

## #145 LTE Band 17\_QPSK(1-49)\_Front Face\_1cm\_Ch23790\_Earphone

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.097 mW/g

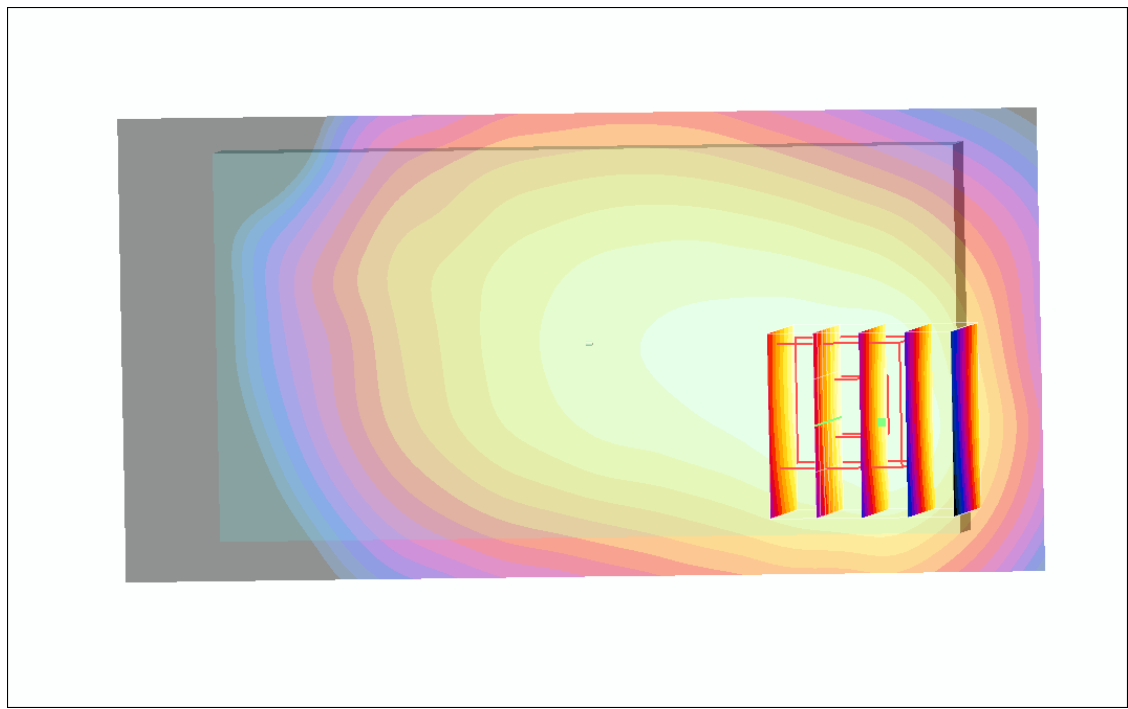
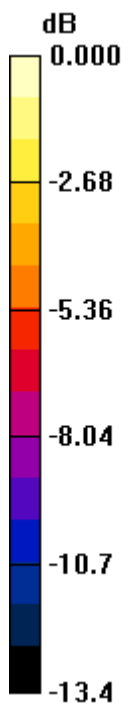
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.73 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 0.107 W/kg

**SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.061 mW/g**

Maximum value of SAR (measured) = 0.087 mW/g



0 dB = 0.087mW/g

## #161 LTE Band 17\_16QAM(25-13)\_Front Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.123 mW/g

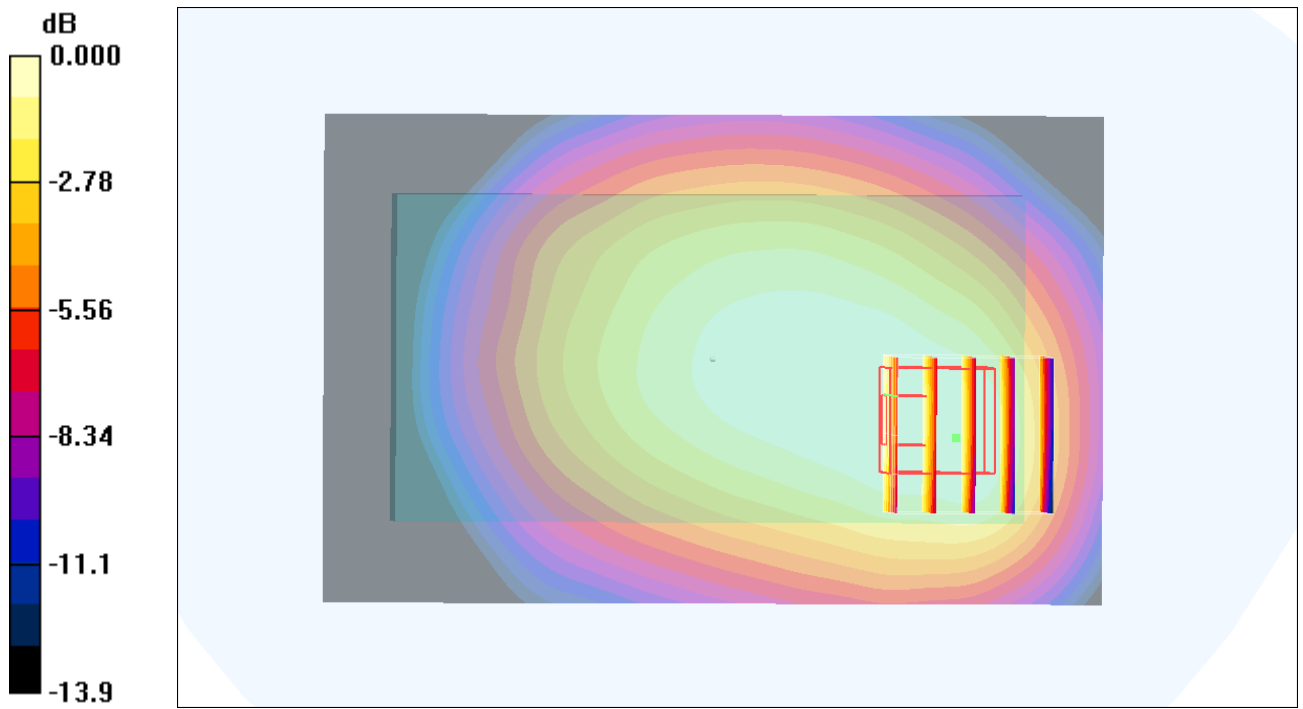
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.7 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.118 mW/g



0 dB = 0.118mW/g

## #162 LTE Band 17\_16QAM(1-0)\_Front Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.125 mW/g

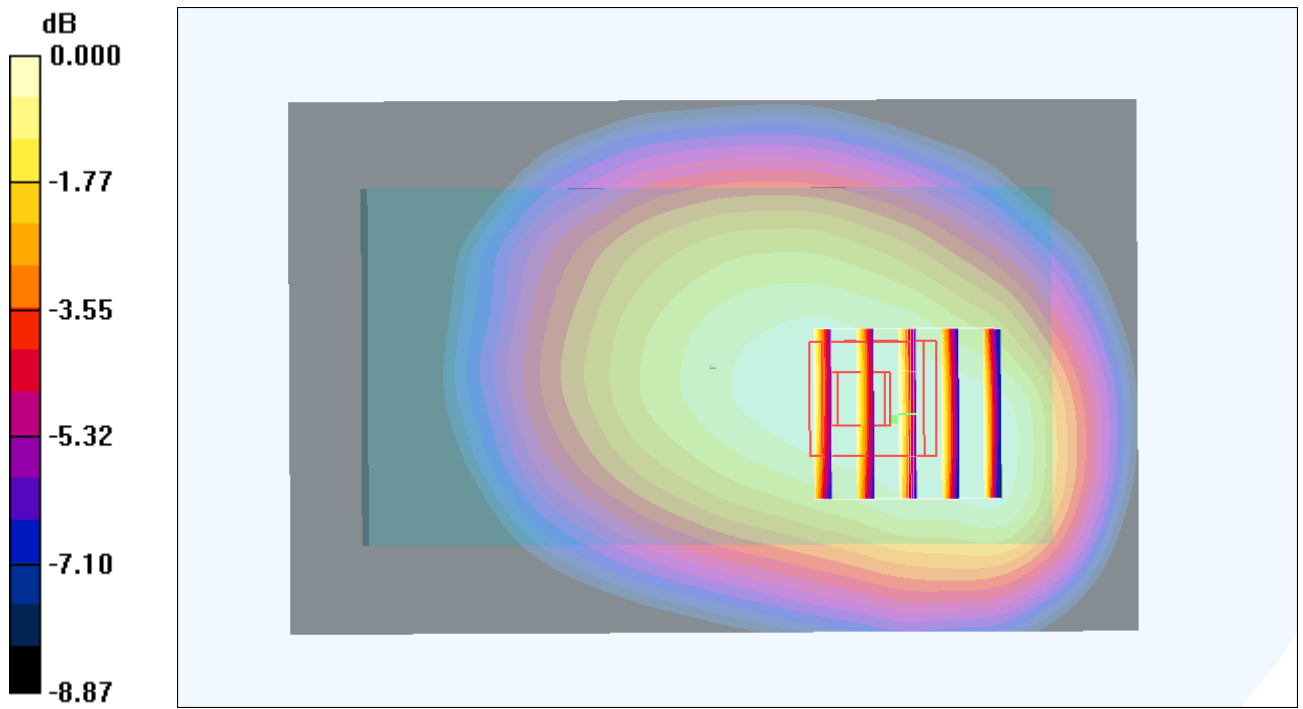
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.8 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.147 W/kg

**SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.123mW/g

## #163 LTE Band 17\_16QAM(1-49)\_Front Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.127 mW/g

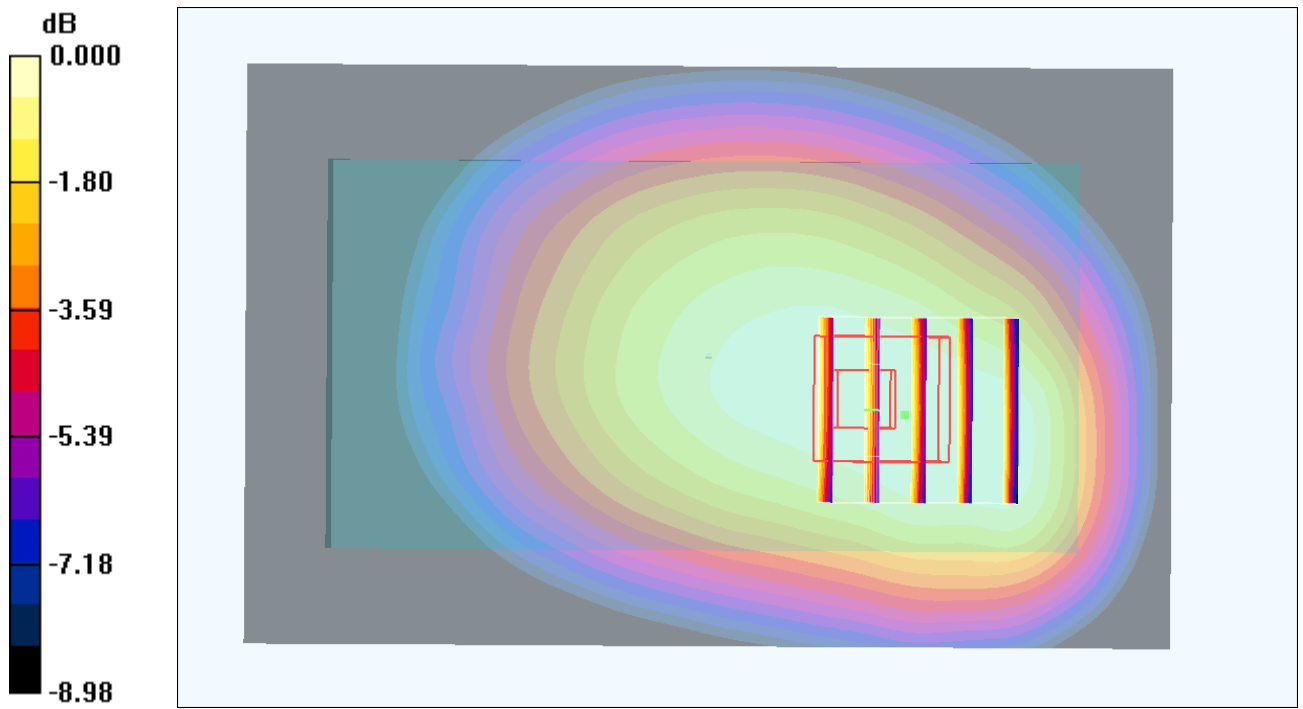
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.094 mW/g**

Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g



## #164 LTE Band 17\_16QAM(25-13)\_Rear Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.137 mW/g

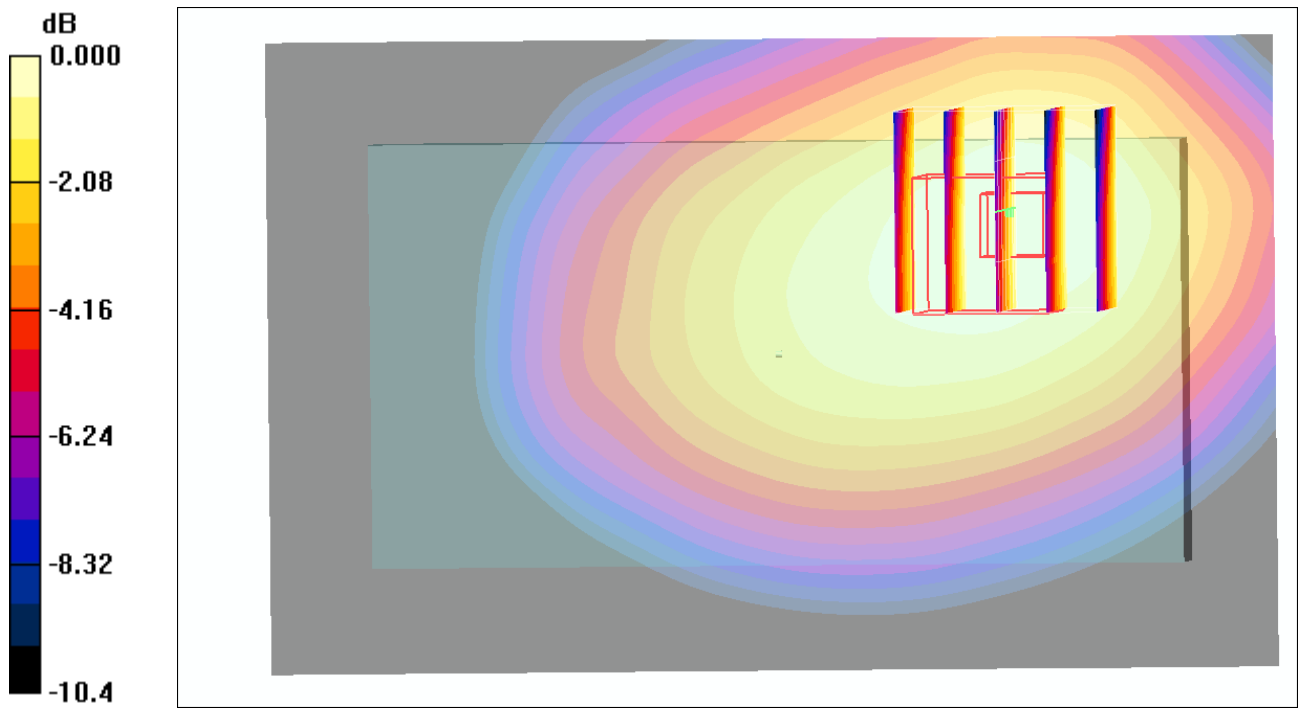
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.1 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.170 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.095 mW/g**

Maximum value of SAR (measured) = 0.132 mW/g



0 dB = 0.132mW/g

## #165 LTE Band 17\_16QAM(1-0)\_Rear Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.141 mW/g

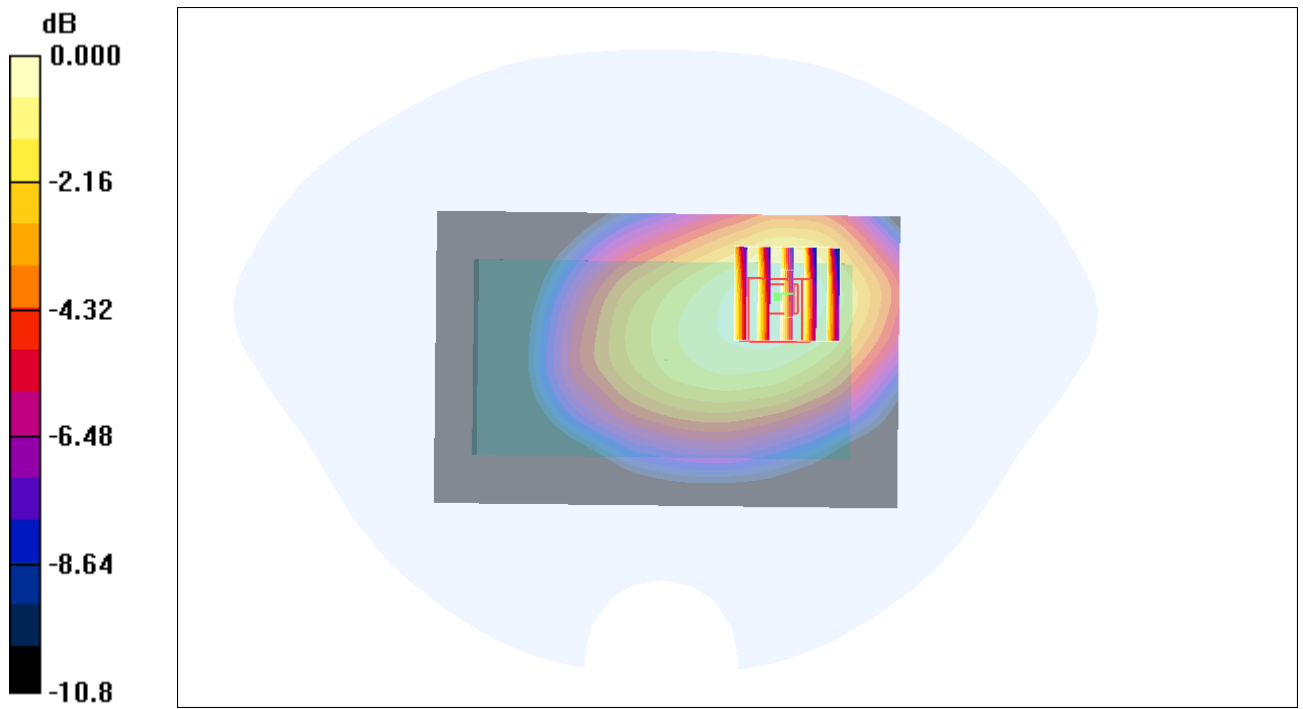
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = 0.042 dB

Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.137 mW/g



0 dB = 0.137mW/g

## #165 LTE Band 17\_16QAM(1-0)\_Rear Face\_1cm\_Ch23790\_2D

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.141 mW/g

**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = 0.042 dB

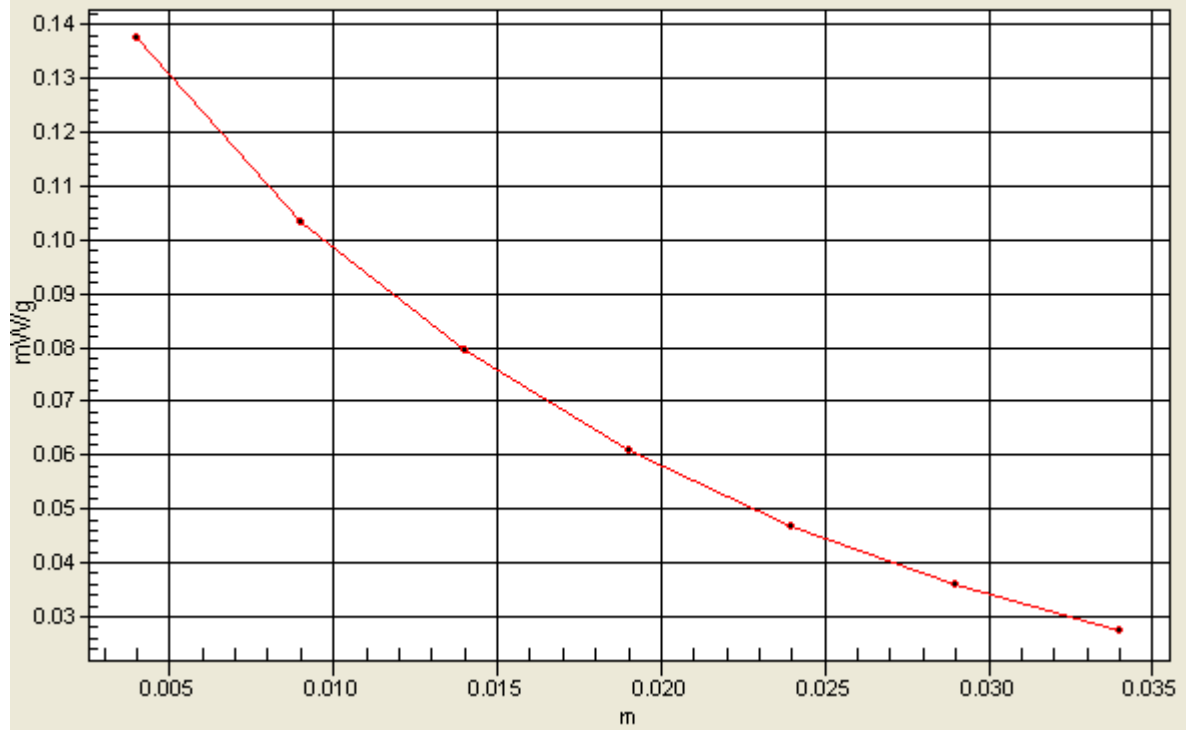
Peak SAR (extrapolated) = 0.176 W/kg

**SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.137 mW/g

# 1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2



## #166 LTE Band 17\_16QAM(1-49)\_Rear Face\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.133 mW/g

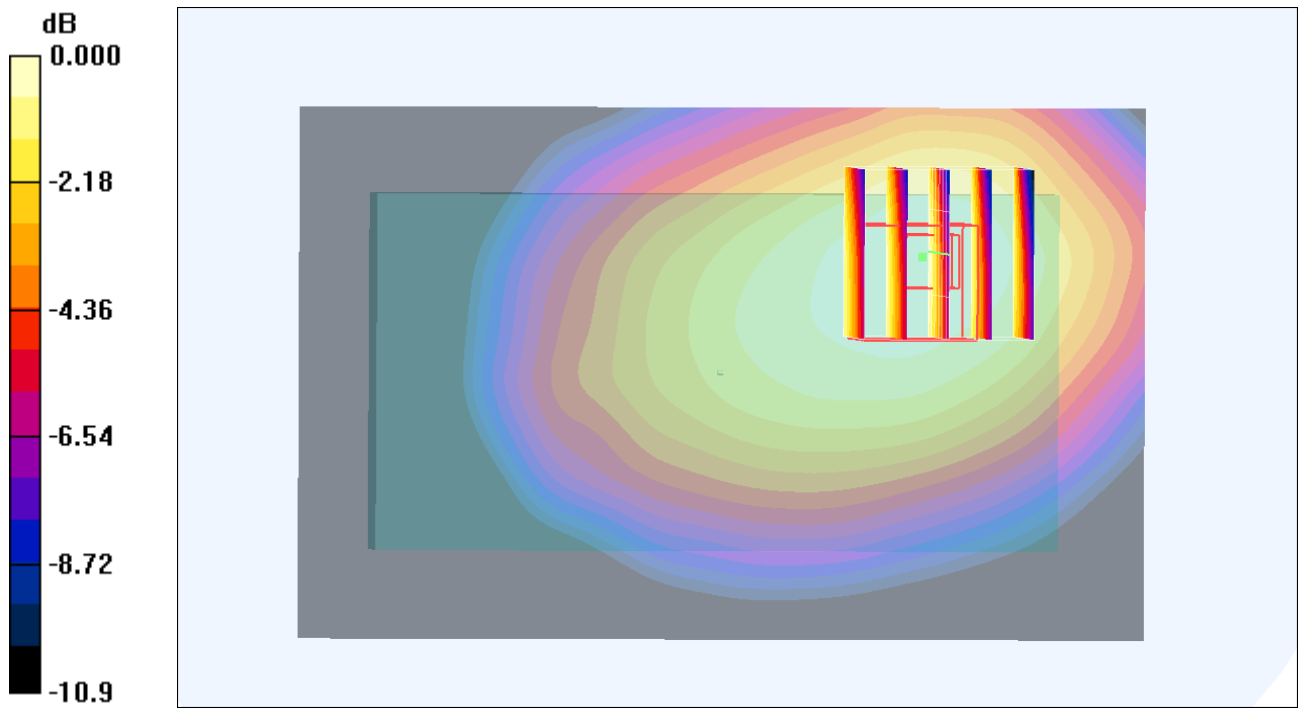
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 9.87 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 0.164 W/kg

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.092 mW/g**

Maximum value of SAR (measured) = 0.129 mW/g



0 dB = 0.129mW/g



## #170 LTE Band 17\_16QAM(25-13)\_Right Side\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.123 mW/g

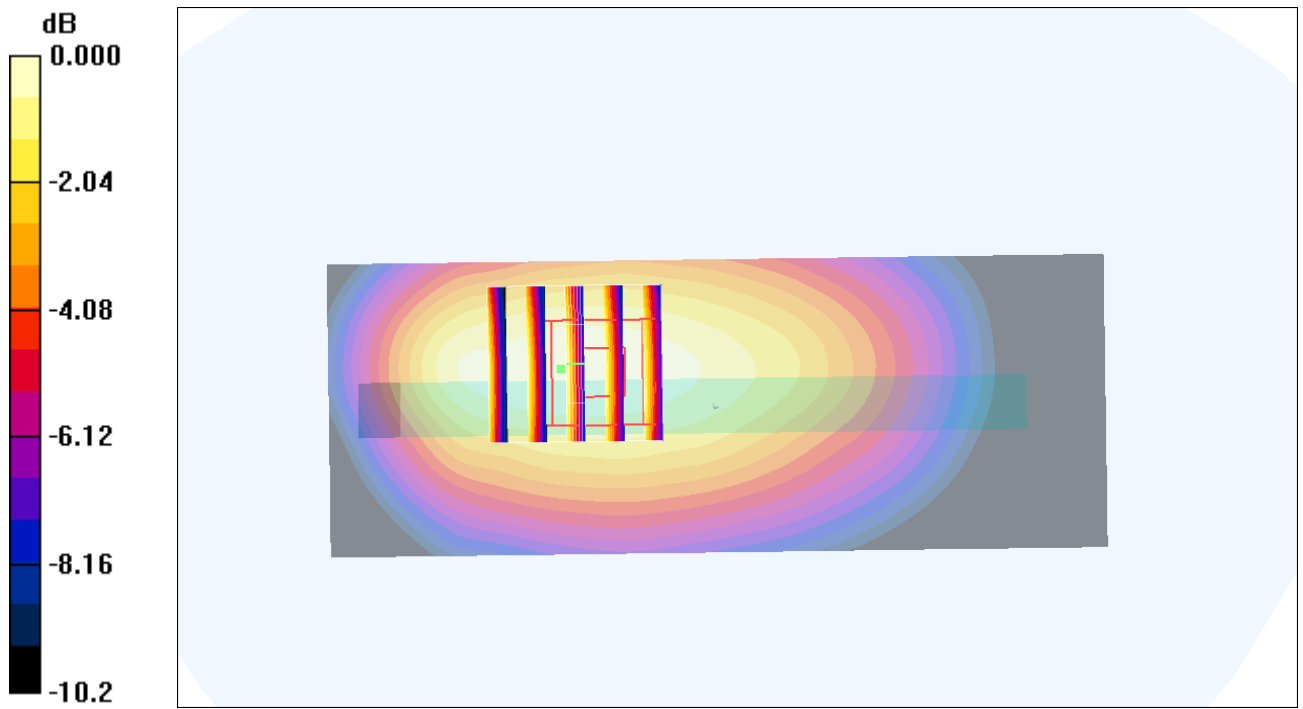
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.6 V/m; Power Drift = -0.024 dB

Peak SAR (extrapolated) = 0.167 W/kg

**SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.082 mW/g**

Maximum value of SAR (measured) = 0.122 mW/g



0 dB = 0.122mW/g

## #171 LTE Band 17\_16QAM(1-0)\_Right Side\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.124 mW/g

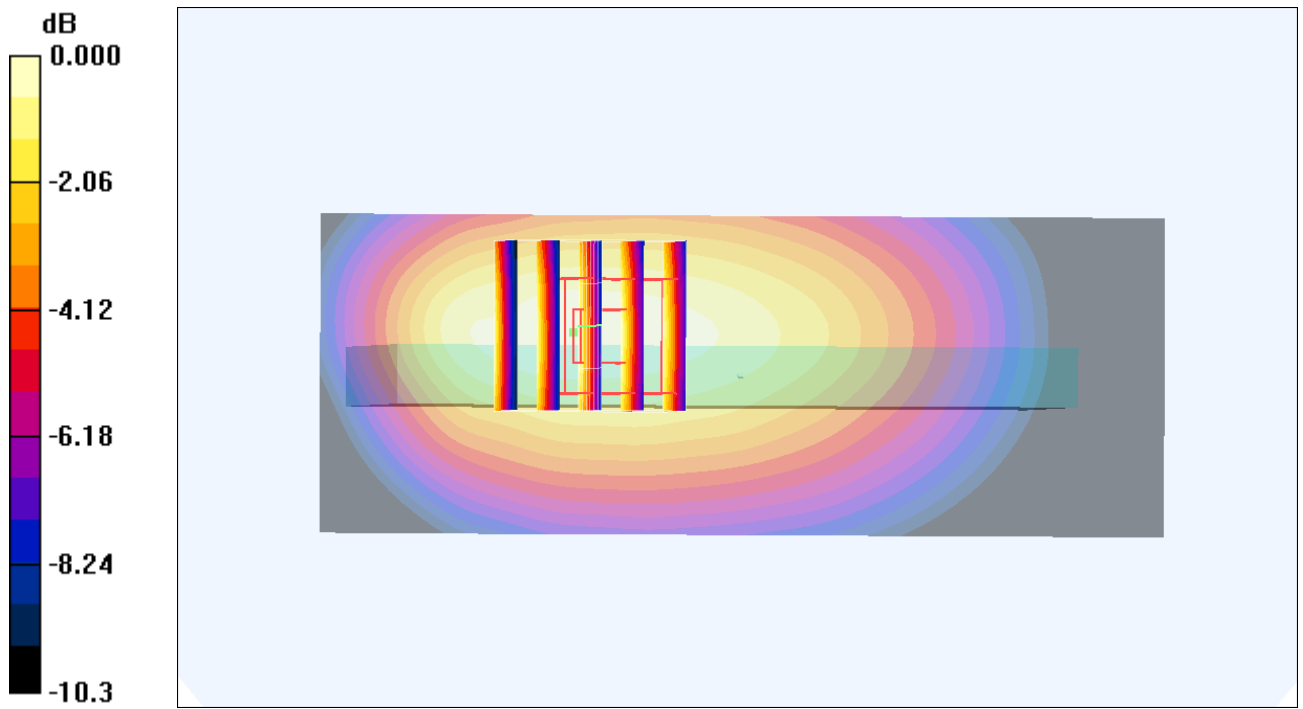
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.5 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.084 mW/g**

Maximum value of SAR (measured) = 0.126 mW/g



0 dB = 0.126mW/g

## #172 LTE Band 17\_16QAM(1-49)\_Right Side\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.118 mW/g

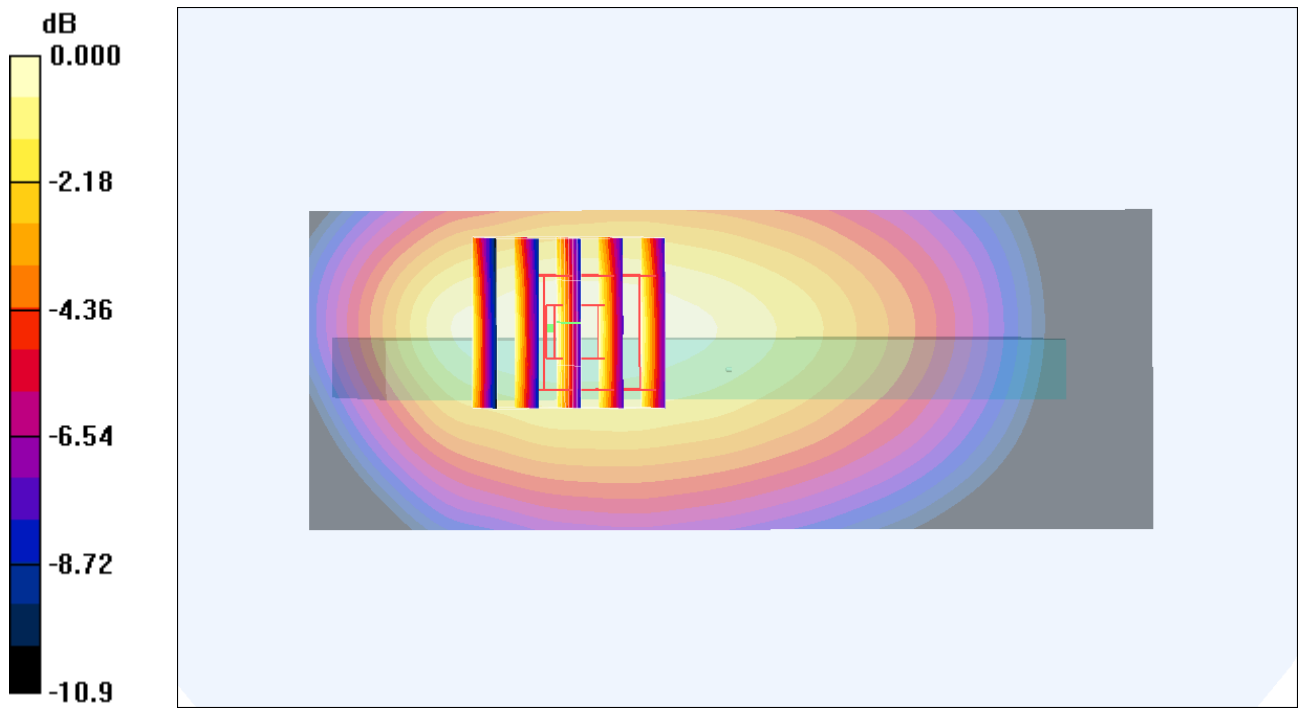
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 10.2 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.152 W/kg

**SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.117 mW/g



0 dB = 0.117mW/g

## #173 LTE Band 17\_16QAM(25-13)\_Top Side\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.067 mW/g

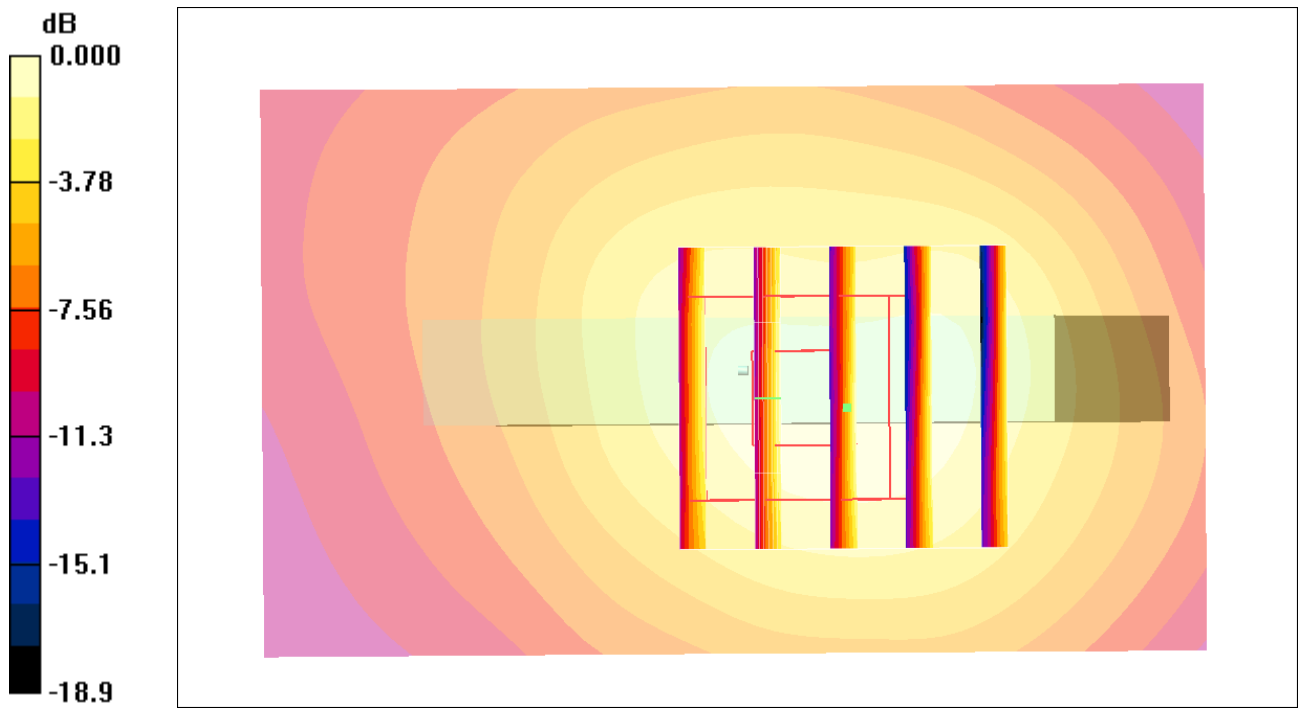
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.62 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.113 W/kg

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.037 mW/g**

Maximum value of SAR (measured) = 0.069 mW/g



0 dB = 0.069mW/g



## #174 LTE Band 17\_16QAM(1-0)\_Top Side \_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.068 mW/g

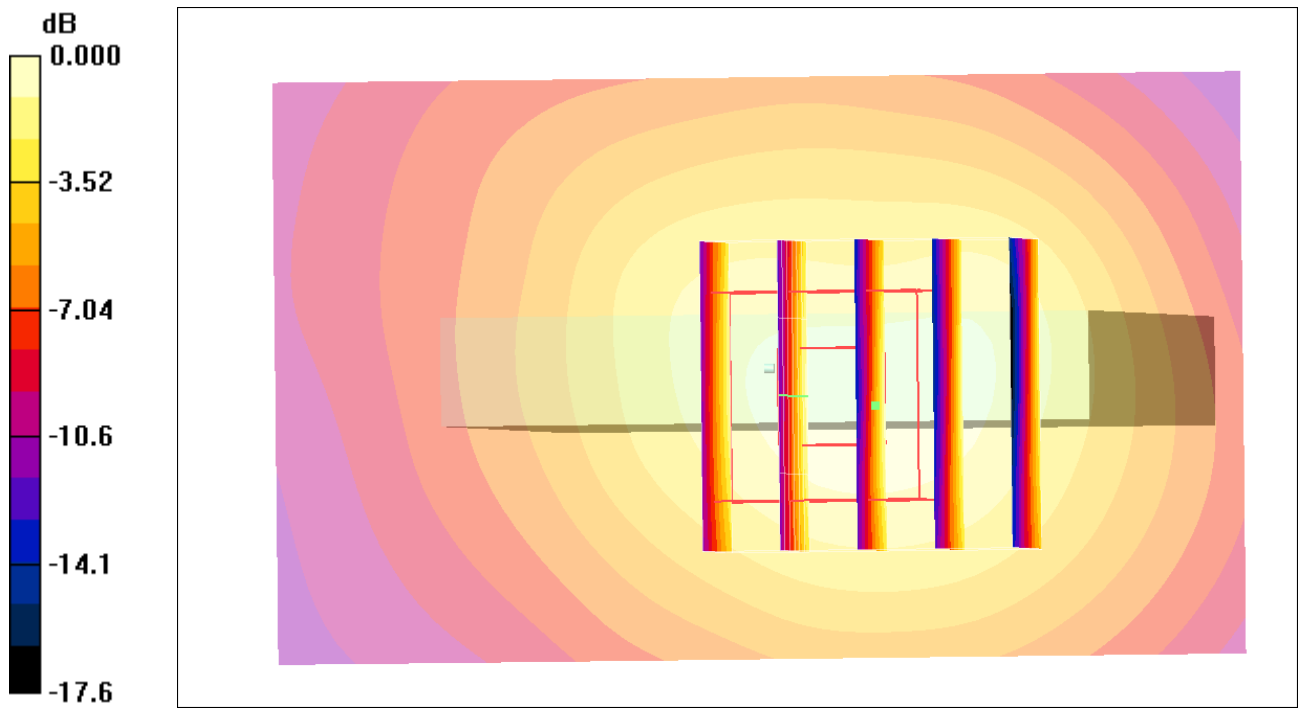
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.67 V/m; Power Drift = 0.099 dB

Peak SAR (extrapolated) = 0.122 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.072mW/g

## #175 LTE Band 17\_16QAM(1-49)\_Top Side\_1cm\_Ch23790

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (31x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.064 mW/g

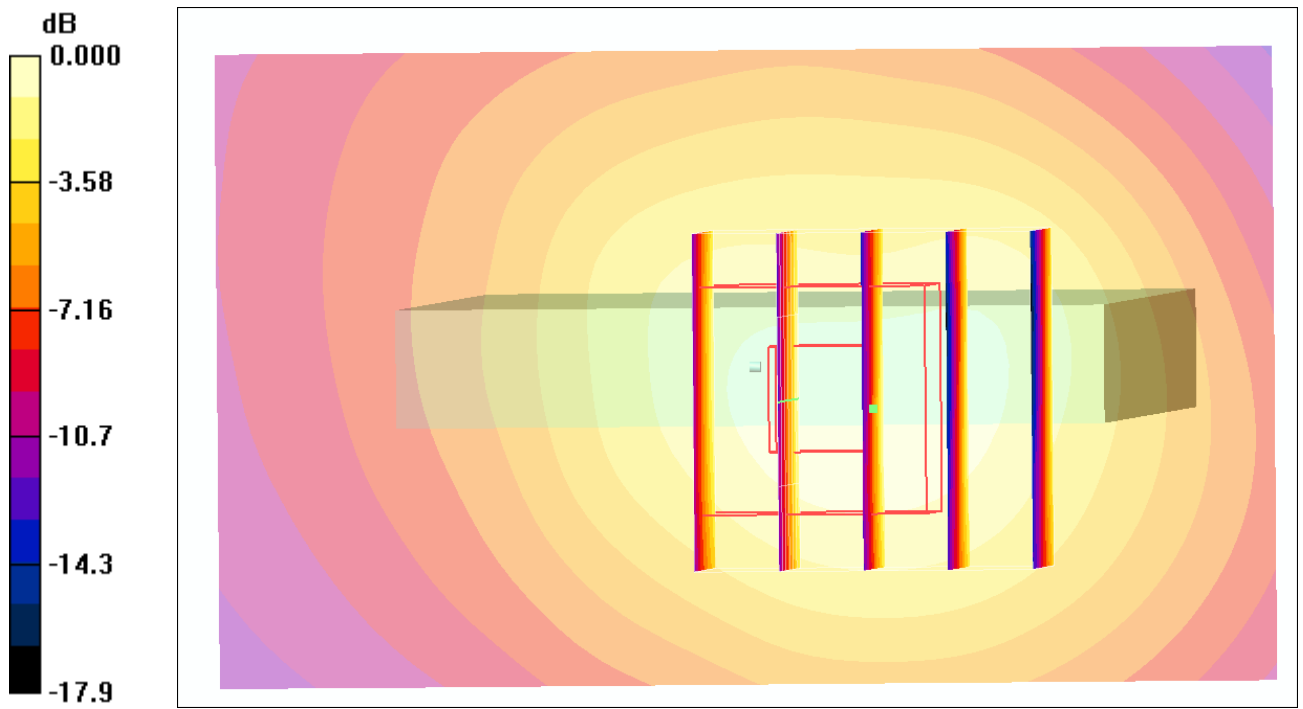
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.50 V/m; Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.112 W/kg

**SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.067 mW/g



0 dB = 0.067mW/g

## #176 LTE Band 17\_16QAM(25-13)\_Rear Face\_1cm\_Ch23790\_Earphone

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.109 mW/g

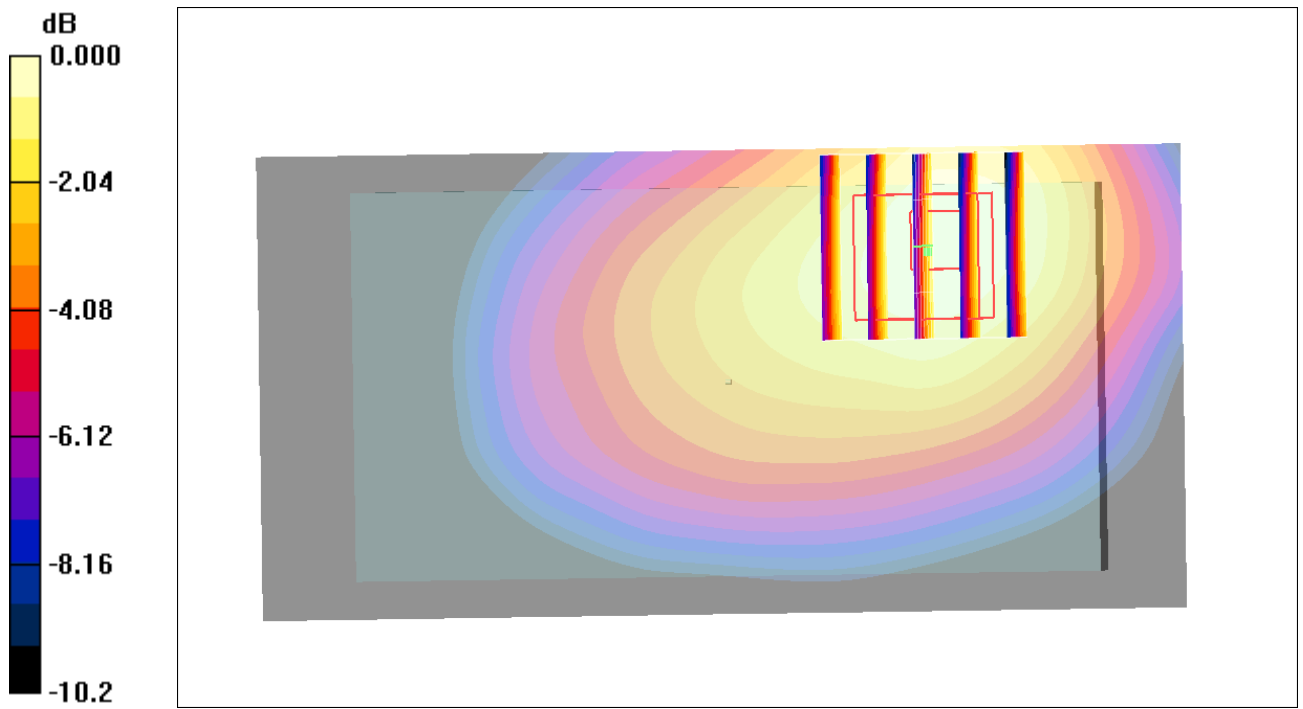
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.16 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 0.148 W/kg

**SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.111 mW/g



0 dB = 0.111mW/g

## #177 LTE Band 17\_16QAM(1-0)\_Rear Face\_1cm\_Ch23790\_Earphone

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1  
Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$   
mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.112 mW/g

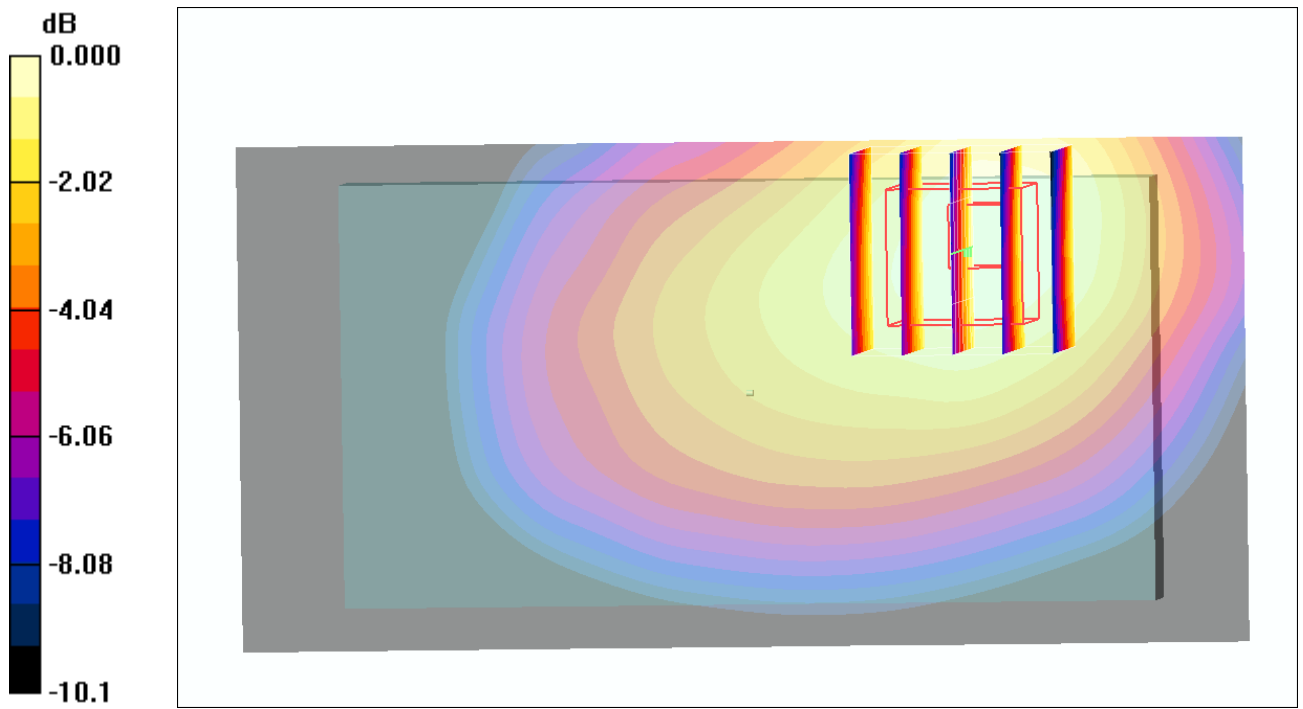
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.28 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.077 mW/g**

Maximum value of SAR (measured) = 0.112 mW/g



0 dB = 0.112mW/g



## #178 LTE Band 17\_16QAM(1-49)\_Rear Face\_1cm\_Ch23790\_Earphone

**DUT: 142244-01**

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL\_750\_110604 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.928$

mho/m;  $\epsilon_r = 52.92$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.81, 8.81, 8.81); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch23790/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.106 mW/g

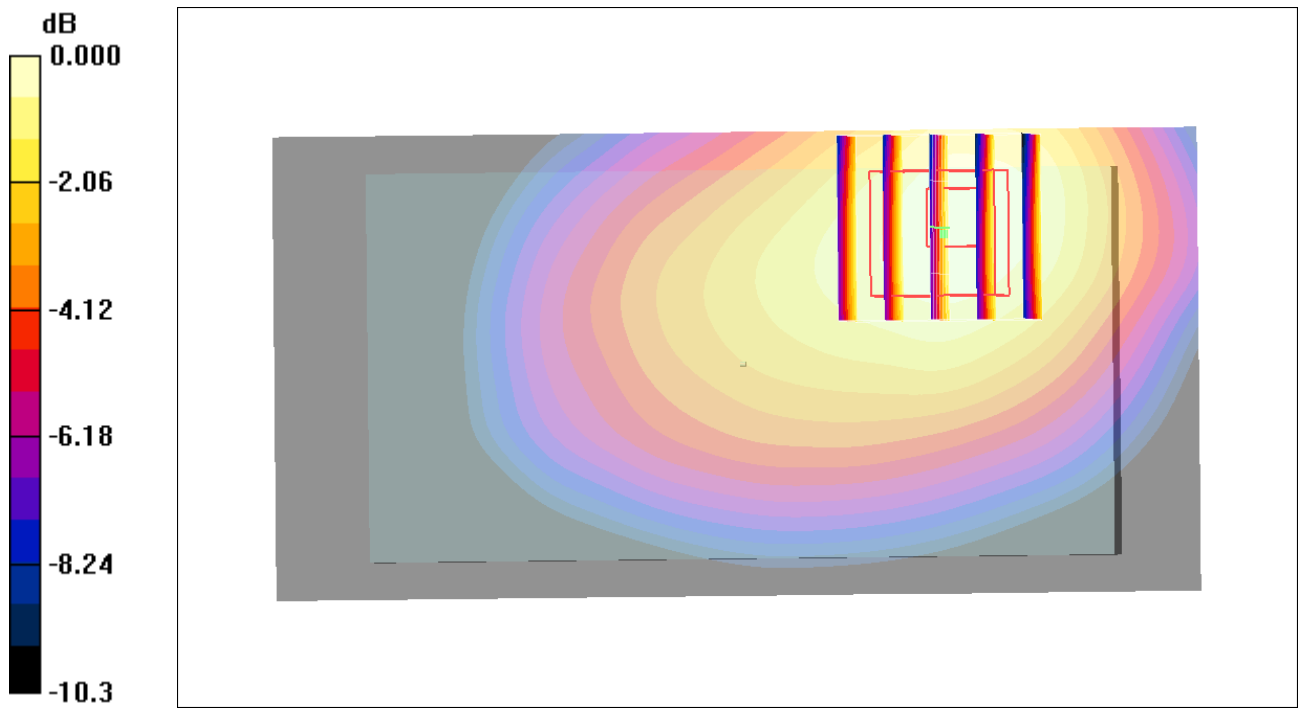
**Ch23790/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm,  
dy=8mm, dz=5mm

Reference Value = 8.07 V/m; Power Drift = 0.114 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.101 mW/g; SAR(10 g) = 0.072 mW/g**

Maximum value of SAR (measured) = 0.108 mW/g



0 dB = 0.108mW/g

**#69 LTE Band 4\_QPSK(25-13)\_Front Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.1 mW/g

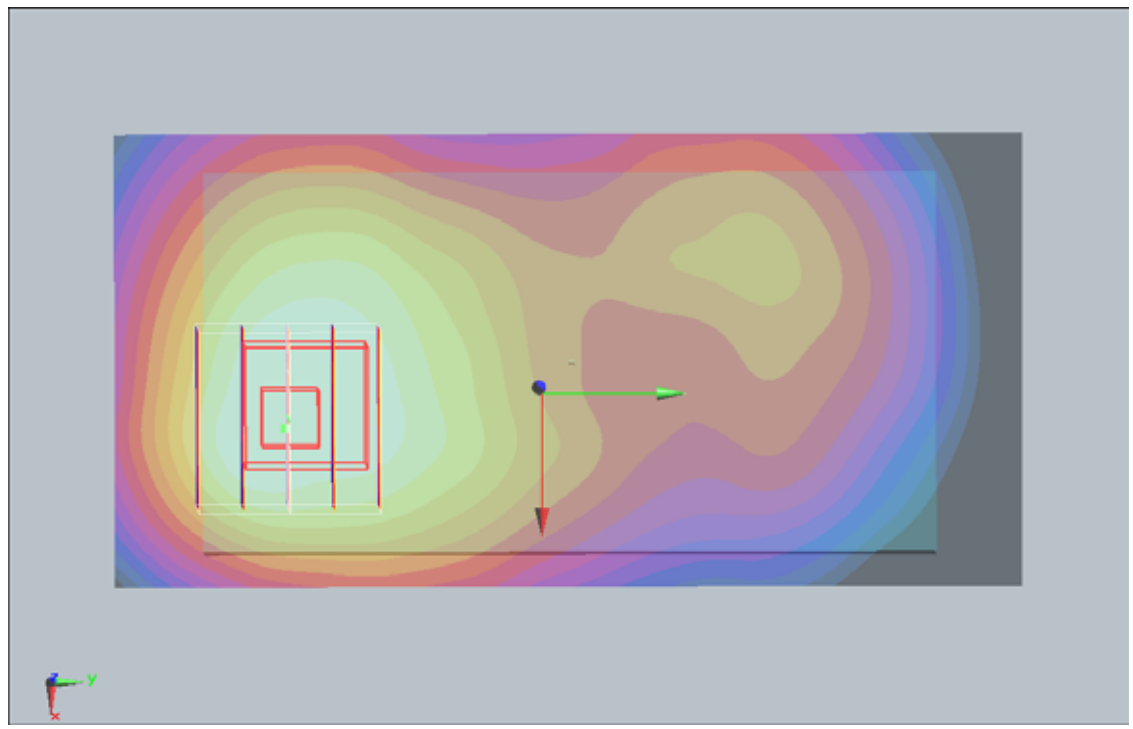
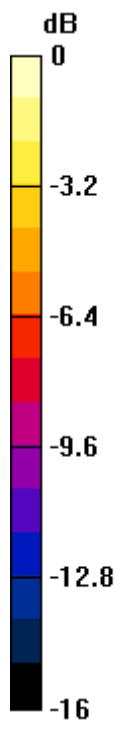
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.551 mW/g**

Maximum value of SAR (measured) = 0.923 mW/g



0 dB = 0.923mW/g

**#69 LTE Band 4\_QPSK(25-13)\_Front Face\_1cm\_Ch20175\_2D**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.1 mW/g

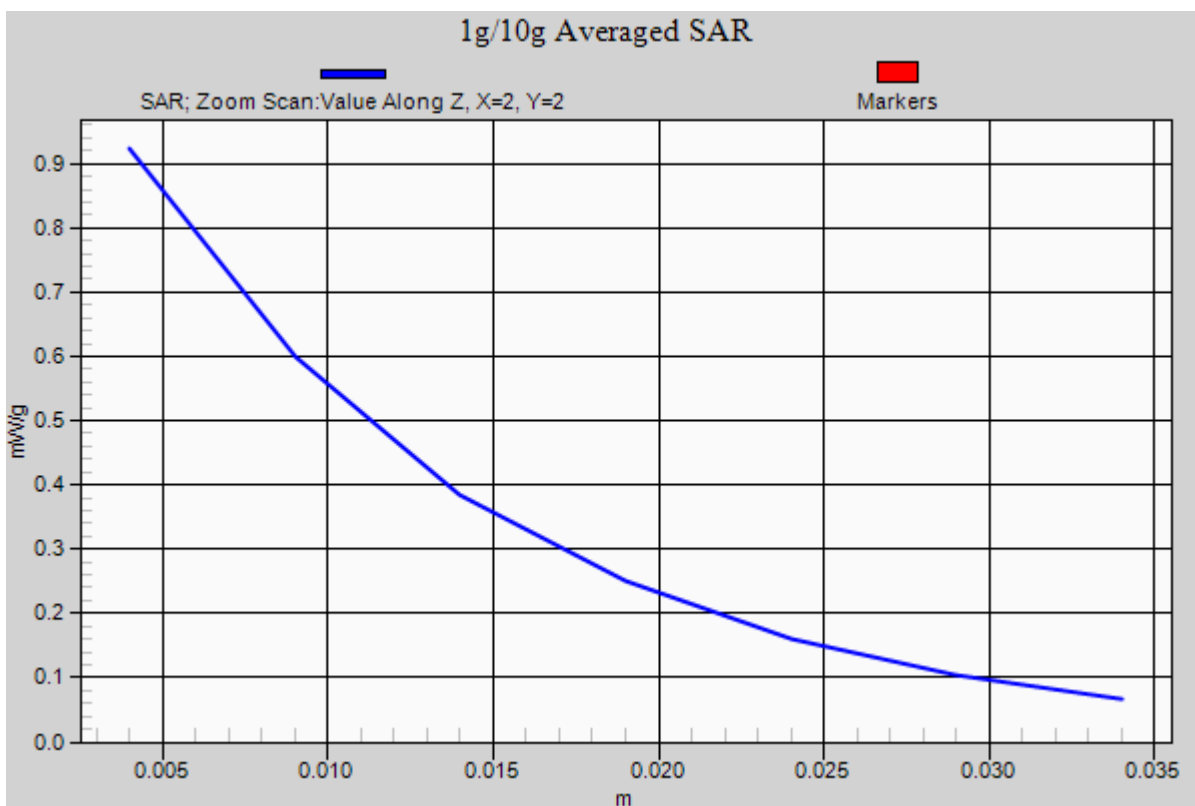
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.095 dB

Peak SAR (extrapolated) = 1.33 W/kg

**SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.551 mW/g**

Maximum value of SAR (measured) = 0.923 mW/g



**#146 LTE Band 4\_QPSK(25-13)\_Front Face\_1cm\_Ch20000**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1715$  MHz;  $\sigma = 1.46$  mho/m;  $\epsilon_r = 53$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20000/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.967 mW/g

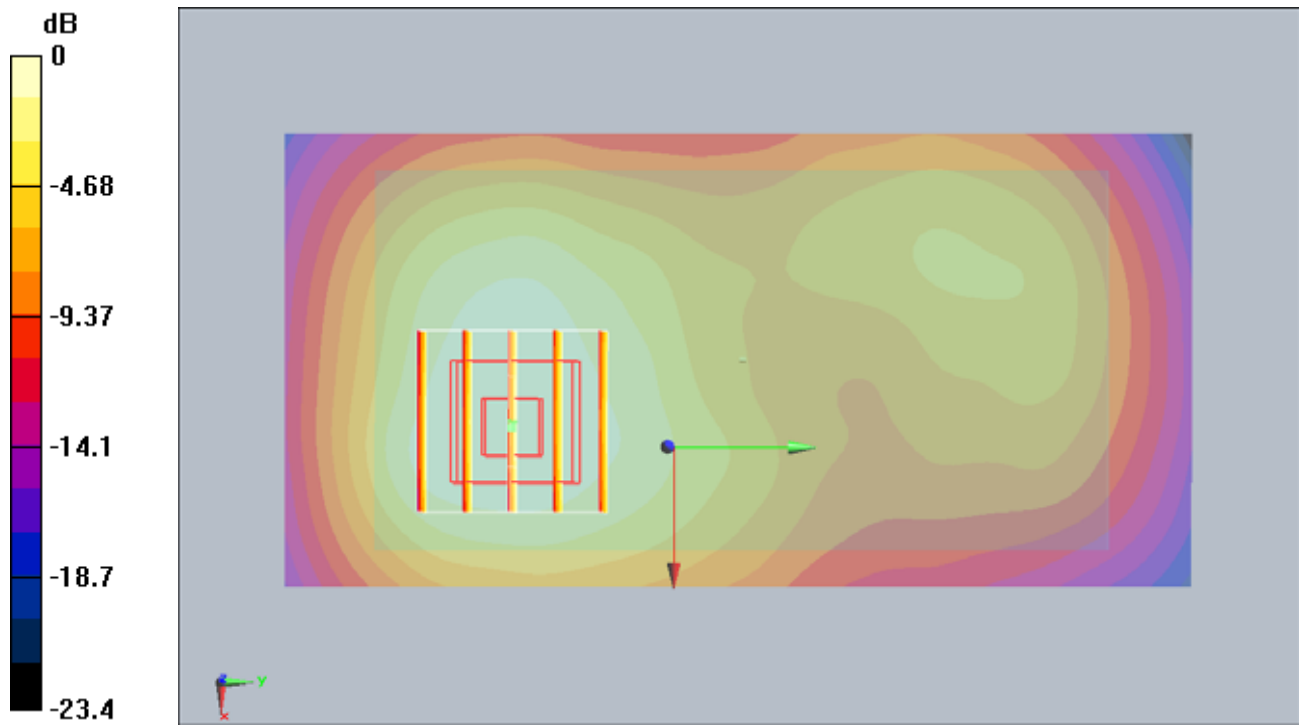
**Ch20000/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.536 mW/g**

Maximum value of SAR (measured) = 0.896 mW/g



0 dB = 0.896mW/g

**#147 LTE Band 4\_QPSK(25-13)\_Front Face\_1cm\_Ch20350**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1750$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20350/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch20350/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

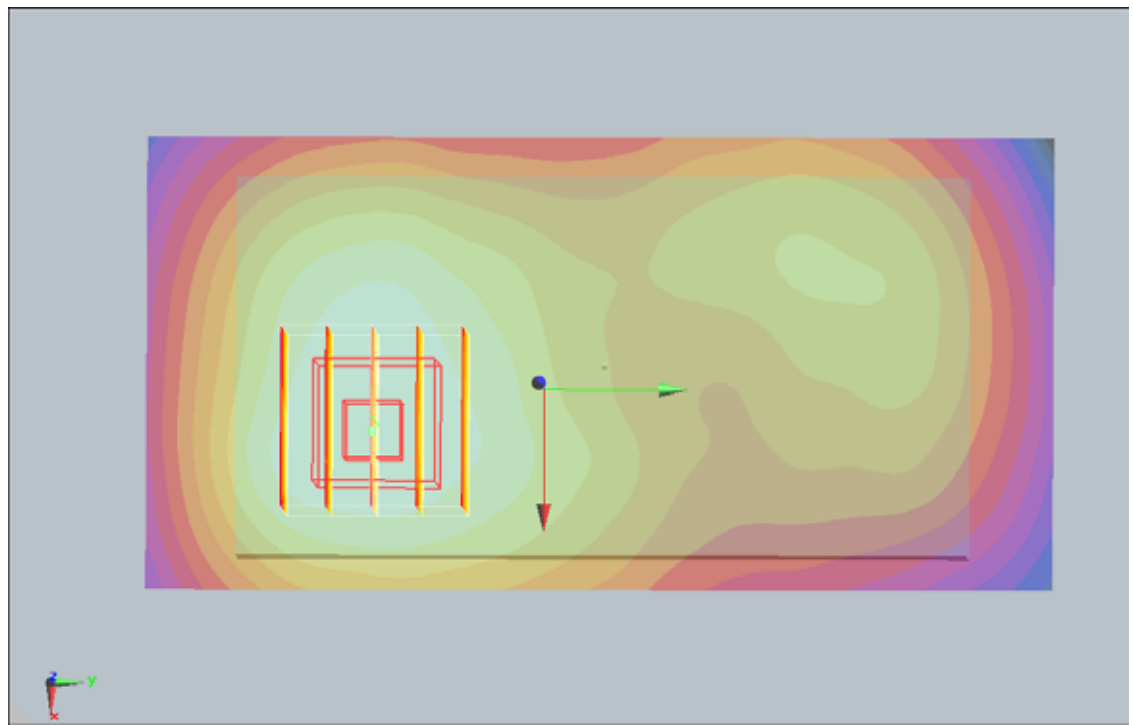
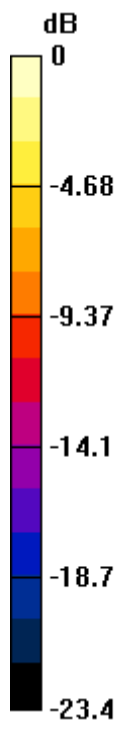
Reference Value = 12.5 V/m; Power Drift = -0.125 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.553 mW/g**

Maximum value of SAR (measured) = 0.924 mW/g





0 dB = 0.924mW/g

**#148 LTE Band 4\_QPSK(1-0)\_Front Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.967 mW/g

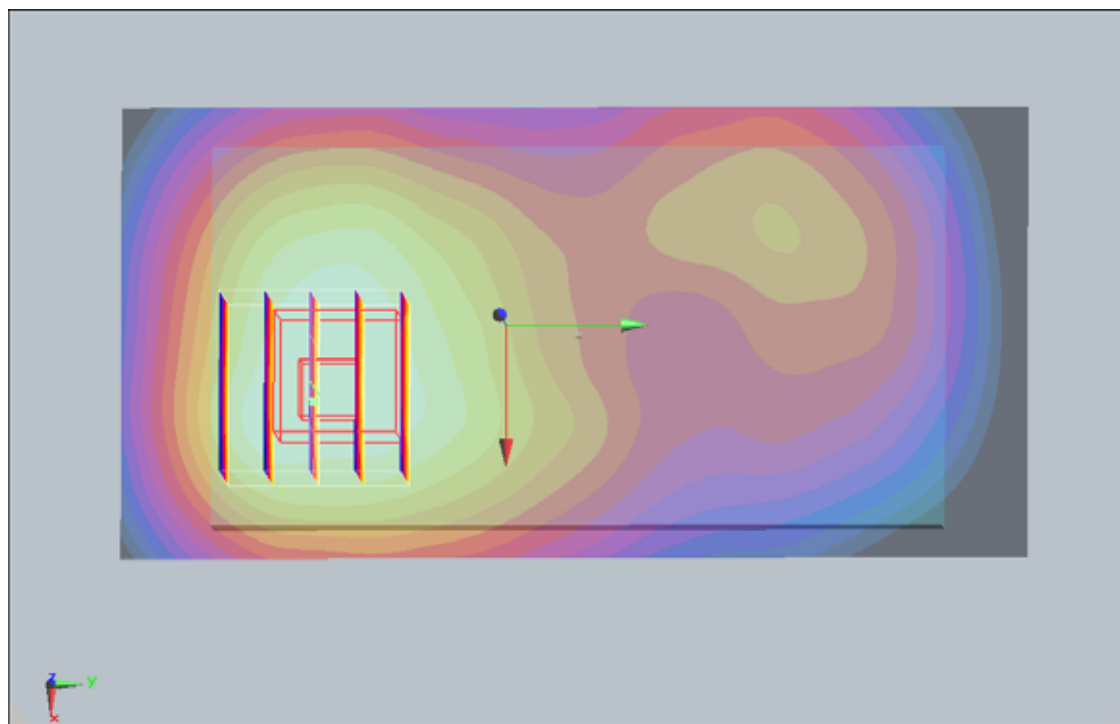
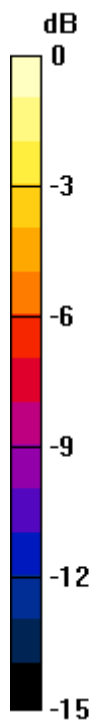
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = -0.044 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.531 mW/g**

Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.876mW/g

**#149 LTE Band 4\_QPSK(1-49)\_Front Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.970 mW/g

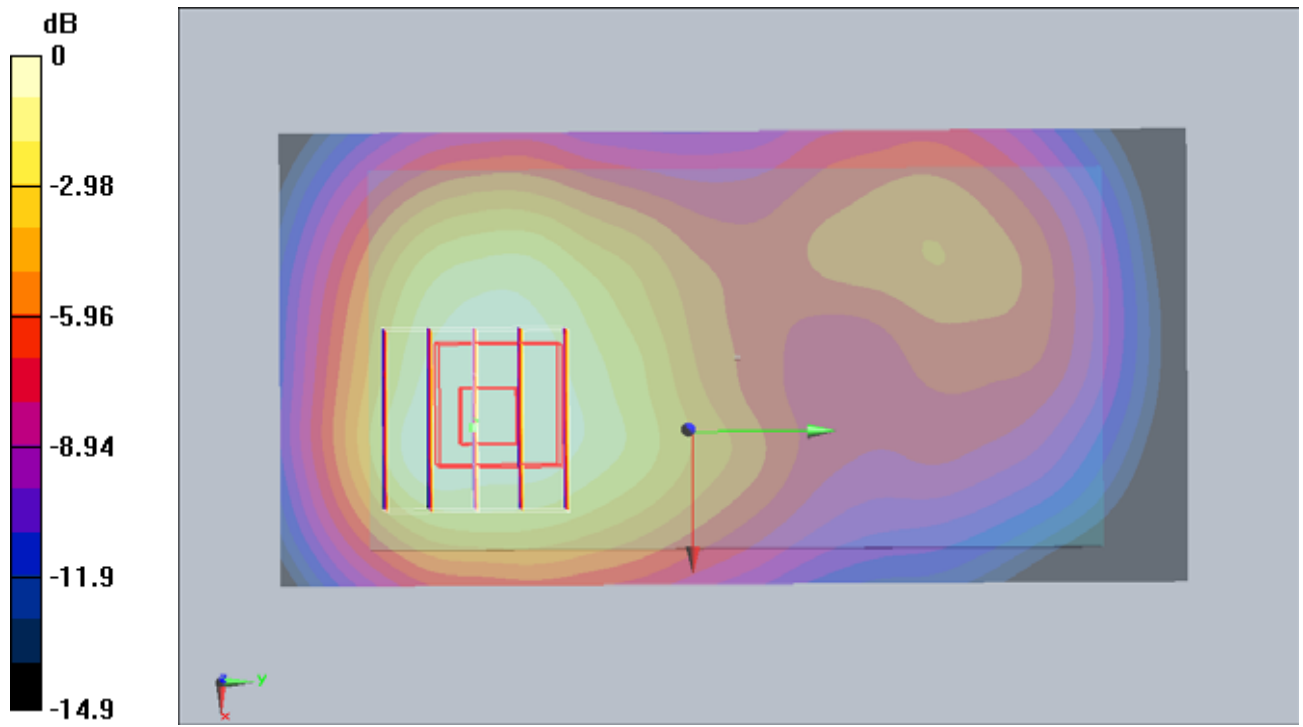
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.4 V/m; Power Drift = 0.00732 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.530 mW/g**

Maximum value of SAR (measured) = 0.877 mW/g



0 dB = 0.877mW/g

**#70 LTE Band 4\_QPSK(25-13)\_Rear Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.675 mW/g

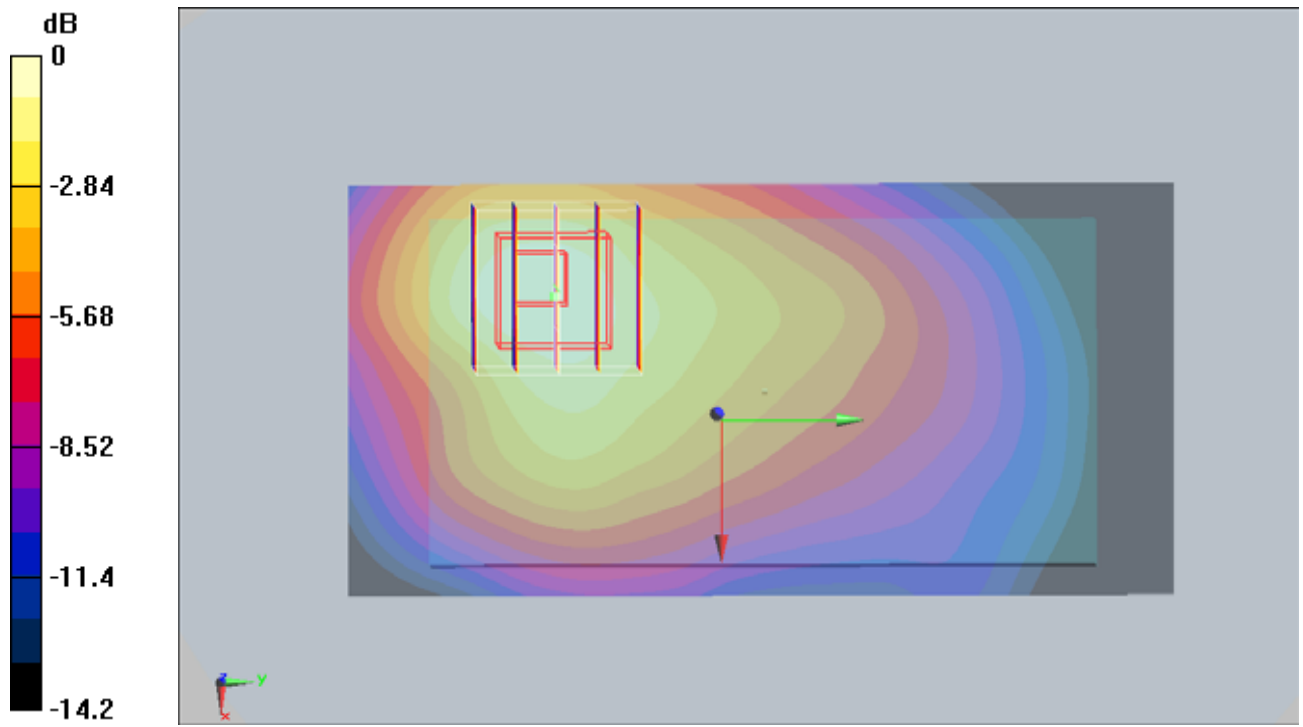
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.983 W/kg

**SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.377 mW/g**

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



0 dB = 0.653mW/g

**#150 LTE Band 4\_QPSK(1-0)\_Rear Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.685 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

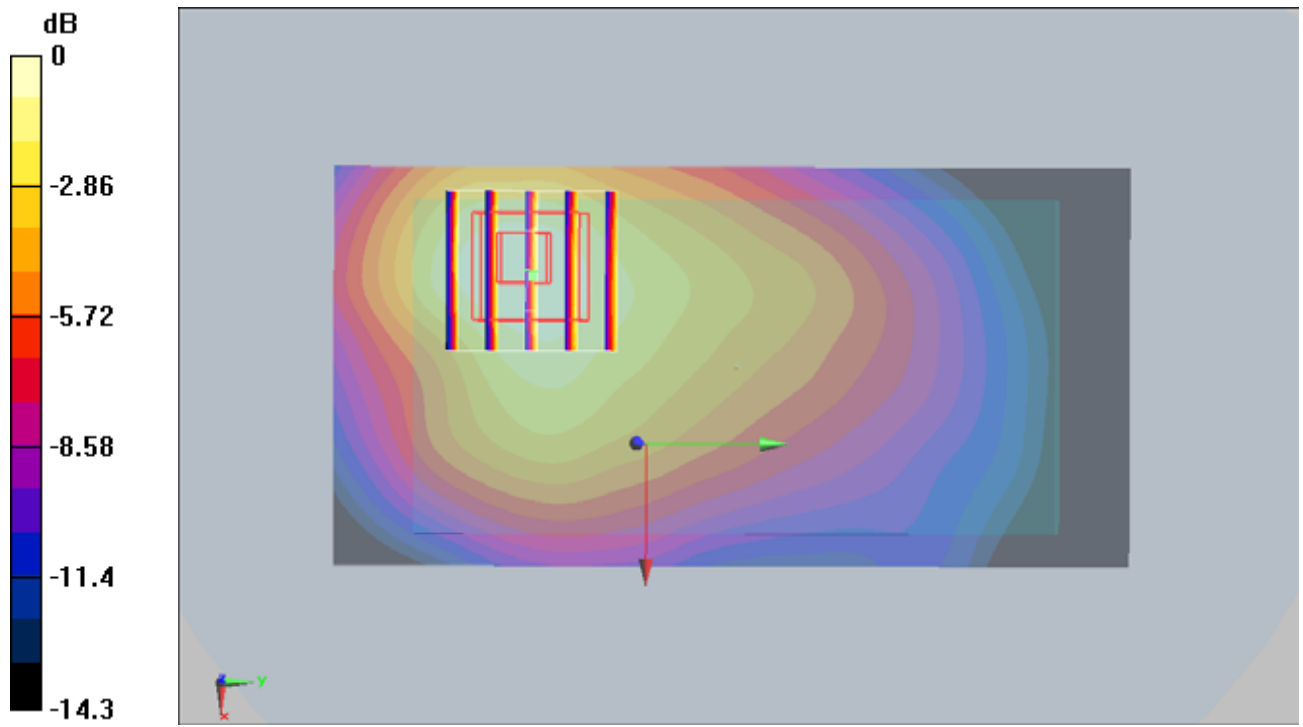
Reference Value = 12.9 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.993 W/kg

**SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.381 mW/g**

Maximum value of SAR (measured) = 0.663 mW/g





0 dB = 0.663mW/g

**#151 LTE Band 4\_QPSK(1-49)\_Rear Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.696 mW/g

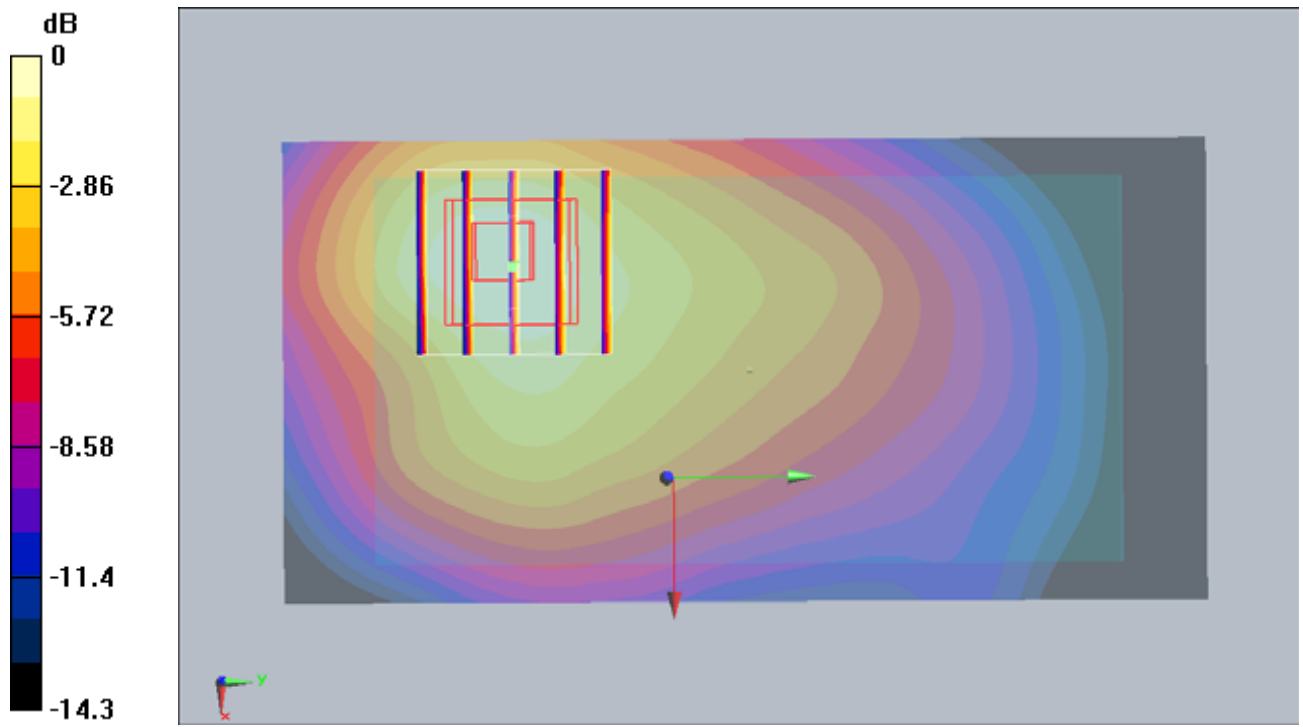
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.1 V/m; Power Drift = 0.027 dB

Peak SAR (extrapolated) = 1 W/kg

**SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.384 mW/g**

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



0 dB = 0.678mW/g

## #71 LTE Band 4\_QPSK(25-13)\_Left Side\_1cm\_Ch20175

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_1800\_110602 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.220 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.77 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.130 mW/g**

Maximum value of SAR (measured) = 0.226 mW/g

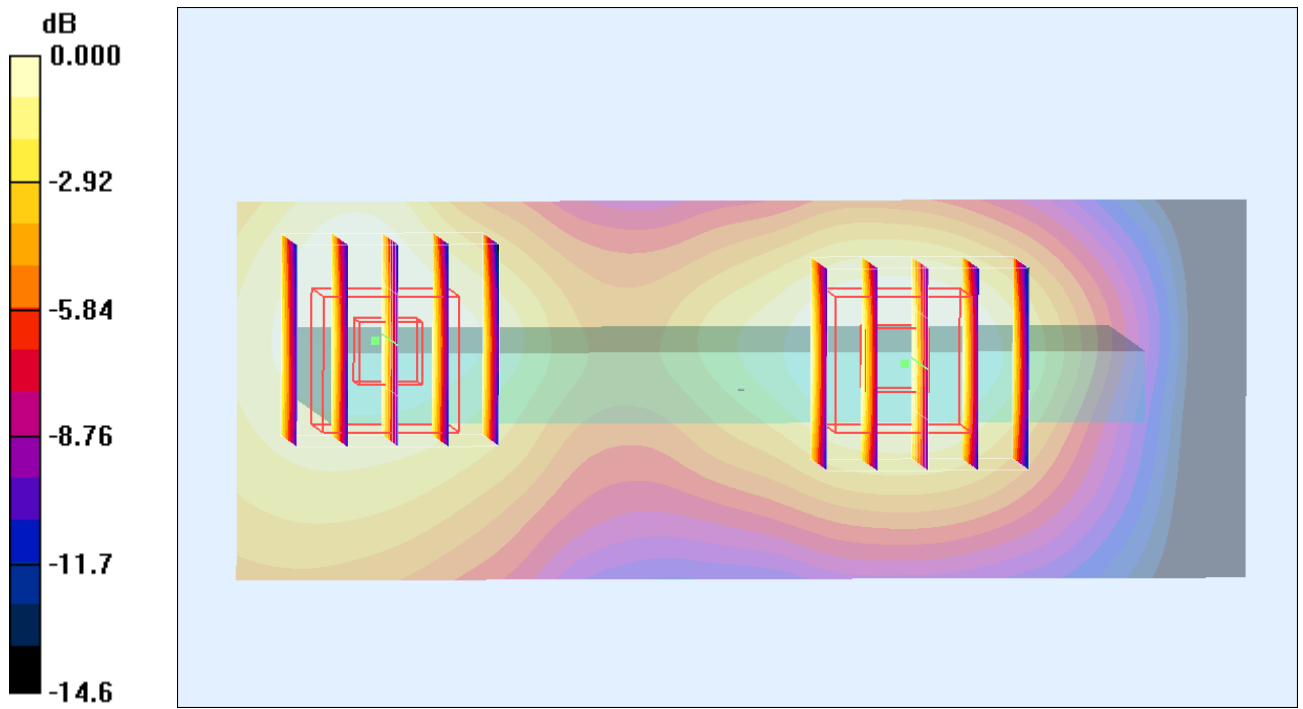
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.77 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.245 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.112 mW/g**

Maximum value of SAR (measured) = 0.181 mW/g



0 dB = 0.181mW/g

**#152 LTE Band 4\_QPSK(1-0)\_Left Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.8 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.117 mW/g**

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

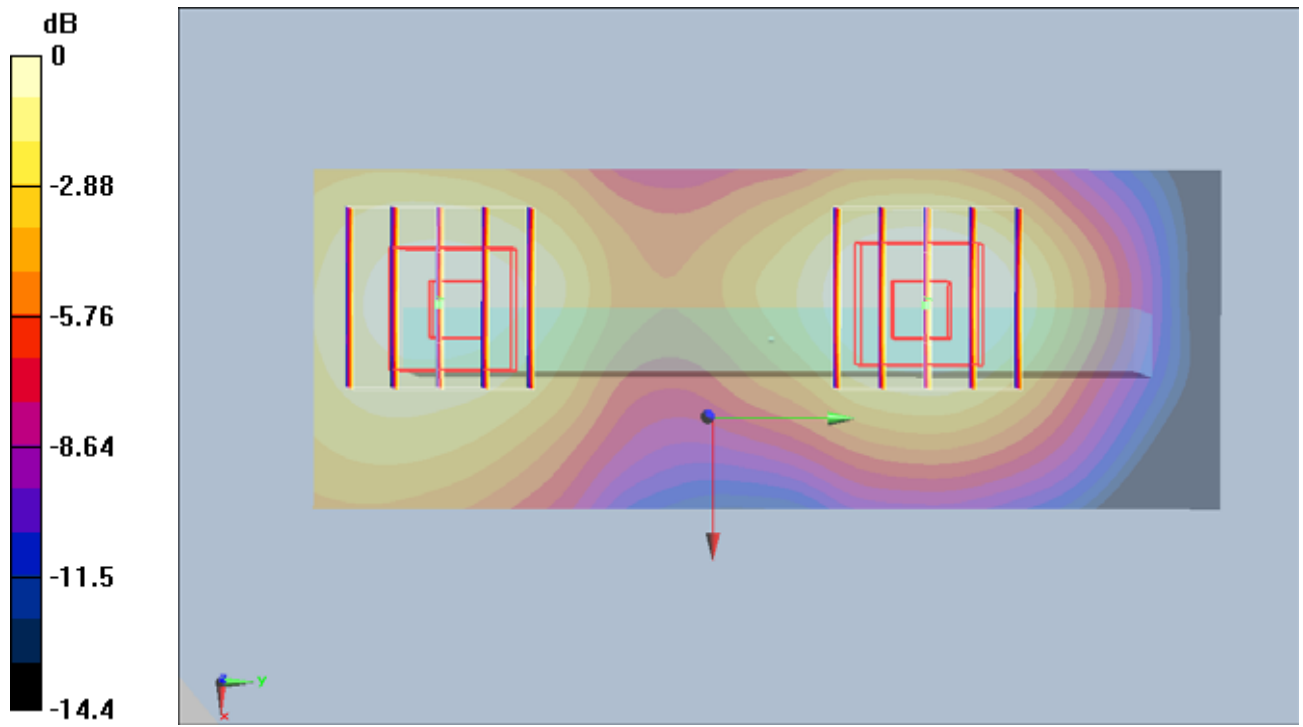
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.8 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.096 mW/g**

Maximum value of SAR (measured) = 0.164 mW/g



0 dB = 0.164mW/g

**#153 LTE Band 4\_QPSK(1-49)\_Left Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.207 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.76 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.288 W/kg

**SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.117 mW/g**

Maximum value of SAR (measured) = 0.197 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

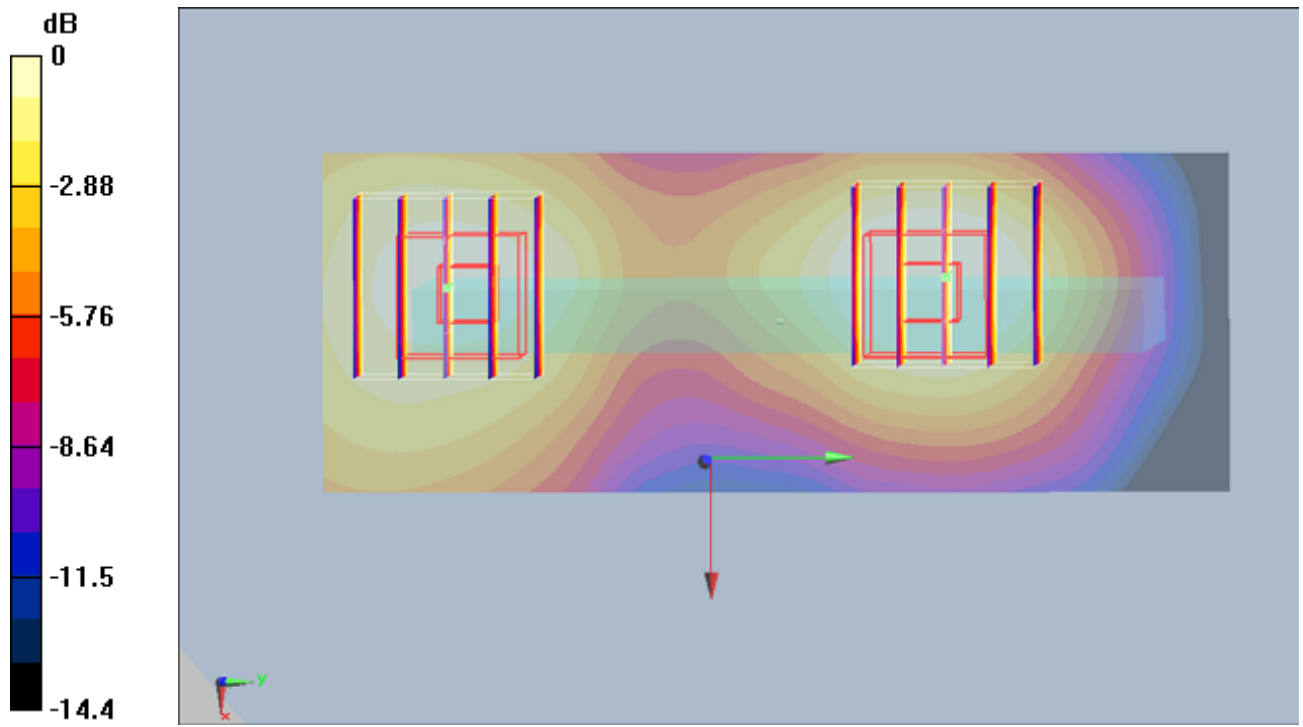
Reference Value = 7.76 V/m; Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.098 mW/g**

Maximum value of SAR (measured) = 0.164 mW/g





0 dB = 0.164mW/g

## #72 LTE Band 4\_QPSK(25-13)\_Right Side\_1cm\_Ch20175

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_1800\_110602 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.384 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.222 mW/g**

Maximum value of SAR (measured) = 0.403 mW/g

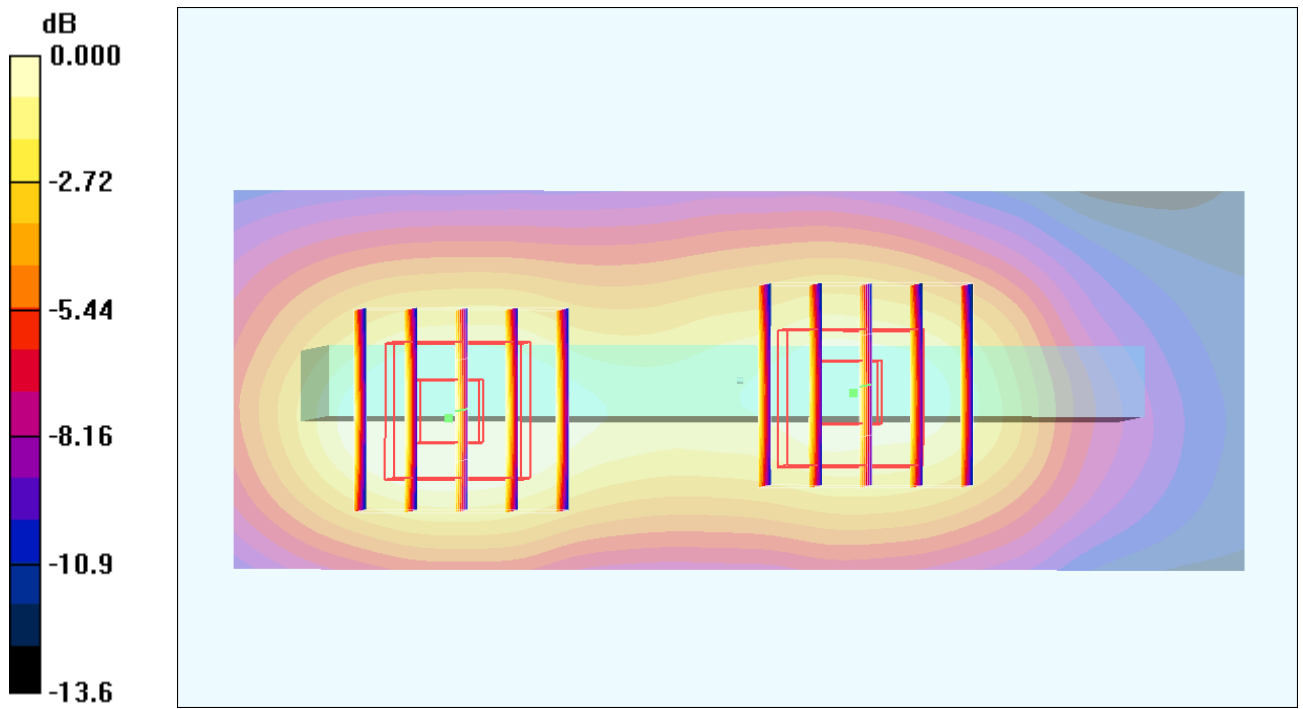
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.090 dB

Peak SAR (extrapolated) = 0.392 W/kg

**SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.174 mW/g**

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



0 dB = 0.290mW/g

**#154 LTE Band 4\_QPSK(1-0)\_Right Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.359 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.561 W/kg

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.202 mW/g**

Maximum value of SAR (measured) = 0.372 mW/g

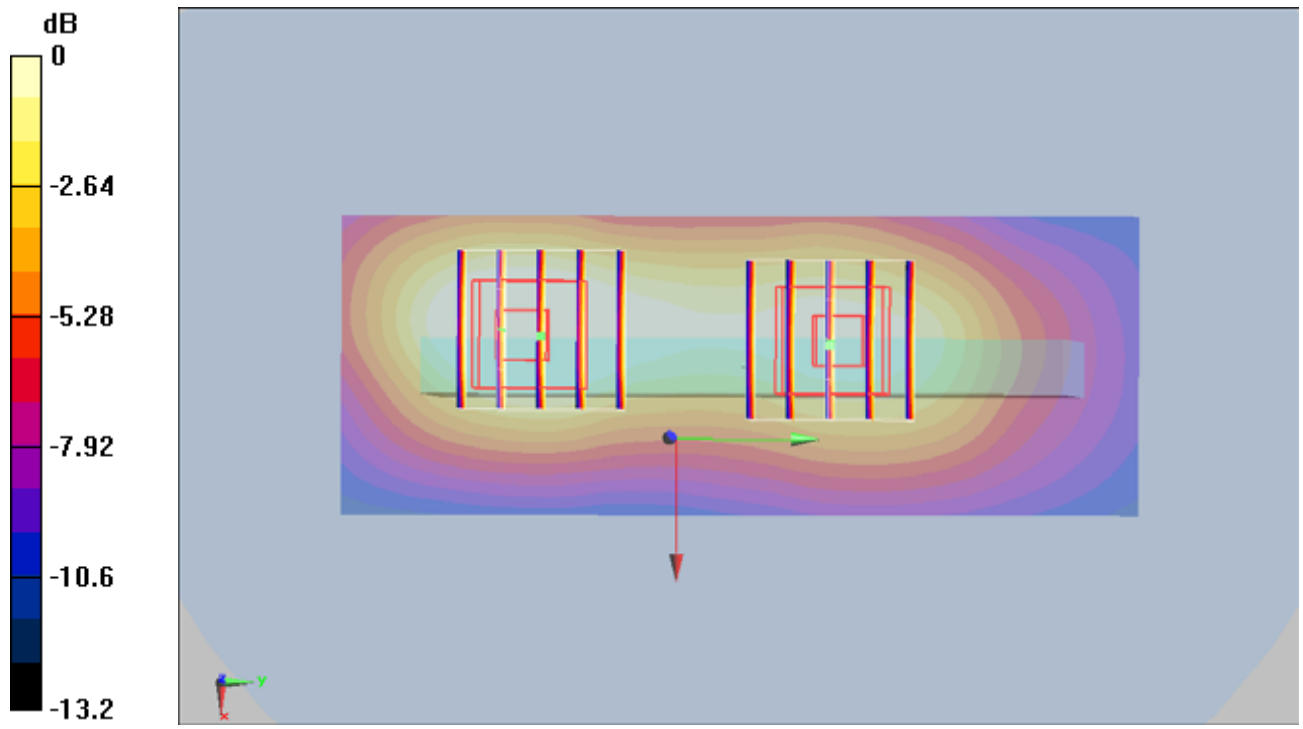
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.6 V/m; Power Drift = 0.125 dB

Peak SAR (extrapolated) = 0.373 W/kg

**SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.146 mW/g**

Maximum value of SAR (measured) = 0.253 mW/g



0 dB = 0.253mW/g

**#155 LTE Band 4\_QPSK(1-49)\_Right Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.178 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.204 mW/g**

Maximum value of SAR (measured) = 0.371 mW/g

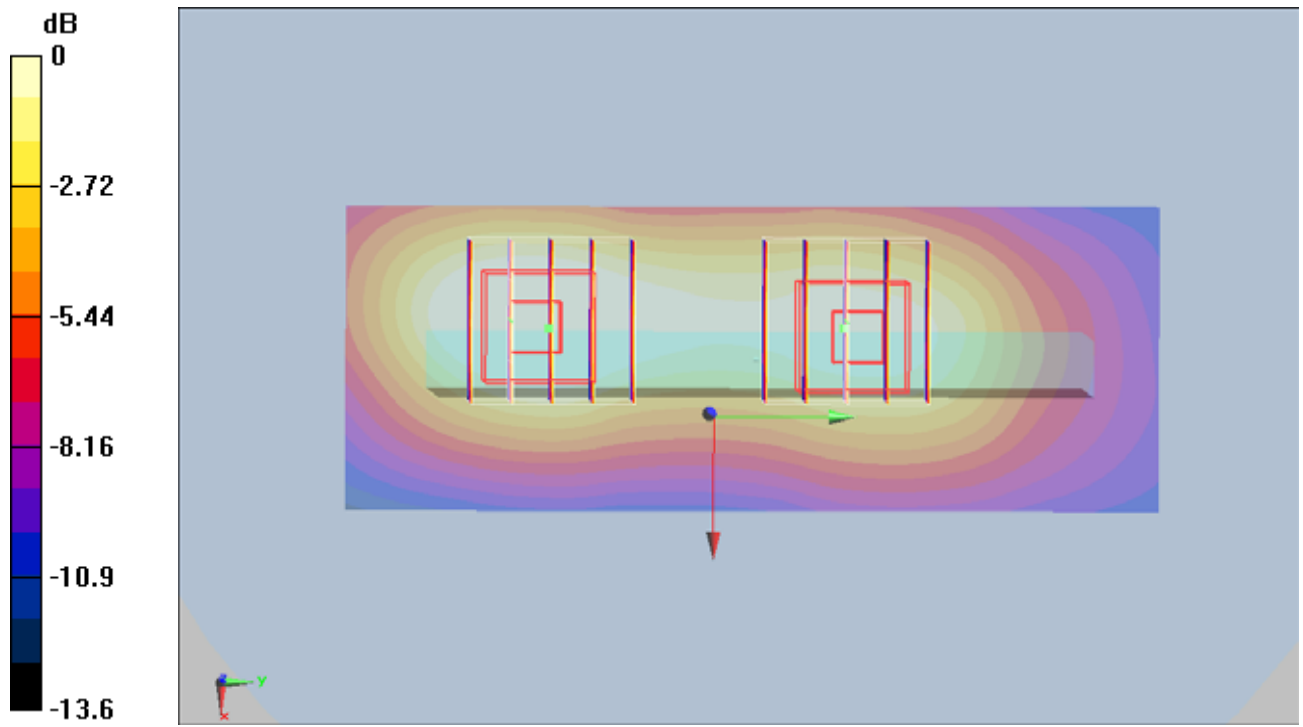
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.178 dB

Peak SAR (extrapolated) = 0.359 W/kg

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.147 mW/g**

Maximum value of SAR (measured) = 0.250 mW/g



0 dB = 0.250mW/g

## #73 LTE Band 4\_QPSK(25-13)\_Down Side\_1cm\_Ch20175

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
Medium: MSL\_1800\_110602 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.543 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

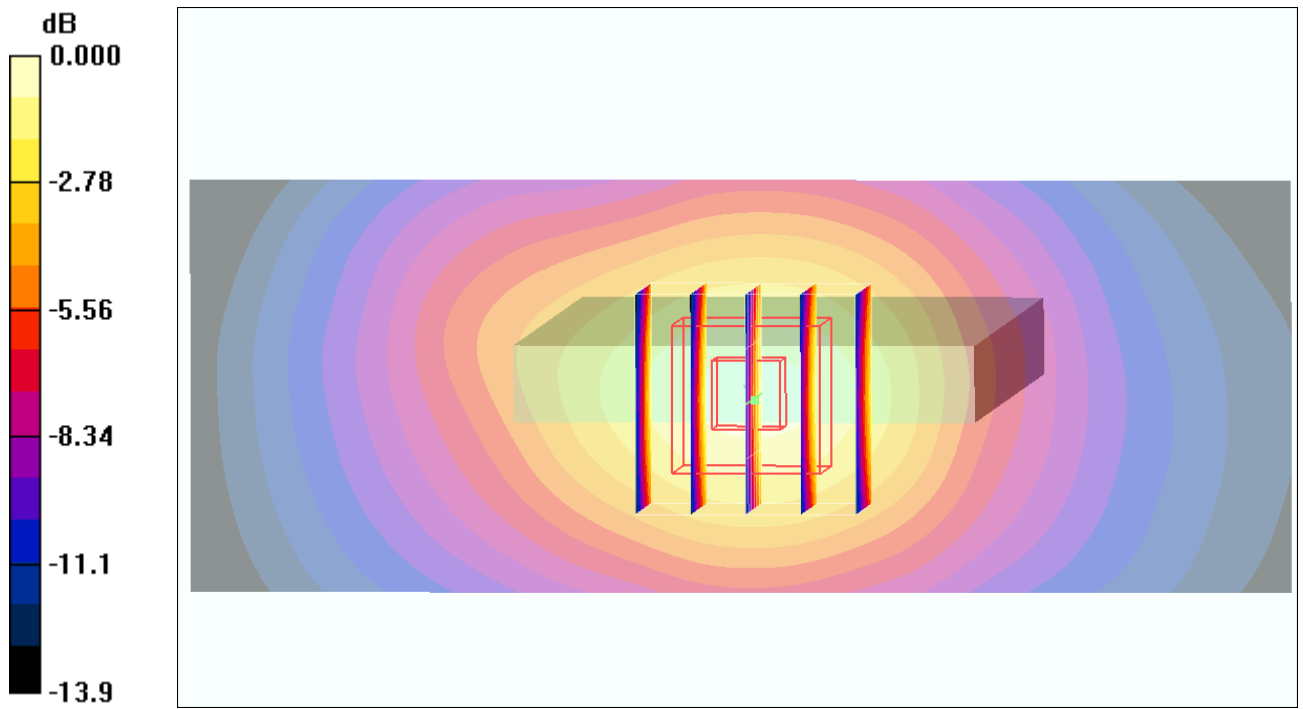
Reference Value = 19.9 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.847 W/kg

**SAR(1 g) = 0.558 mW/g; SAR(10 g) = 0.346 mW/g**

Maximum value of SAR (measured) = 0.608 mW/g





0 dB = 0.608mW/g

**#156 LTE Band 4\_QPSK(1-0)\_Down Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (21x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.546 mW/g

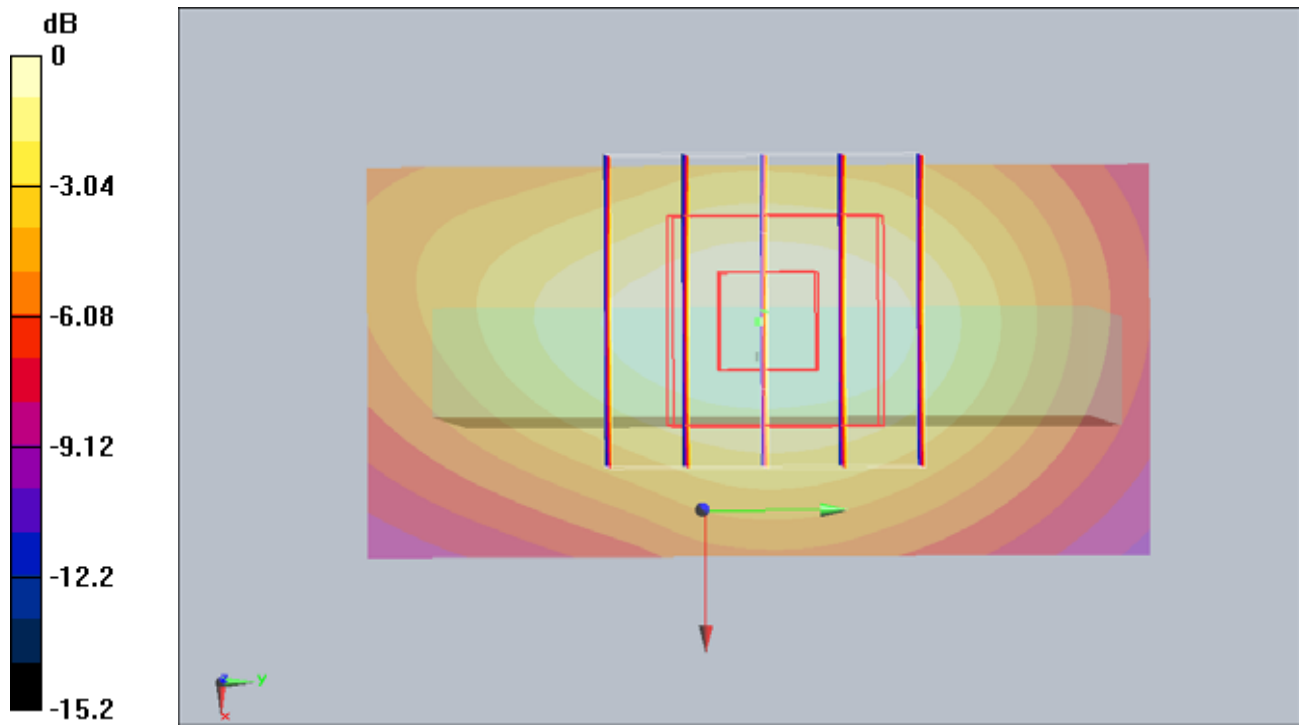
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = 0.164 dB

Peak SAR (extrapolated) = 0.798 W/kg

**SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.298 mW/g**

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.545mW/g

**#157 LTE Band 4\_QPSK(1-49)\_Down Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (21x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.542 mW/g

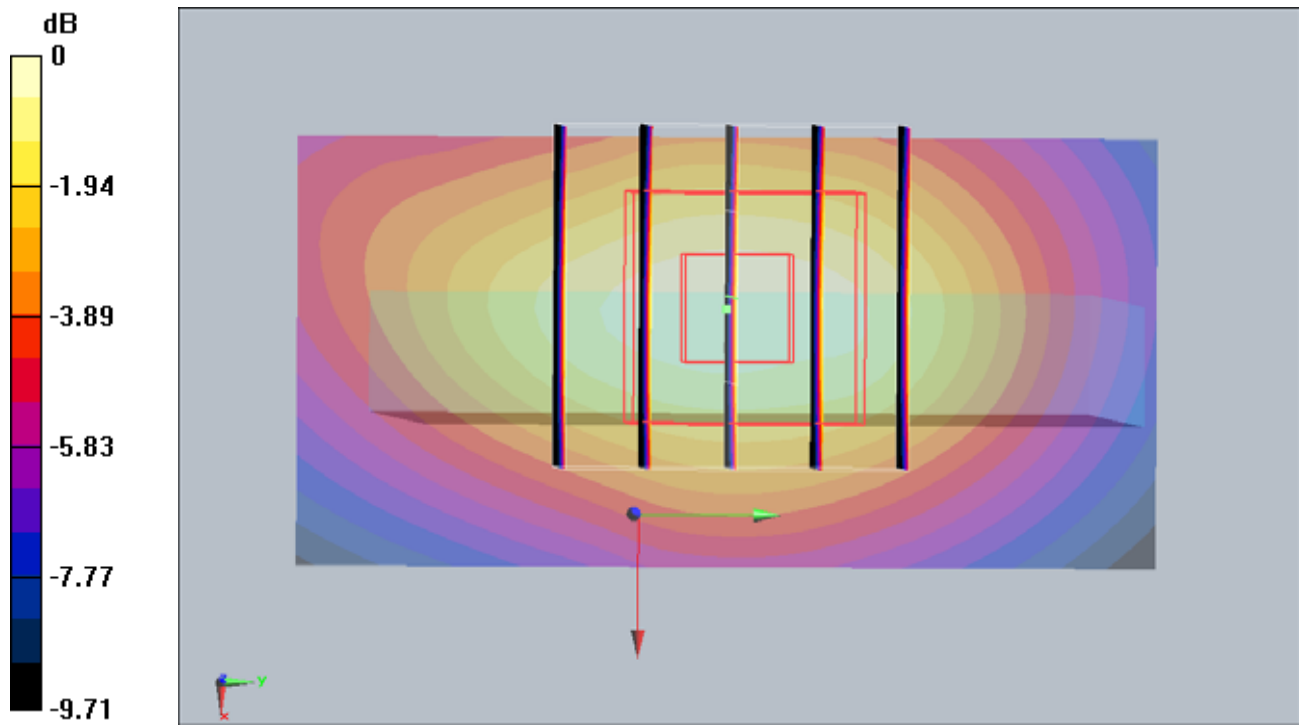
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.301 mW/g**

Maximum value of SAR (measured) = 0.564 mW/g



0 dB = 0.564mW/g

**#158 LTE Band 4\_QPSK(25-13)\_Front Face\_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

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

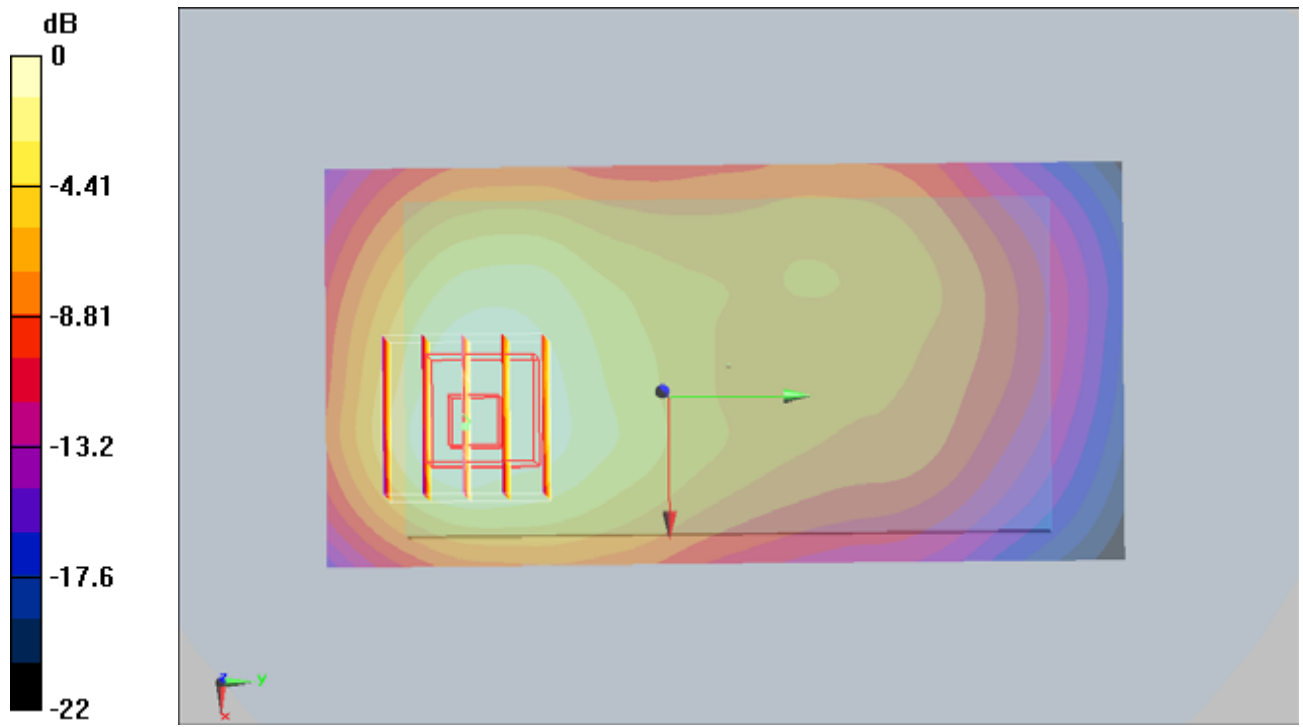
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.543 mW/g**

Maximum value of SAR (measured) = 0.926 mW/g



0 dB = 0.926mW/g

**#159 LTE Band 4\_QPSK(1-0)\_Front Face\_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

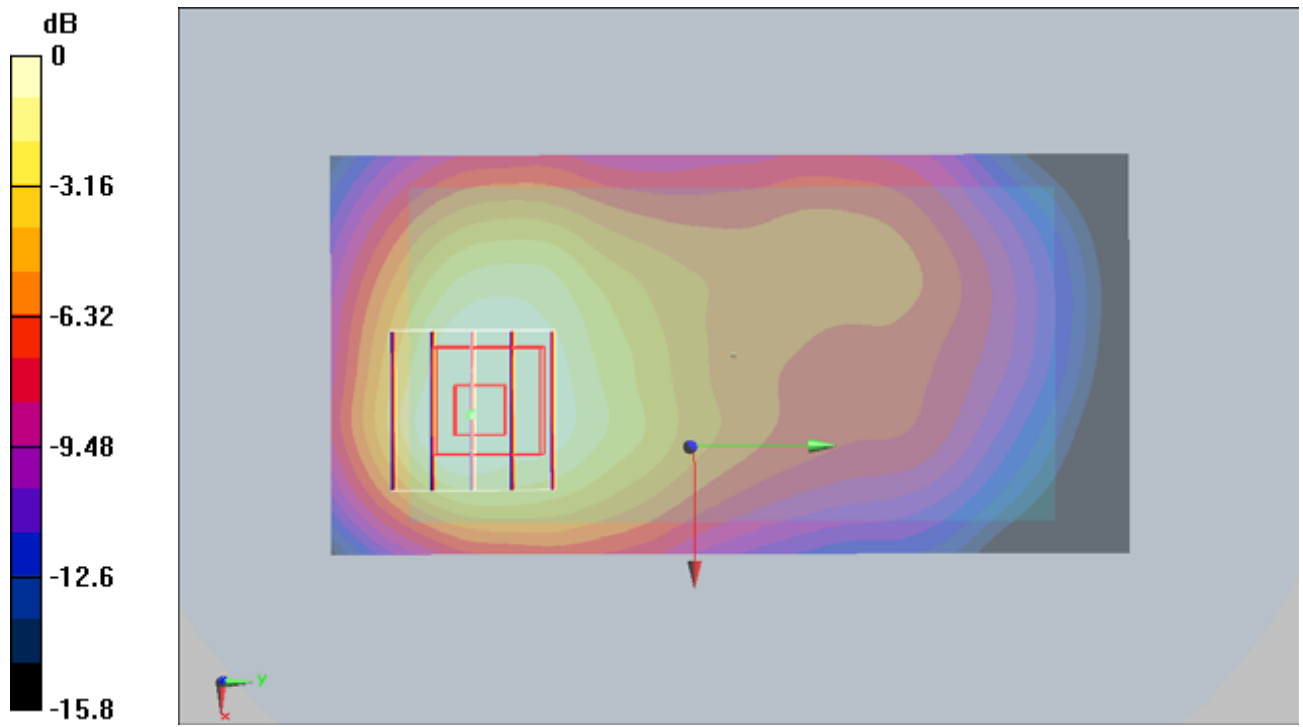
Reference Value = 12.7 V/m; Power Drift = -0.160 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.498 mW/g**

Maximum value of SAR (measured) = 0.854 mW/g





0 dB = 0.854mW/g

**#160 LTE Band 4\_QPSK(1-49)\_Front Face\_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.982 mW/g

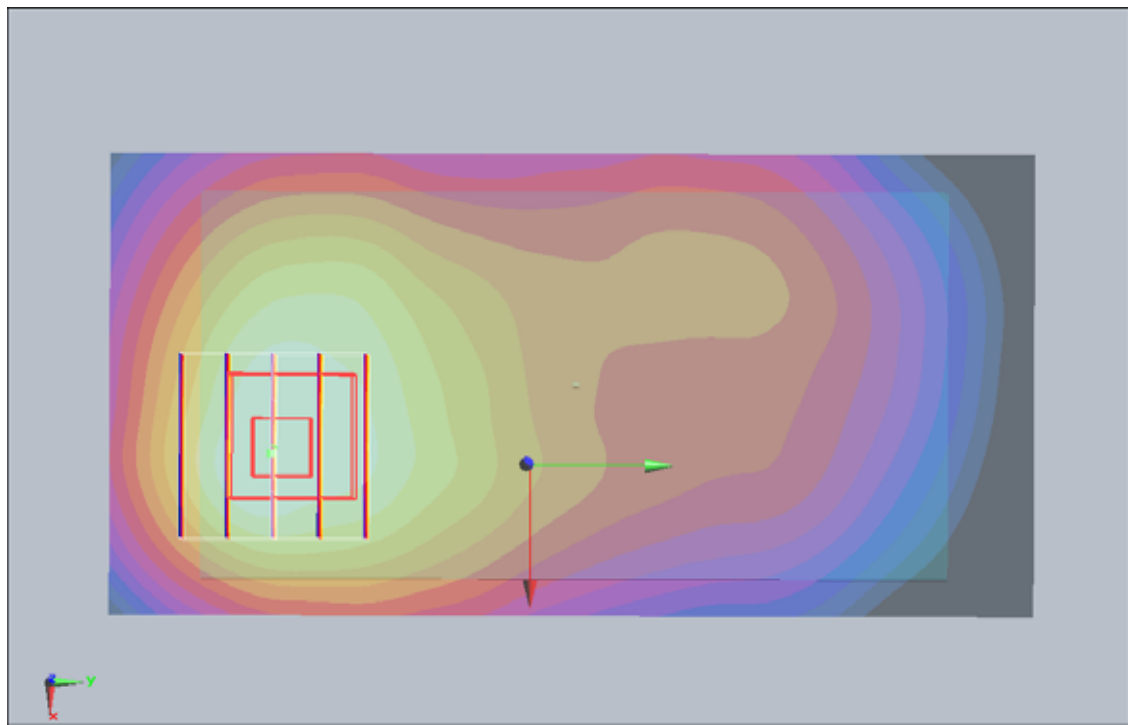
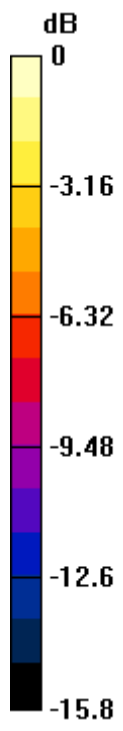
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.1 V/m; Power Drift = 0.035 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.806 mW/g; SAR(10 g) = 0.508 mW/g**

Maximum value of SAR (measured) = 0.872 mW/g



0 dB = 0.872mW/g

**#179 LTE Band 4\_16QAM(25-13)\_Front Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

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

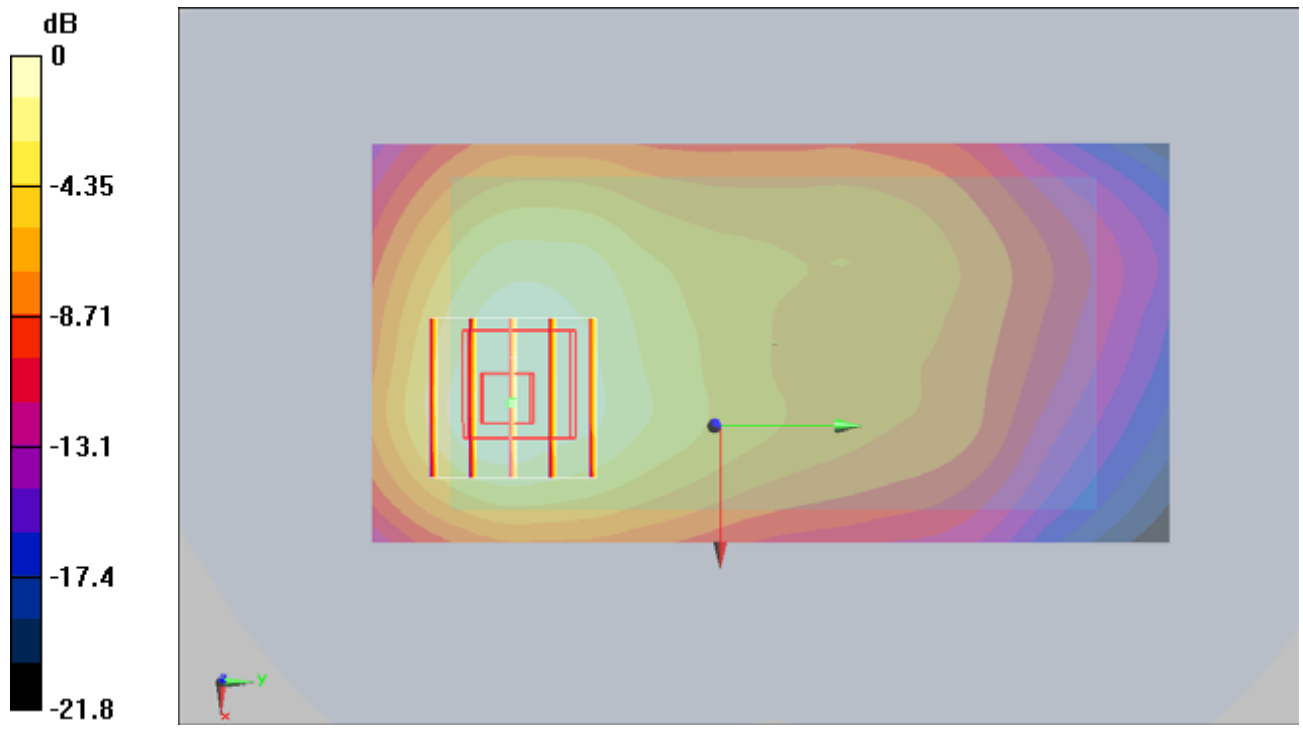
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.5 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.916 mW/g



0 dB = 0.916mW/g

**#179 LTE Band 4\_16QAM(25-13)\_Front Face \_1cm\_Ch20175\_2D**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

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

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

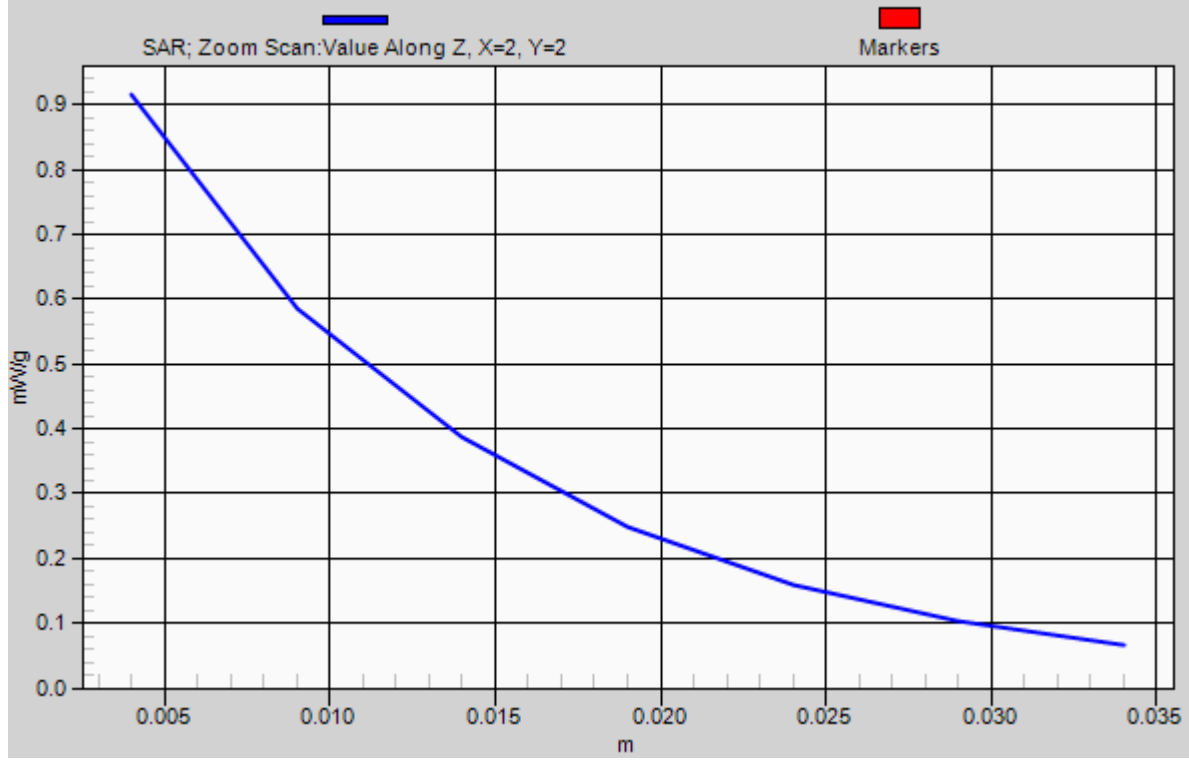
Reference Value = 12.5 V/m; Power Drift = 0.185 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 0.916 mW/g

# 1g/10g Averaged SAR



**#180 LTE Band 4\_16QAM(1-0)\_Front Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.963 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

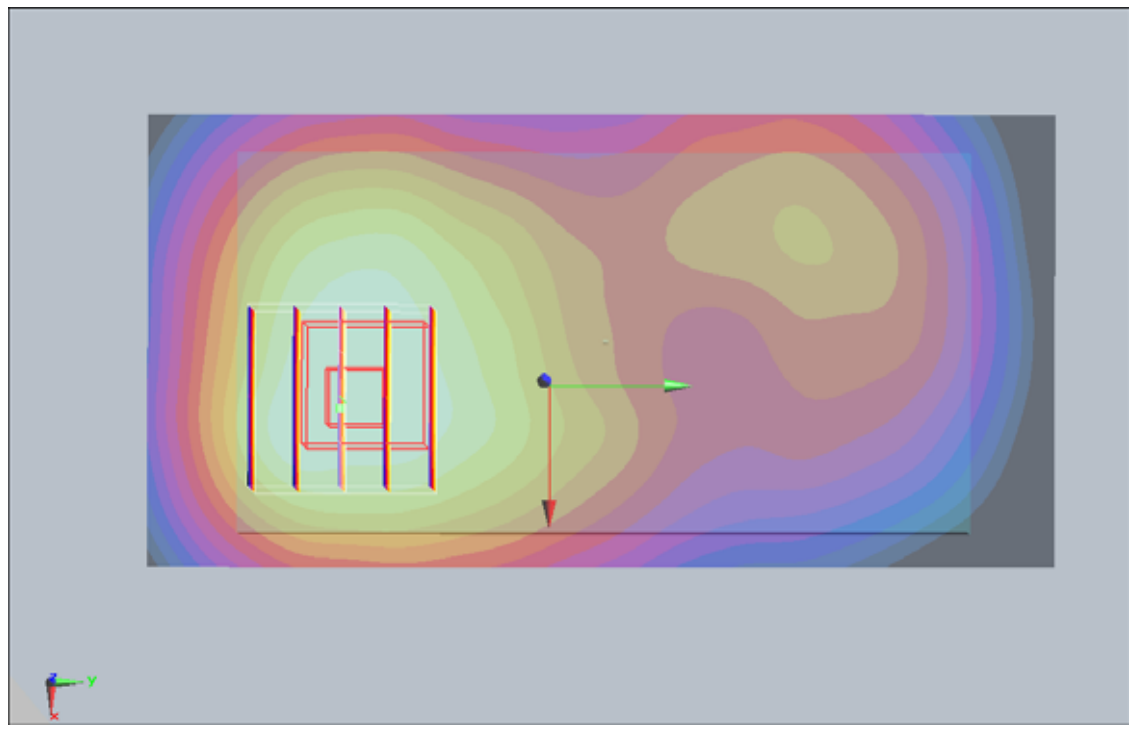
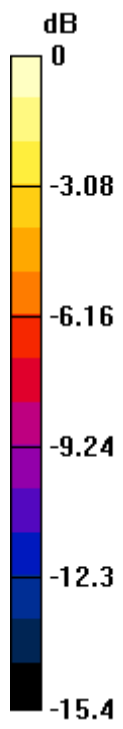
Reference Value = 12.4 V/m; Power Drift = -0.00861 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.528 mW/g**

Maximum value of SAR (measured) = 0.874 mW/g





0 dB = 0.874mW/g

**#181 LTE Band 4\_16QAM(1-49)\_Front Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.976 mW/g

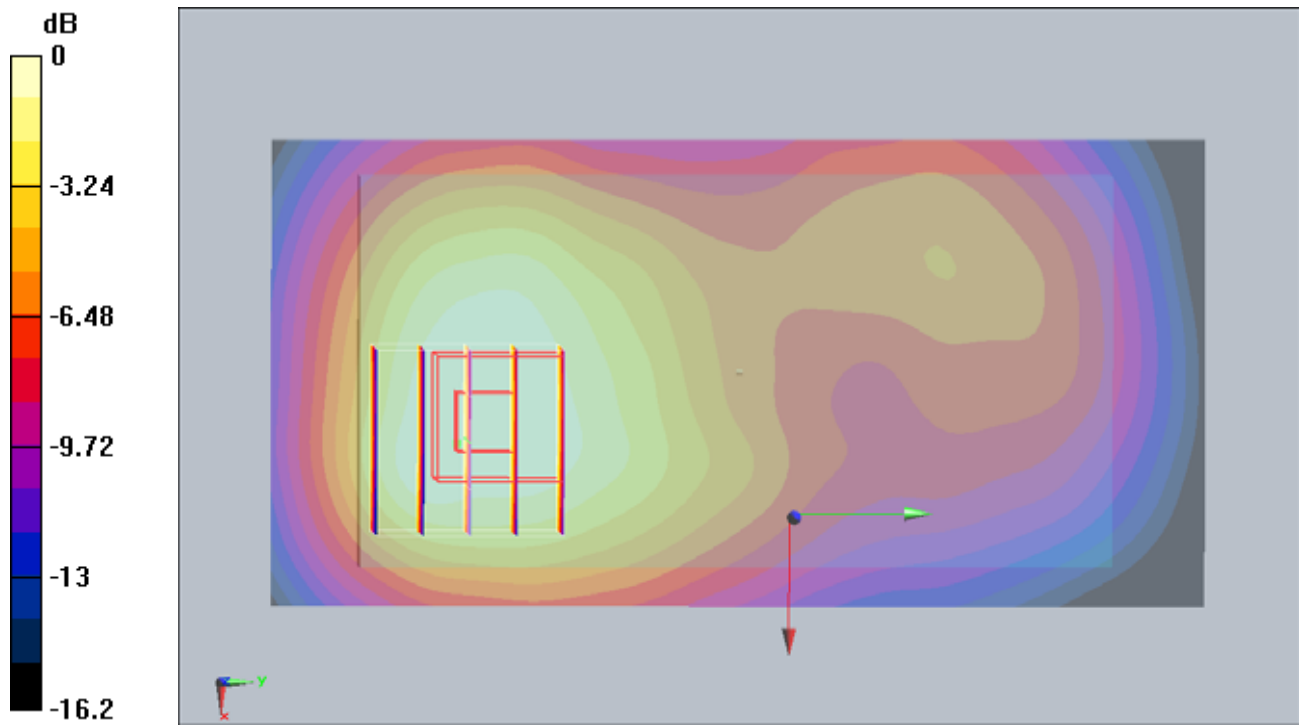
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.539 mW/g**

Maximum value of SAR (measured) = 0.891 mW/g



0 dB = 0.891mW/g

**#182 LTE Band 4\_16QAM(25-13)\_Rear Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.689 mW/g

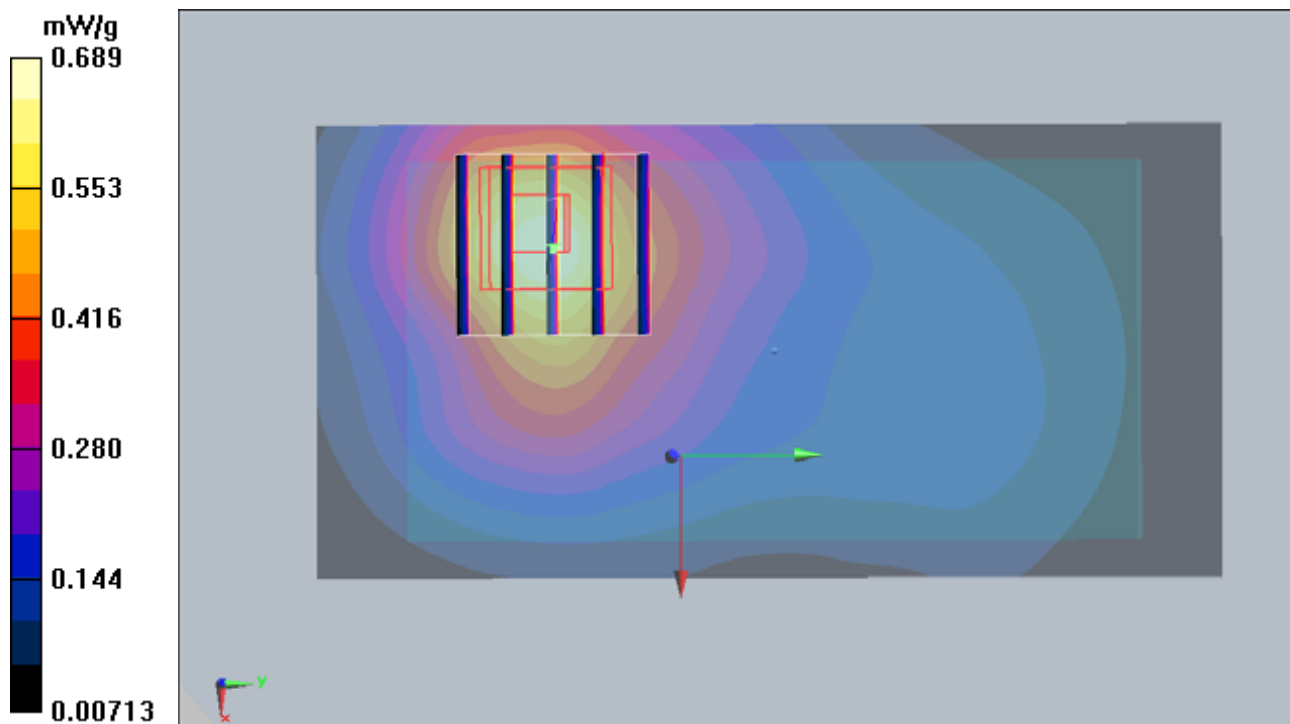
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.393 mW/g**

Maximum value of SAR (measured) = 0.676 mW/g



**#183 LTE Band 4\_16QAM(1-0)\_Rear Face\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.701 mW/g

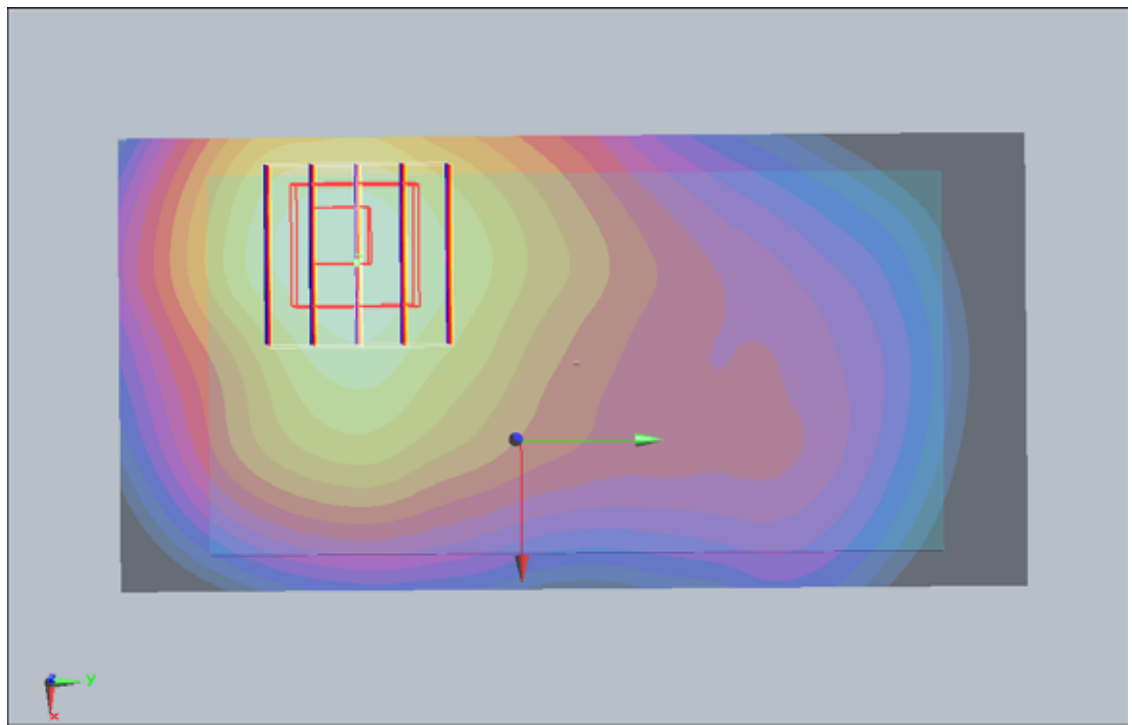
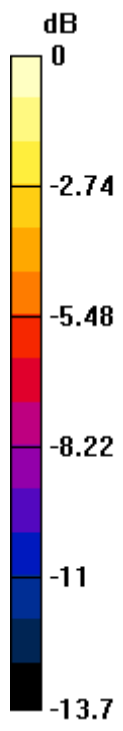
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.01 W/kg

**SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.398 mW/g**

Maximum value of SAR (measured) = 0.675 mW/g



0 dB = 0.675mW/g

**#184 LTE Band 4\_16QAM(1-49)\_Rear Face \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.718 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

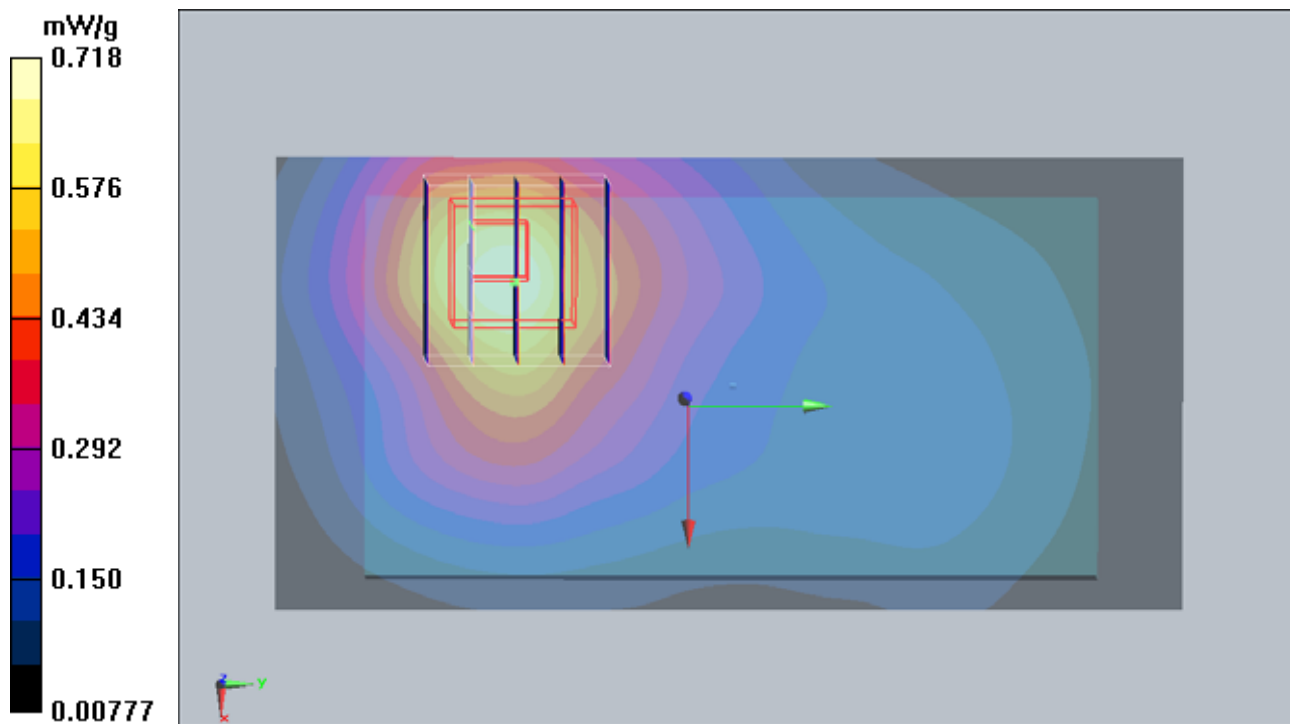
Reference Value = 11.3 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.406 mW/g**

Maximum value of SAR (measured) = 0.694 mW/g





**#185 LTE Band 4\_16QAM(25-13)\_Left Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.208 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.95 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.273 W/kg

**SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.112 mW/g**

Maximum value of SAR (measured) = 0.192 mW/g

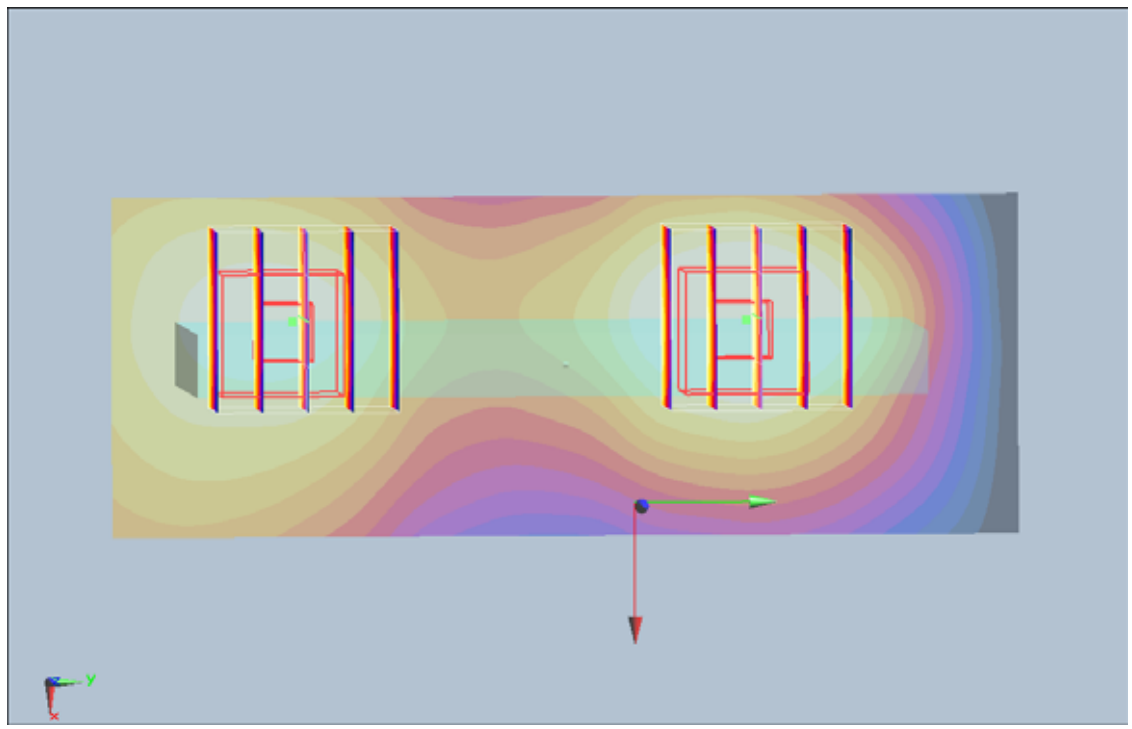
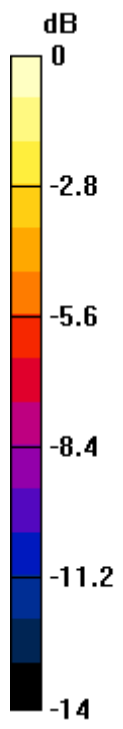
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.95 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.088 mW/g**

Maximum value of SAR (measured) = 0.147 mW/g



0 dB = 0.147mW/g

**#186 LTE Band 4\_16QAM(1-0)\_Left Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used :  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.199 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.95 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.113 mW/g**

Maximum value of SAR (measured) = 0.195 mW/g

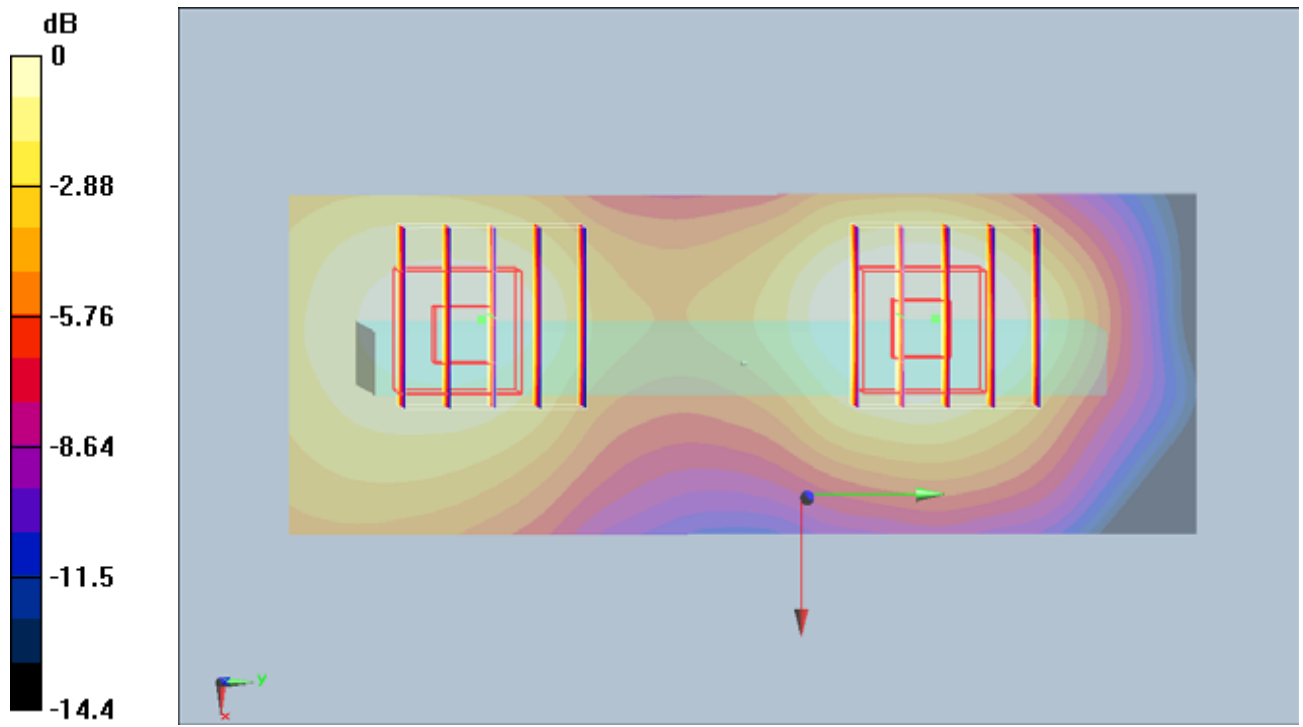
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.95 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.210 W/kg

**SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.087 mW/g**

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



0 dB = 0.146mW/g

**#187 LTE Band 4\_16QAM(1-49)\_Left Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.214 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.01 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.116 mW/g**

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

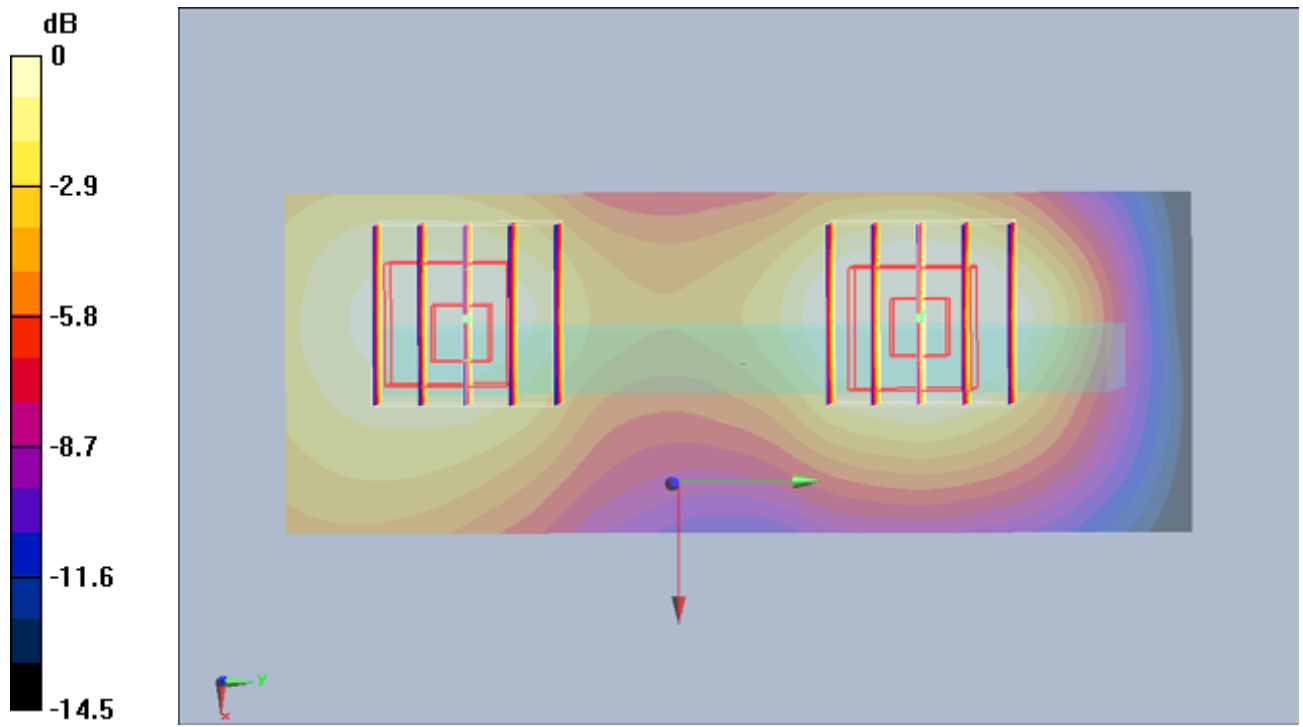
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.01 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.212 W/kg

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.090 mW/g**

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



0 dB = 0.148mW/g

**#188 LTE Band 4\_16QAM(25-13)\_Right Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.351 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.5 V/m; Power Drift = 0.171 dB

Peak SAR (extrapolated) = 0.528 W/kg

**SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.197 mW/g**

Maximum value of SAR (measured) = 0.365 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

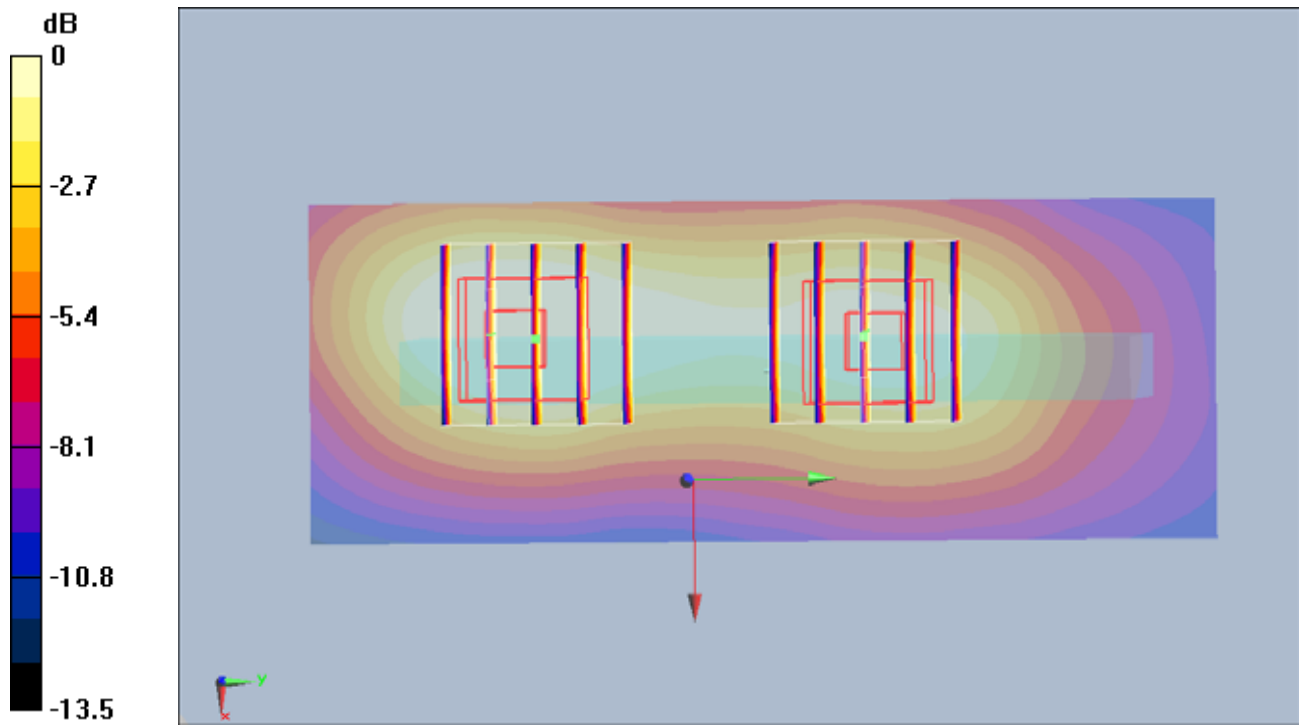
Reference Value = 11.5 V/m; Power Drift = 0.171 dB

Peak SAR (extrapolated) = 0.359 W/kg

**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.145 mW/g**

Maximum value of SAR (measured) = 0.246 mW/g





0 dB = 0.246mW/g

**#189 LTE Band 4\_16QAM(1-0)\_Right Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.368 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.552 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.206 mW/g**

Maximum value of SAR (measured) = 0.378 mW/g

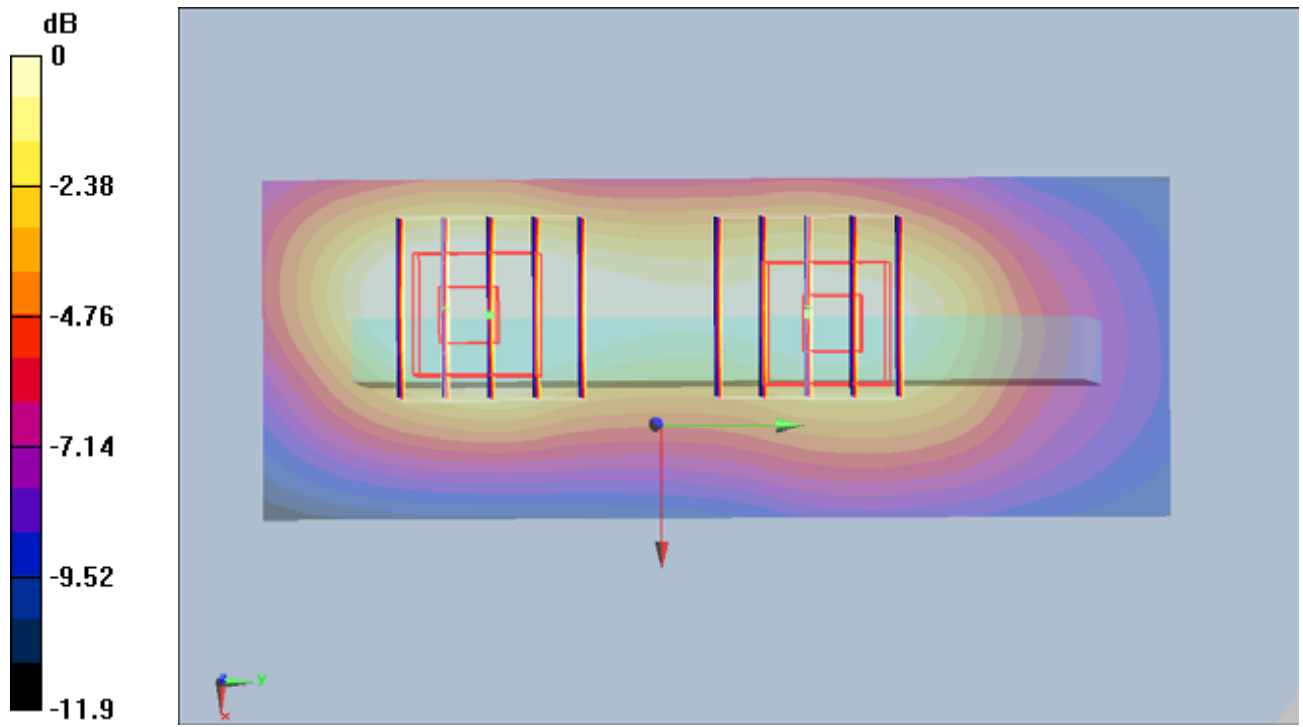
**Ch20175/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.8 V/m; Power Drift = 0.158 dB

Peak SAR (extrapolated) = 0.368 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.258 mW/g



0 dB = 0.258mW/g

**#190 LTE Band 4\_16QAM(1-49)\_Right Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (31x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.414 mW/g

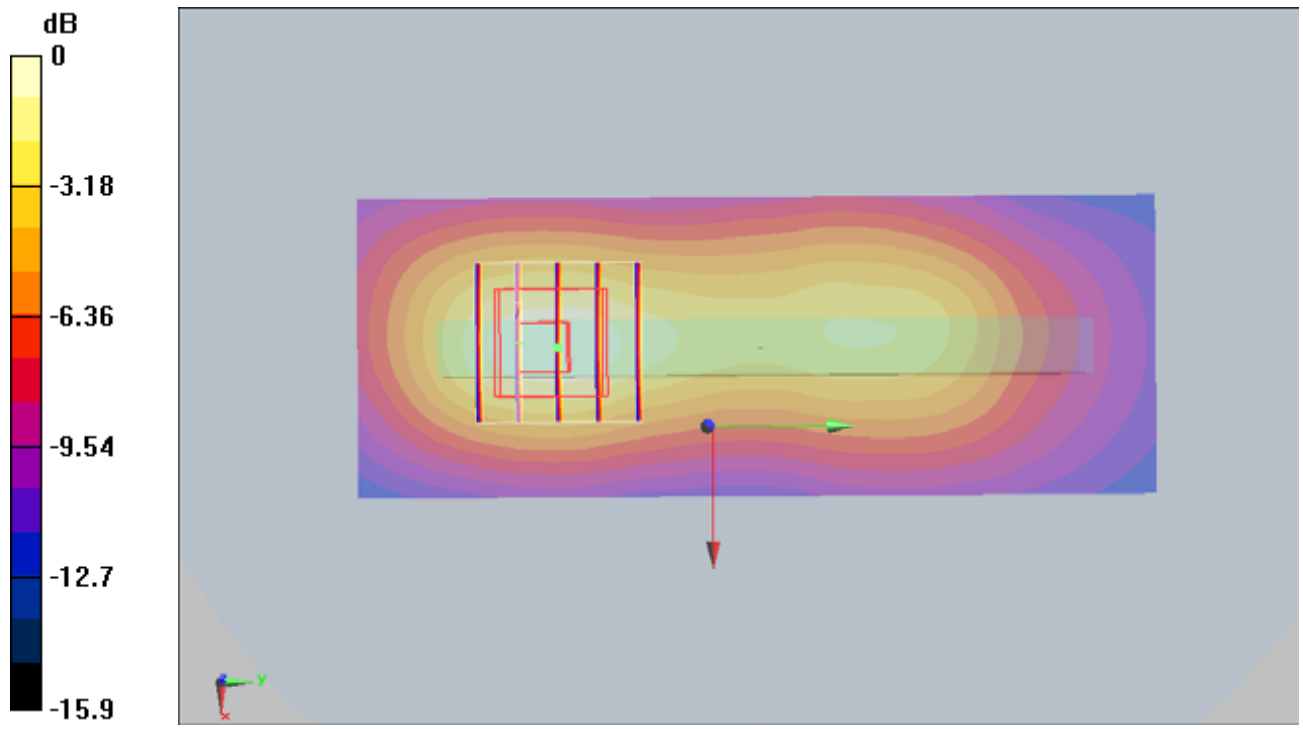
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.2 V/m; Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.611 W/kg

**SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.218 mW/g**

Maximum value of SAR (measured) = 0.406 mW/g



0 dB = 0.406mW/g

**#191 LTE Band 4\_16QAM(25-13)\_Down Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (21x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.502 mW/g

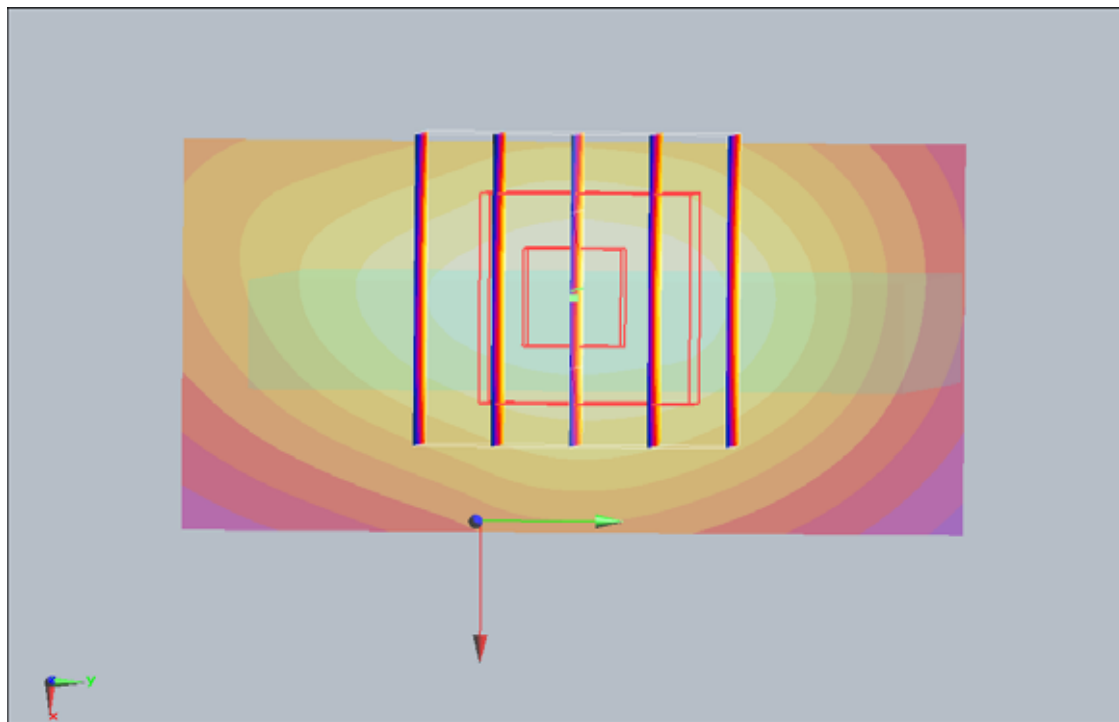
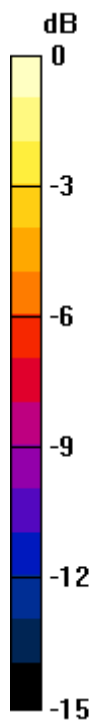
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.1 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.761 W/kg

**SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.280 mW/g**

Maximum value of SAR (measured) = 0.521 mW/g



0 dB = 0.521mW/g

**#192 LTE Band 4\_16QAM(1-0)\_Down Side\_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (21x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.502 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

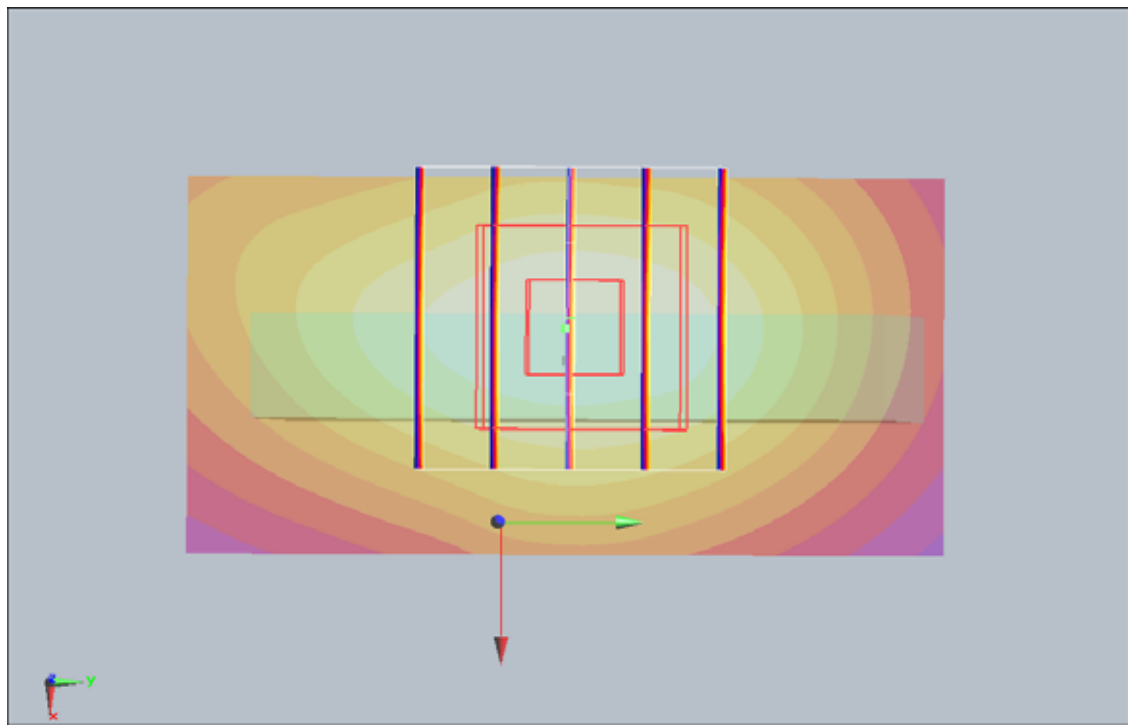
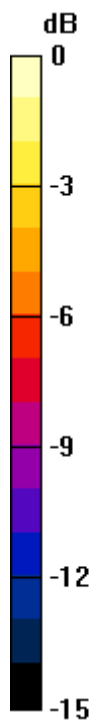
Reference Value = 18.1 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.744 W/kg

**SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.278 mW/g**

Maximum value of SAR (measured) = 0.513 mW/g





0 dB = 0.513mW/g

**#193 LTE Band 4\_16QAM(1-49)\_Down Side \_1cm\_Ch20175**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (21x41x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.508 mW/g

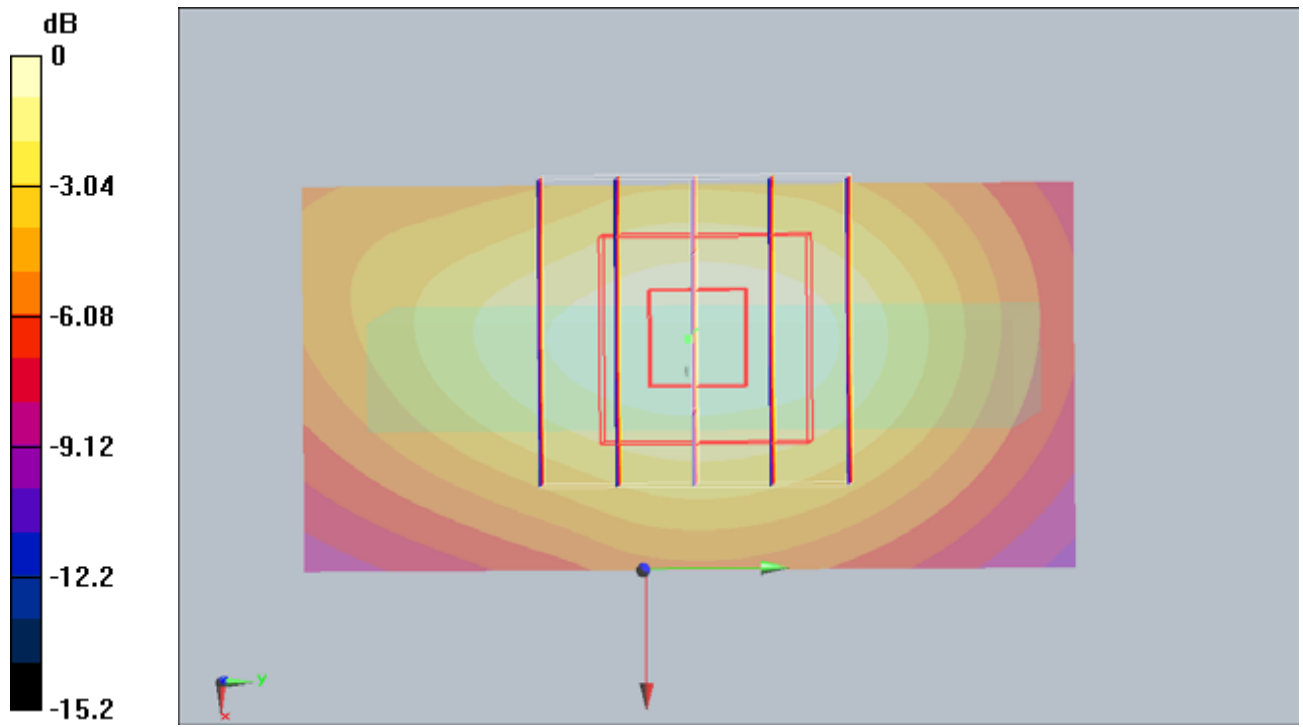
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.2 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 0.767 W/kg

**SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.284 mW/g**

Maximum value of SAR (measured) = 0.527 mW/g



0 dB = 0.527mW/g

**#194 LTE Band 4\_16QAM(25-13)\_Front Face \_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.947 mW/g

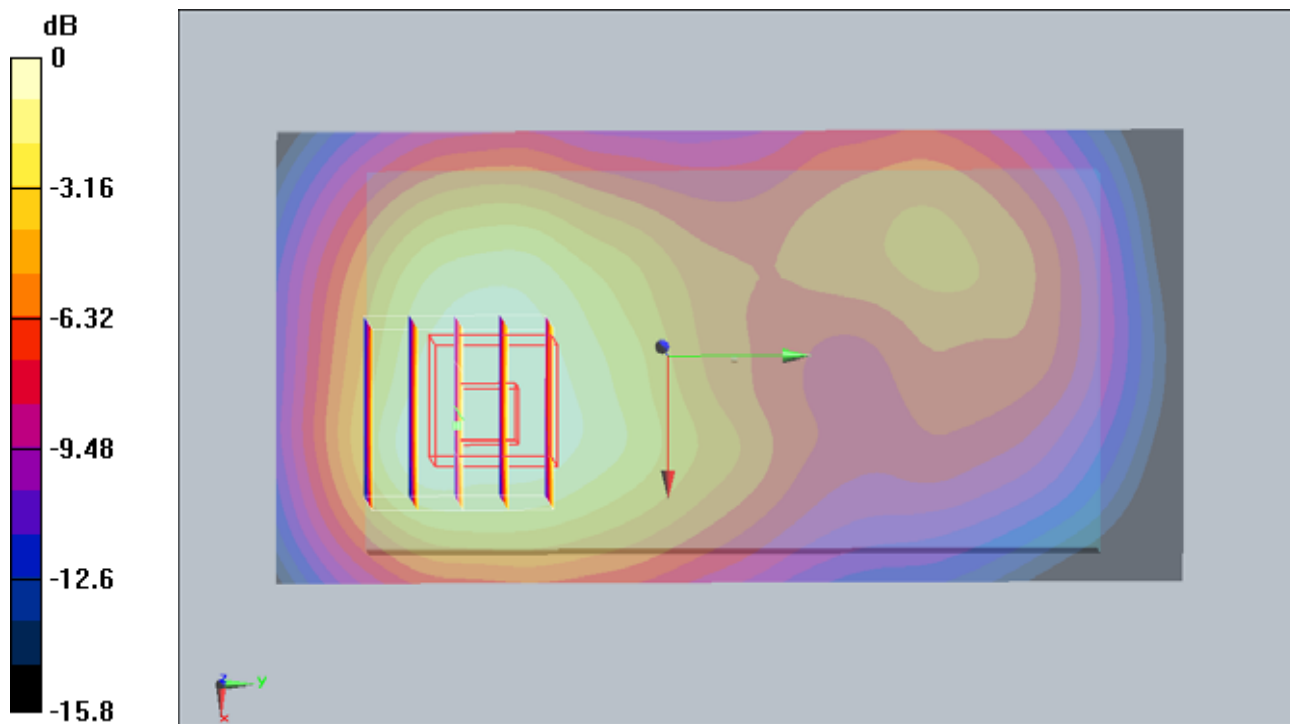
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.3 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.525 mW/g**

Maximum value of SAR (measured) = 0.857 mW/g



**#195 LTE Band 4\_16QAM(1-0)\_Front Face \_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.923 mW/g

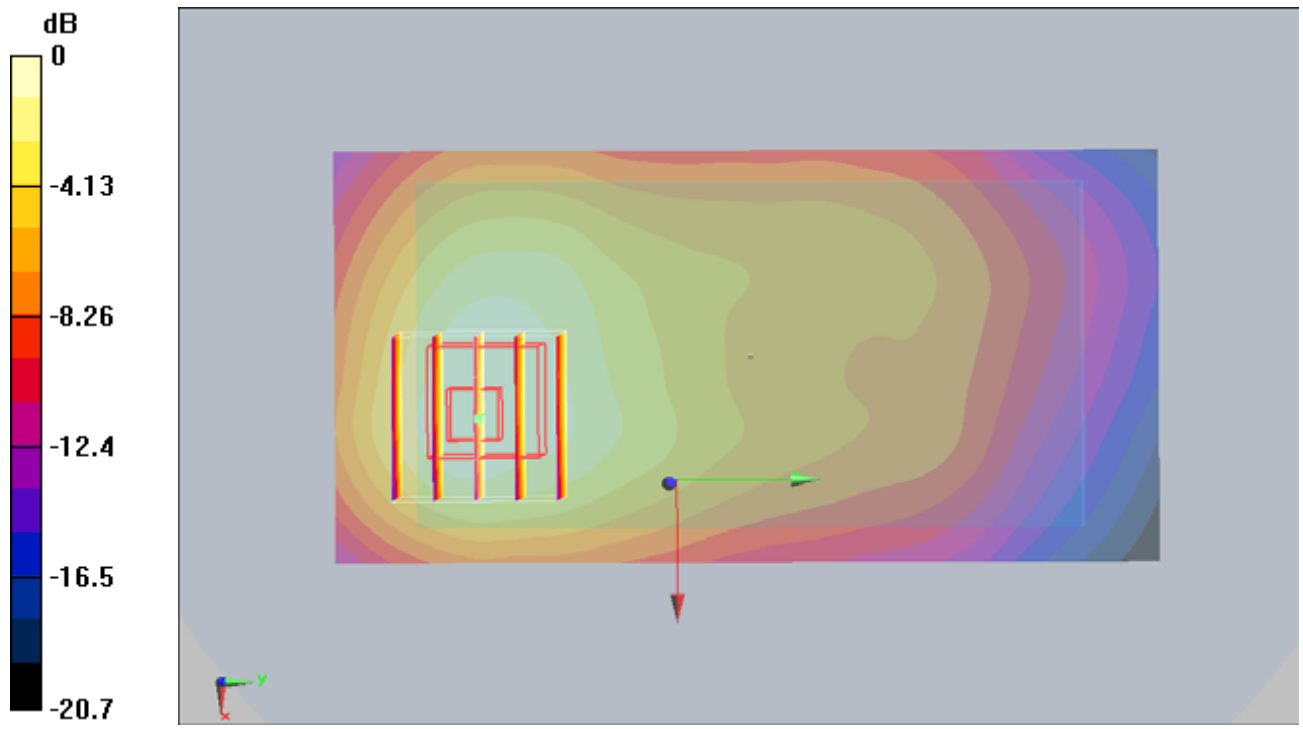
**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.781 mW/g; SAR(10 g) = 0.490 mW/g**

Maximum value of SAR (measured) = 0.843 mW/g



**#196 LTE Band 4\_16QAM(1-49)\_Front Face\_1cm\_Ch20175\_Earphone**

**DUT: 142244-01**

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL\_1800\_110605 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.47$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.41, 7.41, 7.41); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1249; Calibrated: 2011/2/21
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

**Ch20175/Area Scan (41x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.953 mW/g

**Ch20175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

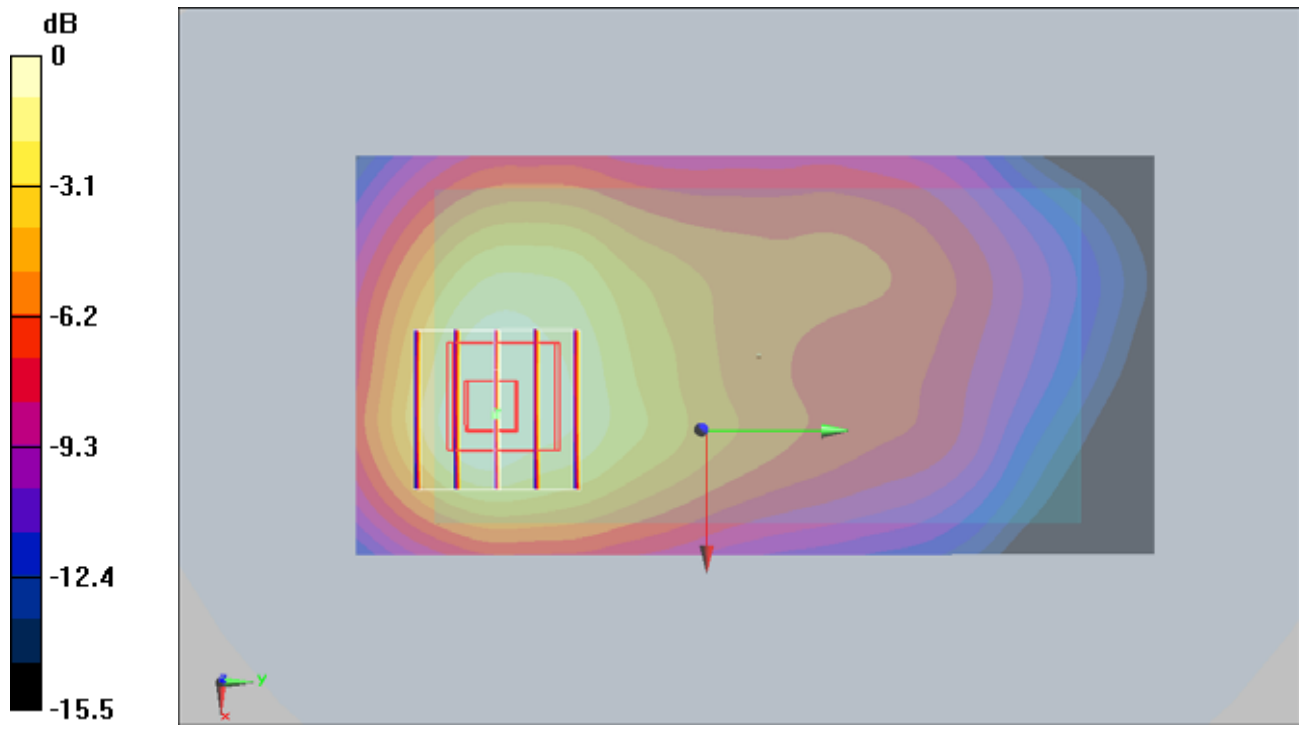
Reference Value = 12.5 V/m; Power Drift = 0.044 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.502 mW/g**

Maximum value of SAR (measured) = 0.857 mW/g





0 dB = 0.857mW/g

## #83 802.11b\_Right Cheek\_Ch11

**DUT: 14224-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$   
mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.77, 6.77, 6.77); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.457 mW/g

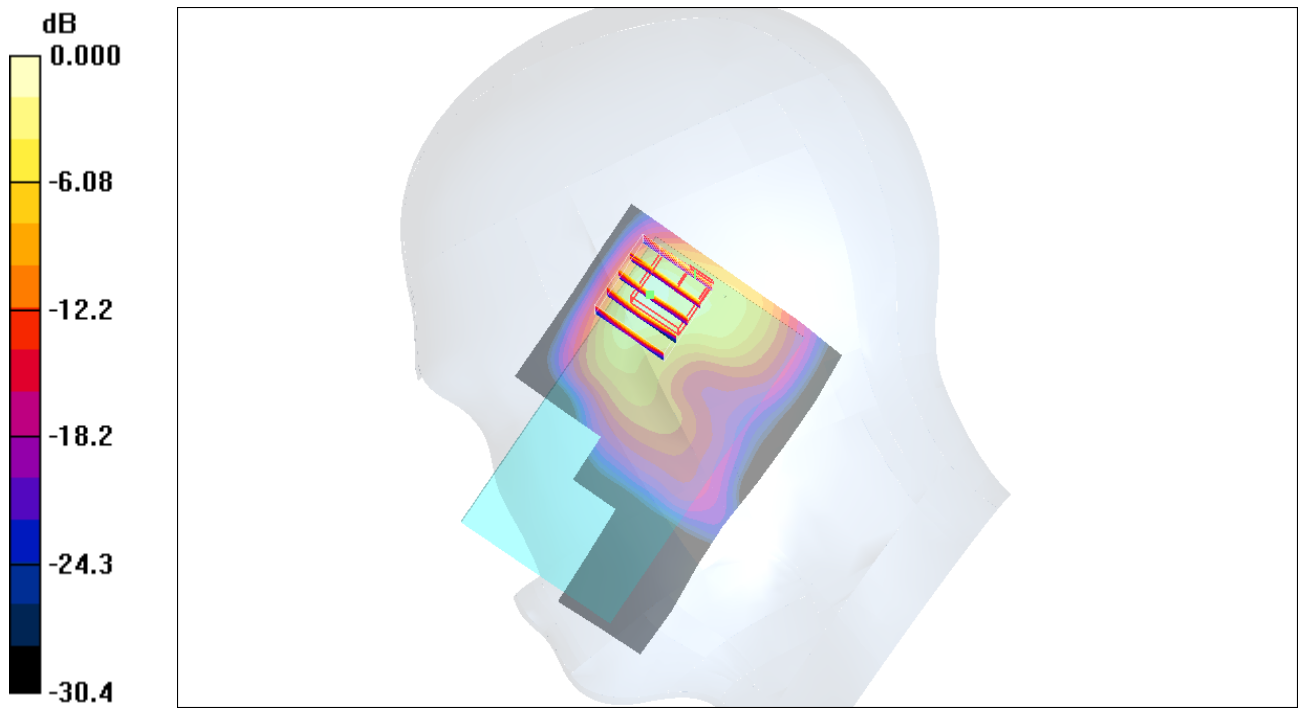
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
dz=5mm

Reference Value = 15.4 V/m; Power Drift = 0.159 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.180 mW/g**

Maximum value of SAR (measured) = 0.486 mW/g



0 dB = 0.486mW/g

## #84 802.11b\_Right Tilted\_Ch11

### DUT: 14224-01

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$   
mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.77, 6.77, 6.77); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.286 mW/g

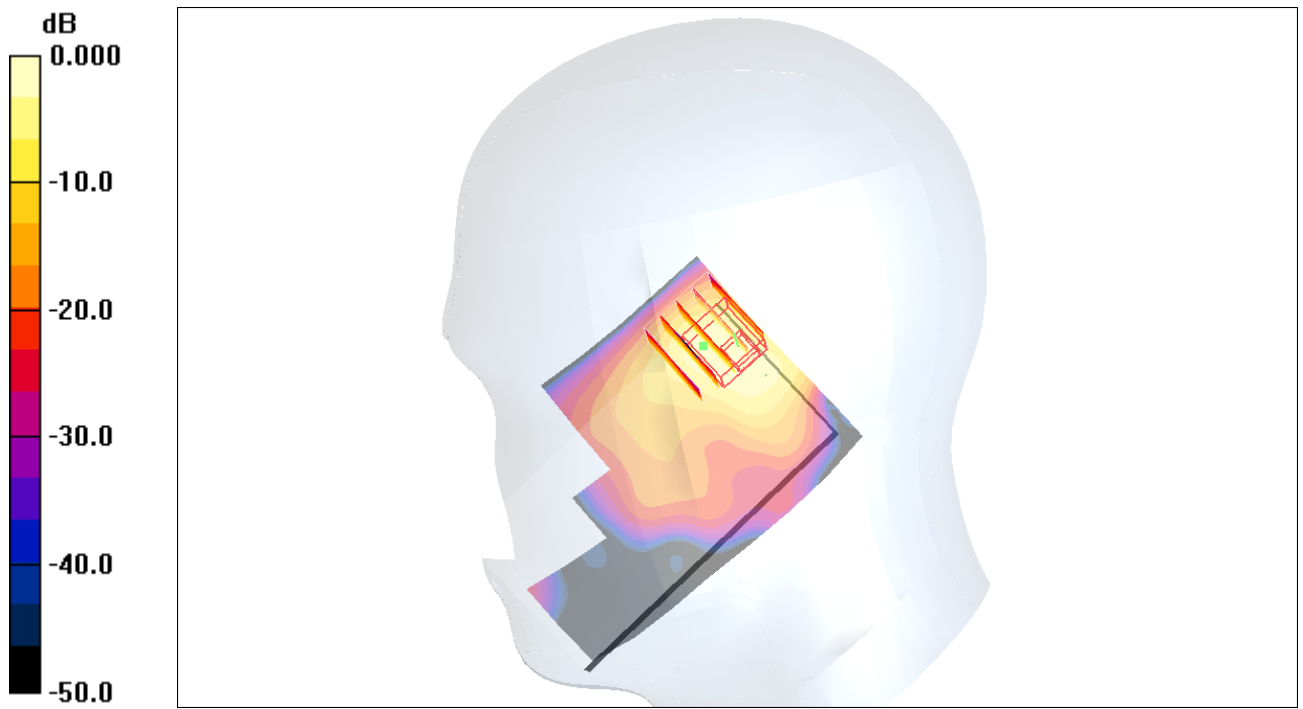
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
dz=5mm

Reference Value = 16.0 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.765 mW/g



0 dB = 0.765mW/g

## #84 802.11b\_Right Tilted\_Ch11\_2D

**DUT: 14224-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$   
mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.77, 6.77, 6.77); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.286 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm,  
dz=5mm

Reference Value = 16.0 V/m; Power Drift = 0.010 dB

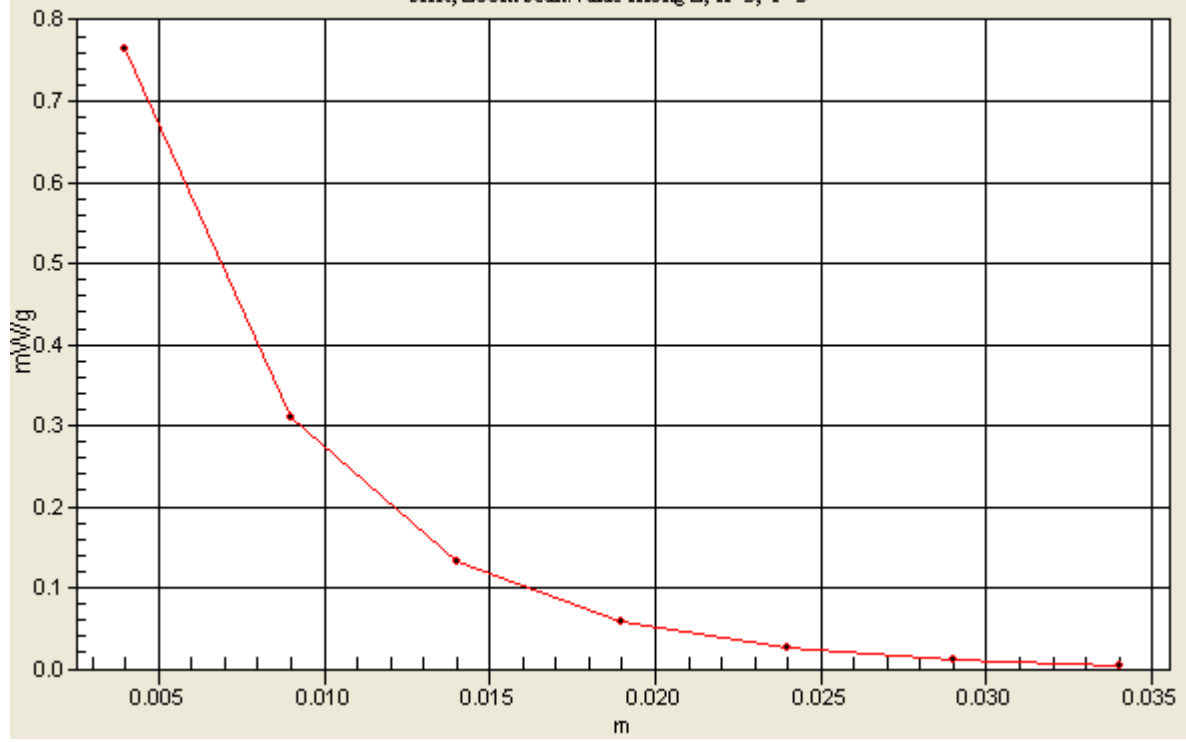
Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.765 mW/g

# 1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=3, Y=3



## #85 802.11b\_Left Cheek\_Ch11

**DUT: 14224-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$   
mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.77, 6.77, 6.77); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.535 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

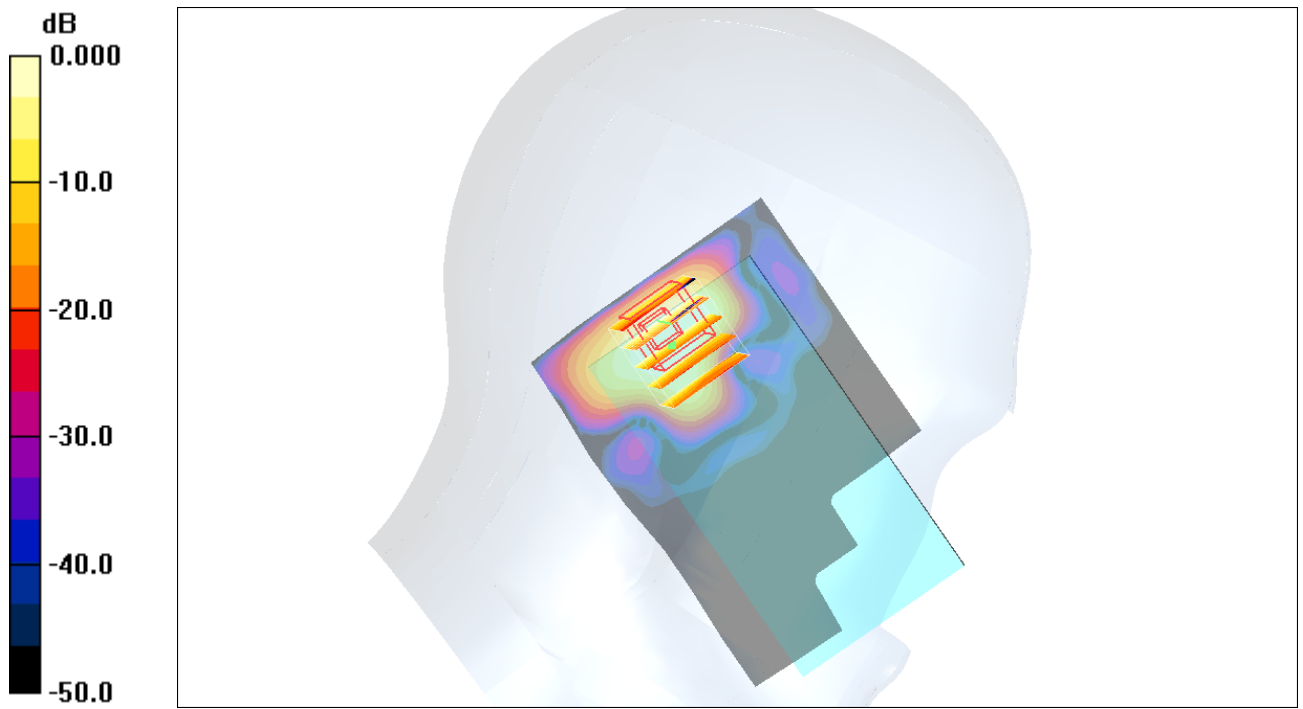
Reference Value = 14.0 V/m; Power Drift = 0.175 dB

Peak SAR (extrapolated) = 0.705 W/kg

**SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.104 mW/g**

Maximum value of SAR (measured) = 0.357 mW/g





0 dB = 0.357mW/g

## #86 802.11b\_Left Tilted\_Ch11

### DUT: 14224-01

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: HSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.85$   
mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.77, 6.77, 6.77); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x71x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.591 mW/g

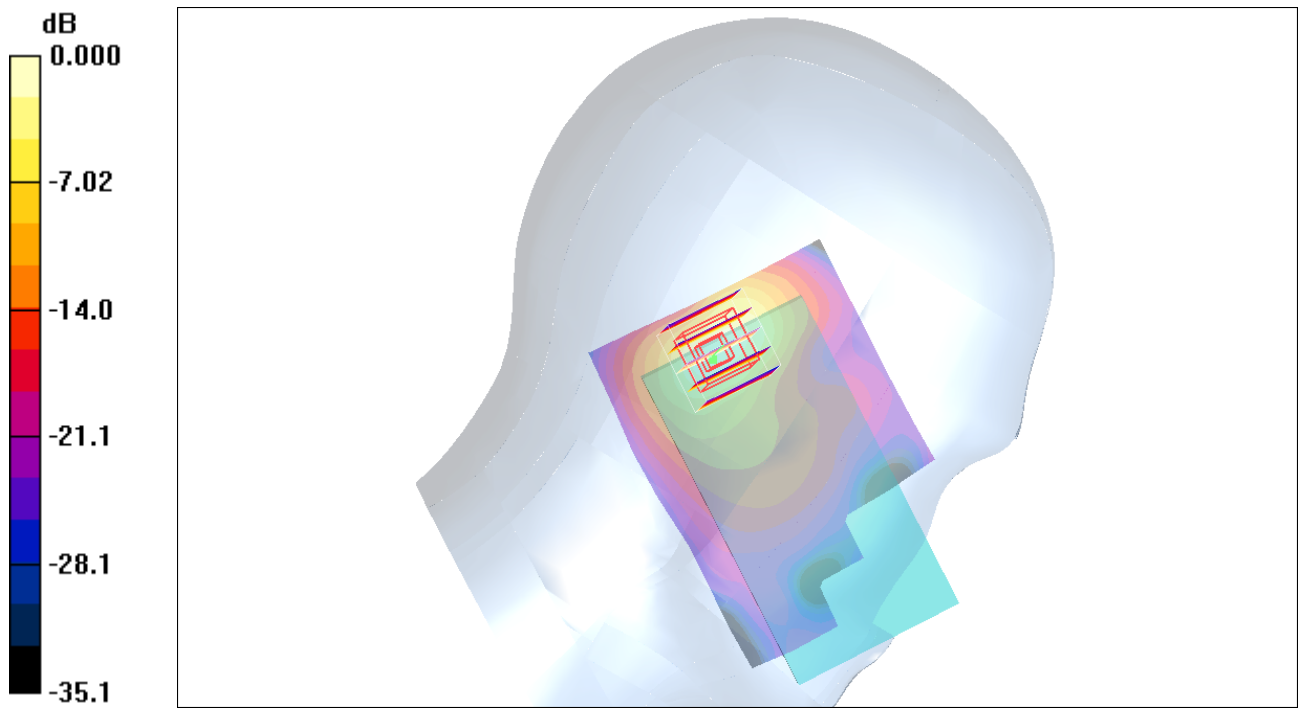
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.6 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.158 mW/g**

Maximum value of SAR (measured) = 0.579 mW/g



0 dB = 0.579mW/g

## #87 802.11b\_Front Face\_1cm\_Ch11

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm

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

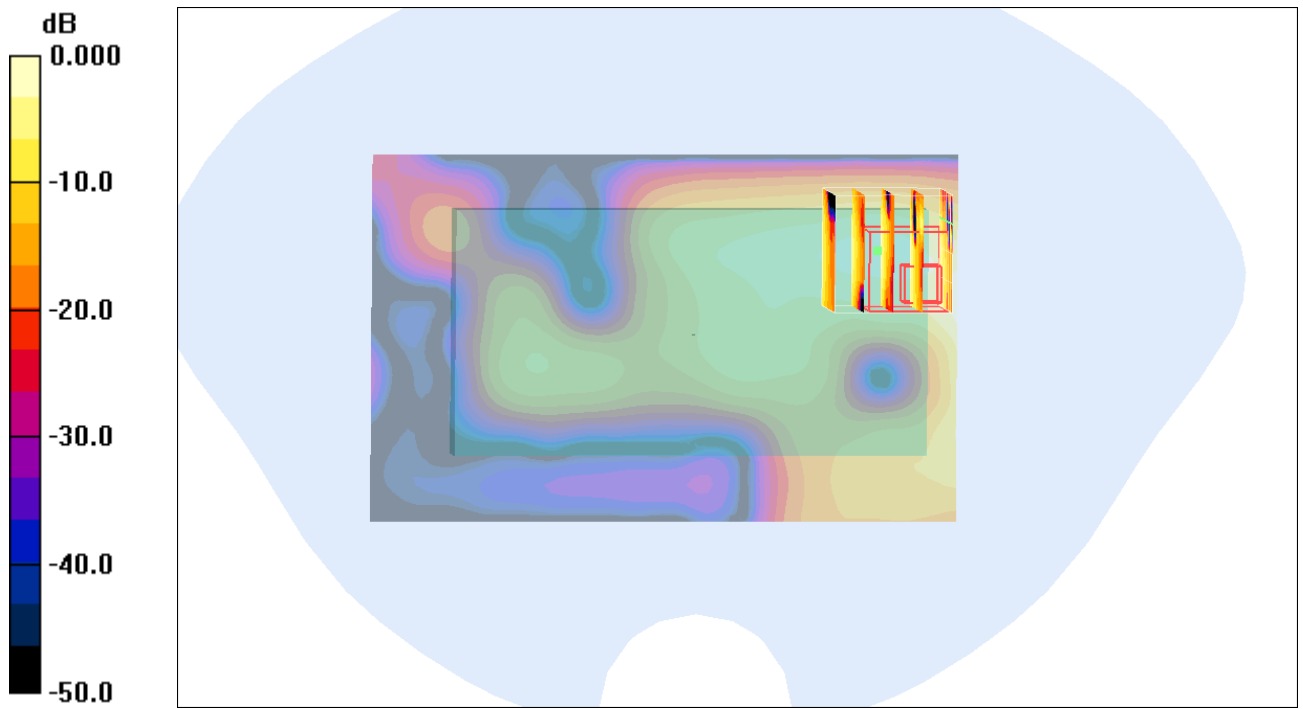
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.05 V/m; Power Drift = 0.102 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.022 mW/g**

Maximum value of SAR (measured) = 0.089 mW/g



0 dB = 0.089mW/g

## #88 802.11b\_Rear Face\_1cm\_Ch11

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.062 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.10 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g

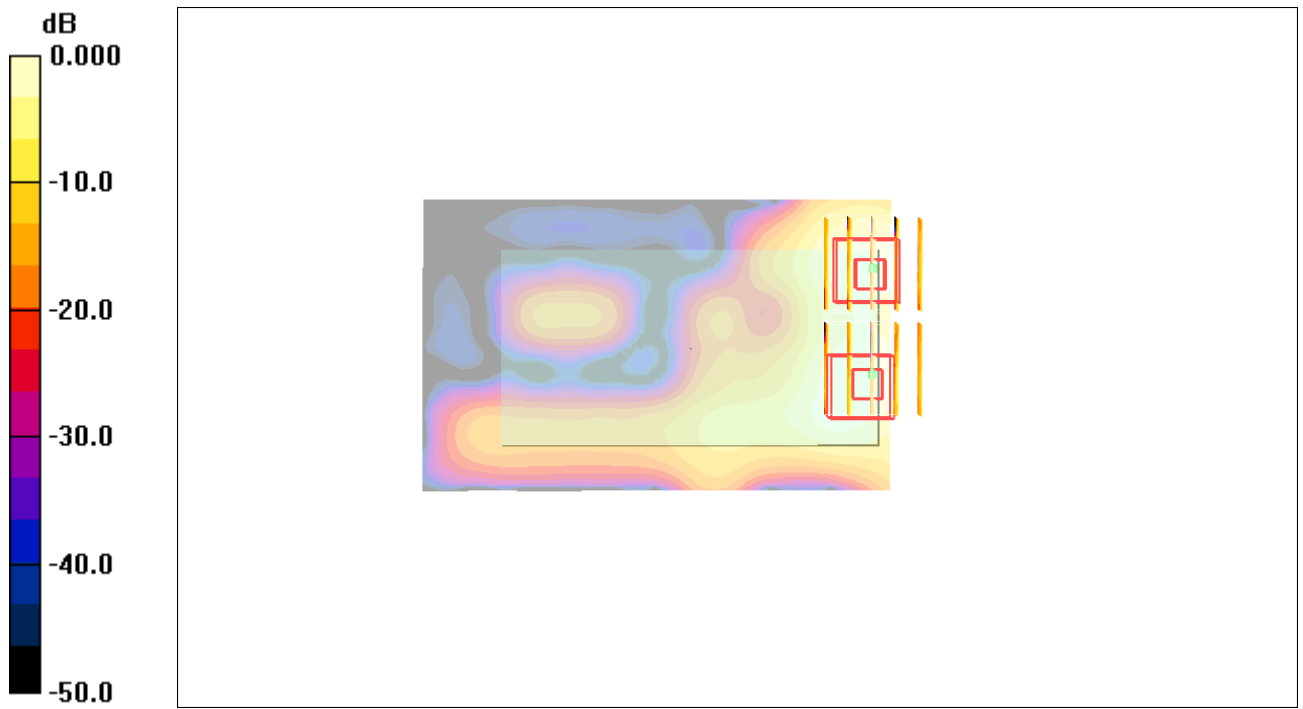
**Ch11/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.10 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.063 mW/g



0 dB = 0.063mW/g

## #88 802.11b\_Rear Face\_1cm\_Ch11\_2D

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$  mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x81x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 0.062 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.10 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.146 W/kg

**SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.074 mW/g

**Ch11/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.10 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.102 W/kg

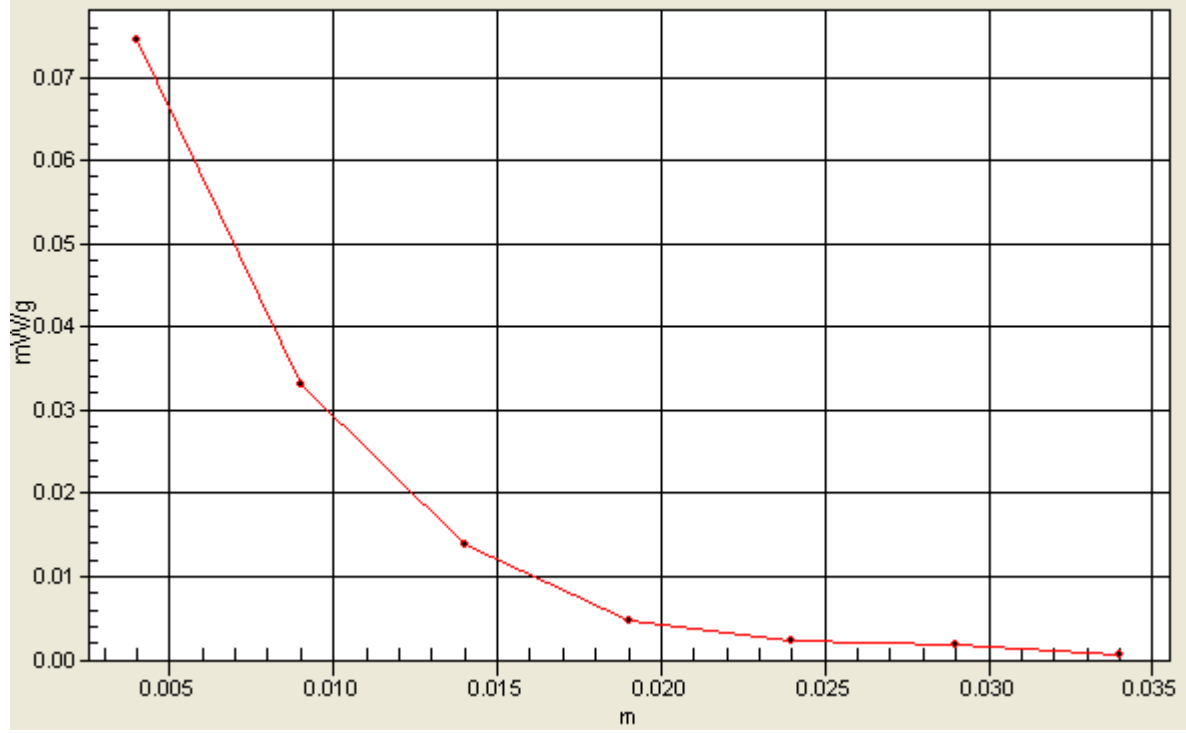
**SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.063 mW/g



# 1g/10g Averaged SAR

SAR, Zoom Scan: Value Along Z, X=2, Y=2



## #89 802.11b\_Left Side\_1cm\_Ch11

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$   
mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x91x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.019 mW/g

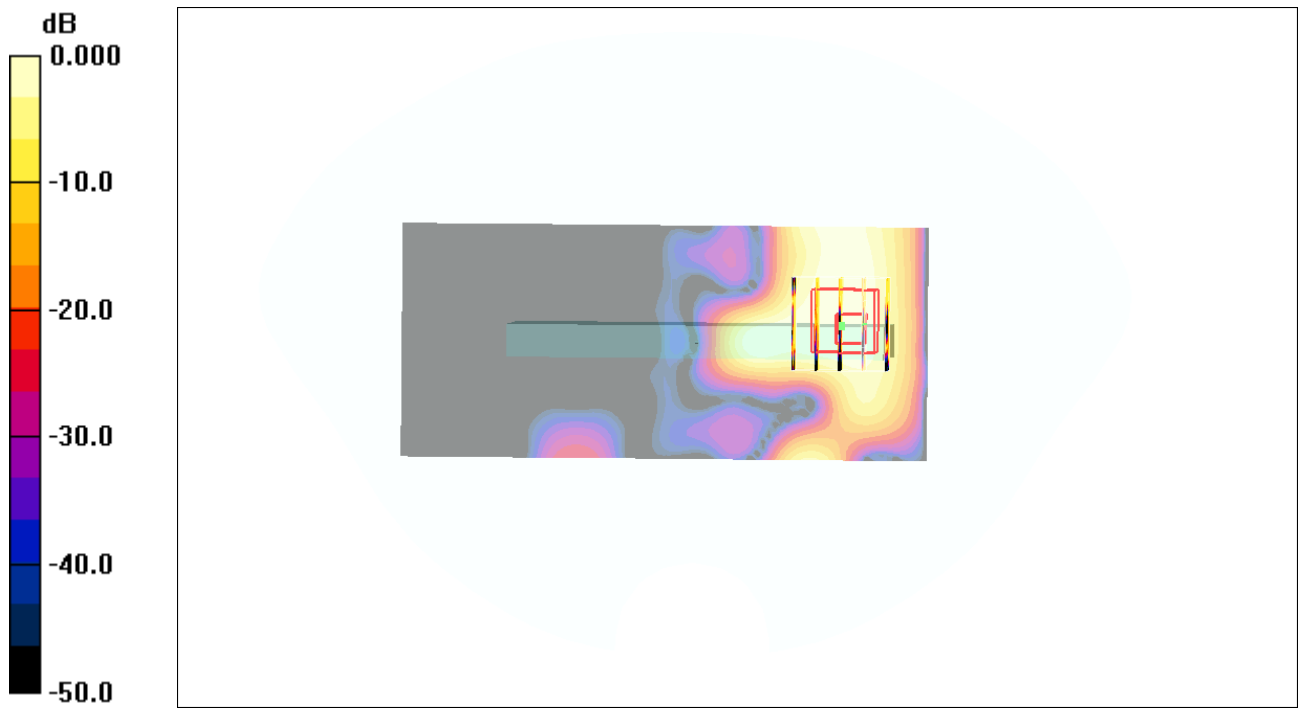
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.09 V/m; Power Drift = 0.184 dB

Peak SAR (extrapolated) = 0.049 W/kg

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00384 mW/g**

Maximum value of SAR (measured) = 0.009 mW/g



0 dB = 0.009mW/g

## #90 802.11b\_Right Side\_1cm\_Ch11

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$   
mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (41x91x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.020 mW/g

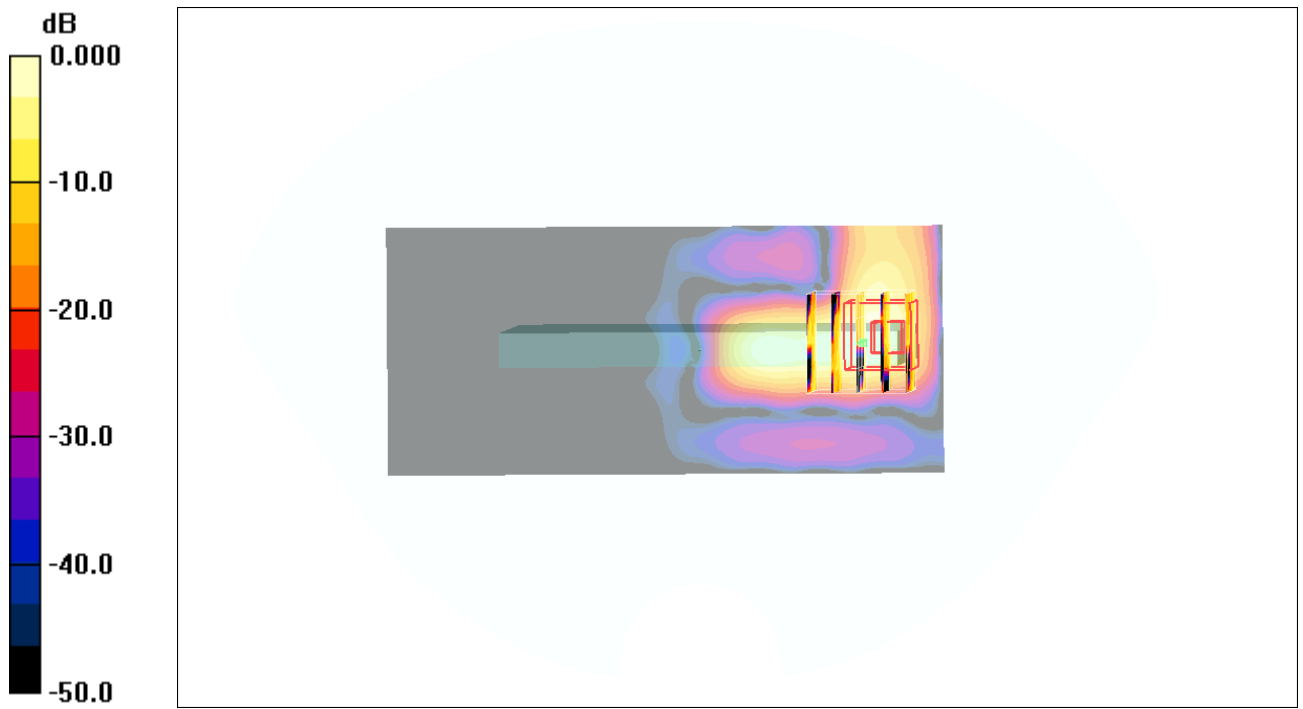
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.000 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 0.043 W/kg

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00345 mW/g**

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



0 dB = 0.014mW/g

## #91 802.11b\_Top Side\_1cm\_Ch11

**DUT: 142244-01**

Communication System: 802.11b ; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.04$   
mho/m;  $\epsilon_r = 53.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (31x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.067 mW/g

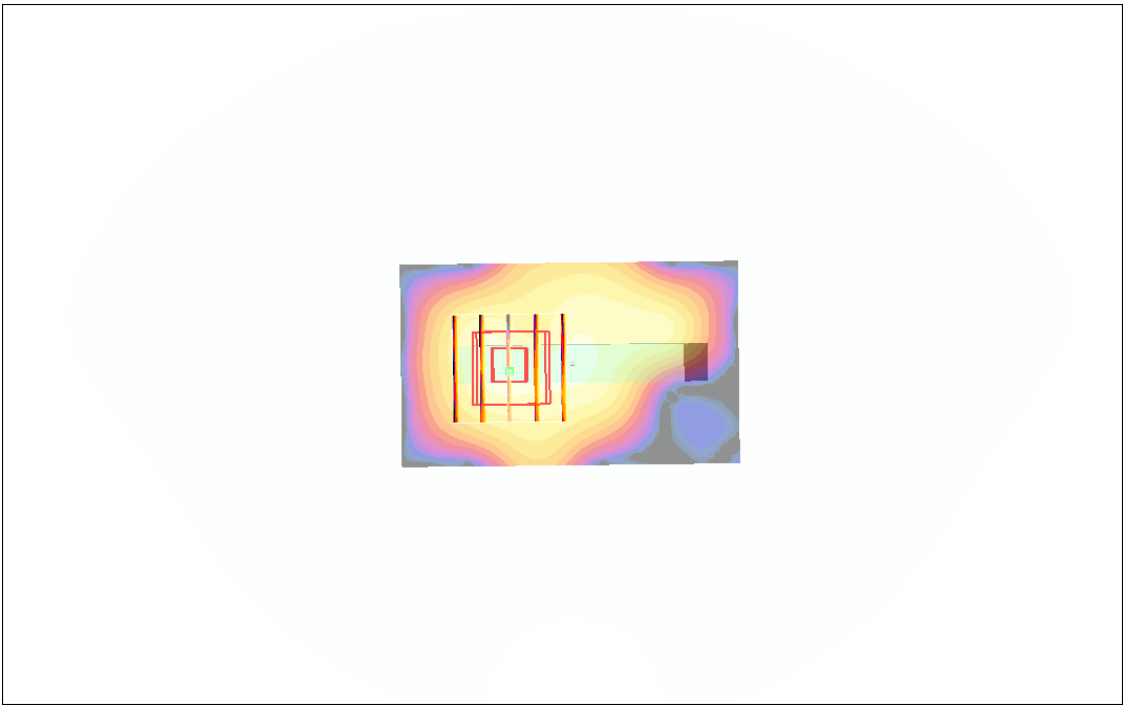
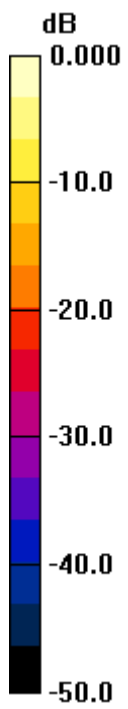
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.43 V/m; Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.024 mW/g**

Maximum value of SAR (measured) = 0.087 mW/g



0 dB = 0.087mW/g

### #92 802.11b\_Rear Face\_1cm\_Ch11\_Earphone

**DUT: 142244-01**

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

Medium: MSL\_2450\_110602 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2.04 \text{ mho/m}$ ;  $\epsilon_r = 53.9$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY4 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(7.02, 7.02, 7.02); Calibrated: 2010/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2011/4/28
- Phantom: SAM\_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Ch11/Area Scan (51x81x1):** Measurement grid:  $dx=20\text{mm}$ ,  $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 0.093 mW/g

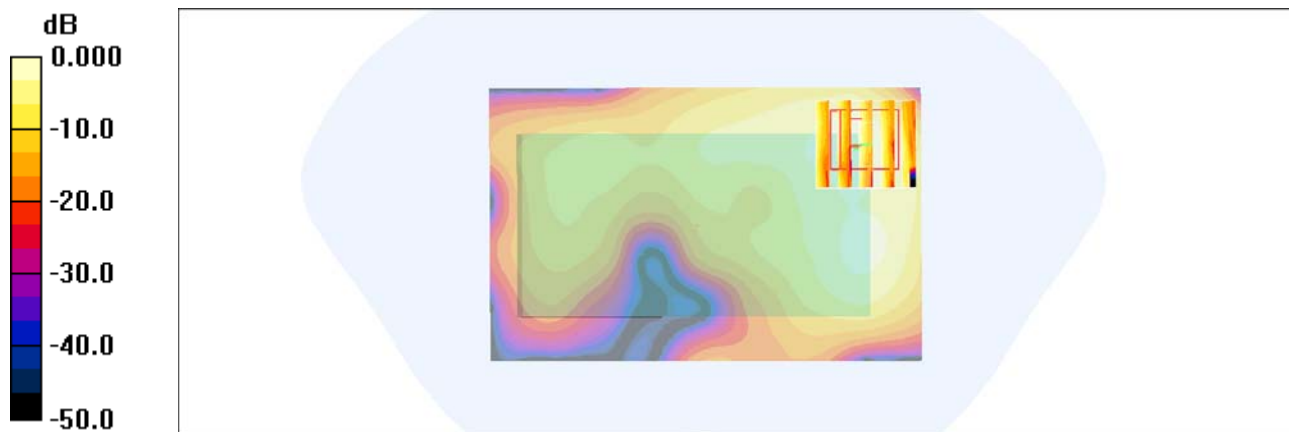
**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.47 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.026 mW/g**

Maximum value of SAR (measured) = 0.068 mW/g



0 dB = 0.068mW/g