#17 GSM850_Right Cheek_Ch128

DUT: 052502

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_100528 Medium parameters used: f = 824.2 MHz; σ = 0.888 mho/m; ε_r = 40.9; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch128/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
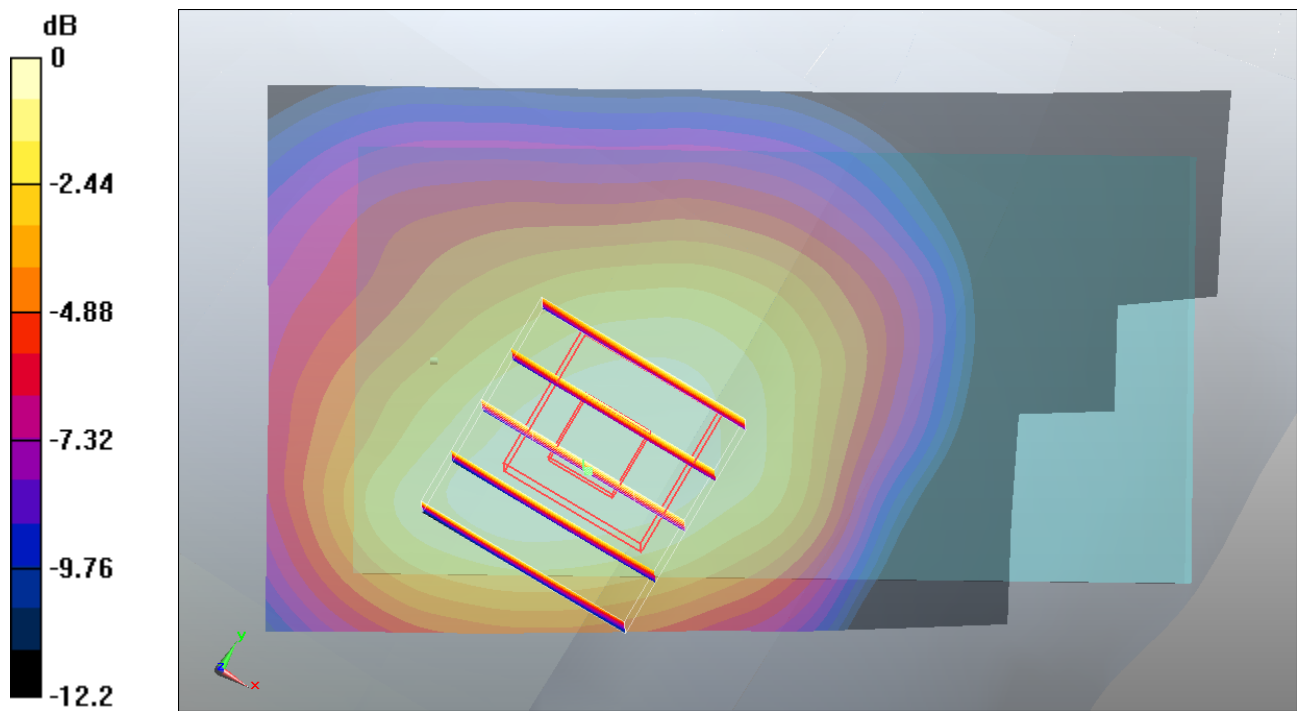Maximum value of SAR (interpolated) = 1.07 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.2 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 1.35 W/kg
SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.692 mW/g
Maximum value of SAR (measured) = 1.05 mW/g

0 dB = 1.05mW/g

#12 GSM850_Right Tilted_Ch189

DUT: 052502

Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_100528 Medium parameters used: f = 836.6 MHz; σ = 0.898 mho/m; ε_r = 40.8; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch189/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
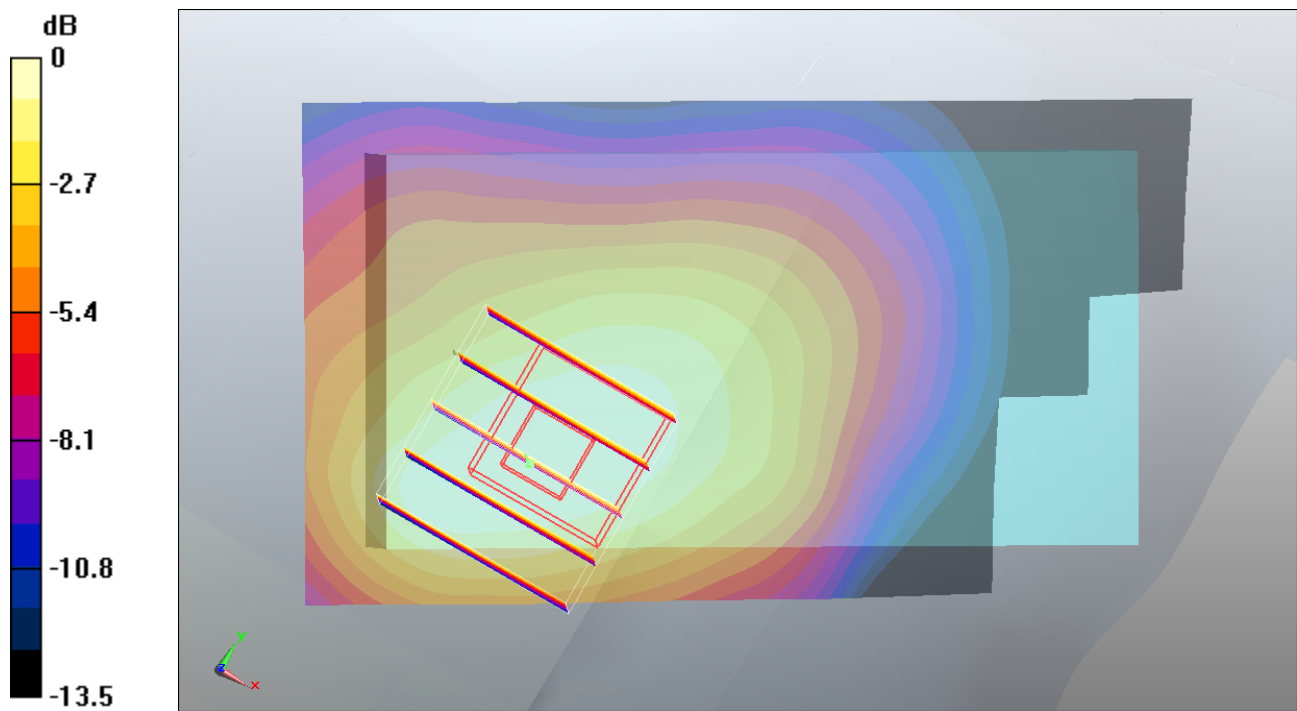Maximum value of SAR (interpolated) = 0.741 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.8 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.718 mW/g

0 dB = 0.718mW/g

#15 GSM850_Left Cheek_Ch128

DUT: 052502

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_100528 Medium parameters used: f = 824.2 MHz; σ = 0.888 mho/m; ε_r = 40.9; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch128/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
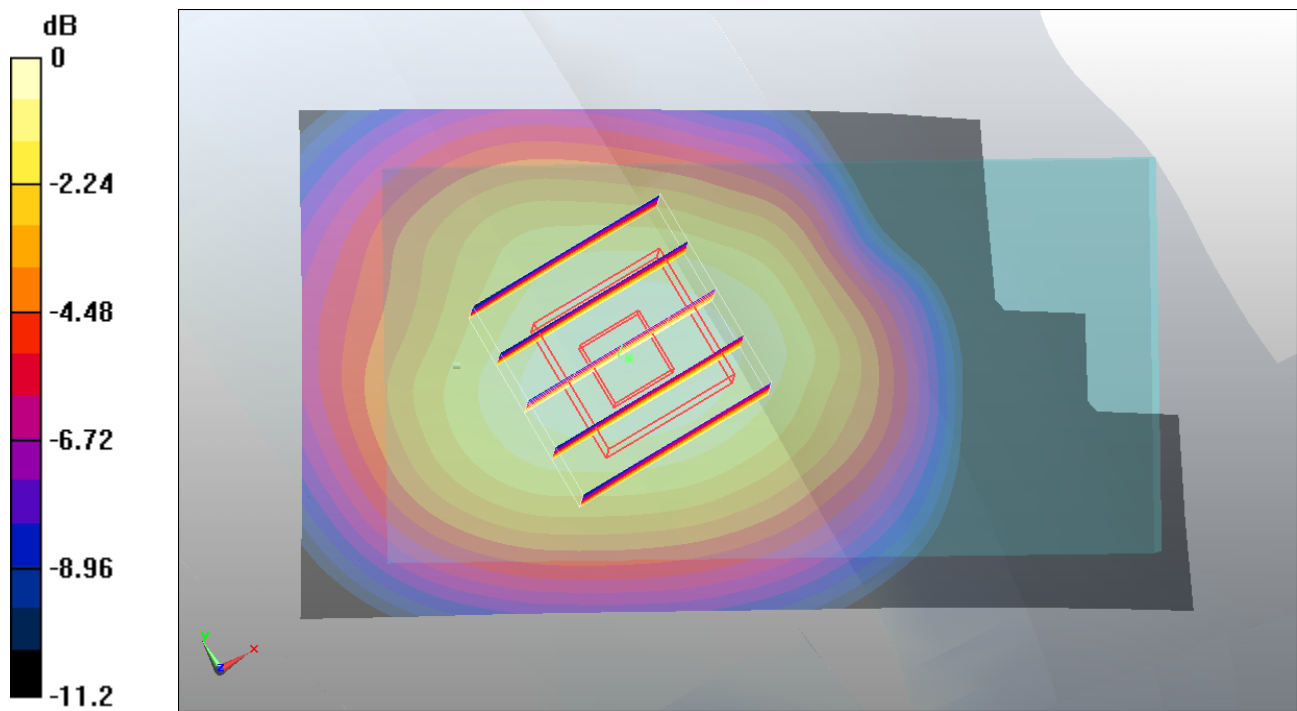Maximum value of SAR (interpolated) = 1.27 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.3 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.834 mW/g
Maximum value of SAR (measured) = 1.25 mW/g

0 dB = 1.25mW/g

#15 GSM850_Left Cheek_Ch128_2D

DUT: 052502

Communication System: Generic GSM; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_100528 Medium parameters used: f = 824.2 MHz; σ = 0.888 mho/m; ε_r = 40.9; ρ = 1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch128/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
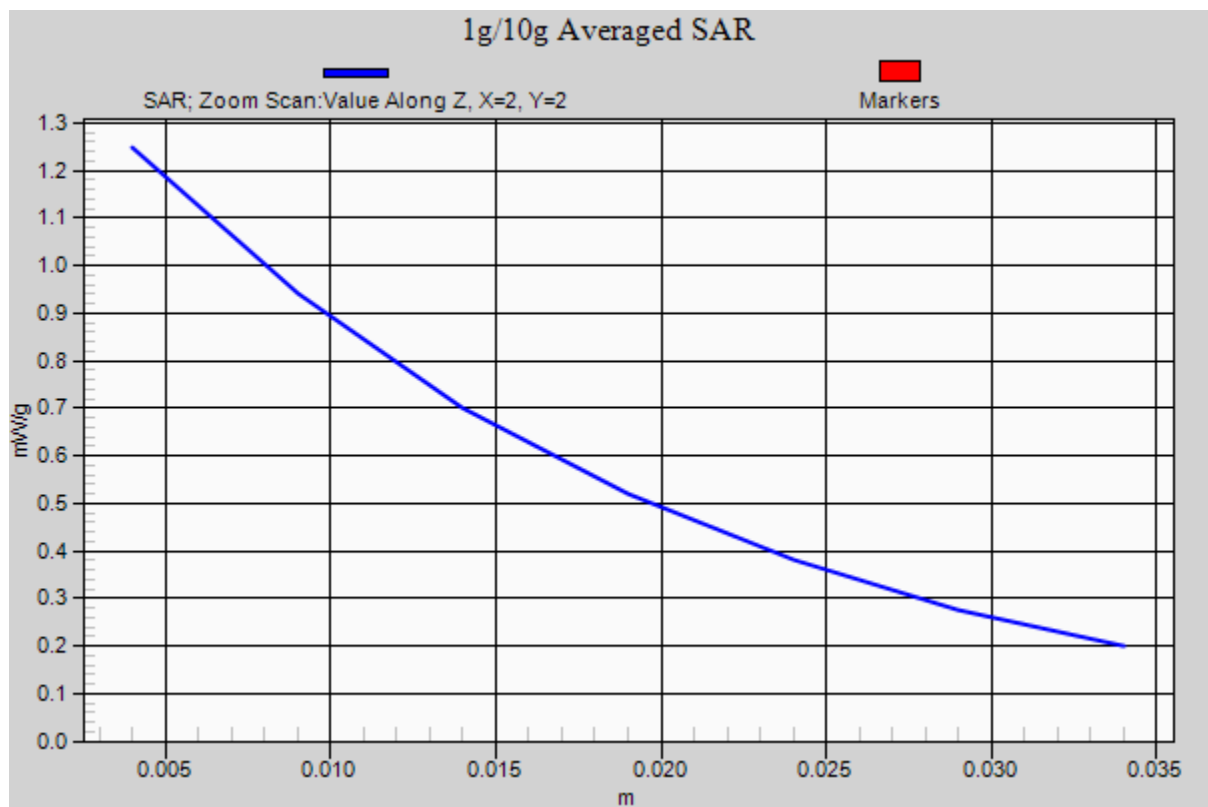Maximum value of SAR (interpolated) = 1.27 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.3 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.834 mW/g
Maximum value of SAR (measured) = 1.25 mW/g

1g/10g Averaged SAR

#14 GSM850_Left Tilted_Ch189

DUT: 052502

Communication System: Generic GSM; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_100528 Medium parameters used: f = 836.6 MHz; σ = 0.898 mho/m; ε_r = 40.8; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.32, 8.32, 8.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch189/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
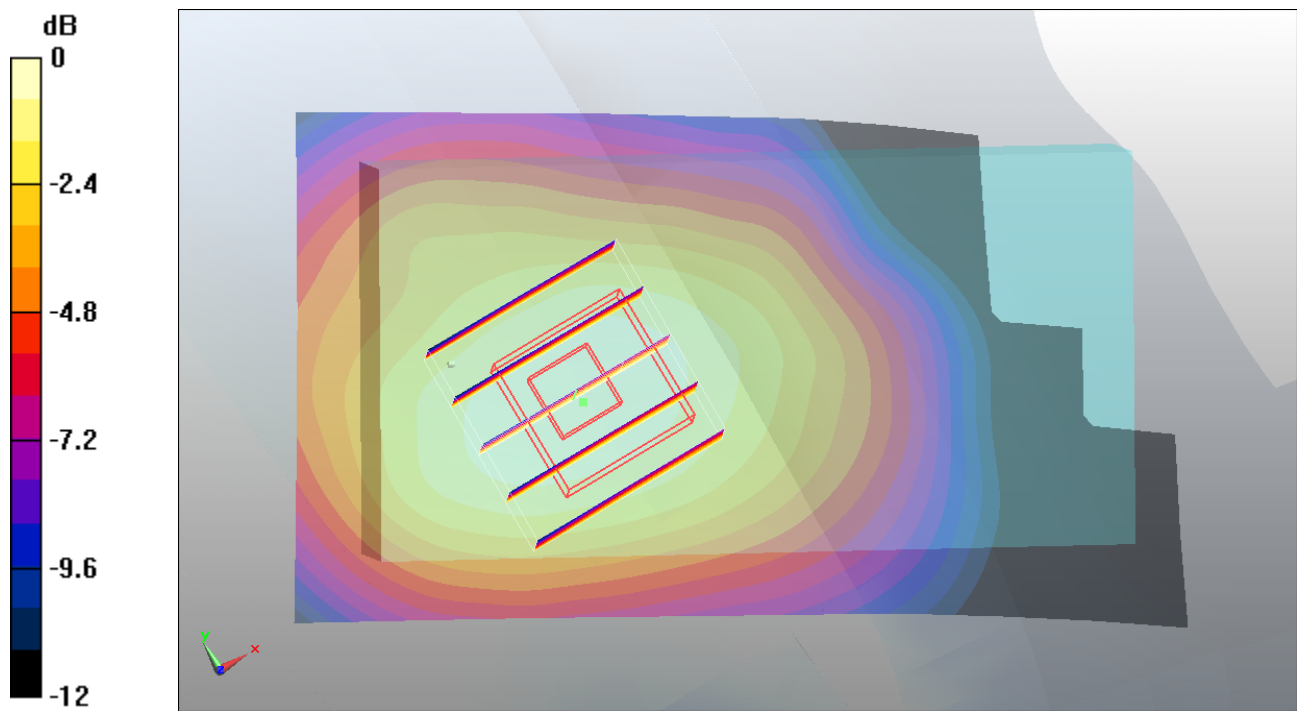Maximum value of SAR (interpolated) = 0.742 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.4 V/m; Power Drift = -0.048 dB
Peak SAR (extrapolated) = 0.962 W/kg
SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.481 mW/g
Maximum value of SAR (measured) = 0.744 mW/g

0 dB = 0.744mW/g

#23 GSM1900_Right Cheek_Ch512

DUT: 052502

Communication System: Generic GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_100528 Medium parameters used: f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch512/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
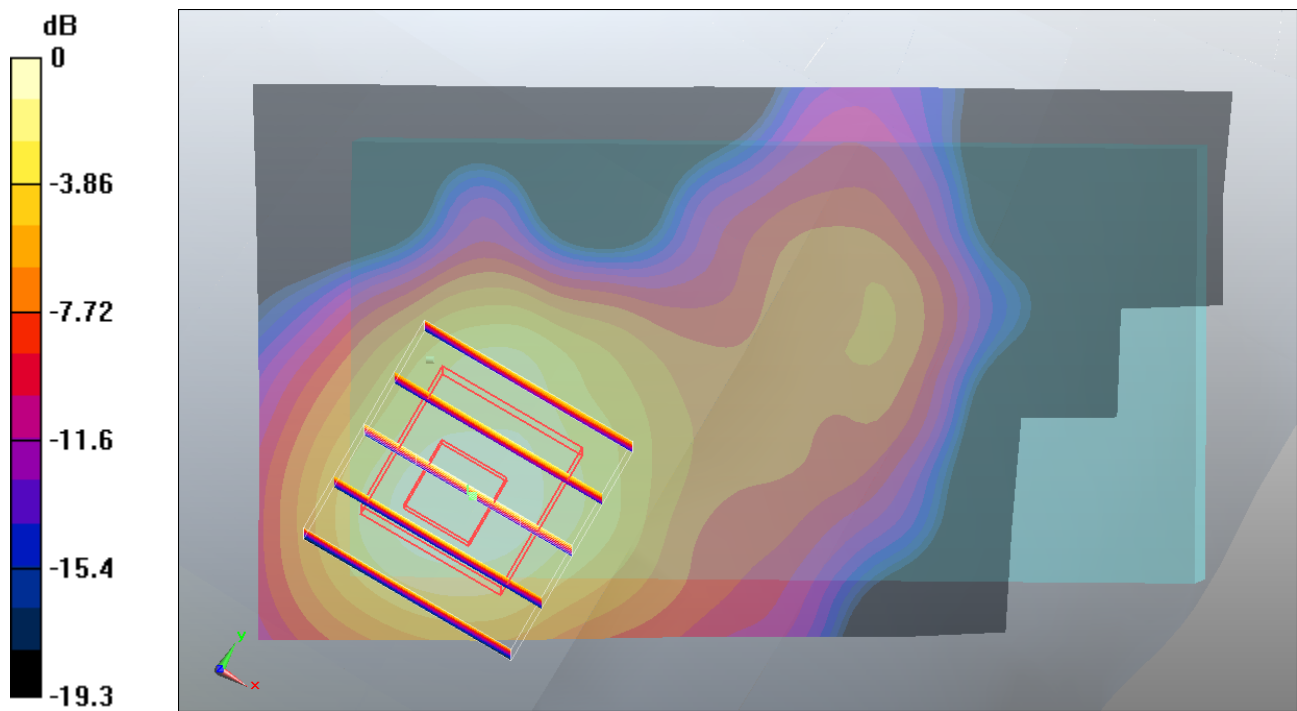Maximum value of SAR (interpolated) = 0.239 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.34 V/m; Power Drift = 0.00149 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.246 mW/g

0 dB = 0.246mW/g

#23 GSM1900_Right Cheek_Ch512_2D

DUT: 052502

Communication System: Generic GSM; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_100528 Medium parameters used: f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ =

1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch512/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
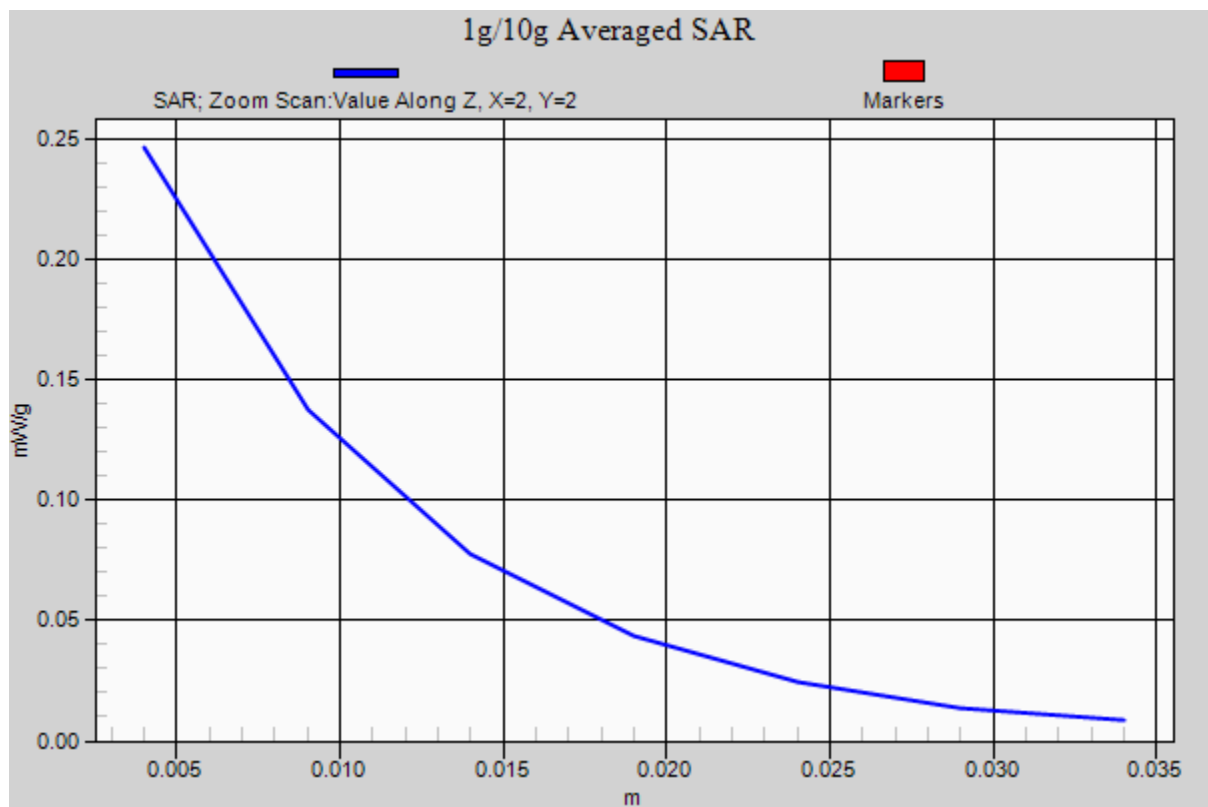Maximum value of SAR (interpolated) = 0.239 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.34 V/m; Power Drift = 0.00149 dB
Peak SAR (extrapolated) = 0.415 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.246 mW/g

1g/10g Averaged SAR

#20 GSM1900_Right Tilted_Ch661

DUT: 052502

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_100528 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.3; ρ =

1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
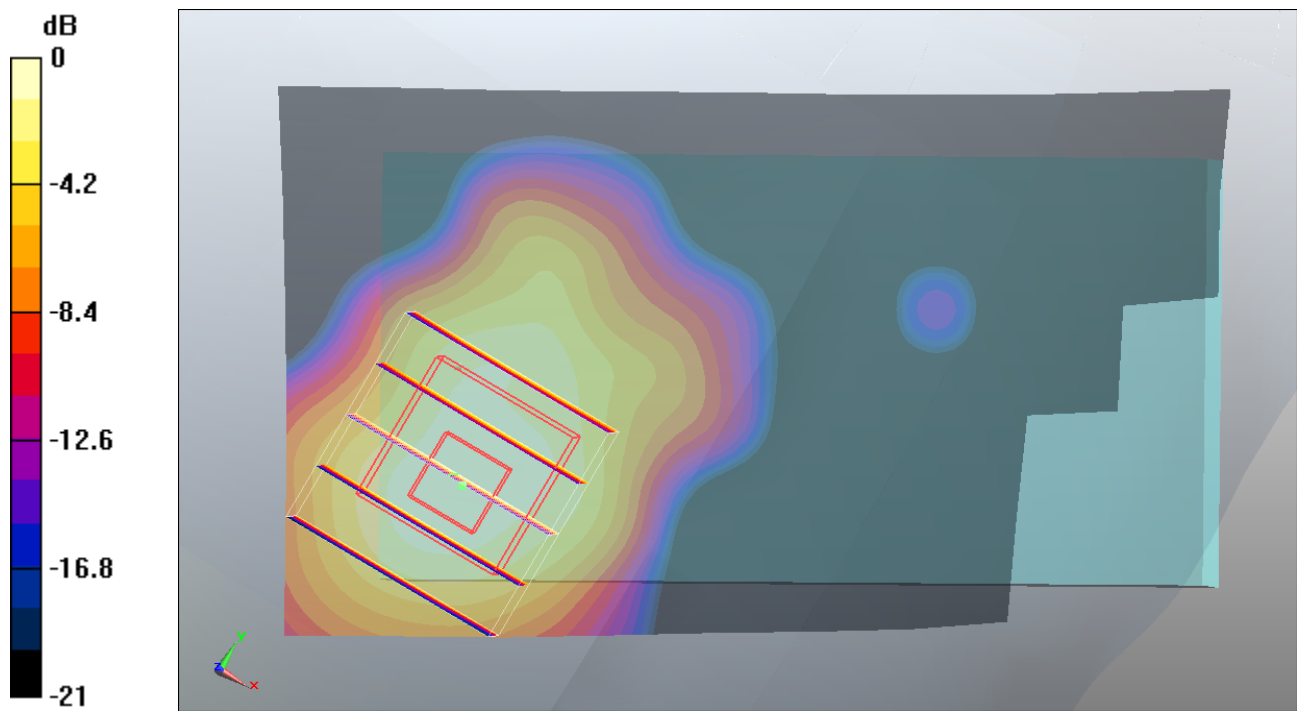Maximum value of SAR (interpolated) = 0.165 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.5 V/m; Power Drift = -0.00471 dB
Peak SAR (extrapolated) = 0.278 W/kg
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.164 mW/g

0 dB = 0.164mW/g

#21 GSM1900_Left Cheek_Ch661

DUT: 052502

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_100528 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.3; ρ =

1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
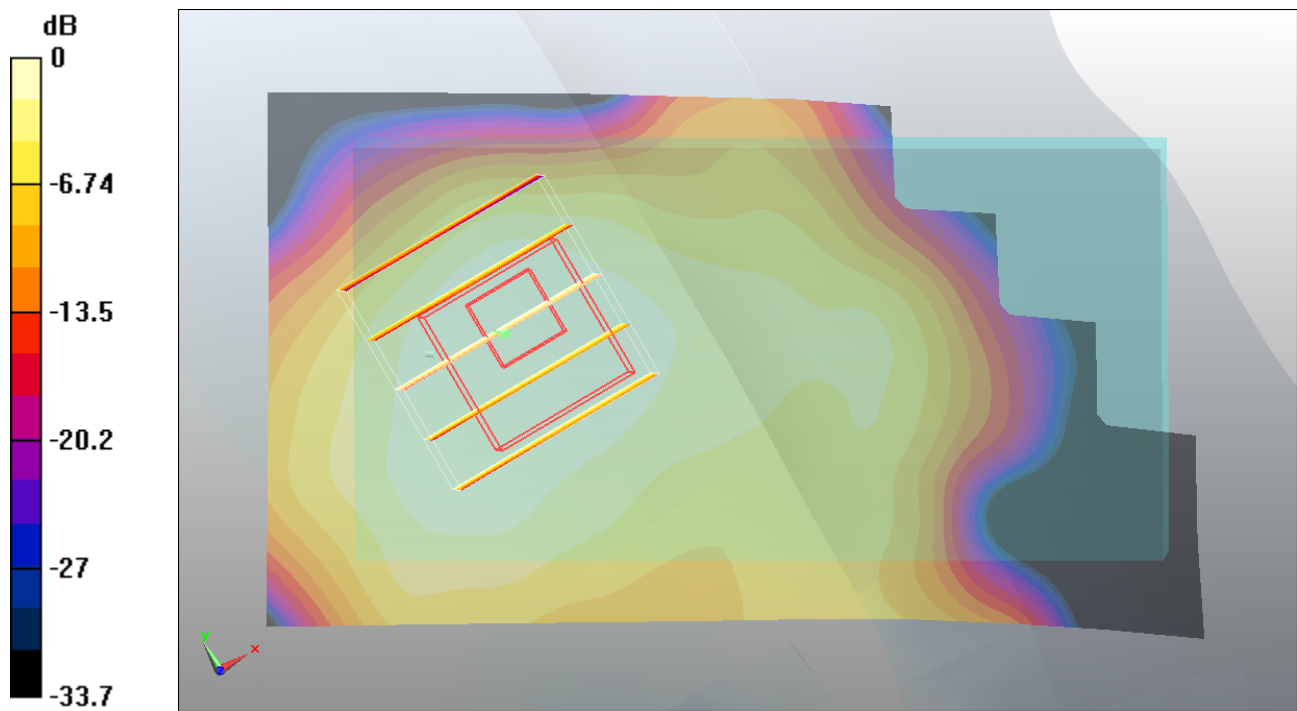Maximum value of SAR (interpolated) = 0.128 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.4 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.104 mW/g

0 dB = 0.104mW/g

#22 GSM1900_Left Tilted_Ch661

DUT: 052502

Communication System: Generic GSM; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_100528 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.3; ρ =

1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5°C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
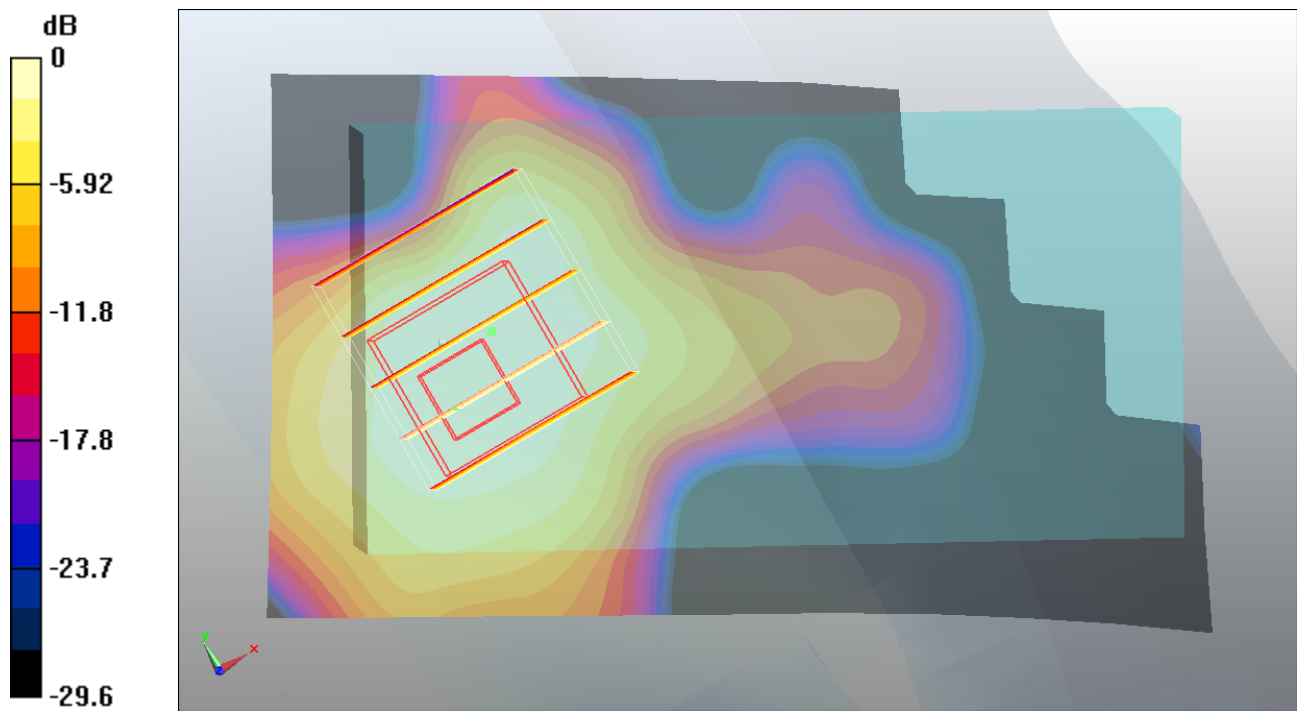Maximum value of SAR (interpolated) = 0.123 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.85 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.098 mW/g

0 dB = 0.098mW/g

#05 GSM850 GPRS10_Bottom_Ch128

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 824.2 MHz;Duty Cycle: 1:4
Medium: MSL_850_100528 Medium parameters used: f = 824.2 MHz; σ = 0.961 mho/m; ε_r = 56.1; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.22, 8.22, 8.22); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch128/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
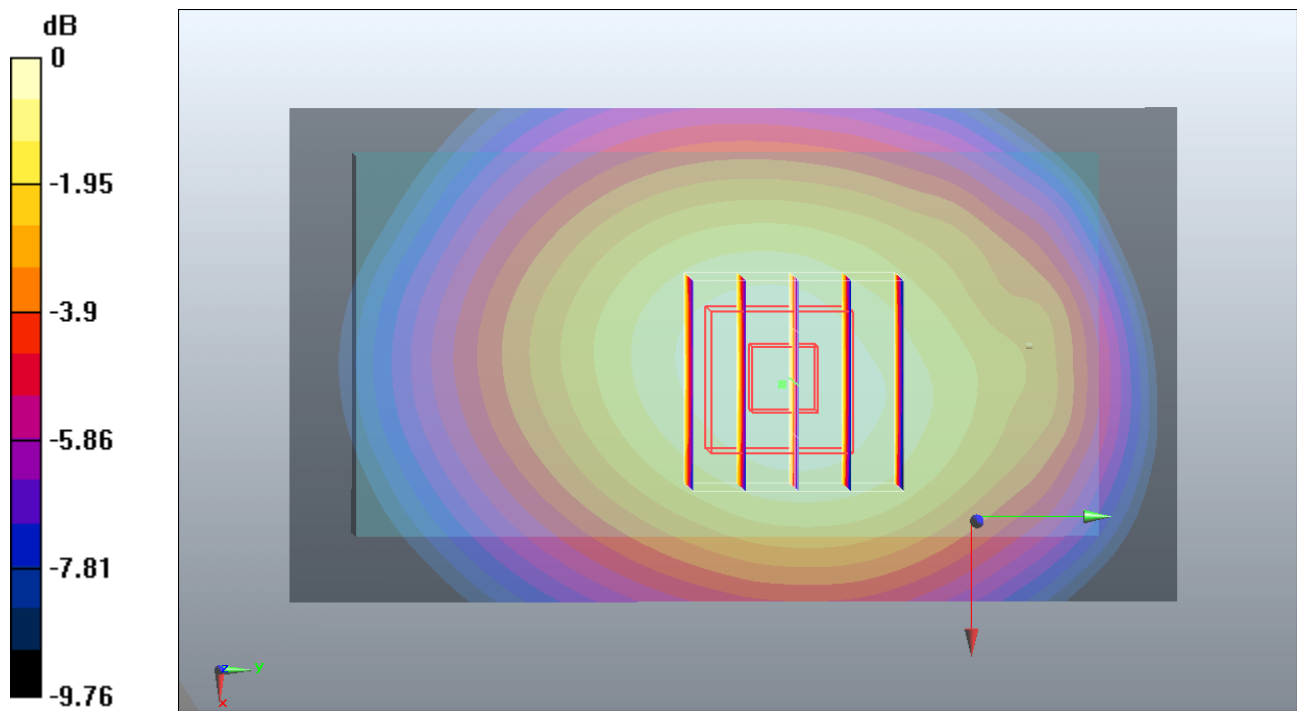Maximum value of SAR (interpolated) = 1.03 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28 V/m; Power Drift = -0.174 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.952 mW/g; SAR(10 g) = 0.689 mW/g
Maximum value of SAR (measured) = 1 mW/g

0 dB = 1mW/g

#02 GSM850 GPRS10_Face_Ch189

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_850_100528 Medium parameters used : f = 836.4 MHz; σ = 0.972 mho/m; ε_r = 56; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.22, 8.22, 8.22); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch189/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.28 mW/g

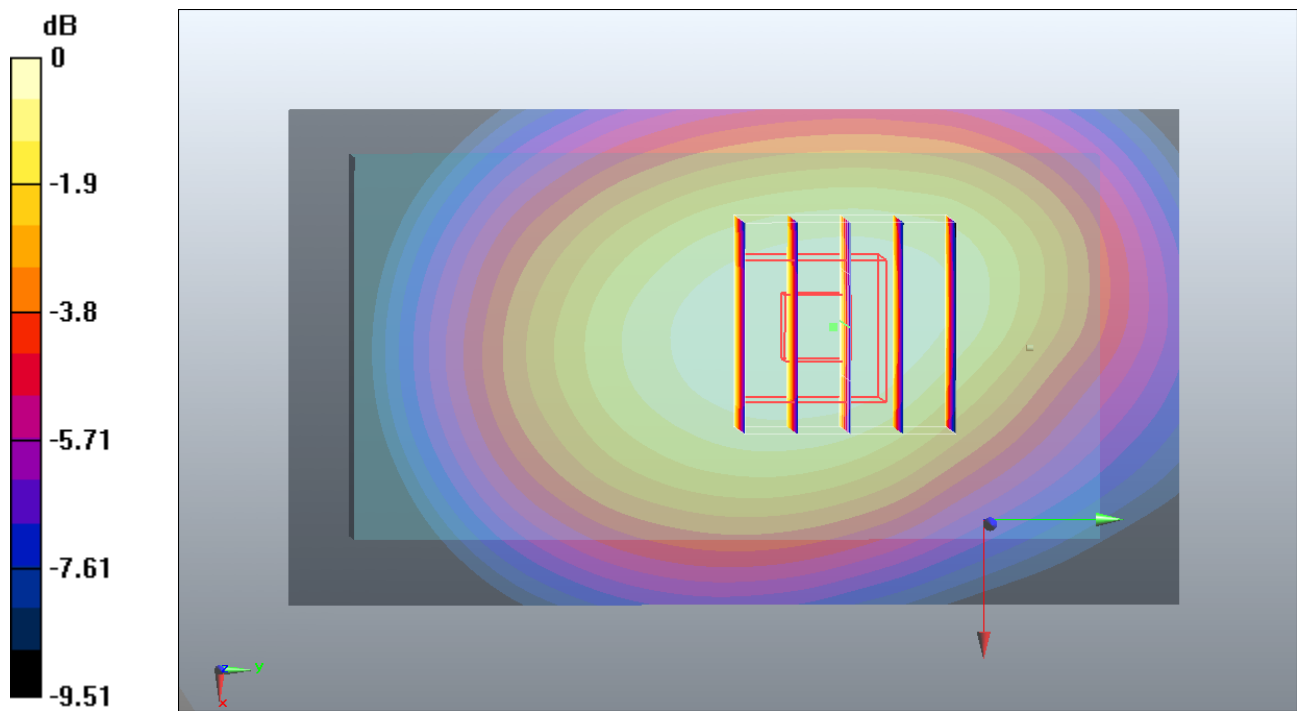**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.6 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.854 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

0 dB = 1.22mW/g

#02 GSM850 GPRS10_Face_Ch189_2D

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_850_100528 Medium parameters used: f = 836.4 MHz; σ = 0.972 mho/m; ε_r = 56; ρ =

1000 kg/m^3
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.22, 8.22, 8.22); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch189/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
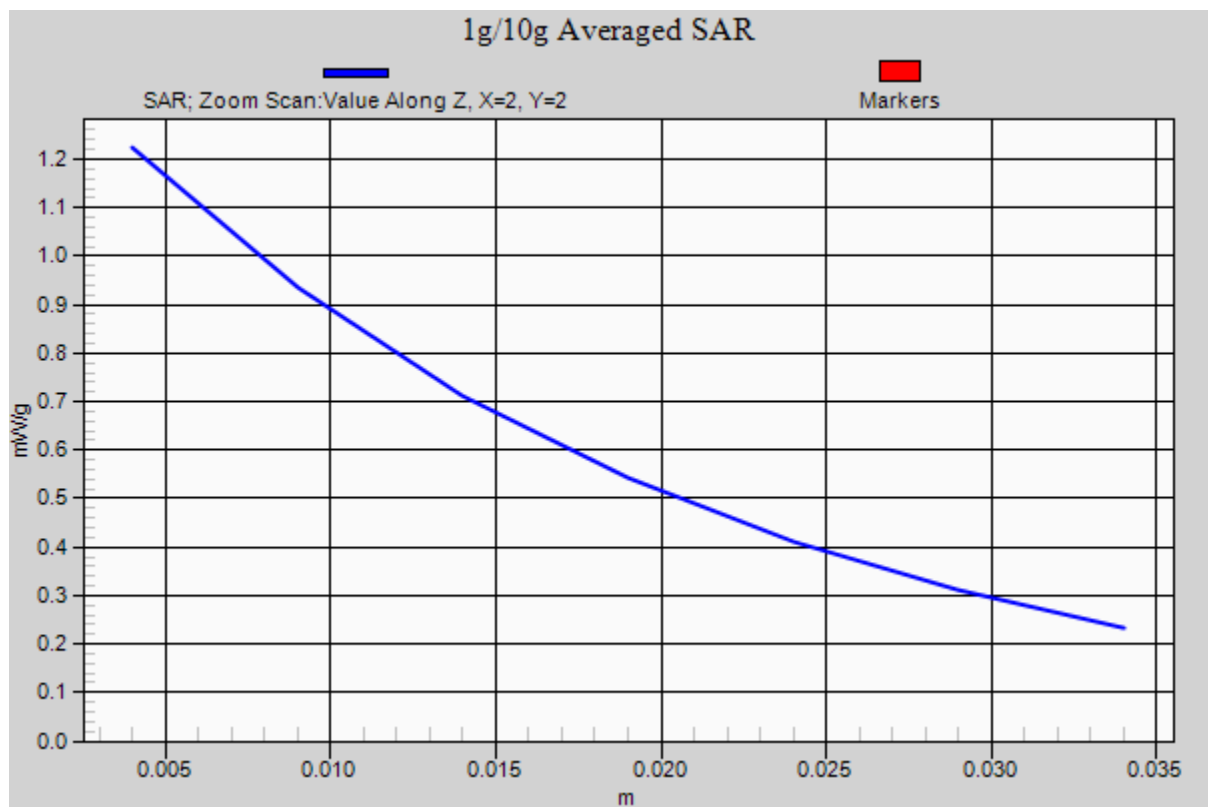Maximum value of SAR (interpolated) = 1.28 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.6 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.854 mW/g
Maximum value of SAR (measured) = 1.22 mW/g

#09 GSM1900 GPRS10_Bottom_Ch512

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_100528 Medium parameters used: f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ

= 1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch512/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.216 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.202 mW/g

#09 GSM1900 GPRS10_Bottom_Ch512_2D

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_100528 Medium parameters used: f = 1850.2 MHz; σ = 1.35 mho/m; ε_r = 39.4; ρ

= 1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch512/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
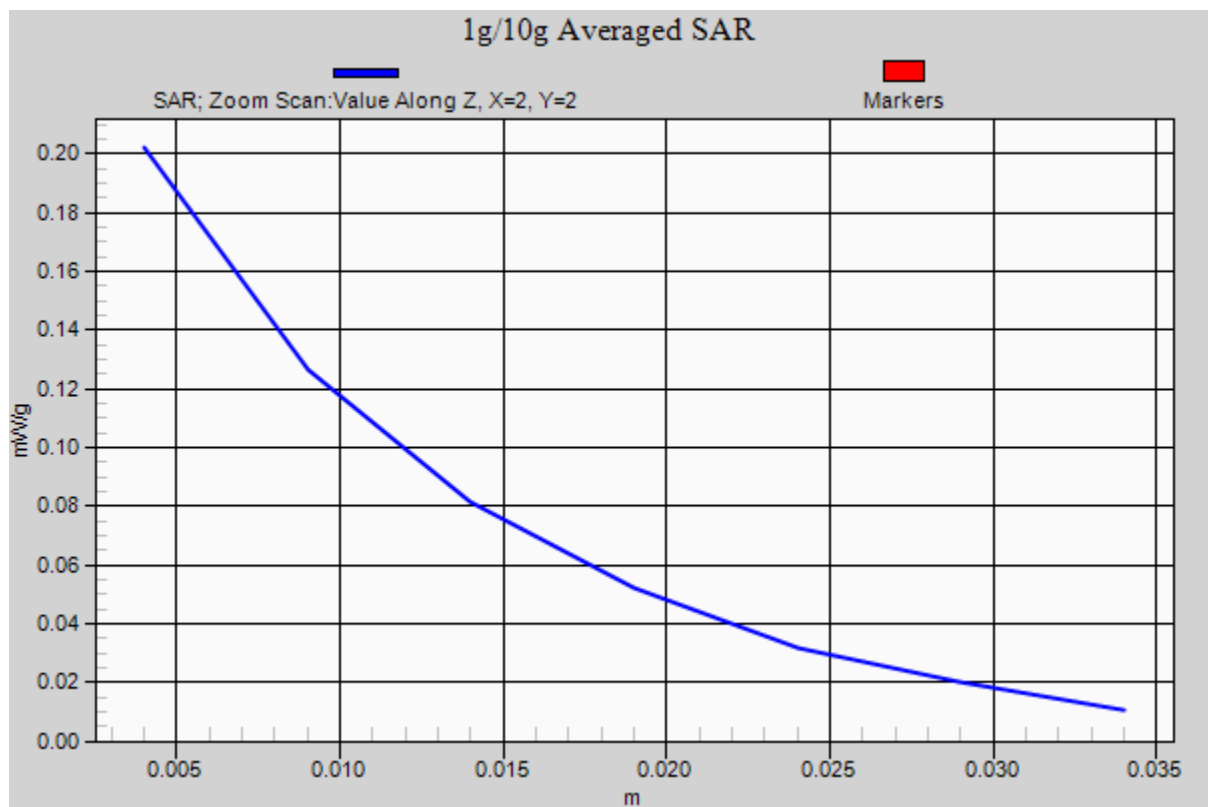Maximum value of SAR (interpolated) = 0.216 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.216 mW/g

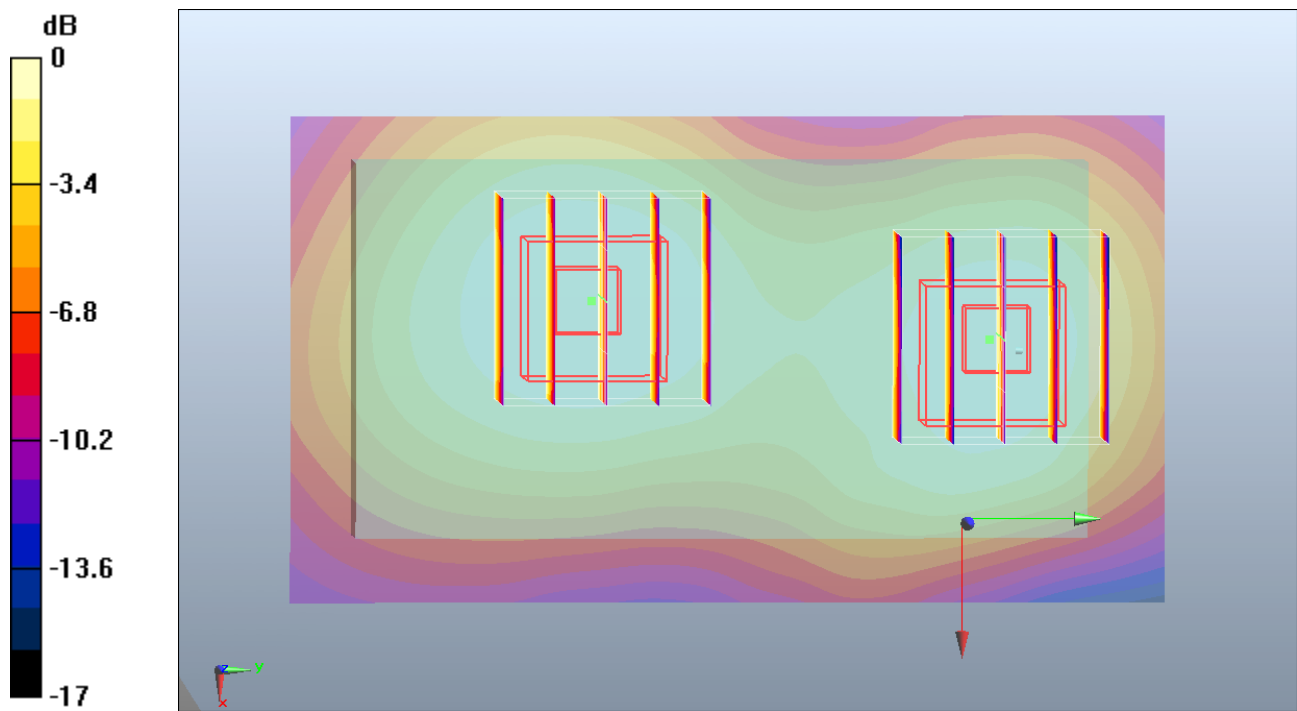**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 0.291 W/kg
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.115 mW/g
Maximum value of SAR (measured) = 0.202 mW/g

1g/10g Averaged SAR

0 dB = 0.202mW/g

#08 GSM1900 GPRS10_Face_Ch661

DUT: 052502

Communication System: GPRS/EDGE 10; Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_100528 Medium parameters used: f = 1880 MHz; σ = 1.39 mho/m; ε_r = 39.3; ρ =

1000 kg/m^3
Ambient Temperature : 23.7 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.32, 7.32, 7.32); Calibrated: 2009/11/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2009/11/16
- Phantom: SAM2; Type: SAM; Serial: TP-1479
- Measurement SW : DASY5, V5.2 Build 162; SEMCAD X Version 14.0 Build 57

Ch661/Area Scan (51x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.089 mW/g

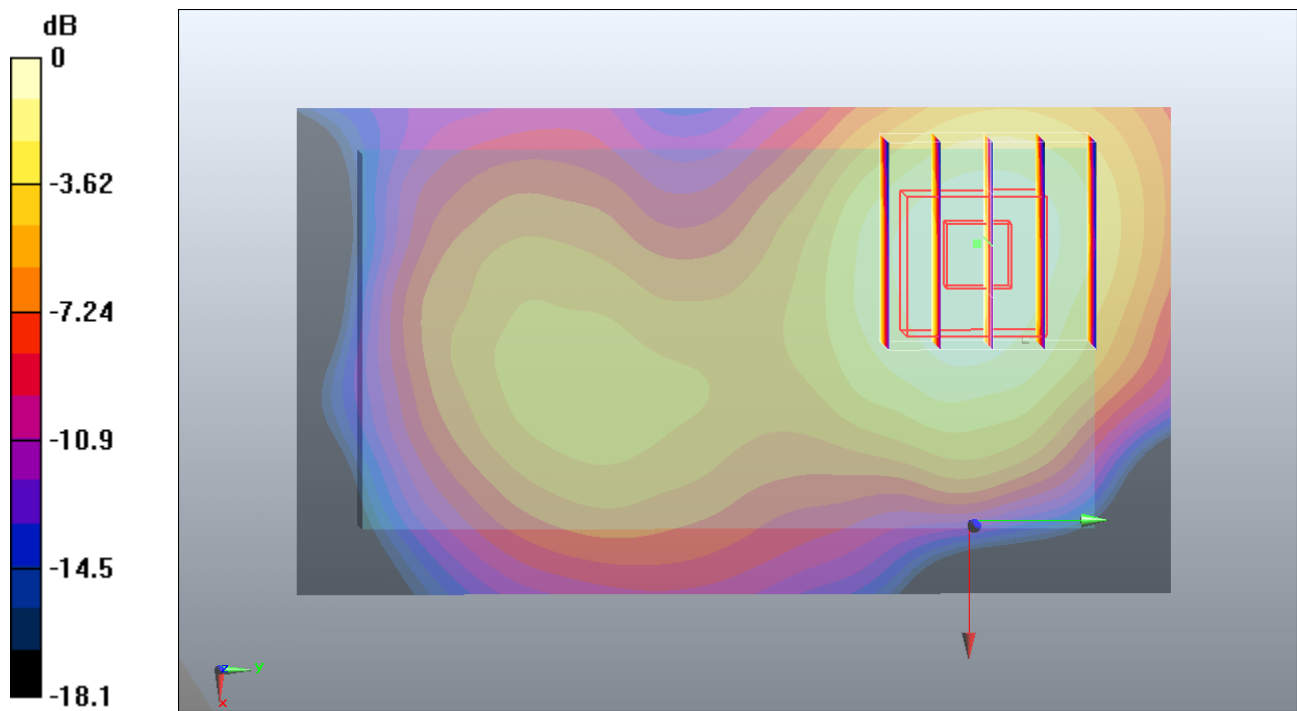**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.66 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 0.123 W/kg
SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.049 mW/g
Maximum value of SAR (measured) = 0.087 mW/g

0 dB = 0.087mW/g