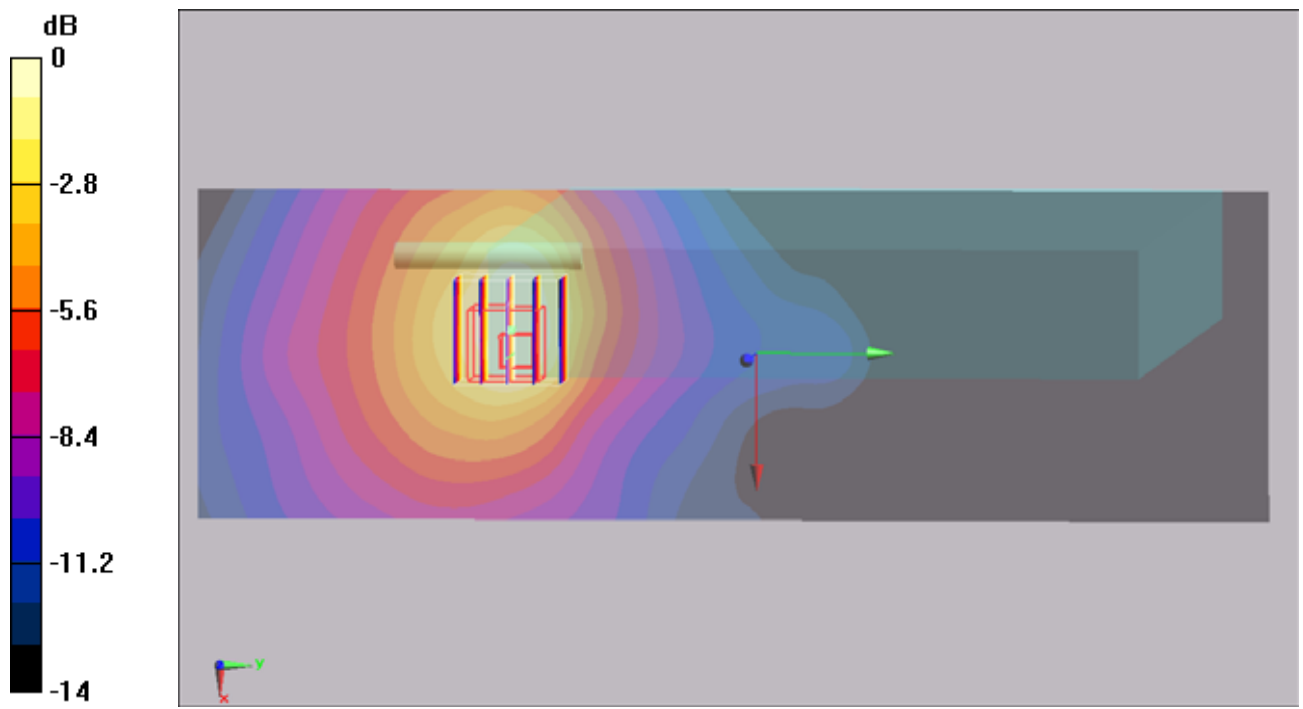
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.87 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.057 mW/g



0 dB = 0.057mW/g

#51 CDMA2000 BC1_RC3+SO55_Secondary Portrait_0cm_Ch600_Ant Extented

DUT: 050315

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

Medium: MSL_1900_100515 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 ; Liquid Temperature : 21.5

DASY5 Configuration:

- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (51x181x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.233 mW/g

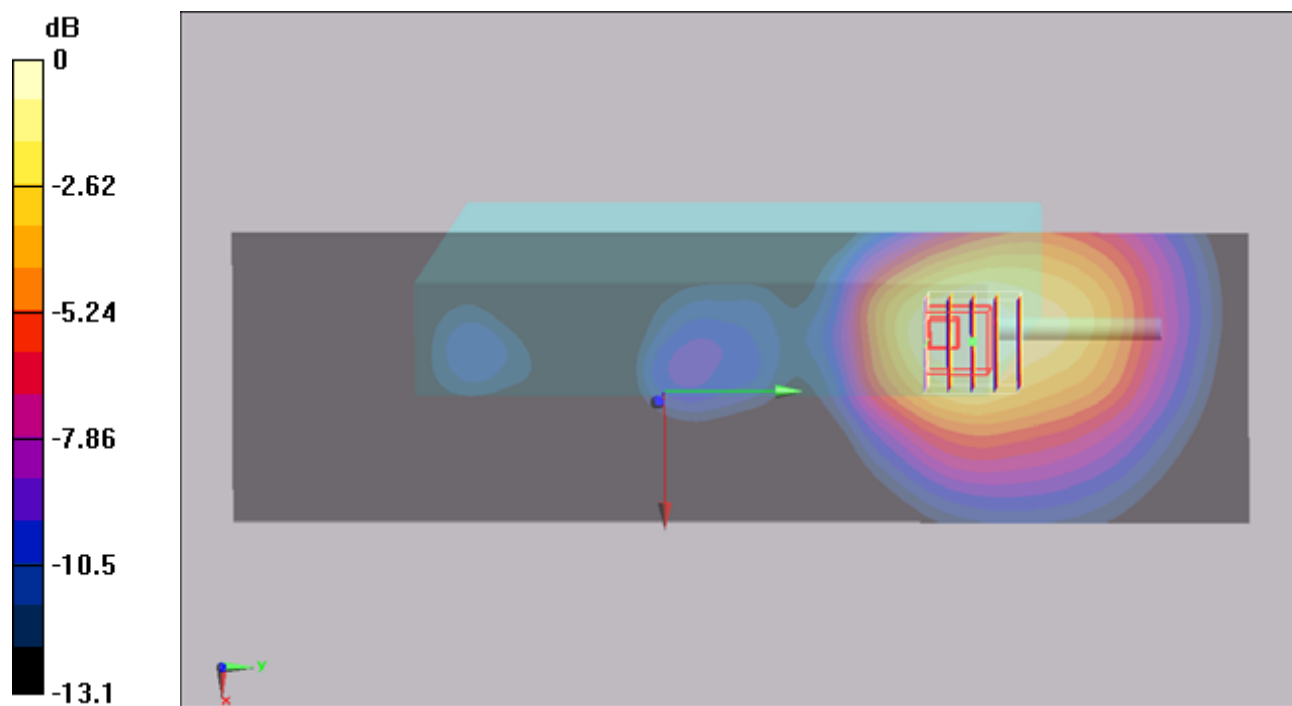
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 4.64 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.231 mW/g



0 dB = 0.231mW/g