#01 GSM850_GPRS (2 Tx slots)_Bottom Face 0cm_Ch189_Sensor on

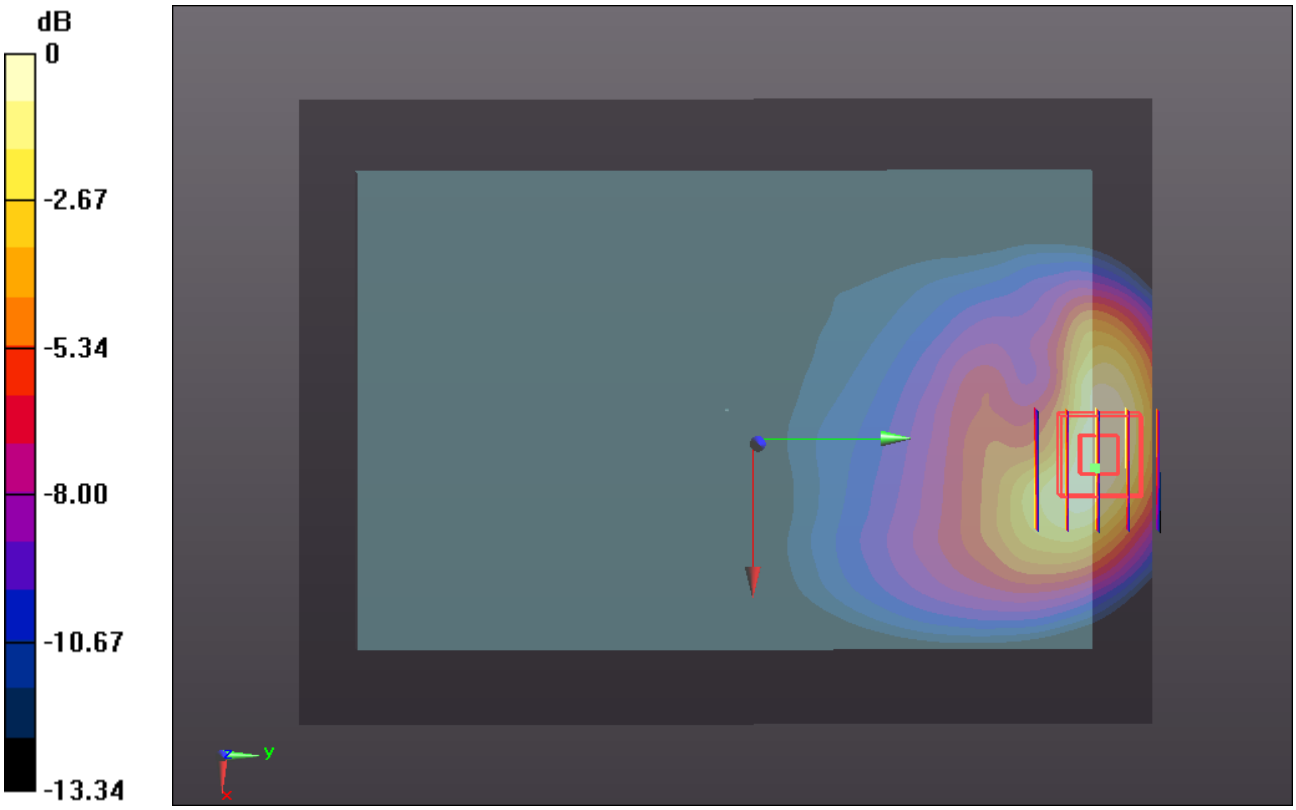
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.949 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.355 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.134 W/kg
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.430 mW/g
Maximum value of SAR (measured) = 0.947 mW/g



0 dB = 0.950mW/g

#02 GSM850_GPRS (2 Tx slots)_Bottom Face 0.8cm_Ch189_Sensor off

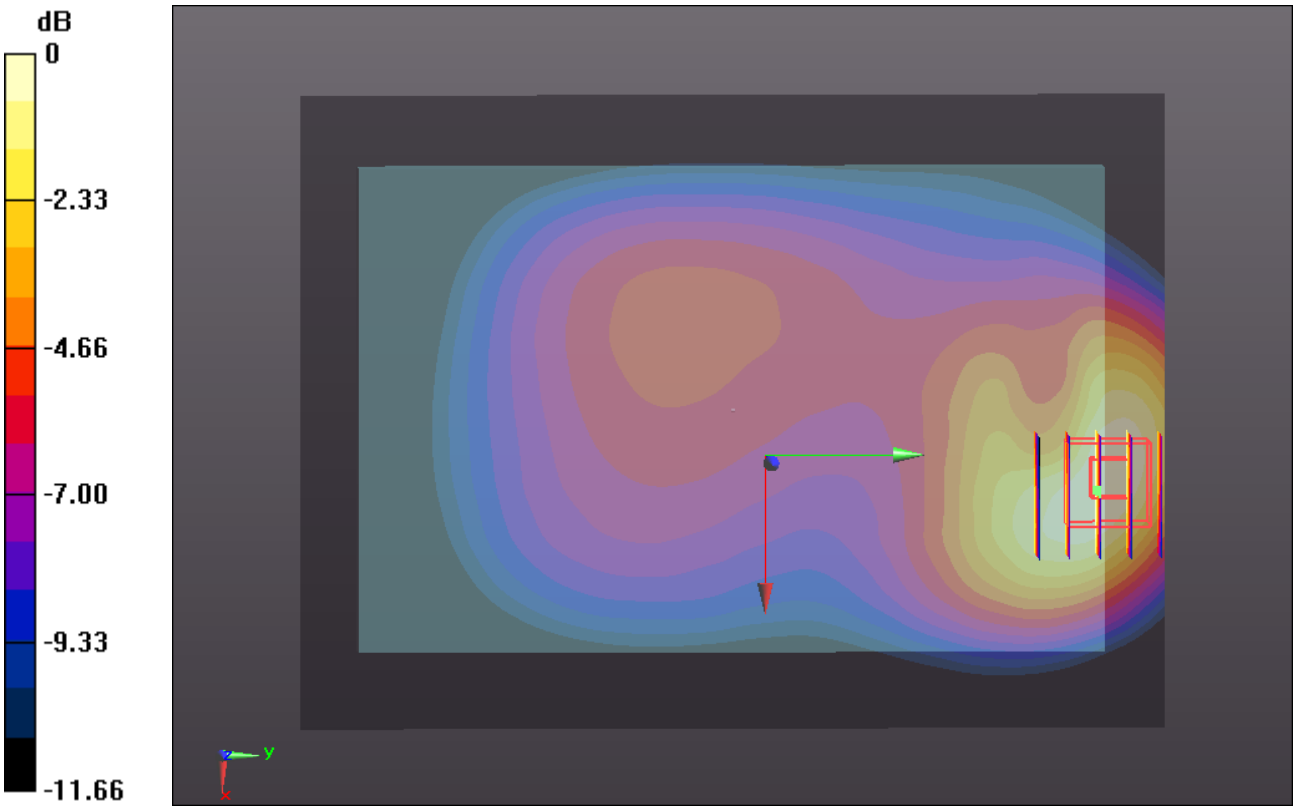
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.923 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.101 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 1.026 W/kg
SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.481 mW/g
Maximum value of SAR (measured) = 0.886 mW/g



0 dB = 0.890mW/g

#03 GSM850_GPRS (2 Tx slots)_Edge2 0cm_Ch189_Sensor on

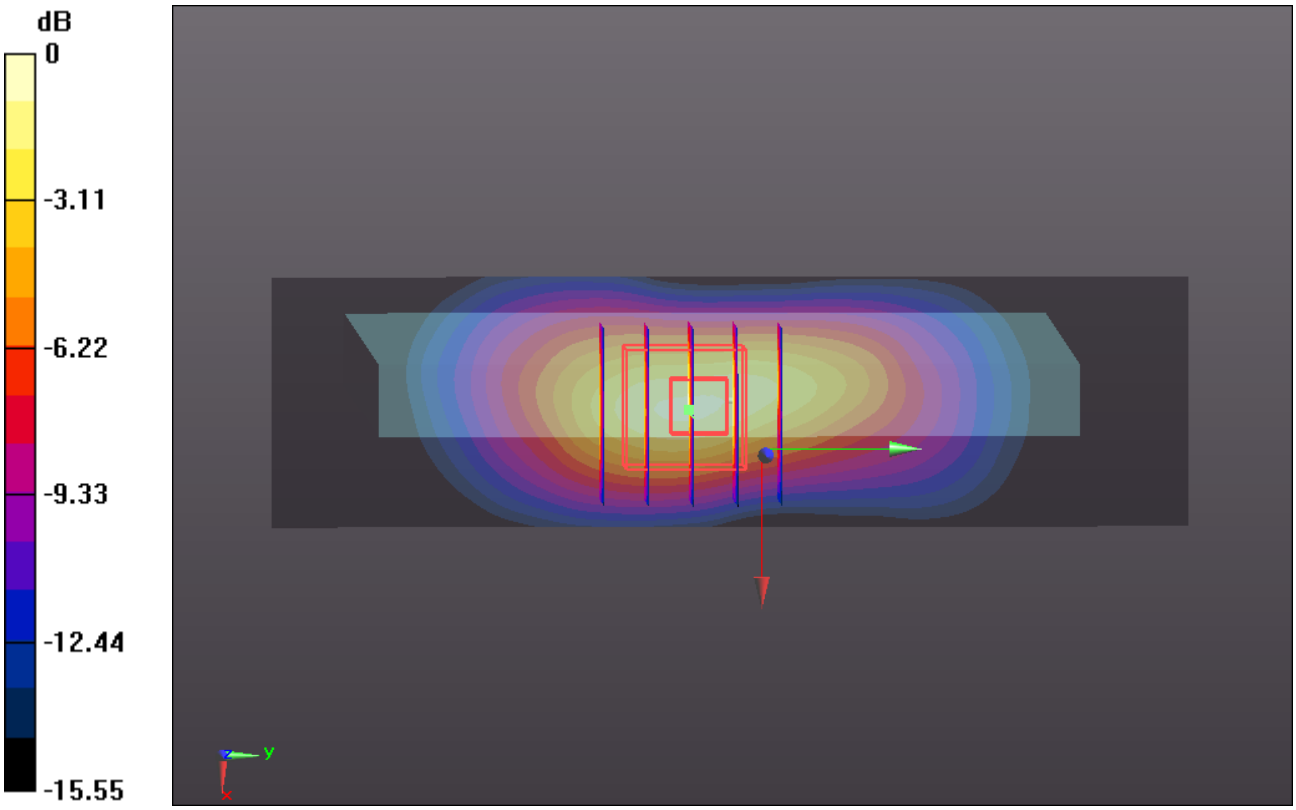
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.936 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.545 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.516 W/kg
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.384 mW/g
Maximum value of SAR (measured) = 1.115 mW/g



0 dB = 1.120mW/g

#04 GSM850_GPRS (2 Tx slots)_Edge3 0cm_Ch189_Sensor off

DUT: 2D2802

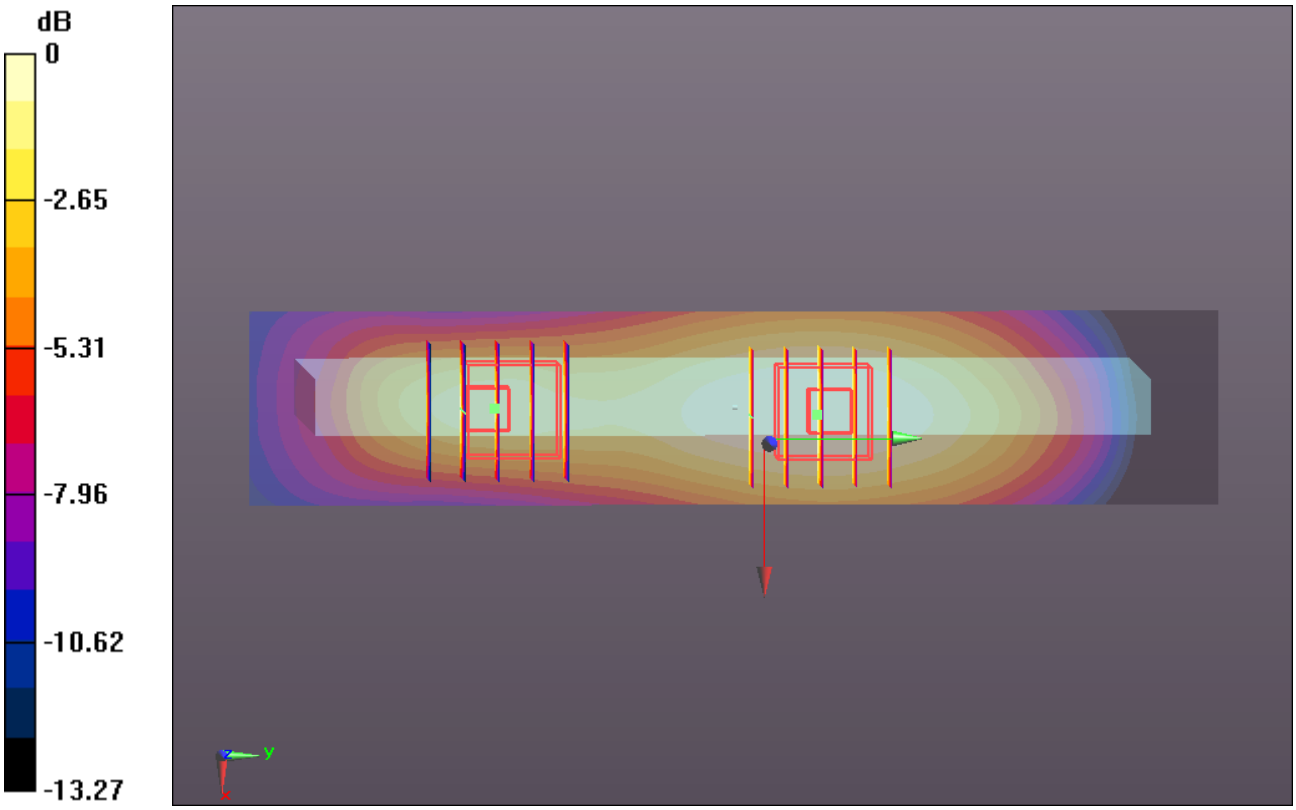
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.307 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.252 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.378 W/kg
SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.173 mW/g
Maximum value of SAR (measured) = 0.319 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.252 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.351 W/kg
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.289 mW/g



0 dB = 0.290mW/g

#05 GSM850_GPRS (2 Tx slots)_Edge1 0cm_Ch189_Sensor off

DUT: 2D2802

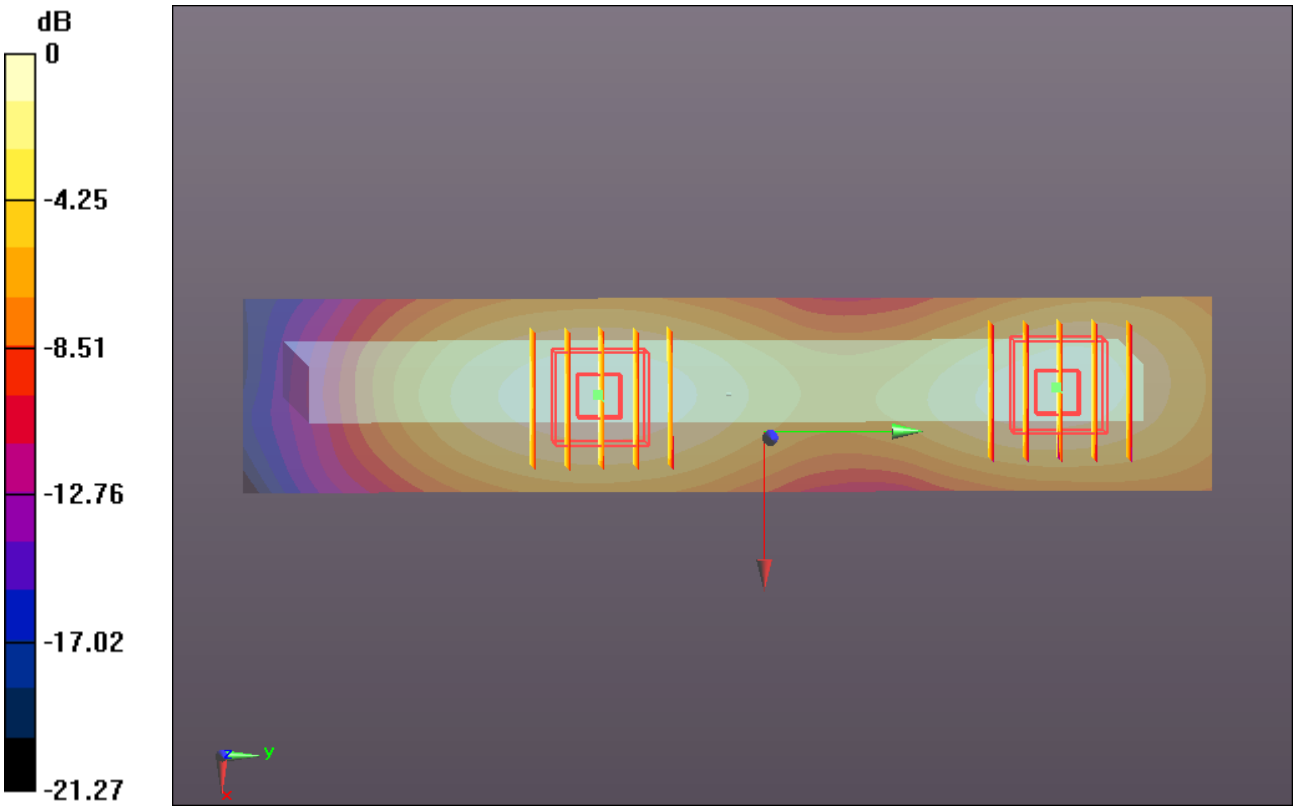
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.197 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.271 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.205 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.271 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.100 mW/g
Maximum value of SAR (measured) = 0.209 mW/g



0 dB = 0.210mW/g

#06 GSM850_GPRS (2 Tx slots)_Edge2 0cm_Ch128_Sensor on

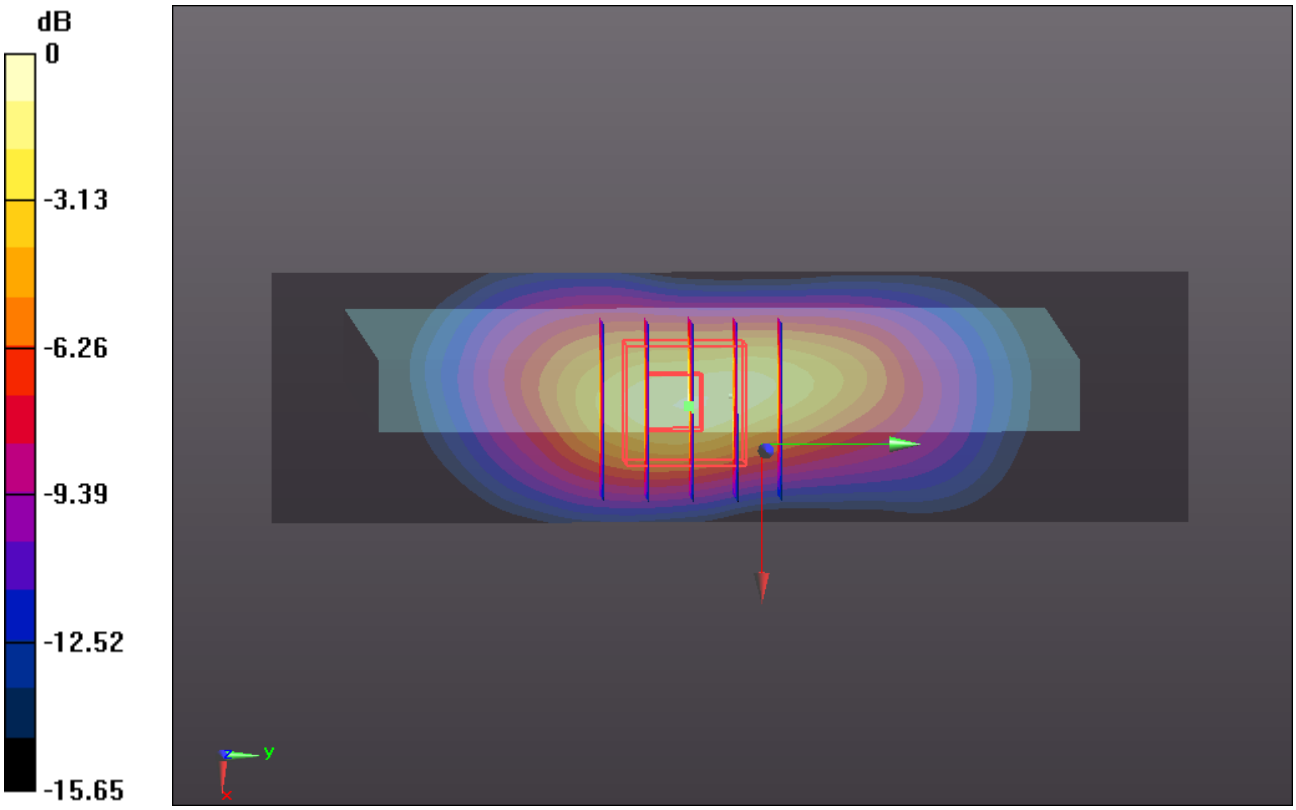
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 824.6 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 825 MHz; σ = 0.973 mho/m; ε_r = 54.947; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.888 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.240 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 3.567 W/kg
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.362 mW/g
Maximum value of SAR (measured) = 1.109 mW/g



0 dB = 1.110mW/g

#07 GSM850_GPRS (2 Tx slots)_Edge2 0cm_Ch251_Sensor on

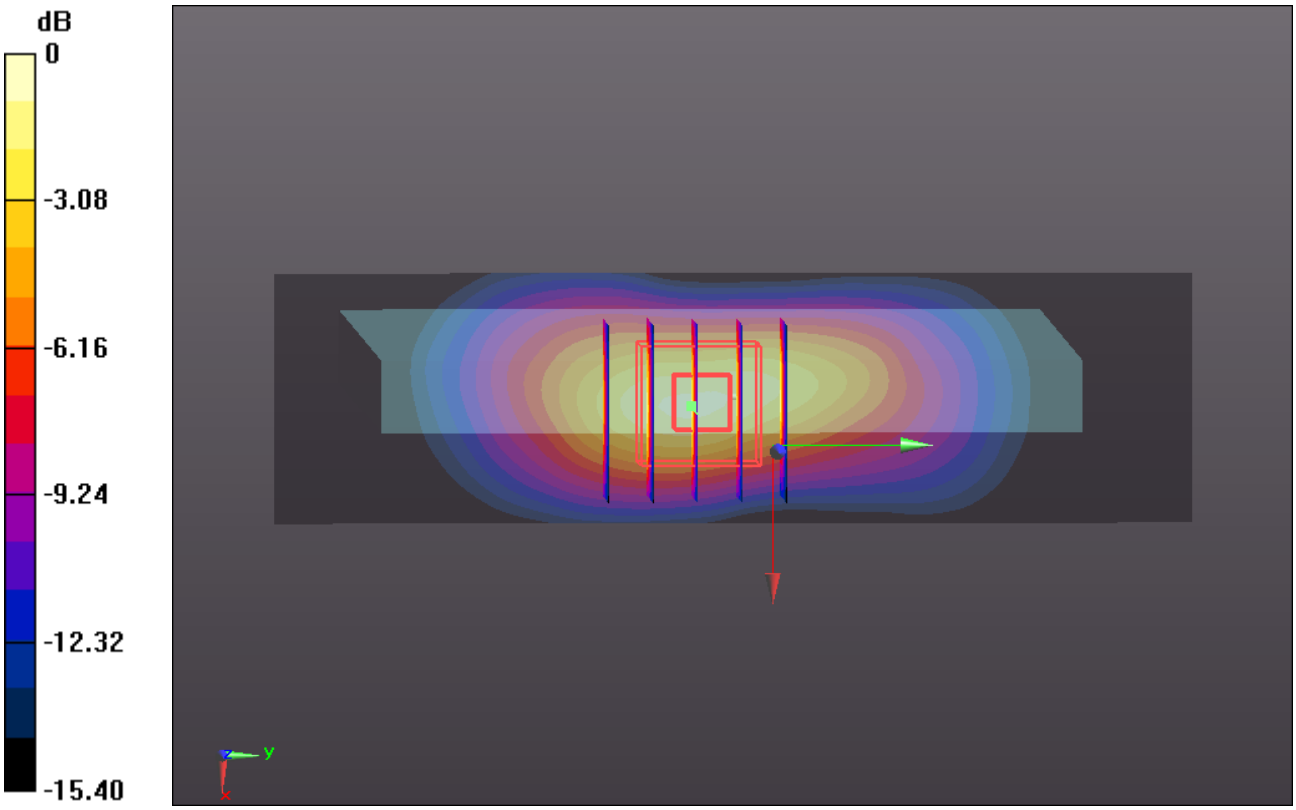
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 849 MHz; σ = 0.997 mho/m; ε_r = 54.708; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.009 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.272 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.561 W/kg
SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 1.205 mW/g



0 dB = 1.200mW/g

#07 GSM850_GPRS (2 Tx slots)_Edge2 0cm_Ch251_Sensor on_2D

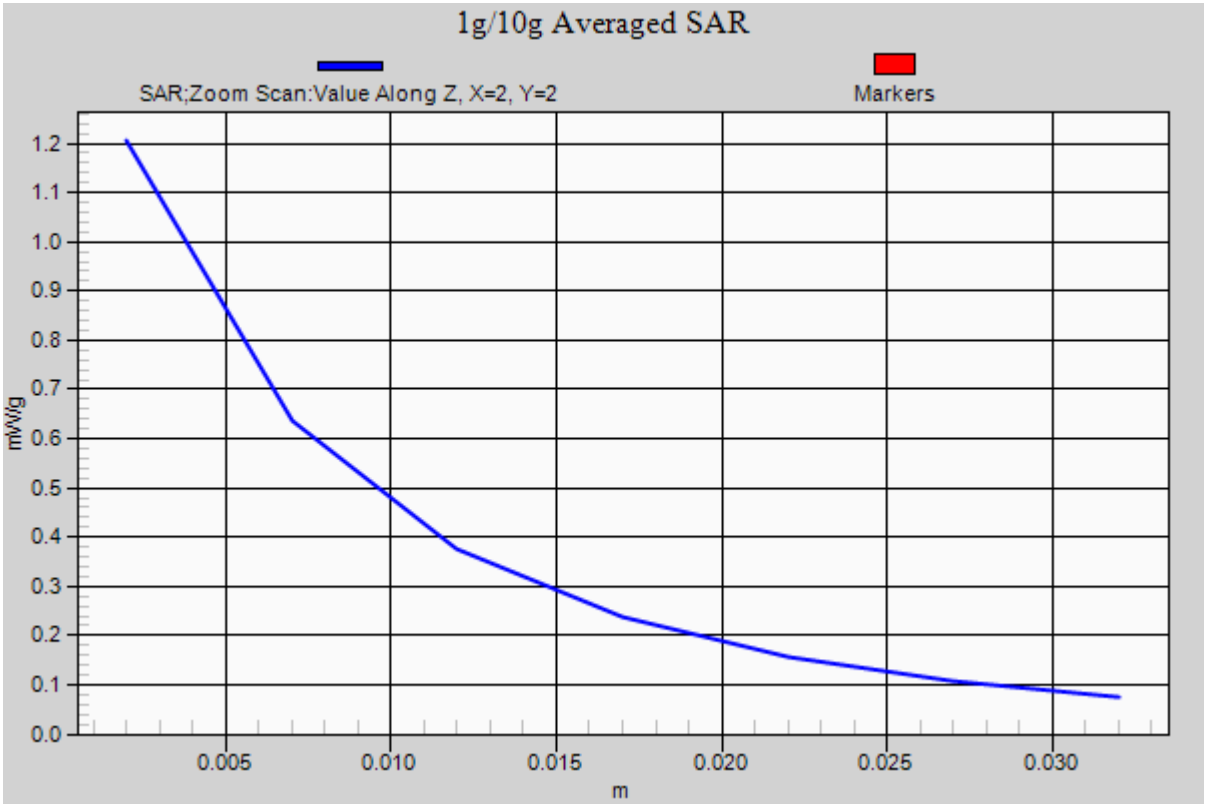
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 849 MHz; σ = 0.997 mho/m; ε_r = 54.708; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.009 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.272 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.561 W/kg
SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 1.205 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

#08 GSM850_GPRS (2 Tx slots)_Edge2 0cm_Ch251_Sensor on_Repeat SAR

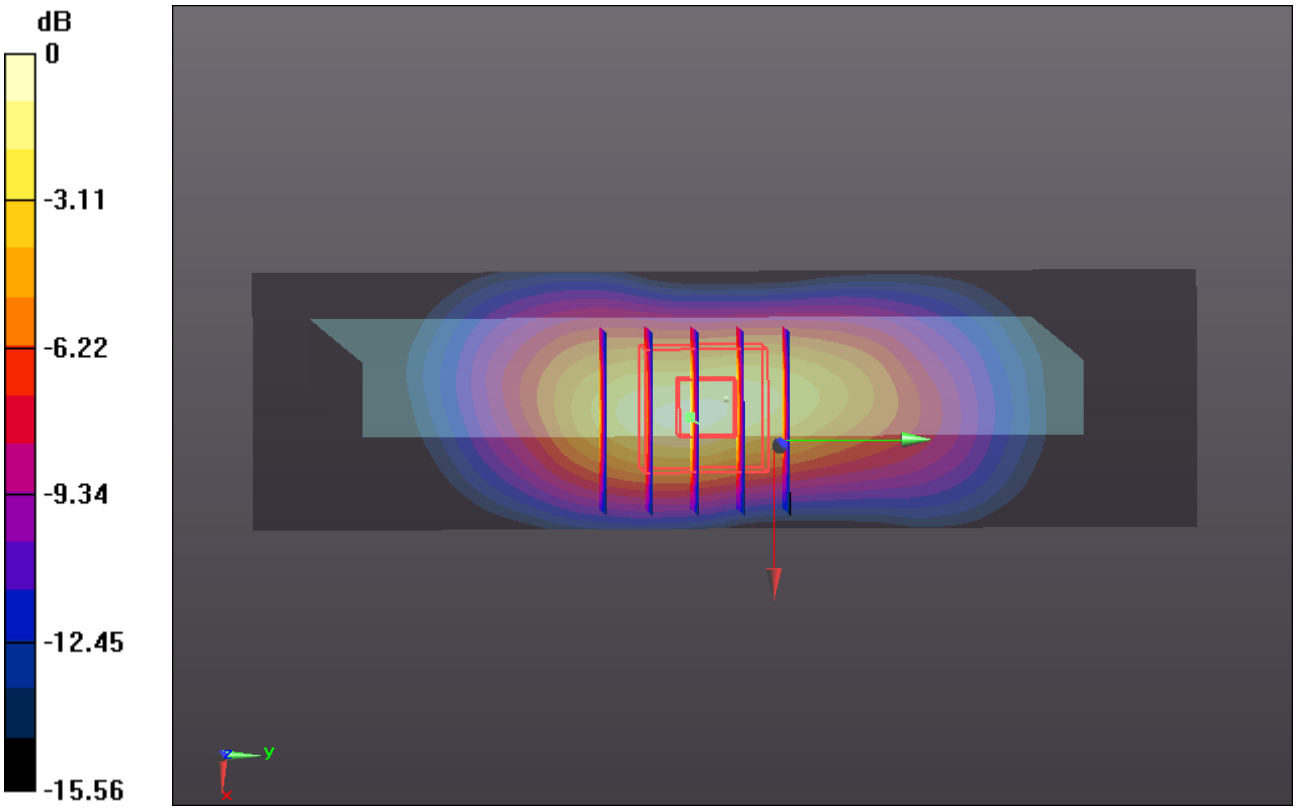
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz;Duty Cycle: 1:4
Medium: MSL_835_130110 Medium parameters used: f = 849 MHz; σ = 0.997 mho/m; ε_r = 54.708; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.958 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.431 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.459 W/kg
SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.385 mW/g
Maximum value of SAR (measured) = 1.113 mW/g



0 dB = 1.110mW/g

#09 GSM850_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch189_Sensor on

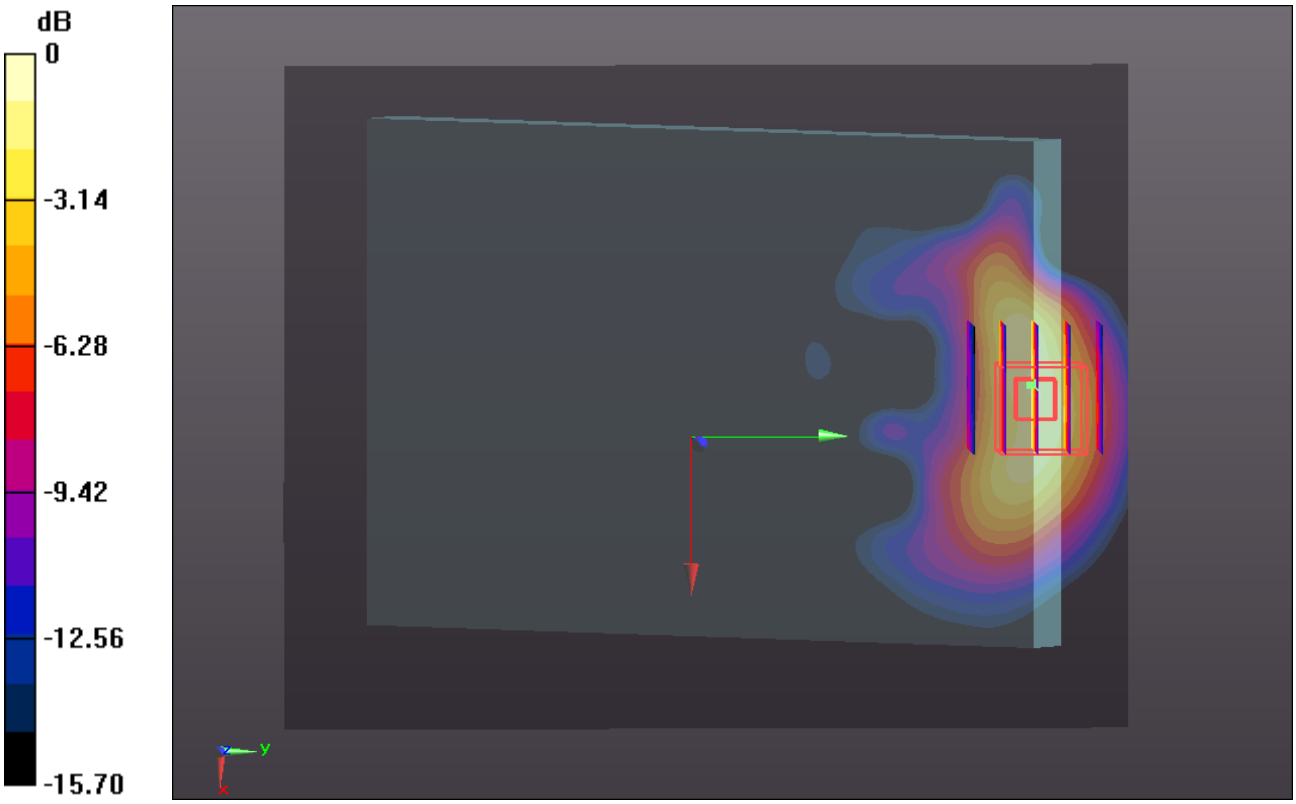
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz;Duty Cycle: 1:4.00037
Medium: MSL_835_130110 Medium parameters used: f = 836.4 MHz; σ = 0.984 mho/m; ε_r = 54.841; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.917 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.644 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.433 W/kg
SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 1.136 mW/g



0 dB = 1.140mW/g

#10 GSM1900_GPRS (2 Tx slots)_Bottom Face 0cm_Ch810_Sensor on

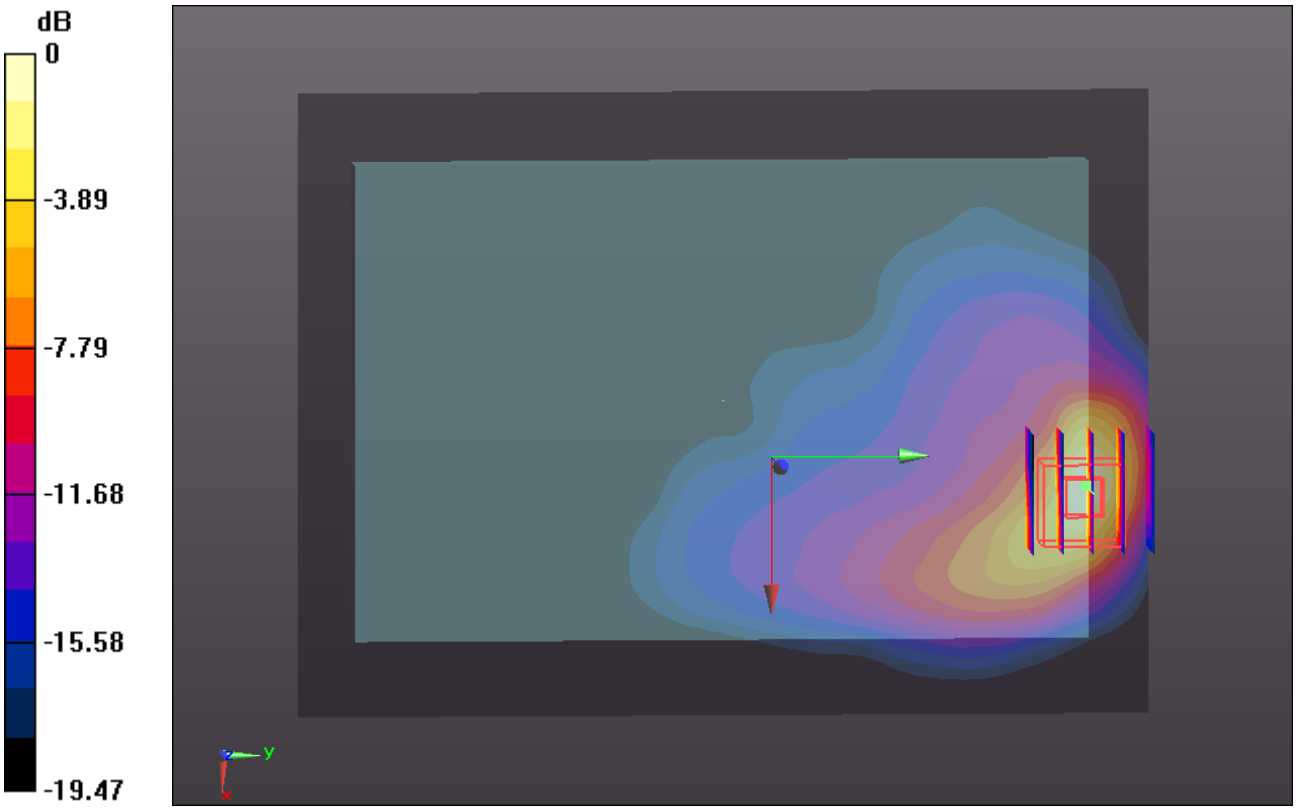
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.340 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.096 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.740 W/kg
SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 1.364 mW/g



0 dB = 1.360mW/g

#11 GSM1900_GPRS (2 Tx slots)_Bottom Face 0.8cm_Ch810_Sensor off

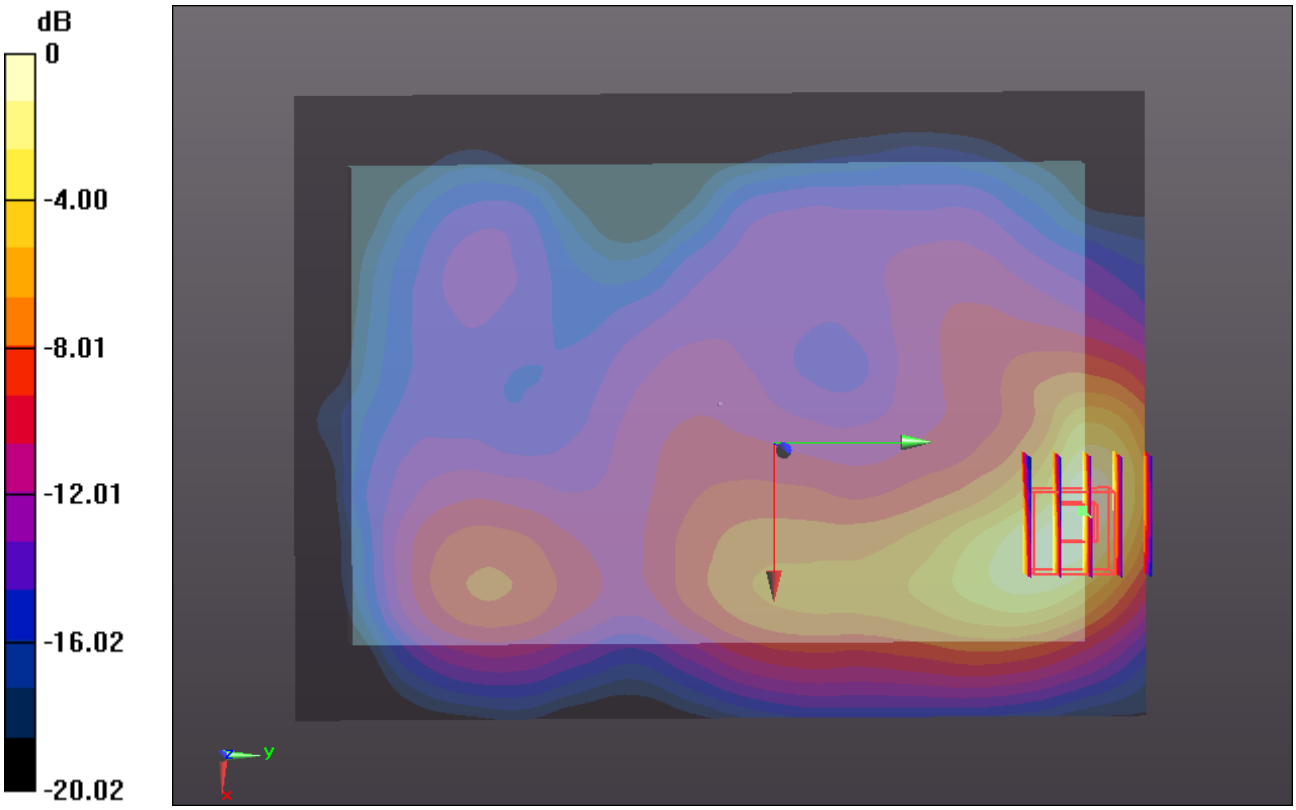
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.708 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.820 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.929 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.290 mW/g
Maximum value of SAR (measured) = 0.740 mW/g



0 dB = 0.740mW/g

#12 GSM1900_GPRS (2 Tx slots)_Edge2 0cm_Ch810_Sensor On

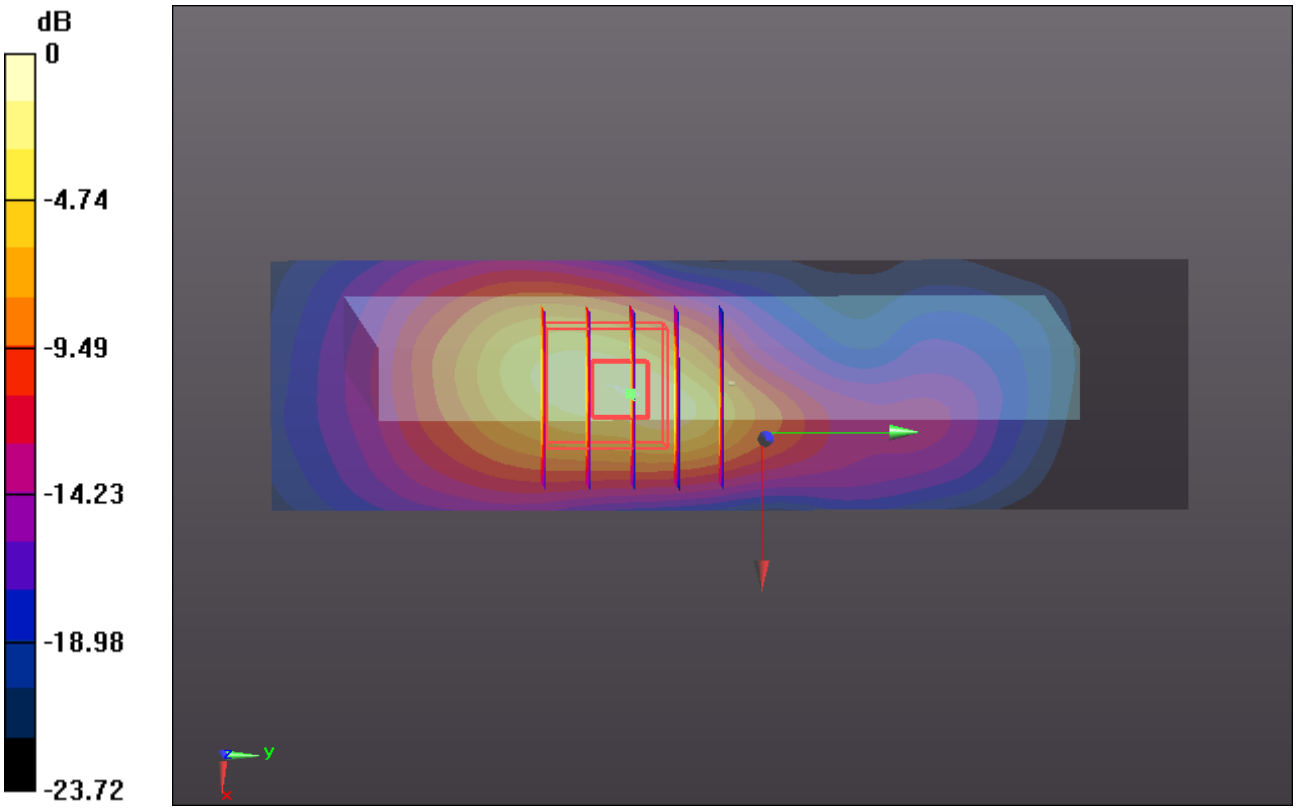
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.234 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.167 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.244 W/kg
SAR(1 g) = 1.030 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 1.758 mW/g



0 dB = 1.760mW/g

#14 GSM1900_GPRS (2 Tx slots)_Edge3 0cm_Ch810_Sensor off

DUT: 2D2802

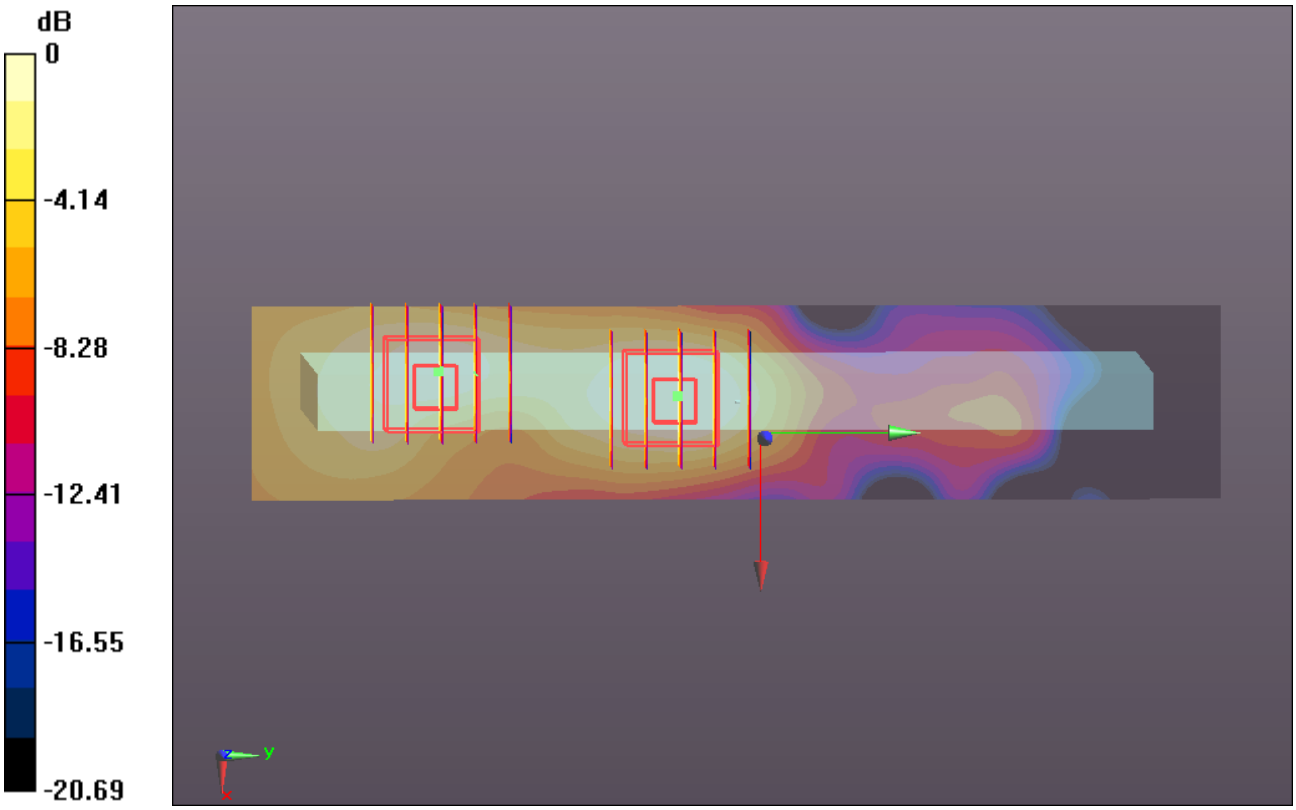
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.085 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.613 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.091 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.613 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.092 W/kg
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.069 mW/g



0 dB = 0.070mW/g

#15 GSM1900_GPRS (2 Tx slots)_Edge1 0cm_Ch810_Sensor off

DUT: 2D2802

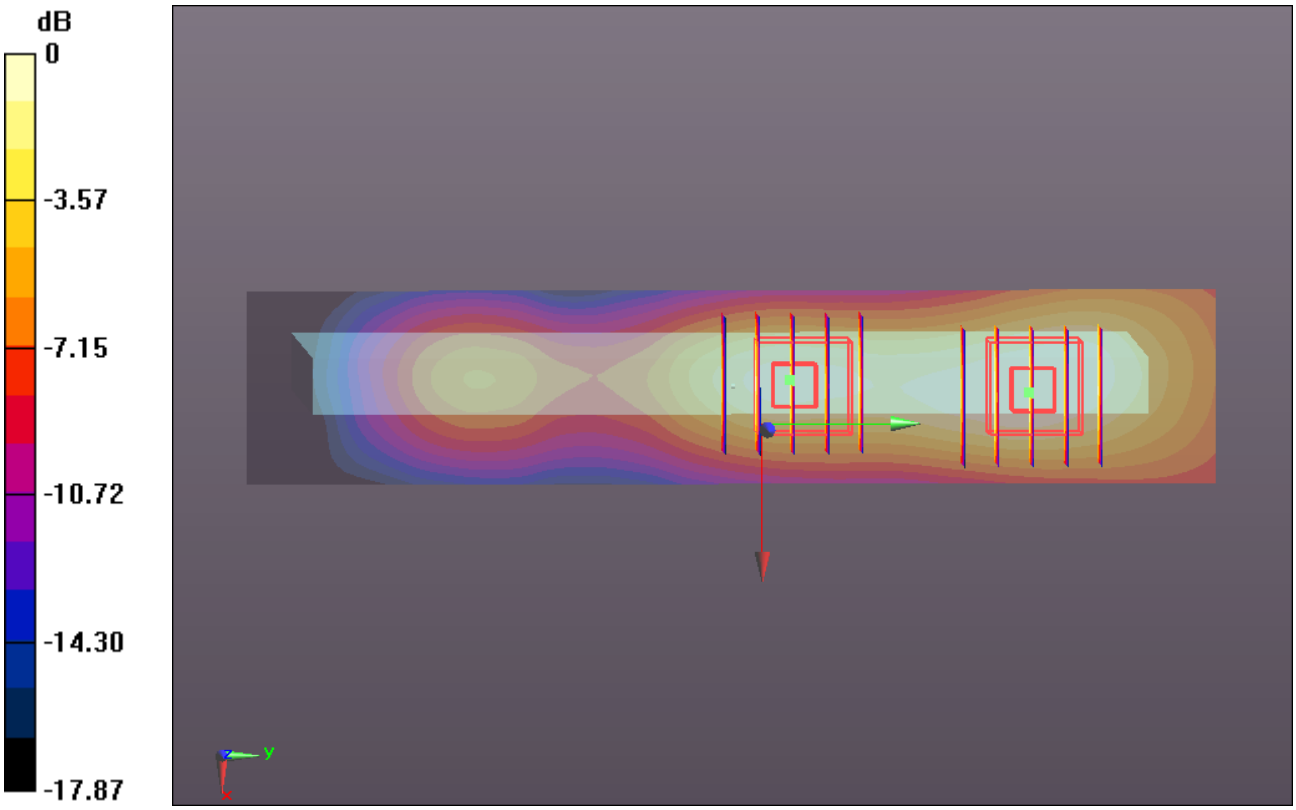
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.390 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.912 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.544 W/kg
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.438 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.912 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.353 mW/g



0 dB = 0.350mW/g

#16 GSM1900_GPRS (2 Tx slots)_Bottom Face 0cm_Ch512_Sensor on

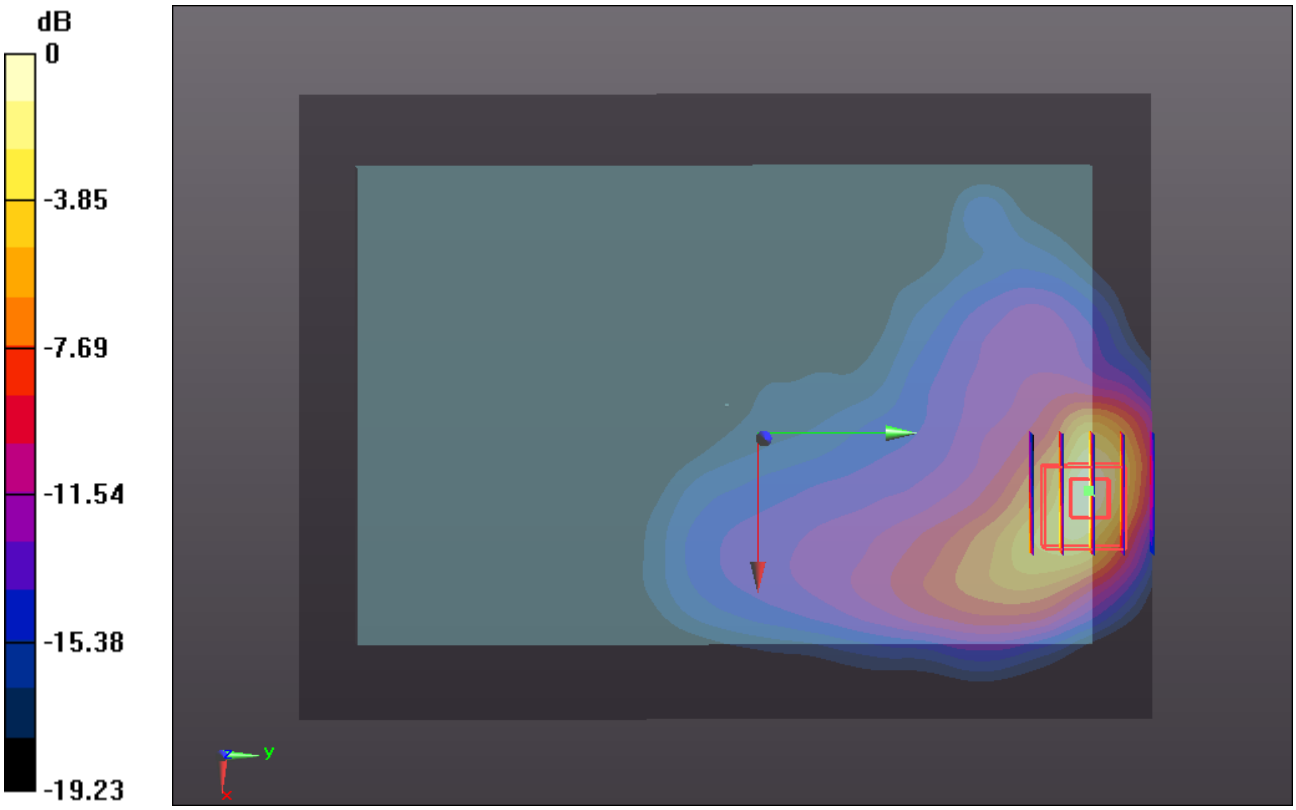
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1850.2 MHz; σ = 1.492 mho/m; ε_r = 53.424; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.285 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.356 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.662 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.380 mW/g
Maximum value of SAR (measured) = 1.309 mW/g



0 dB = 1.310mW/g

#17 GSM1900_GPRS (2 Tx slots)_Bottom Face 0cm_Ch661_Sensor on

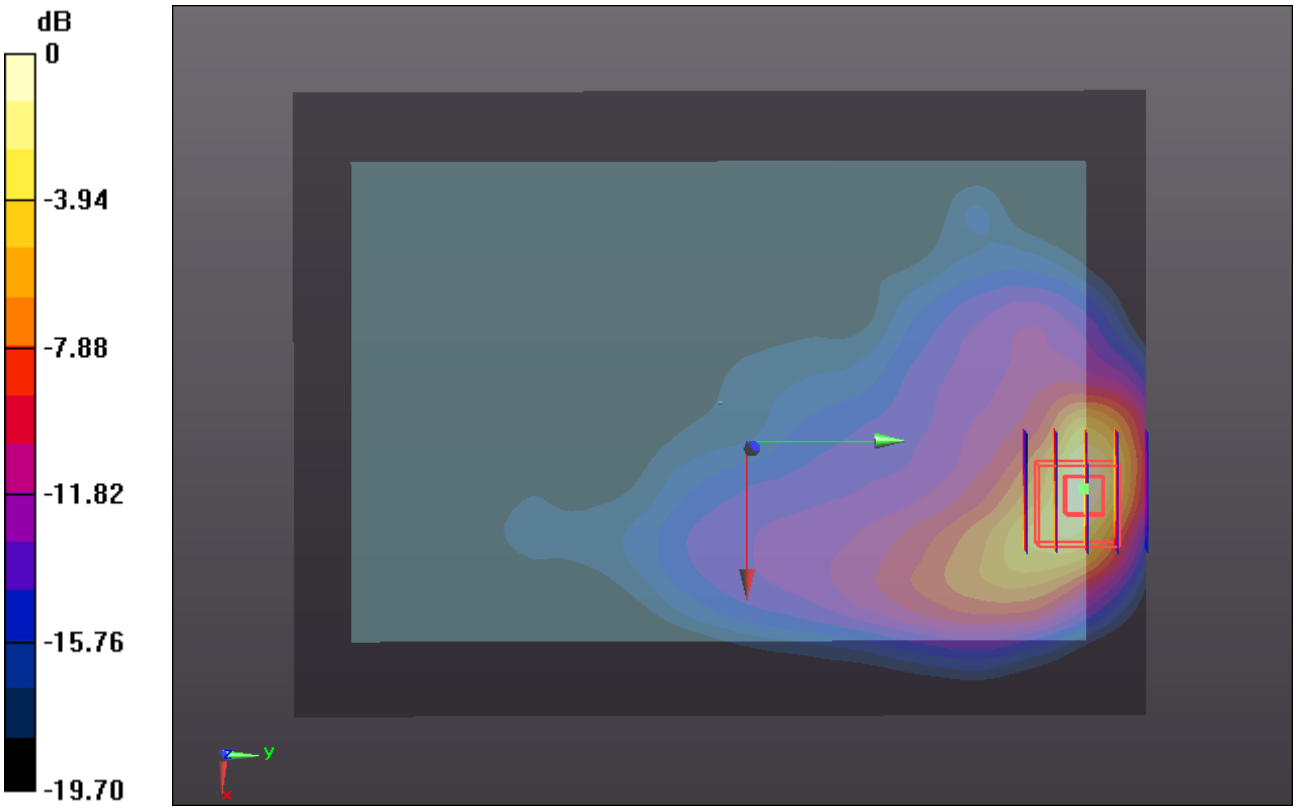
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.449 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.129 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.847 W/kg
SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.419 mW/g
Maximum value of SAR (measured) = 1.463 mW/g



0 dB = 1.460mW/g

#18 GSM1900_GPRS (2 Tx slots)_Edge2 0cm_Ch512_Sensor On

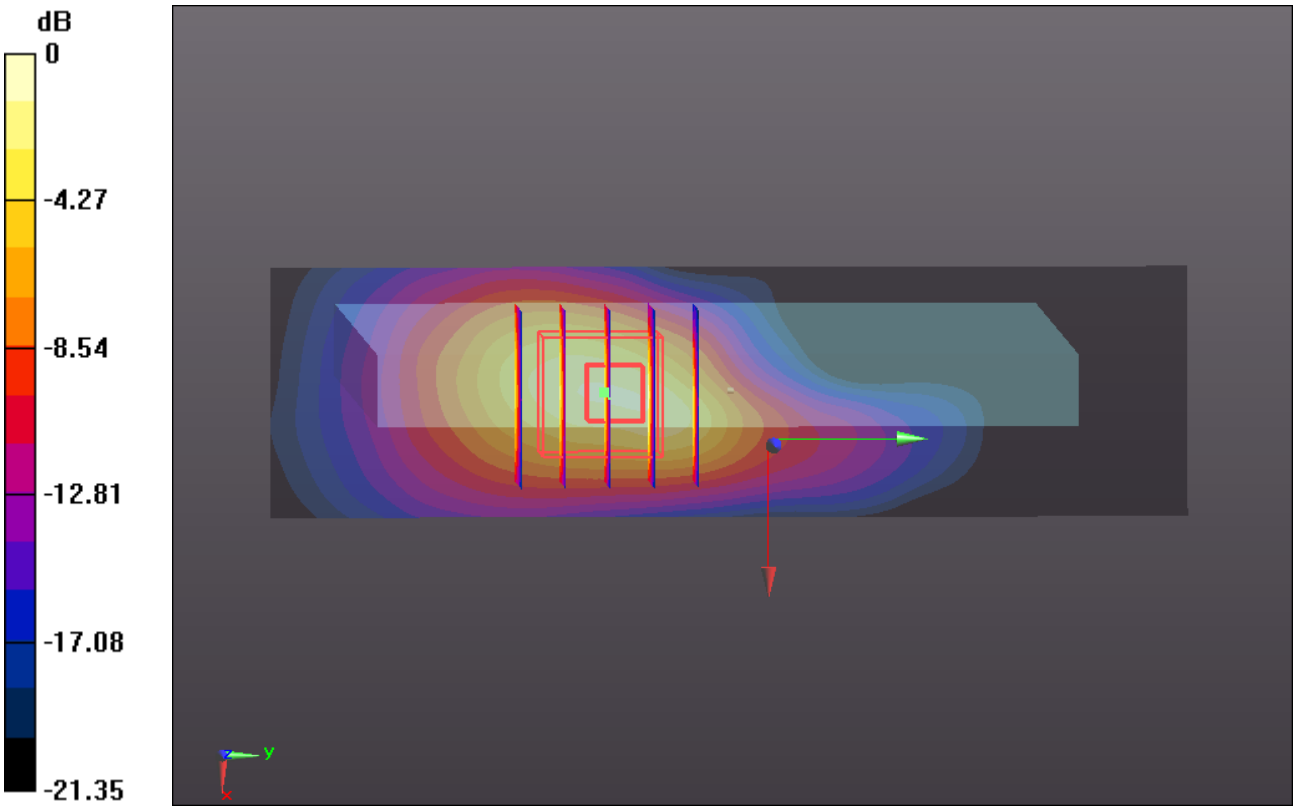
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1850.2 MHz; σ = 1.492 mho/m; ε_r = 53.424; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.138 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.648 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.934 W/kg
SAR(1 g) = 0.946 mW/g; SAR(10 g) = 0.438 mW/g
Maximum value of SAR (measured) = 1.506 mW/g



0 dB = 1.510mW/g

#19 GSM1900_GPRS (2 Tx slots)_Edge2 0cm_Ch661_Sensor On

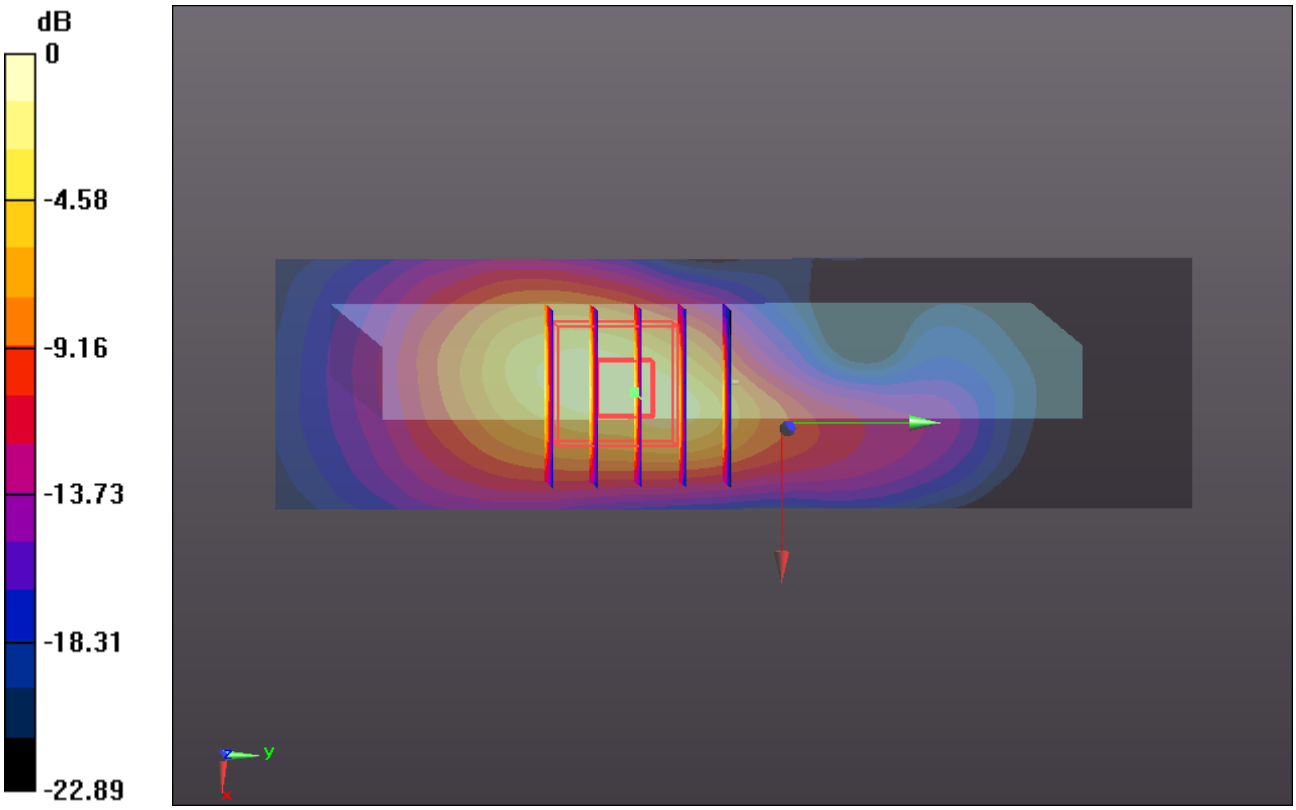
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.212 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.200 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.221 W/kg
SAR(1 g) = 1.020 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 1.739 mW/g



0 dB = 1.740mW/g

#20 GSM1900_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch810_Sensor on

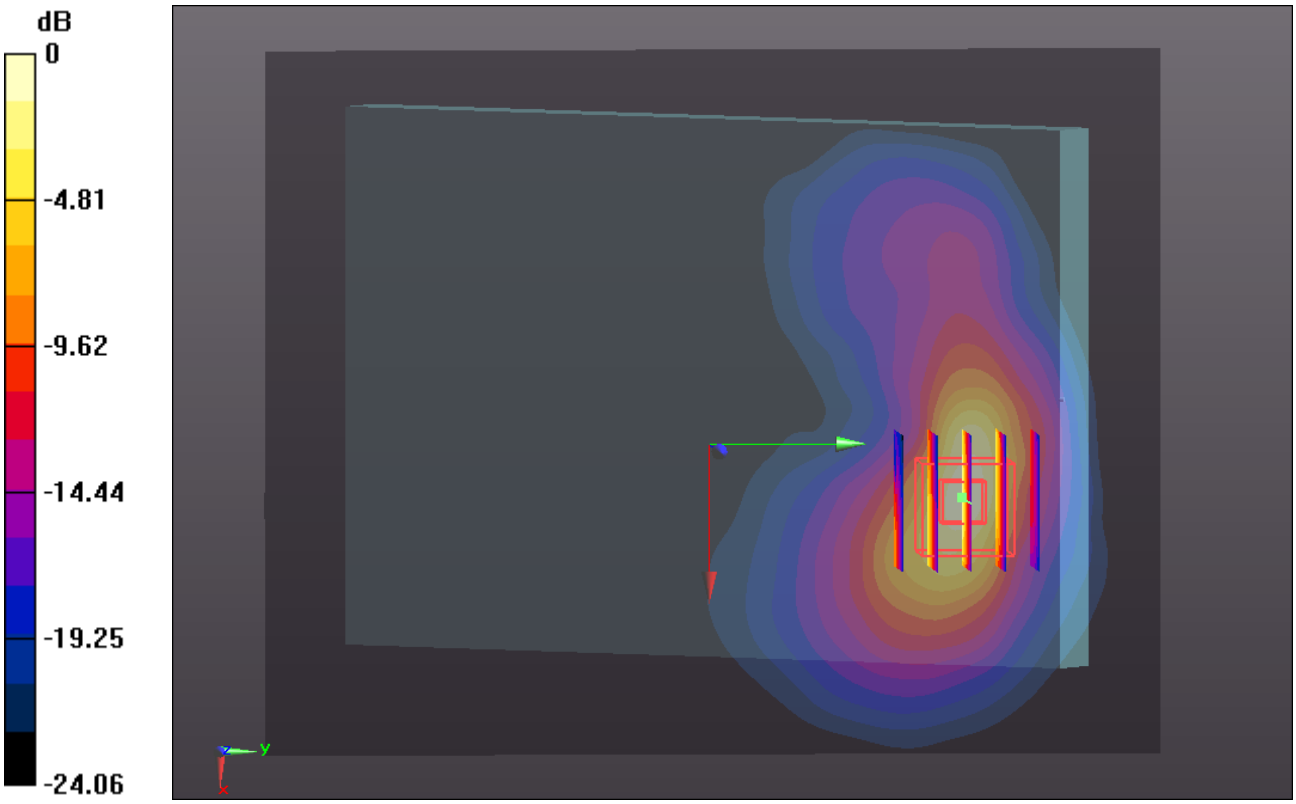
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1910 MHz; σ = 1.562 mho/m; ε_r = 53.281; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.742 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.286 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 2.353 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 1.842 mW/g



0 dB = 1.840mW/g

#21 GSM1900_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch512_Sensor on

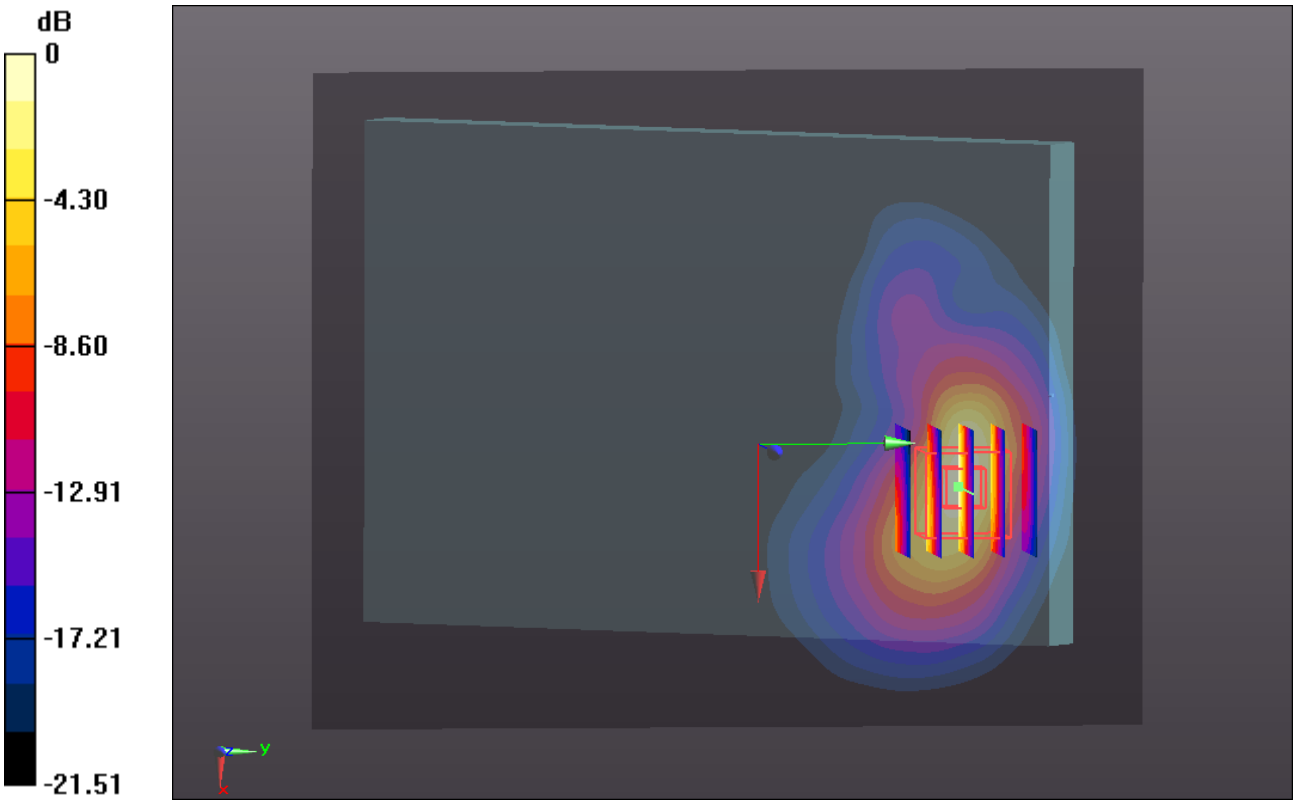
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1850.2 MHz; σ = 1.492 mho/m; ε_r = 53.424; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.606 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.418 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.133 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 1.671 mW/g



0 dB = 1.670mW/g

#22 GSM1900_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch661_Sensor on

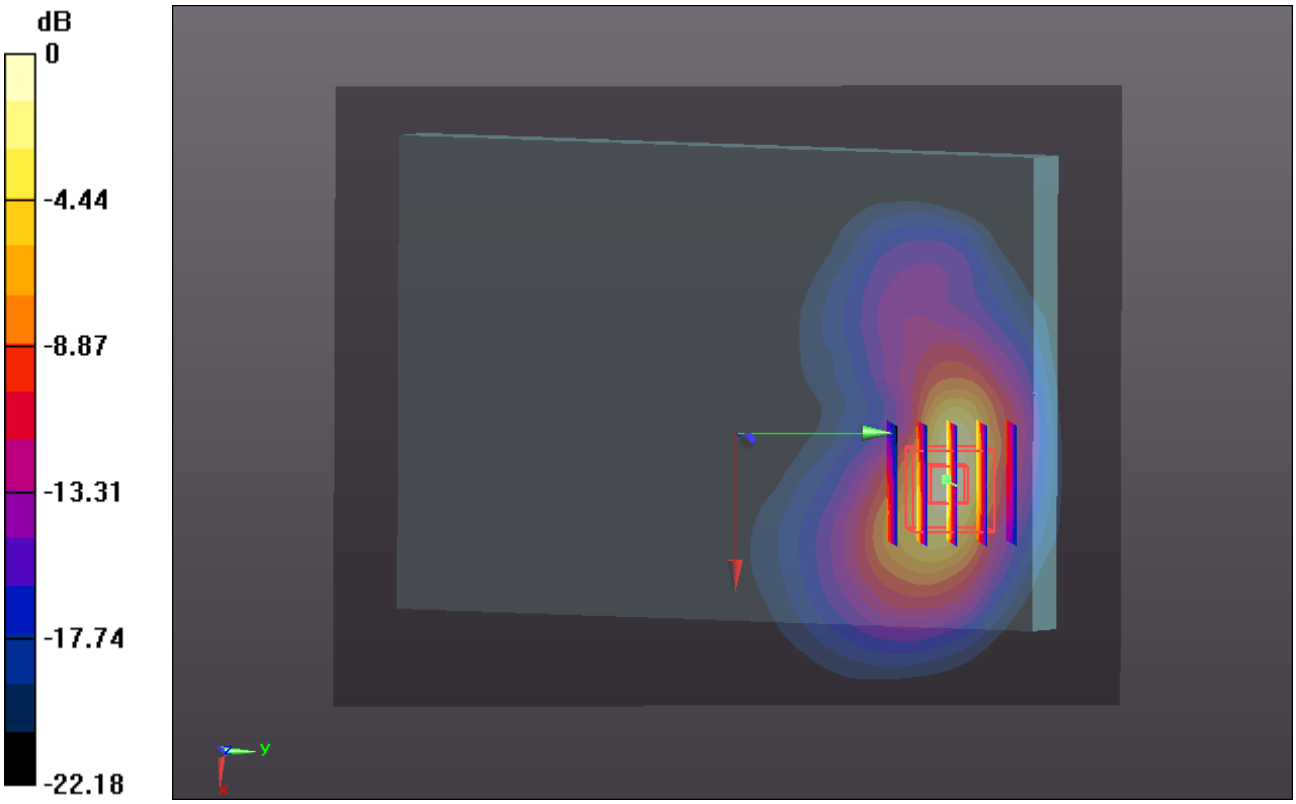
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.770 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.510 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.354 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 1.839 mW/g



0 dB = 1.840mW/g

#22 GSM1900_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch661_Sensor on_2D

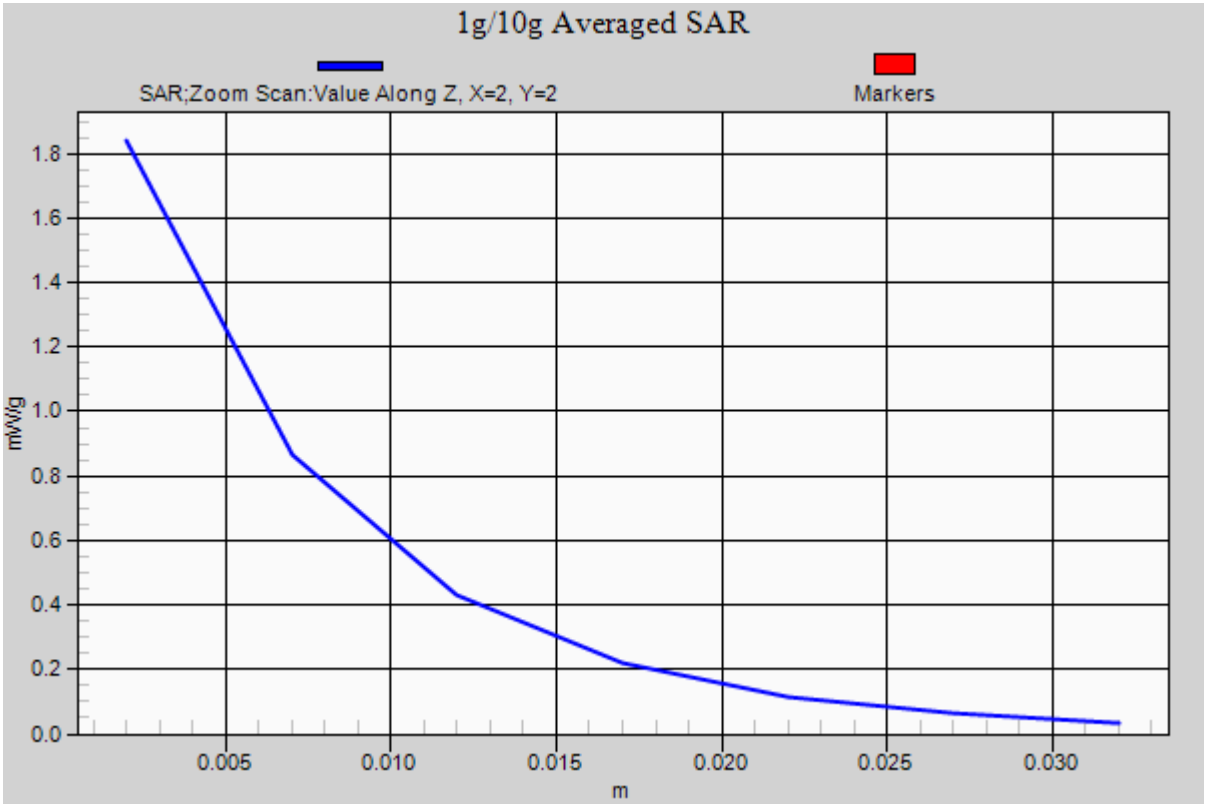
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.770 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.510 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.354 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 1.839 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

#23 GSM1900_GPRS (2 Tx slots)_Bottom Face_Curved surface of Edge2_Ch661_Sensor on

_Repeat SAR

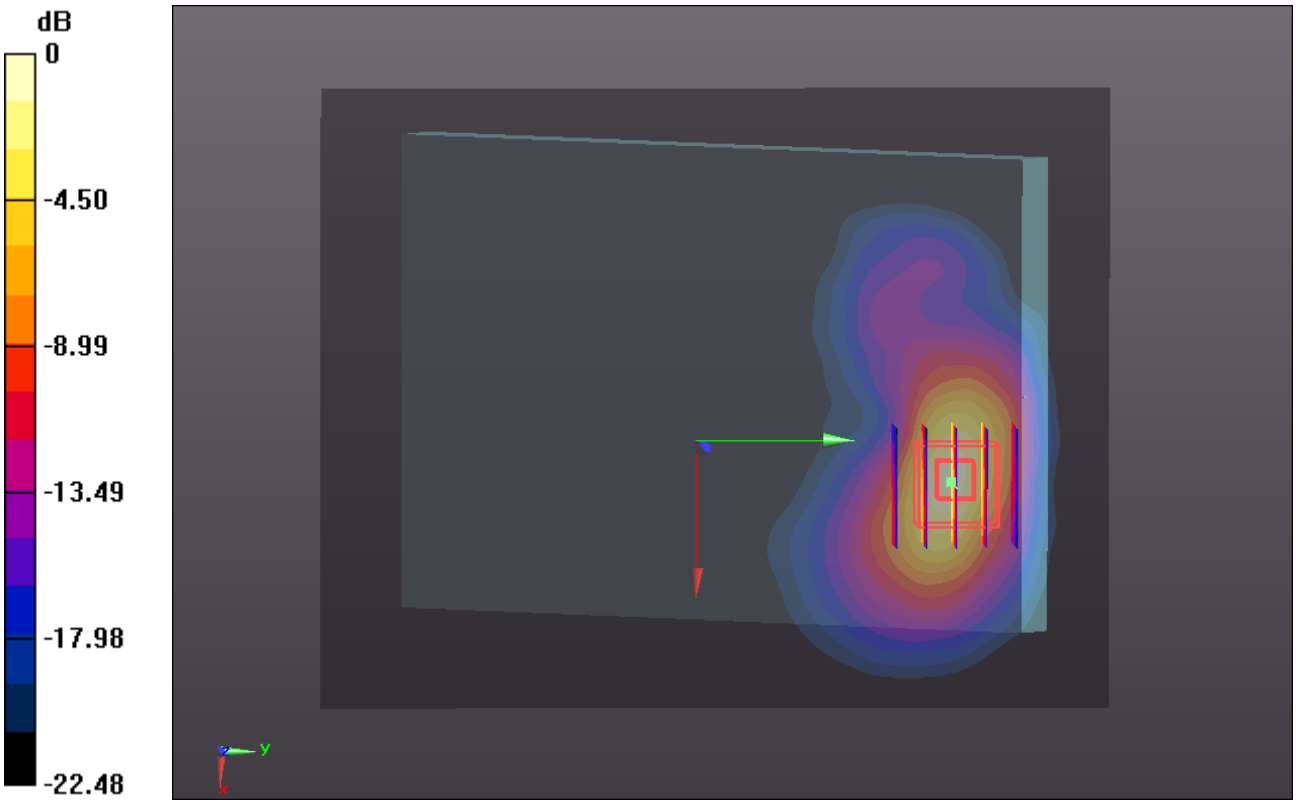
DUT: 2D2802

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.591 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.978 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.359 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.480 mW/g
Maximum value of SAR (measured) = 1.829 mW/g



0 dB = 1.830mW/g

#24 WCDMA V_RMC12.2K_Bottom Face 0cm_Ch4233_Sensor on

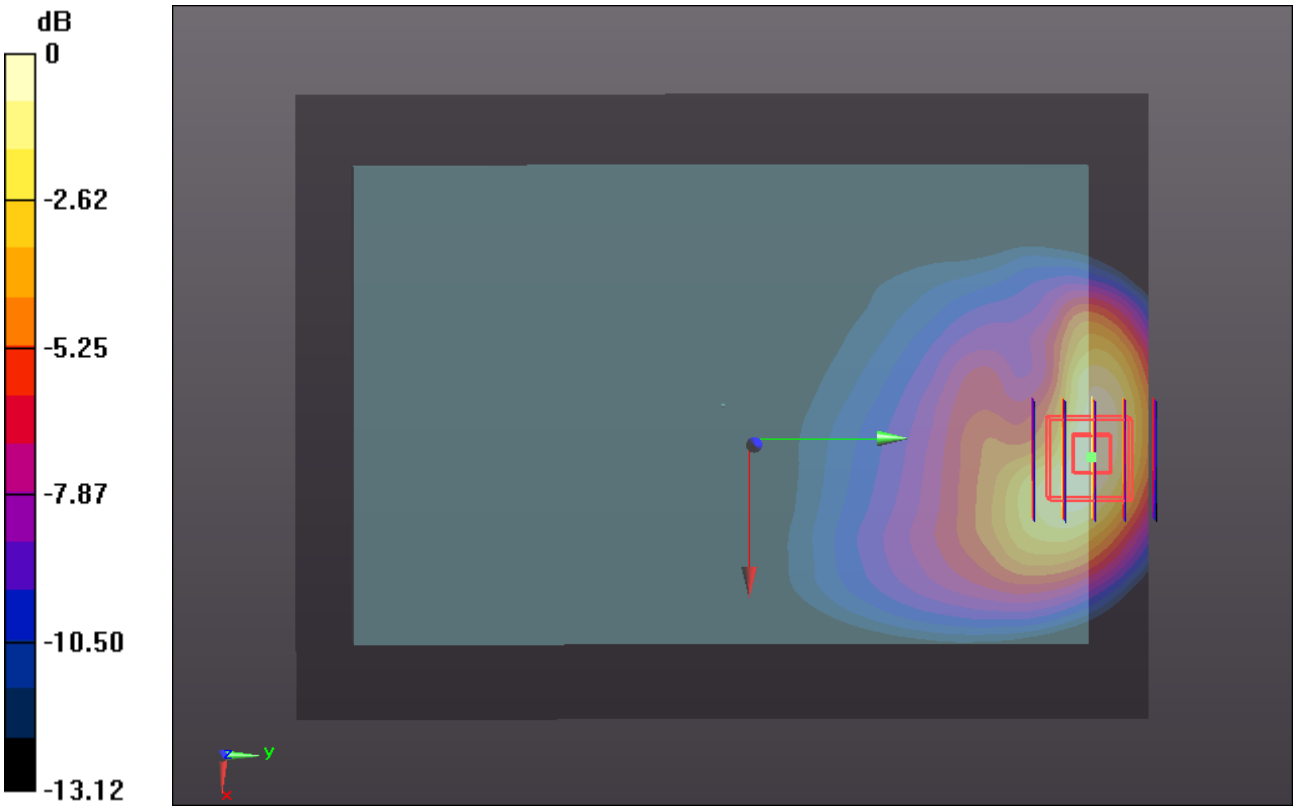
DUT: 2D2802

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃； Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.949 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.130 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 1.125 W/kg
SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.426 mW/g
Maximum value of SAR (measured) = 0.936 mW/g



0 dB = 0.940mW/g

#25 WCDMA V_RMC12.2K_Bottom Face 0.8cm_Ch4233_Sensor off

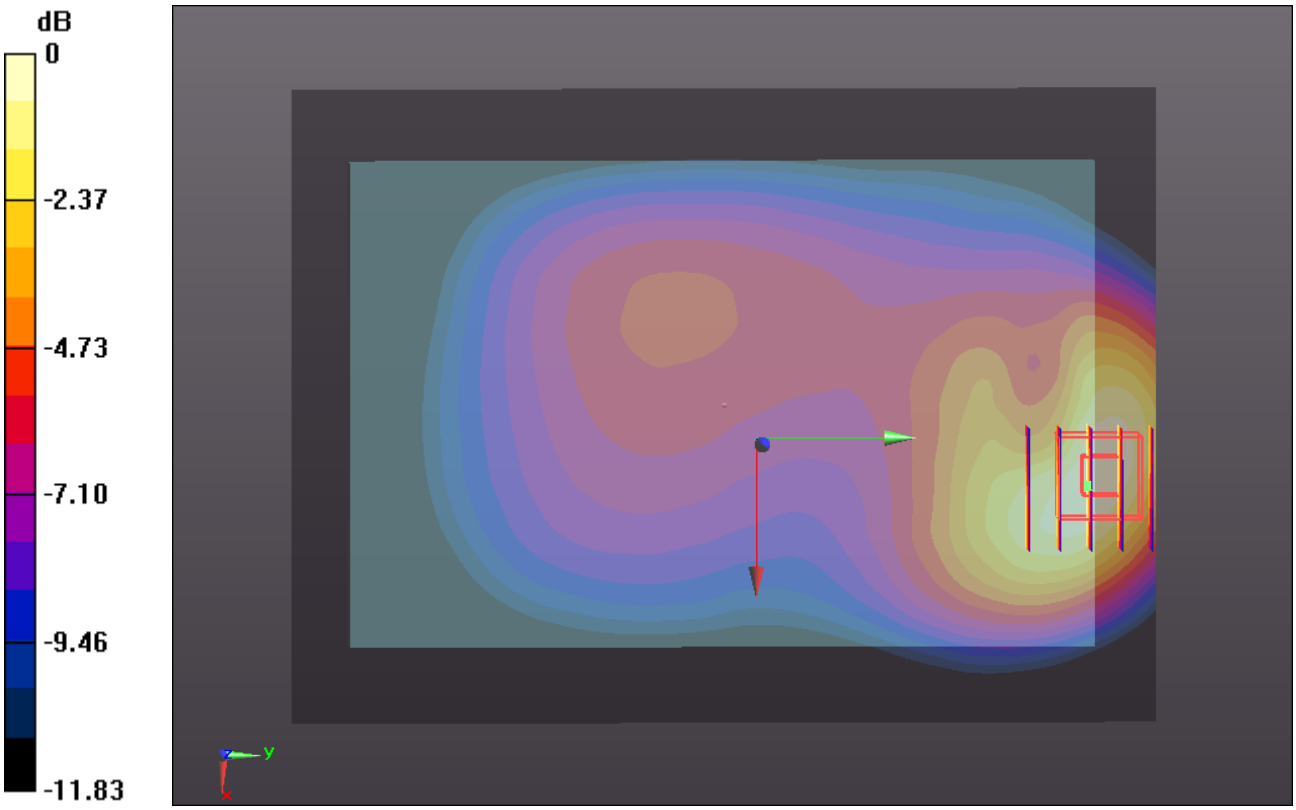
DUT: 2D2802

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.654 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.380 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.759 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.349 mW/g
Maximum value of SAR (measured) = 0.653 mW/g



0 dB = 0.650mW/g

#26 WCDMA V_RMC12.2K_Edge2 0cm_Ch4233_Sensor on

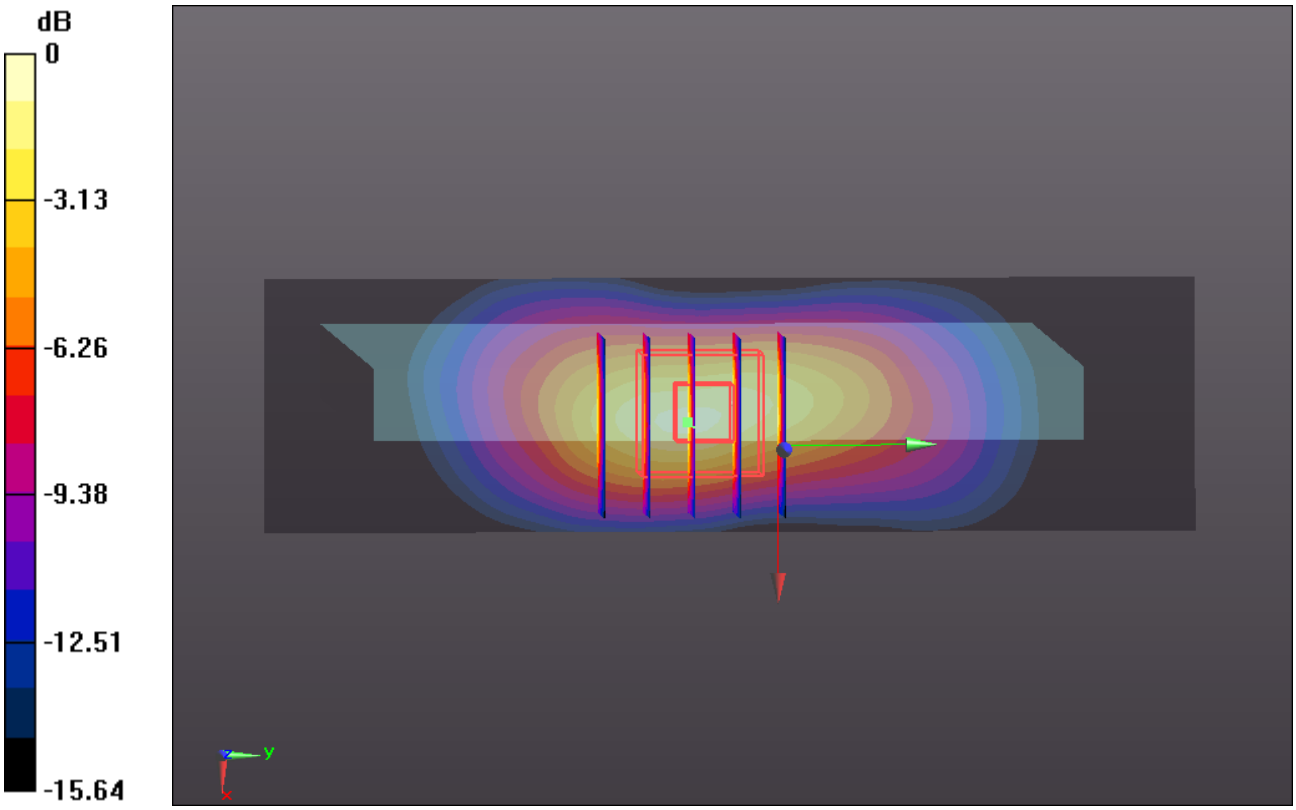
DUT: 2D2802

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.914 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.668 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.439 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 1.080 mW/g



0 dB = 1.080mW/g

#26 WCDMA V_RMC12.2K_Edge2 0cm_Ch4233_Sensor on_2D

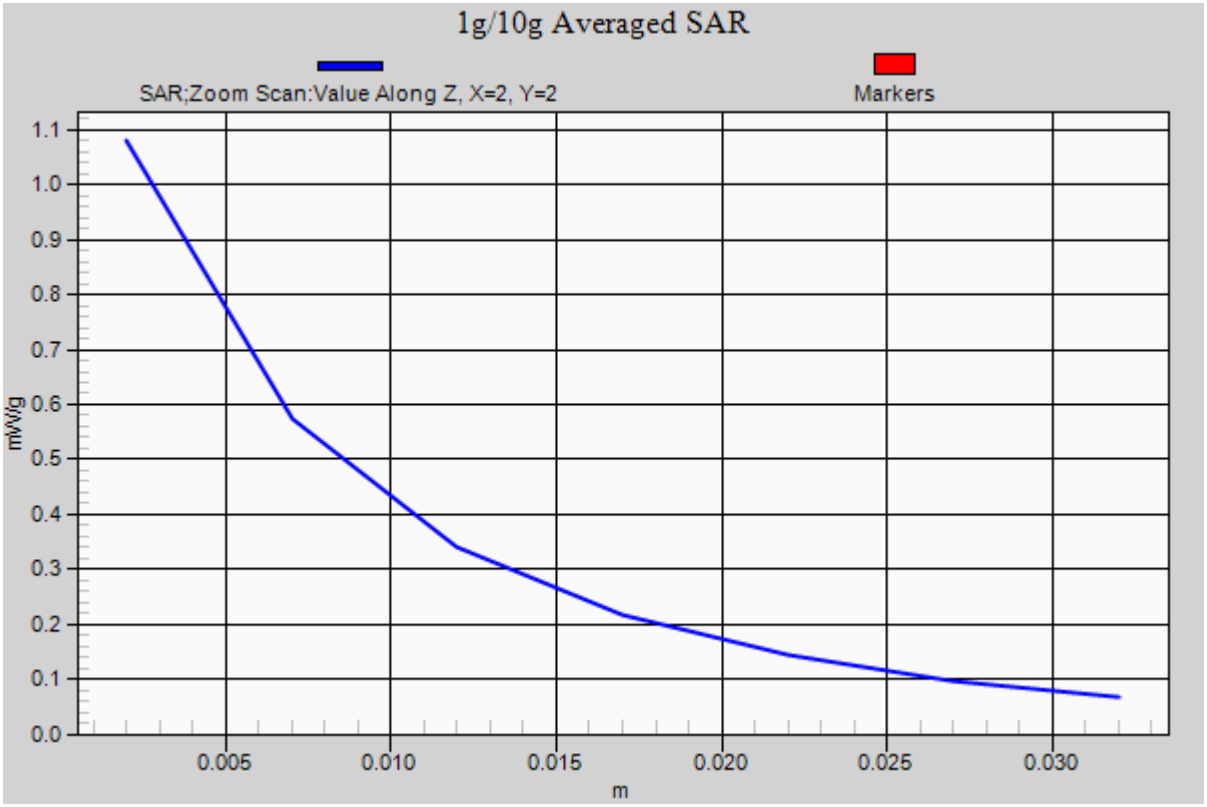
DUT: 2D2802

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.914 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.668 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.439 W/kg
SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 1.080 mW/g


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

#27 WCDMA V_RMC12.2K_Edge3 0cm_Ch4233_Sensor off

DUT: 2D2802

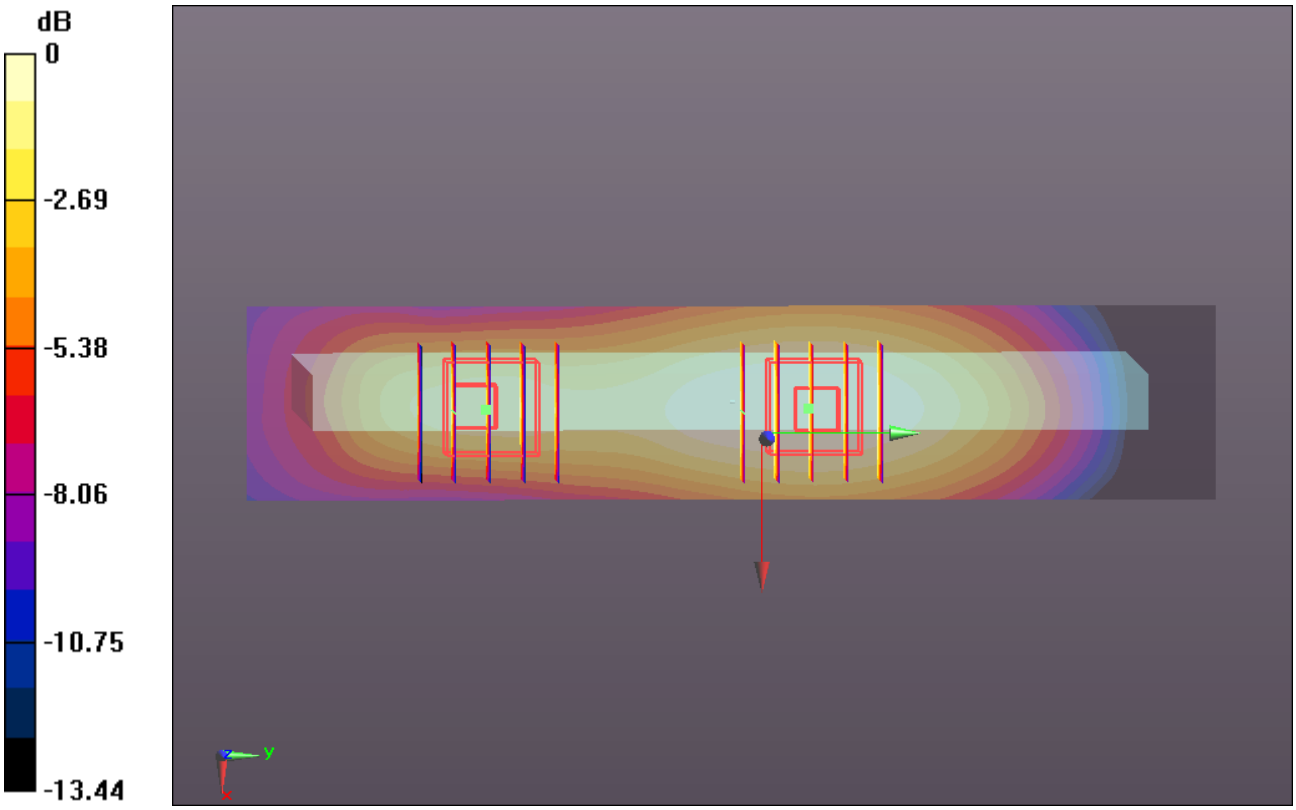
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.202 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.195 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.113 mW/g
Maximum value of SAR (measured) = 0.213 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.195 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.189 mW/g



0 dB = 0.190mW/g

#28 WCDMA V_RMC12.2K_Edge1 0cm_Ch4233_Sensor off

DUT: 2D2802

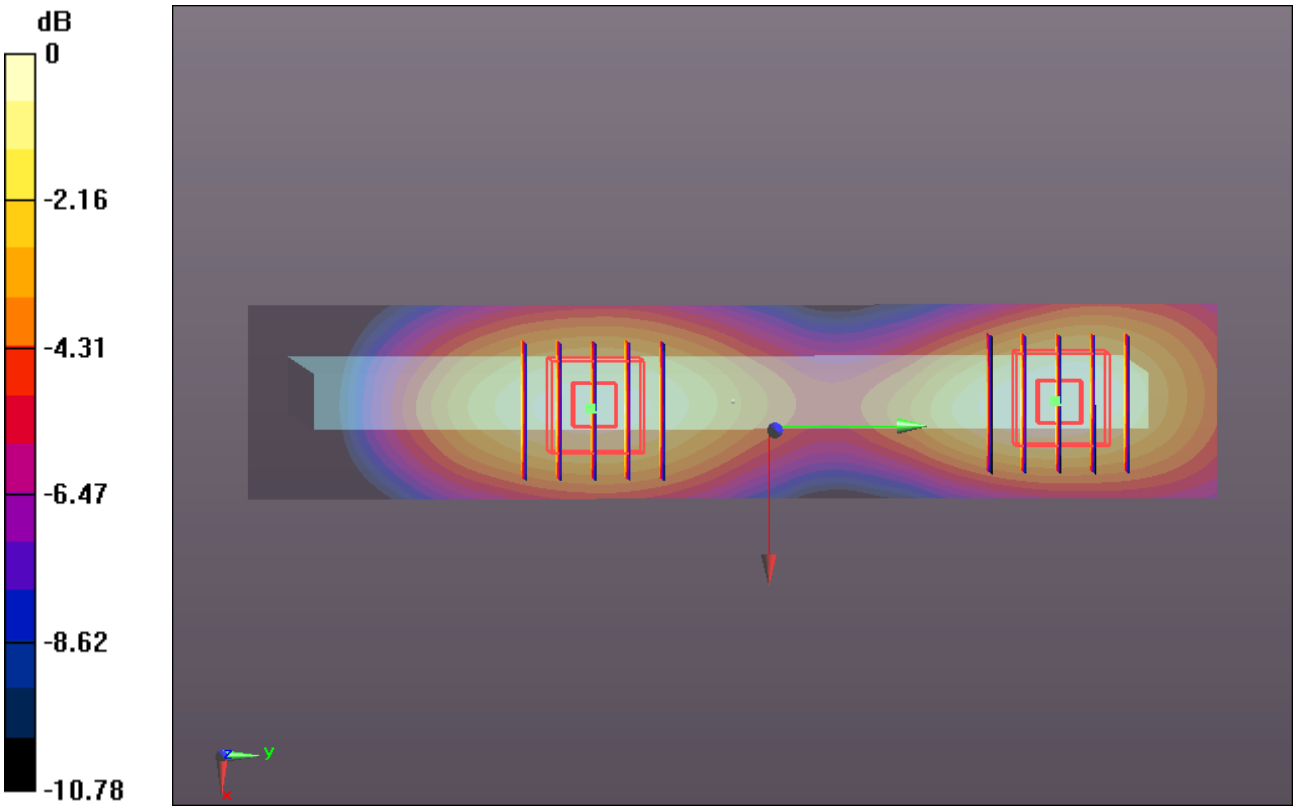
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.147 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.860 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.191 W/kg
SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.159 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.860 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.158 W/kg
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.071 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



0 dB = 0.140mW/g

#29 WCDMA V_RMC12.2K_Bottom Face_Curved surface of Edge2_Ch4233_Sensor on

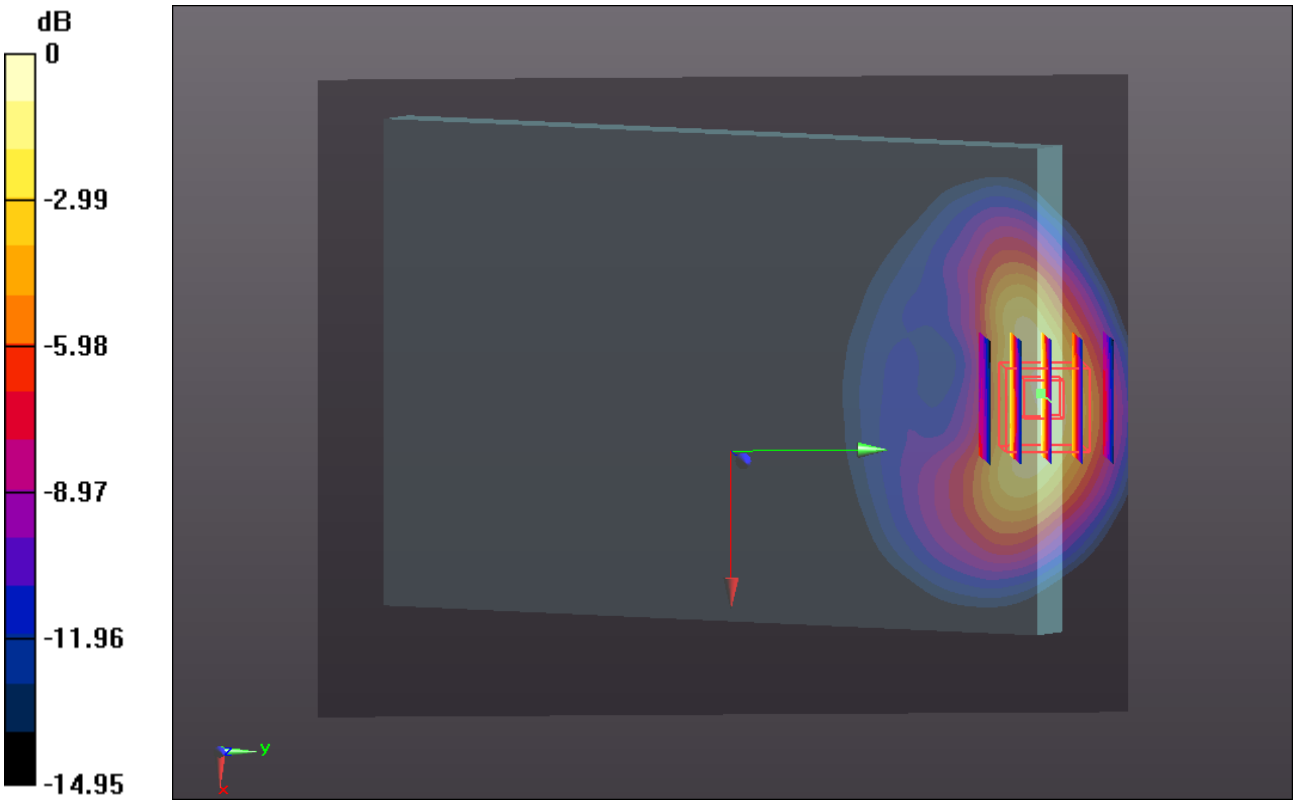
DUT: 2D2802

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_130110 Medium parameters used: f = 847 MHz; σ = 0.994 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.863 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.719 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.319 W/kg
SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 1.049 mW/g



0 dB = 1.050mW/g

#30 WCDMA II_RMC12.2K_Bottom Face 0cm_Ch9538_Sensor on

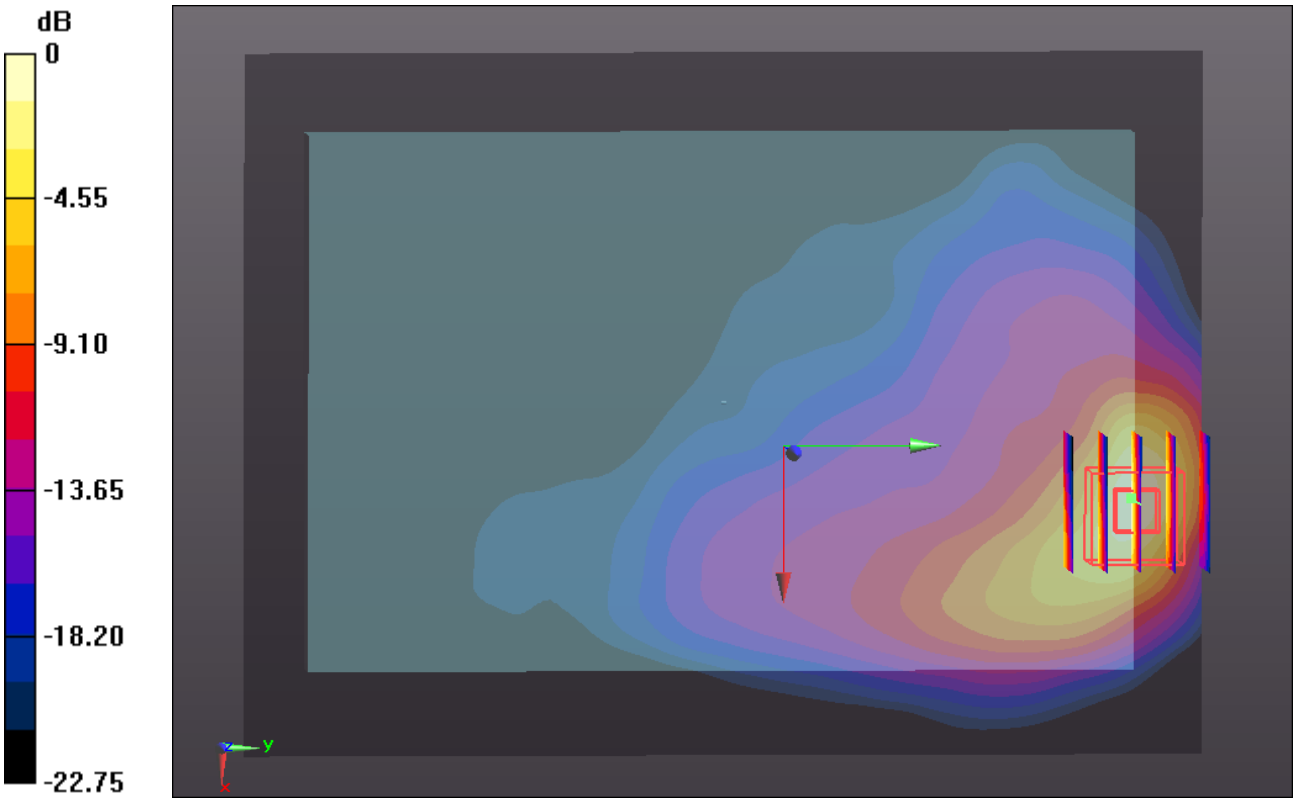
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.604 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.802 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.015 W/kg
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.412 mW/g
Maximum value of SAR (measured) = 1.523 mW/g



0 dB = 1.520mW/g

#31 WCDMA II_RMC12.2K_Bottom Face 0.8cm_Ch9538_Sensor off

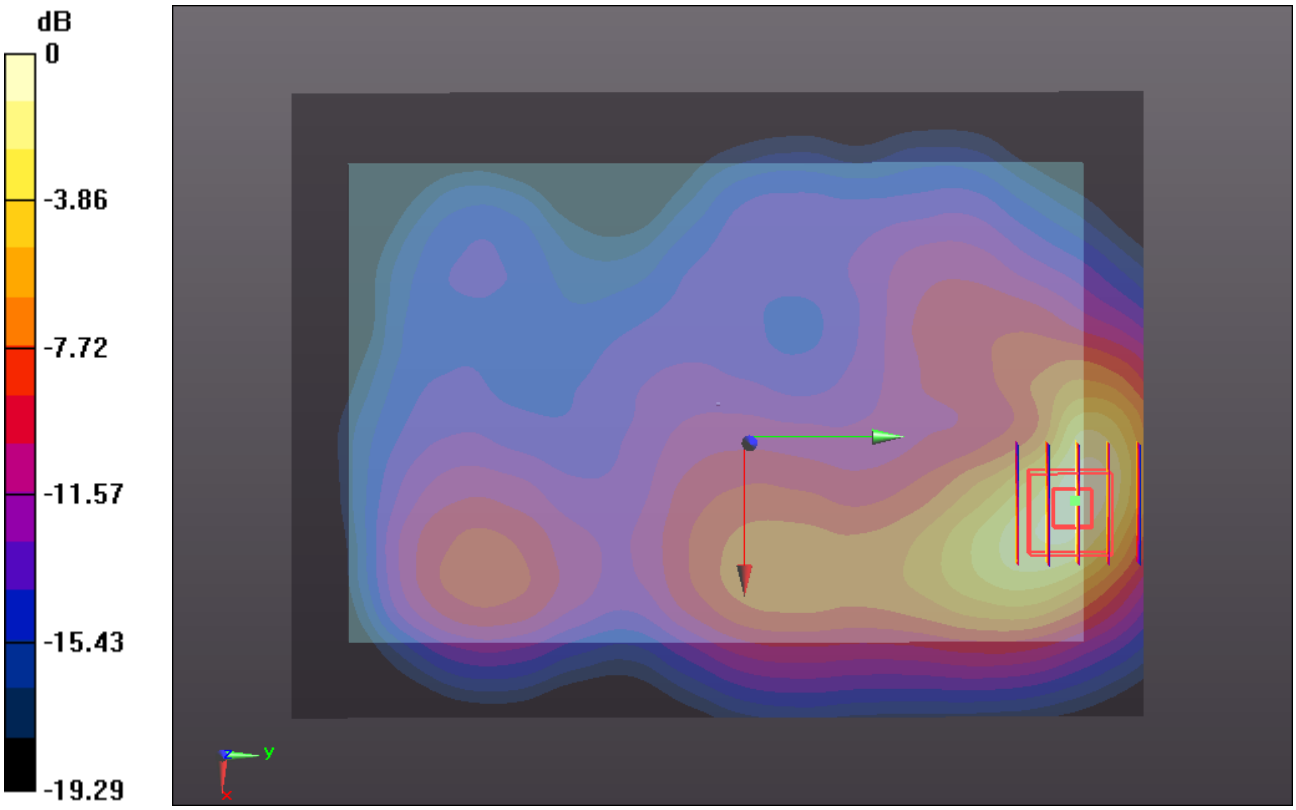
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.963 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.012 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.218 W/kg
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.983 mW/g



0 dB = 0.980mW/g

#32 WCDMA II_RMC12.2K_Edge2 0cm_Ch9538_Sensor On

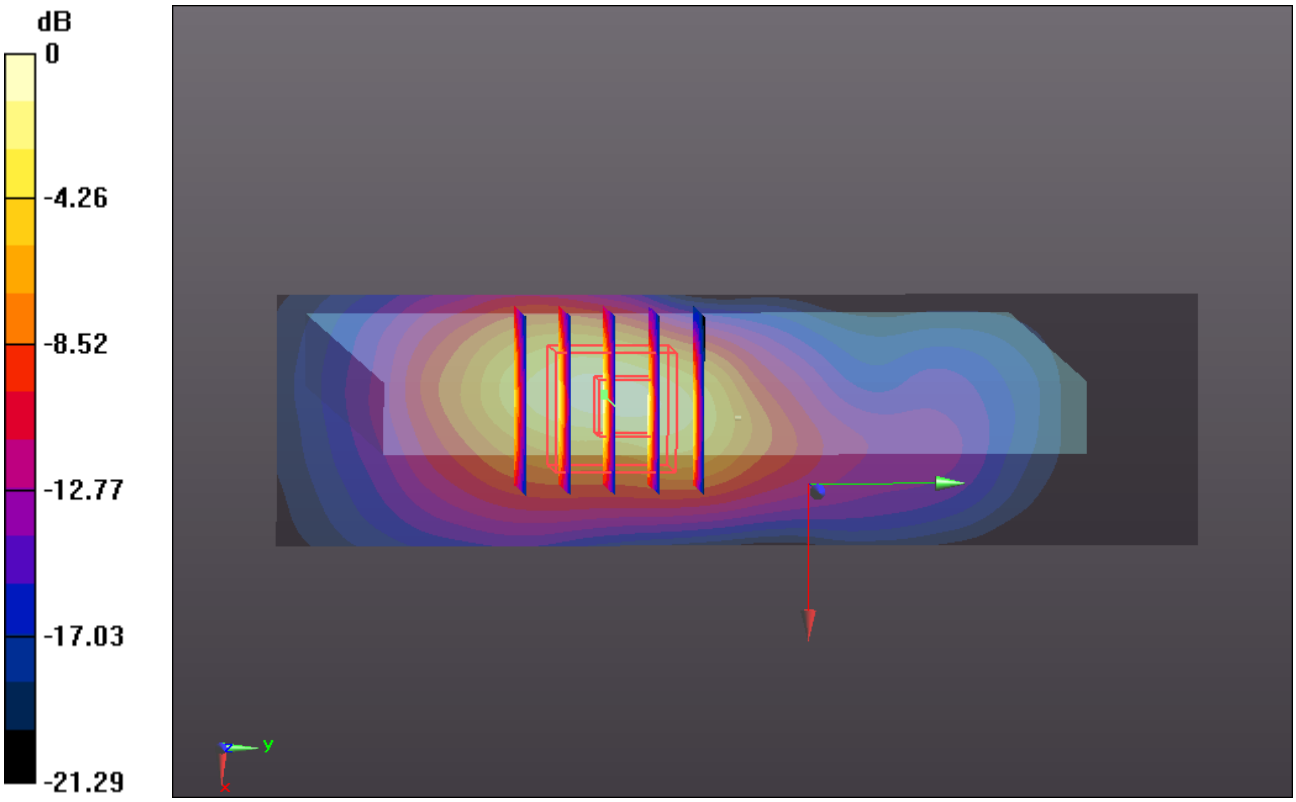
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.415 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.653 V/m; Power Drift = 0.00089 dB
Peak SAR (extrapolated) = 2.241 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 1.602 mW/g



0 dB = 1.600mW/g

#34 WCDMA II_RMC12.2K_Edge3 0cm_Ch9538_Sensor off

DUT: 2D2802

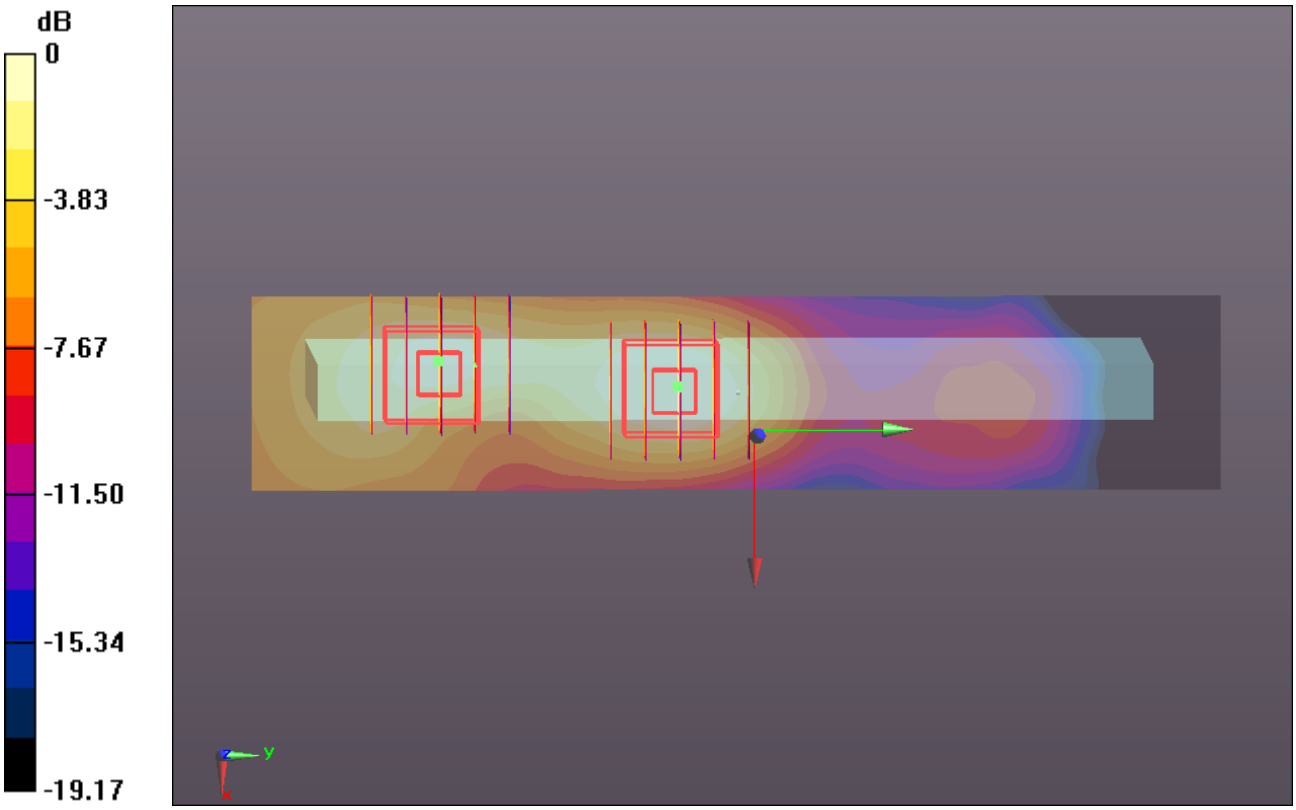
Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.120 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.821 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.160 W/kg
SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.048 mW/g
Maximum value of SAR (measured) = 0.129 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.821 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.124 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.097 mW/g



0 dB = 0.100mW/g

#35 WCDMA II_RMC12.2K_Edge1 0cm_Ch9538_Sensor off

DUT: 2D2802

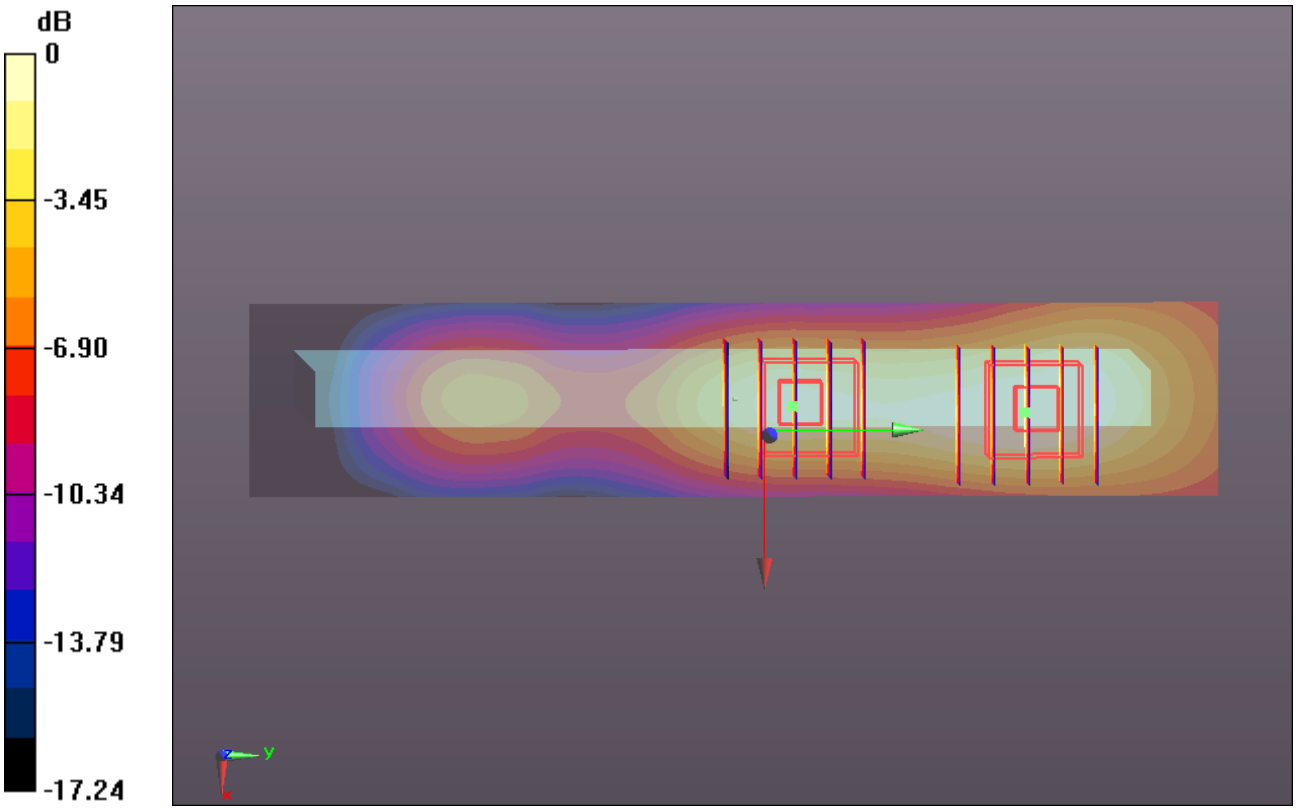
Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (31x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.590 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.224 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.791 W/kg
SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 0.640 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.224 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 0.500 mW/g



0 dB = 0.500mW/g

#36 WCDMA II_RMC12.2K_Bottom Face 0cm_Ch9262_Sensor on

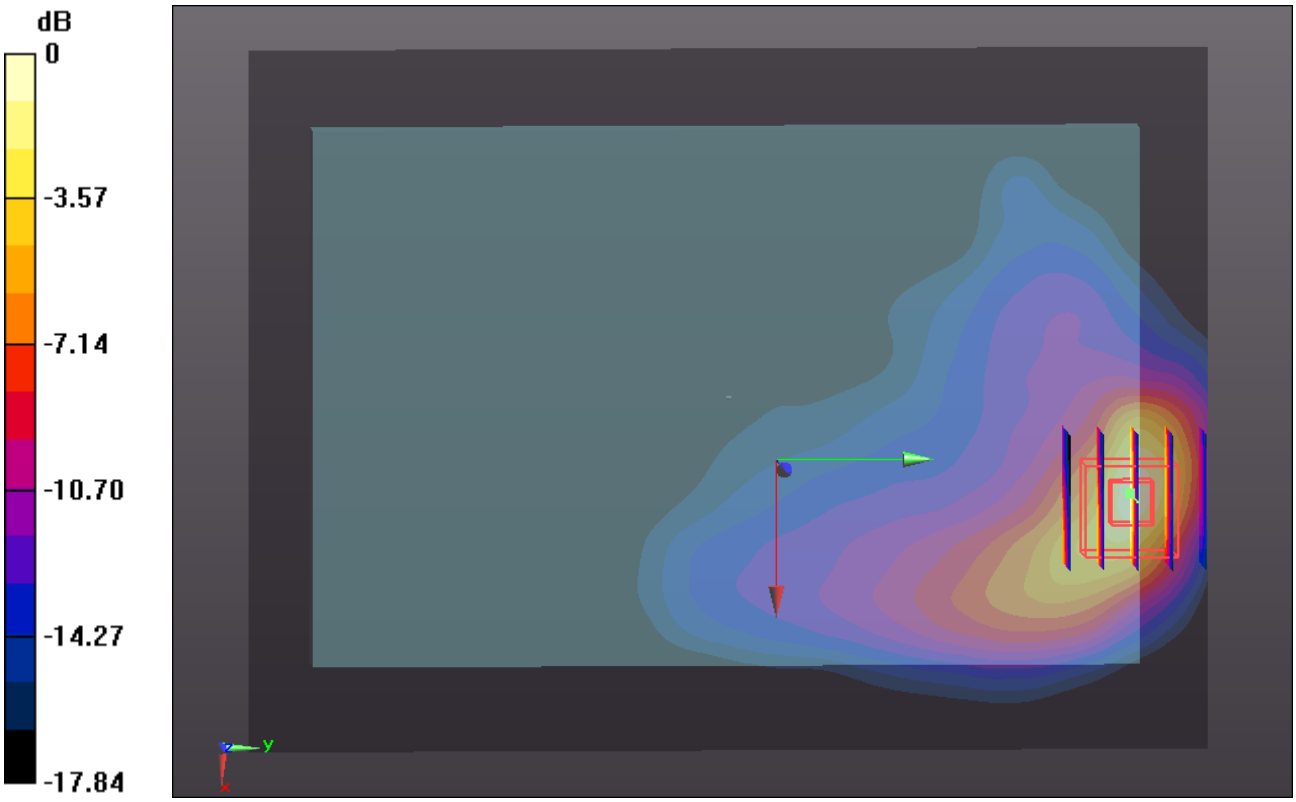
DUT: 2D2802

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 53.417; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.897 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.212 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.231 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.953 mW/g



0 dB = 0.950mW/g

#37 WCDMA II_RMC12.2K_Bottom Face 0cm_Ch9400_Sensor on

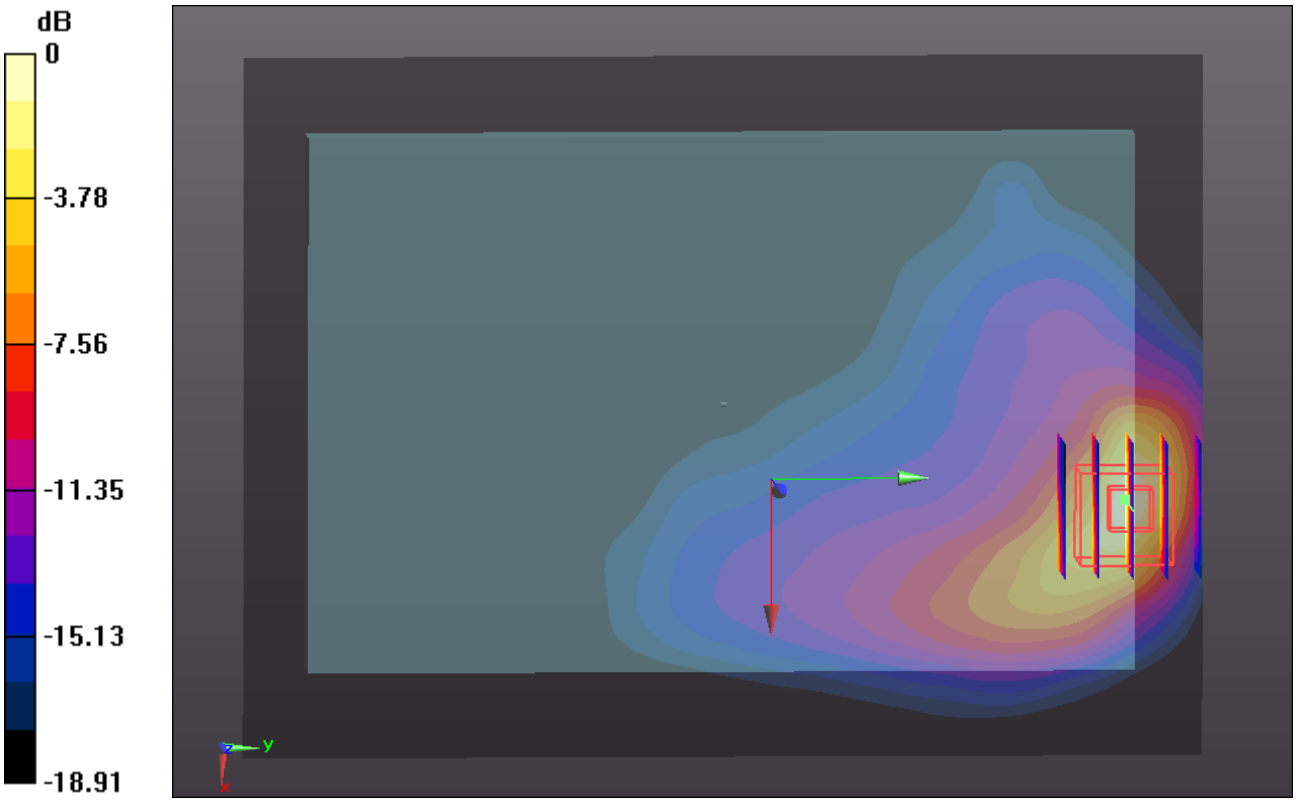
DUT: 2D2802

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.185 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.412 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.626 W/kg
SAR(1 g) = 0.769 mW/g; SAR(10 g) = 0.352 mW/g
Maximum value of SAR (measured) = 1.254 mW/g



0 dB = 1.250mW/g

#38 WCDMA II_RMC12.2K_Edge2 0cm_Ch9262_Sensor On

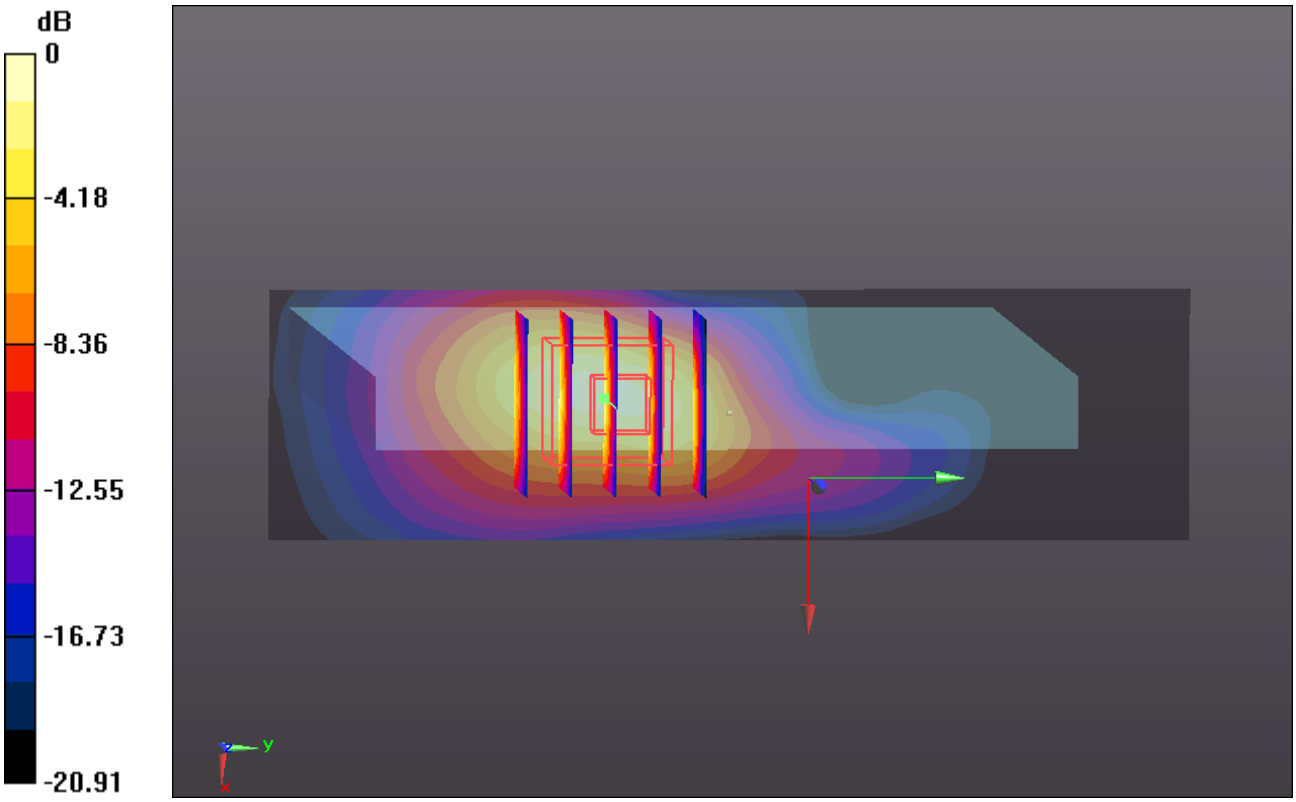
DUT: 2D2802

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 53.417; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.969 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.949 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.511 W/kg
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 1.133 mW/g



0 dB = 1.130mW/g

#39 WCDMA II_RMC12.2K_Edge2 0cm_Ch9400_Sensor On

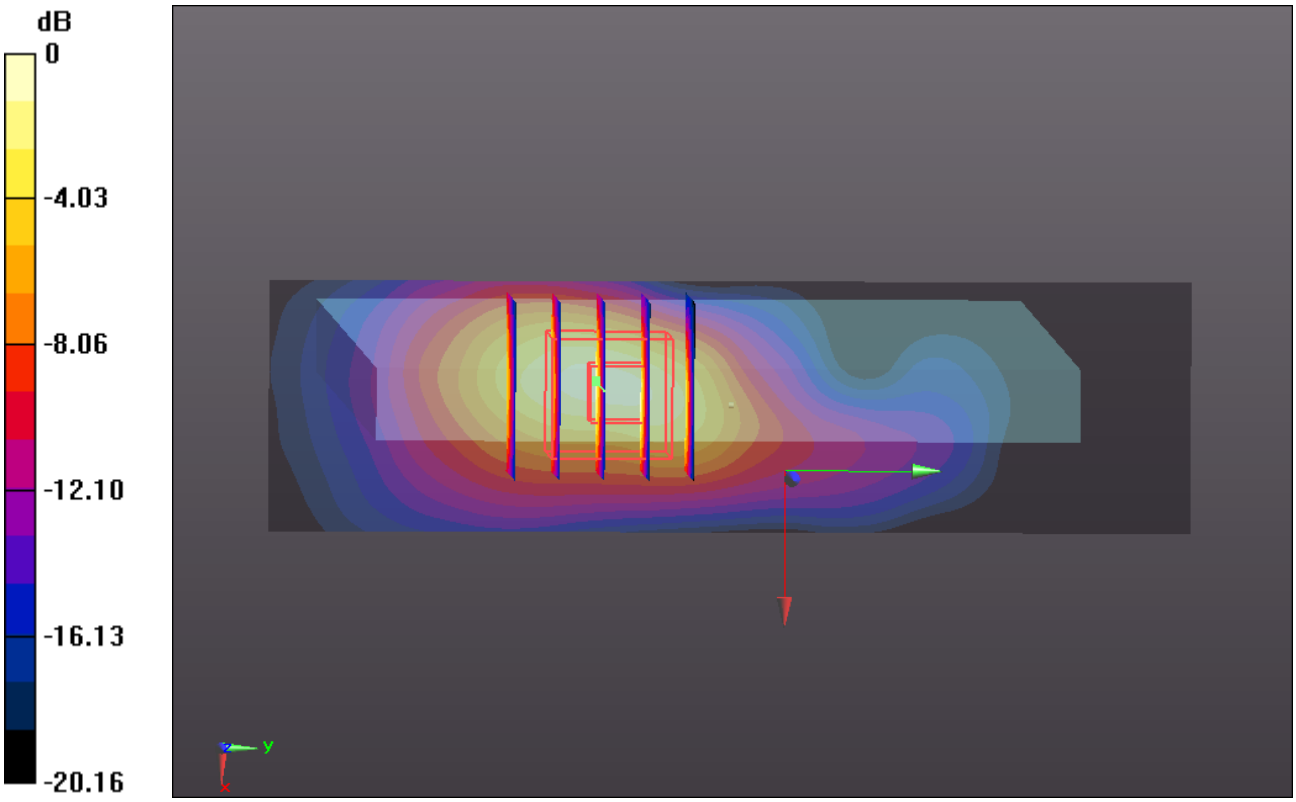
DUT: 2D2802

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.164 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.253 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.899 W/kg
SAR(1 g) = 0.896 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 1.347 mW/g



0 dB = 1.350mW/g

#40 WCDMA II_RMC12.2K_Bottom Face_Curved surface of Edge2_Ch9538_Sensor on

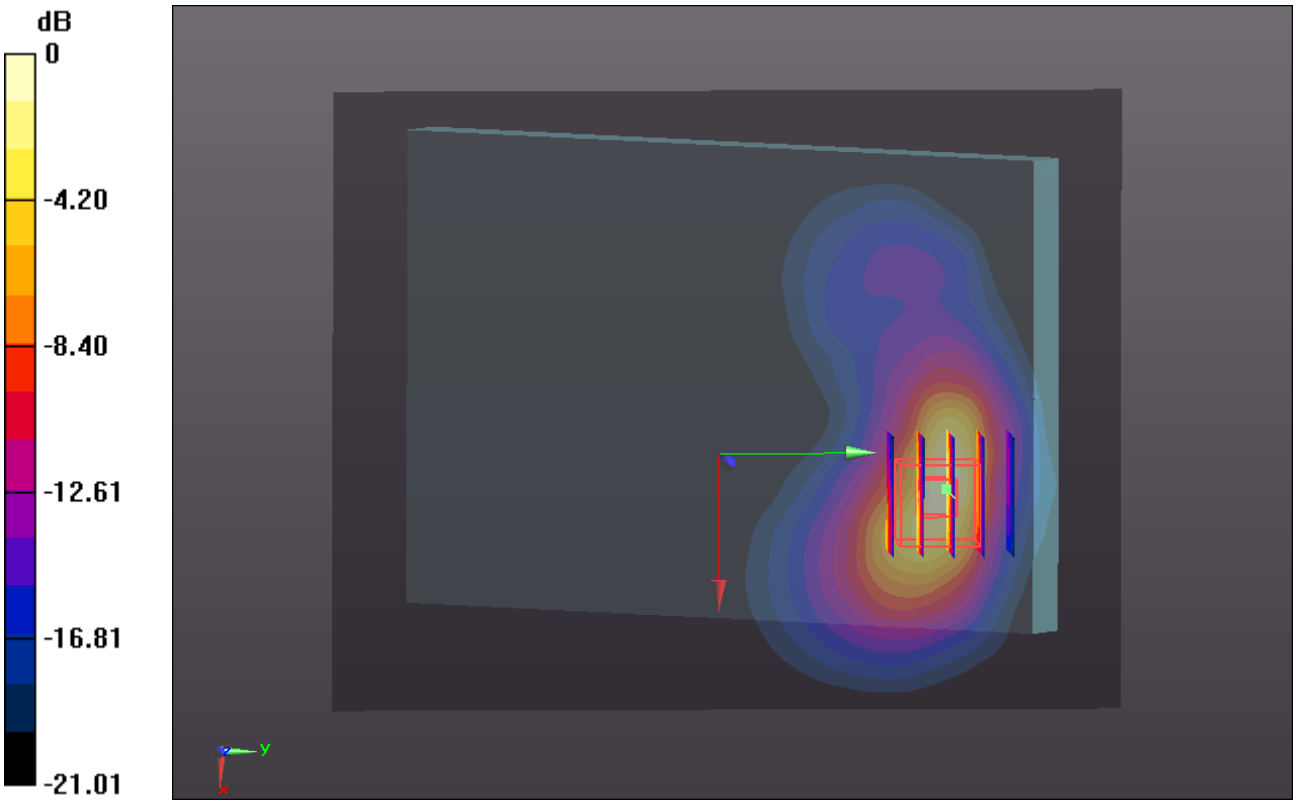
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.623 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.100 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.514 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.514 mW/g
Maximum value of SAR (measured) = 1.729 mW/g



0 dB = 1.730mW/g

#41 WCDMA II_RMC12.2K_Bottom Face_Curved surface of Edge2_Ch9538_Sensor on_Repeat SAR

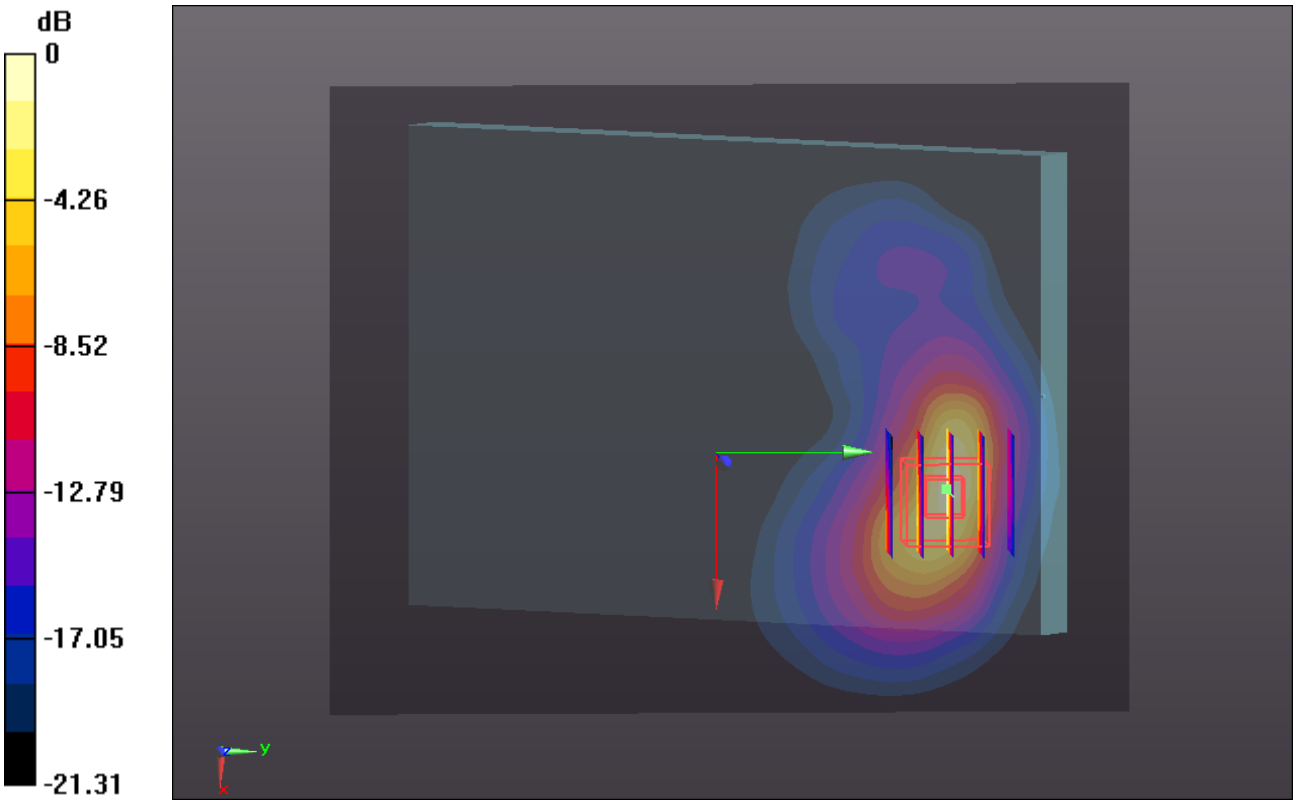
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.575 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.101 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 2.407 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.502 mW/g
Maximum value of SAR (measured) = 1.884 mW/g



0 dB = 1.880mW/g

#42 WCDMA II_RMC12.2K_Bottom Face_Curved surface of Edge2_Ch9262_Sensor on

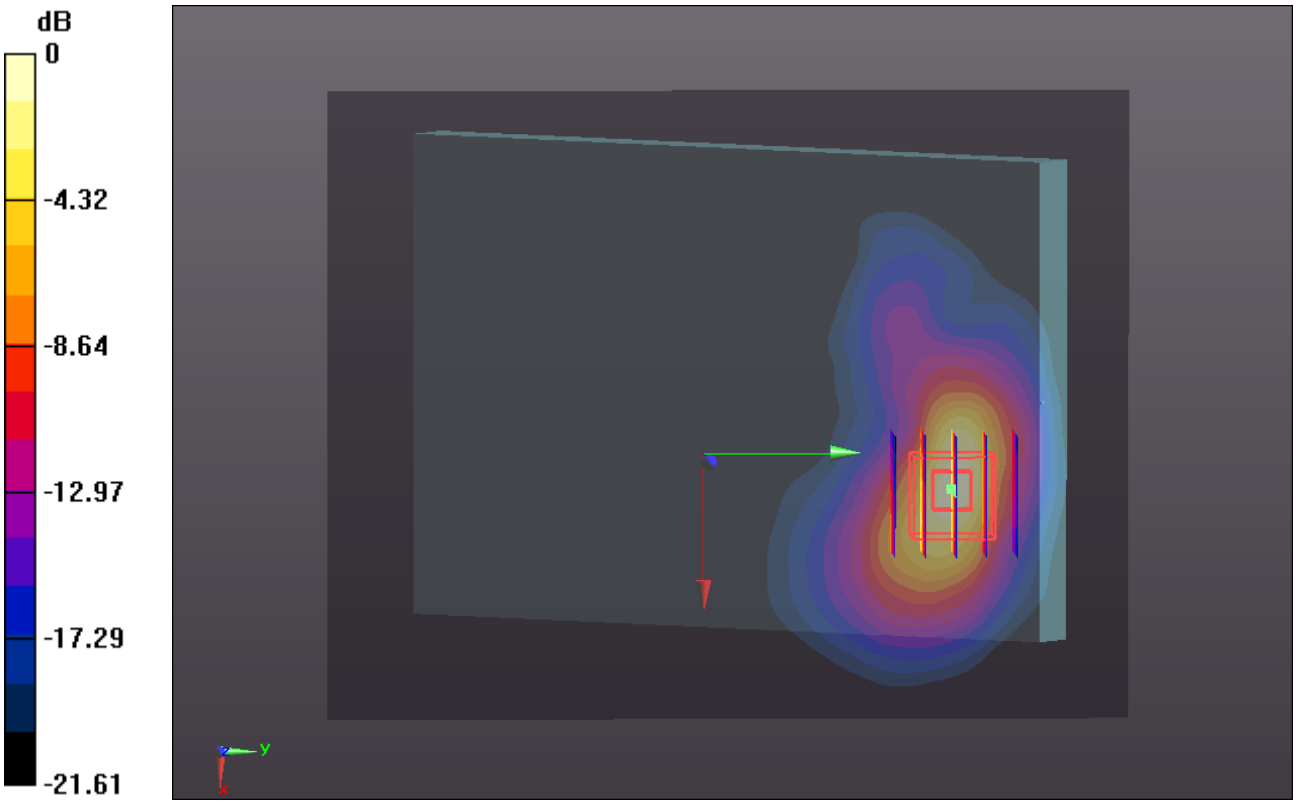
DUT: 2D2802

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 53.417; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.104 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.418 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.518 W/kg
SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 1.182 mW/g



0 dB = 1.180mW/g

#43 WCDMA II_RMC12.2K_Bottom Face_Curved surface of Edge2_Ch9400_Sensor on

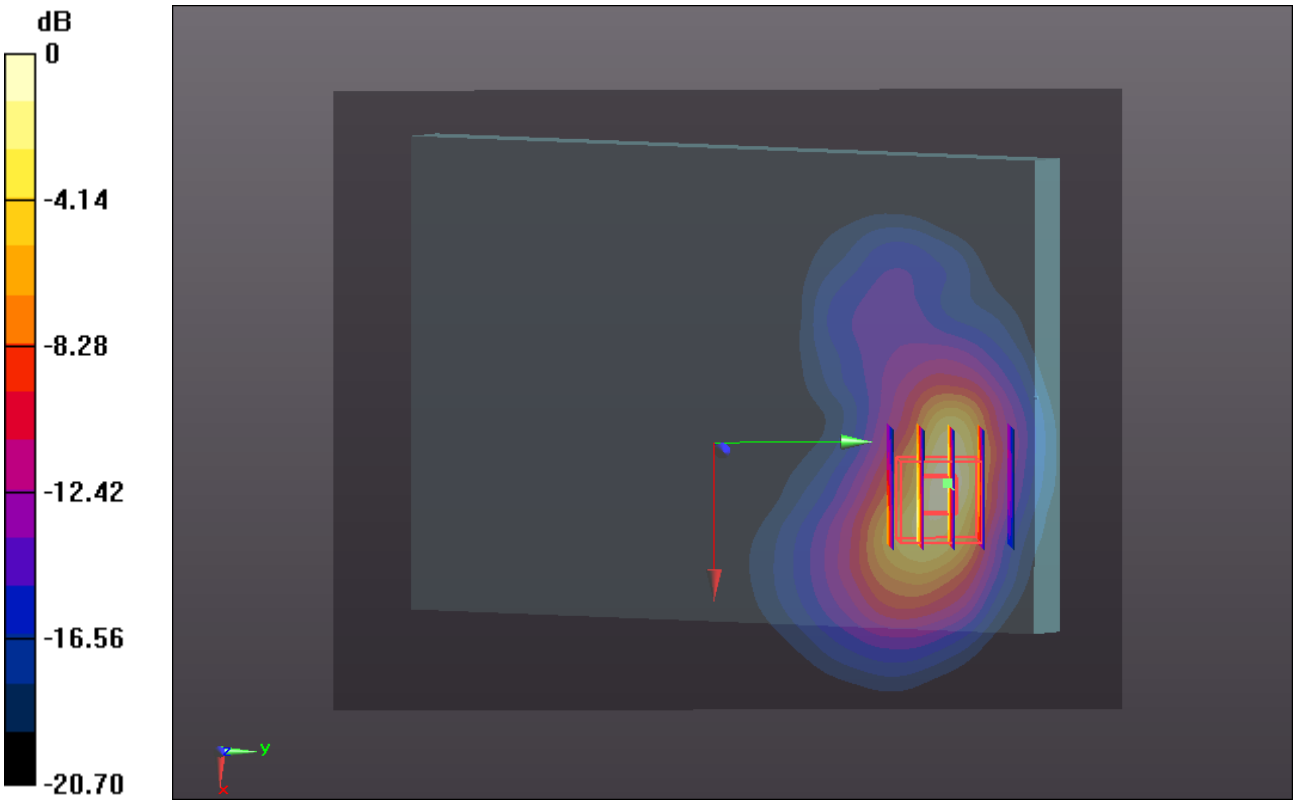
DUT: 2D2802

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (111x141x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.306 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.711 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.954 W/kg
SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 1.386 mW/g



0 dB = 1.390mW/g

#49 WCDMA II_HSDPA Subtest-1_Bottom Face_Curved surface of Edge2_Ch9400_Sensor on

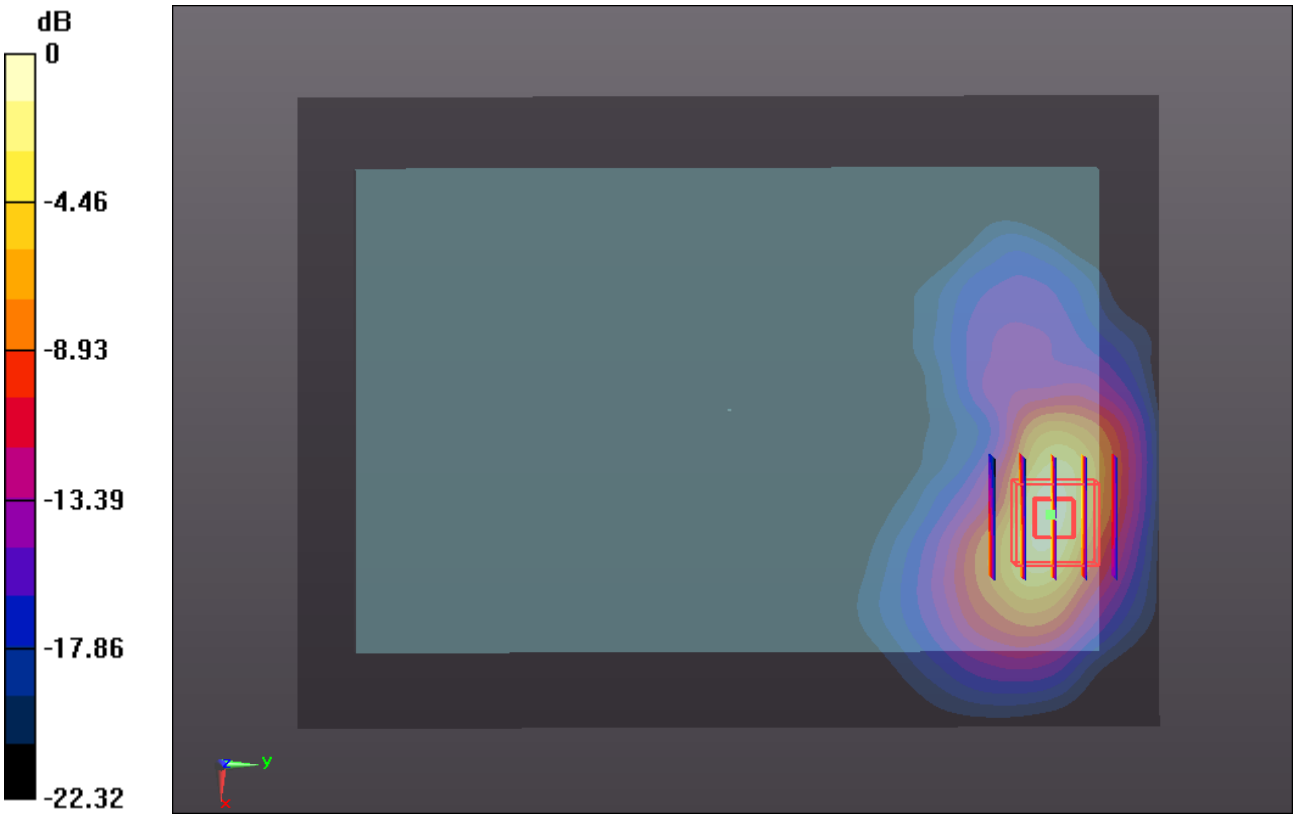
DUT: 2D2802

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.328 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.280 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.918 W/kg
SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 1.467 mW/g



0 dB = 1.470mW/g

#50 WCDMA II_HSDPA Subtest-1_Bottom Face_Curved surface of Edge2_Ch9262_Sensor on

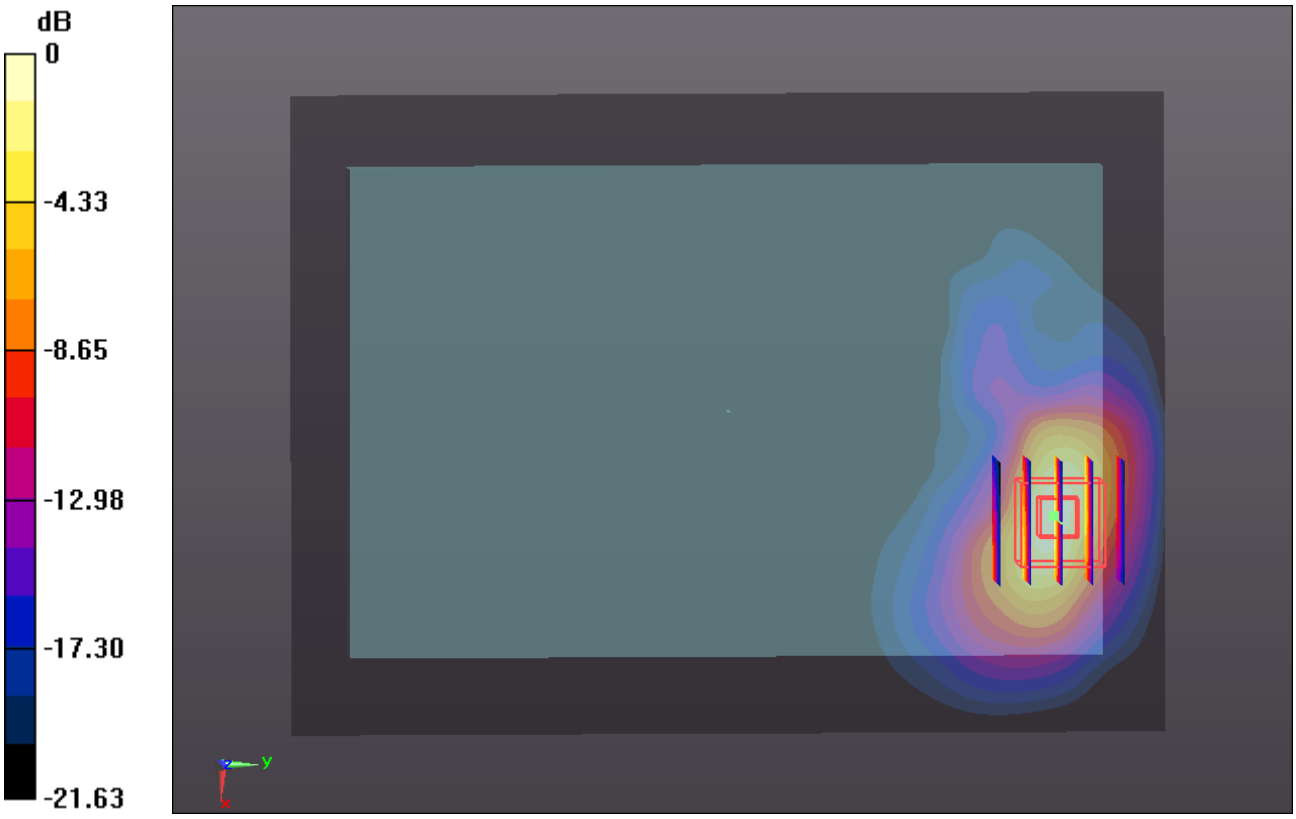
DUT: 2D2802

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 53.417; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.059 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.651 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.494 W/kg
SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.312 mW/g
Maximum value of SAR (measured) = 1.146 mW/g



0 dB = 1.150mW/g

#51 WCDMA II_HSDPA Subtest-1_Bottom Face_Curved surface of Edge2_Ch9538_Sensor on

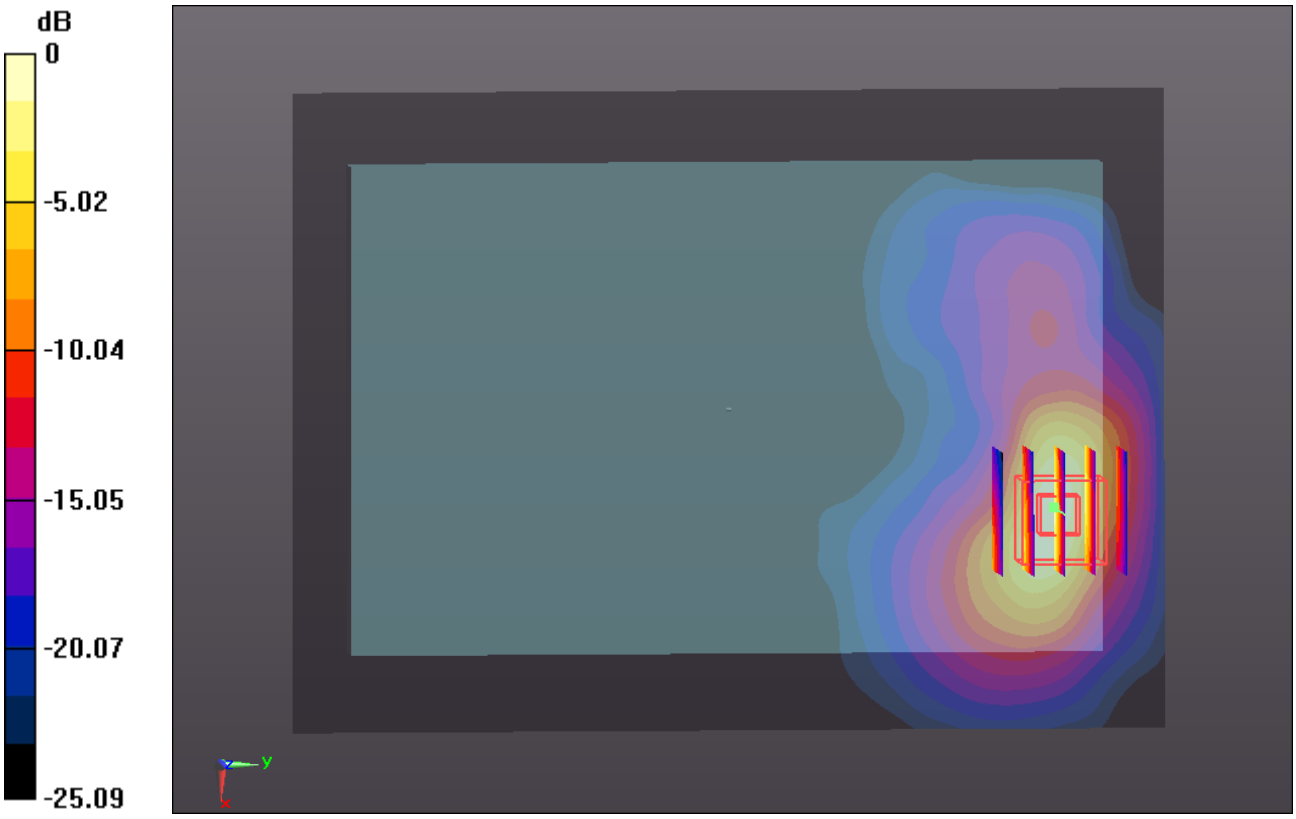
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.667 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.170 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.343 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.458 mW/g
Maximum value of SAR (measured) = 1.748 mW/g



0 dB = 1.750mW/g

#52 WCDMA II_HSUPA Subtest-5_Bottom Face_Curved surface of Edge2_Ch9400_Sensor on

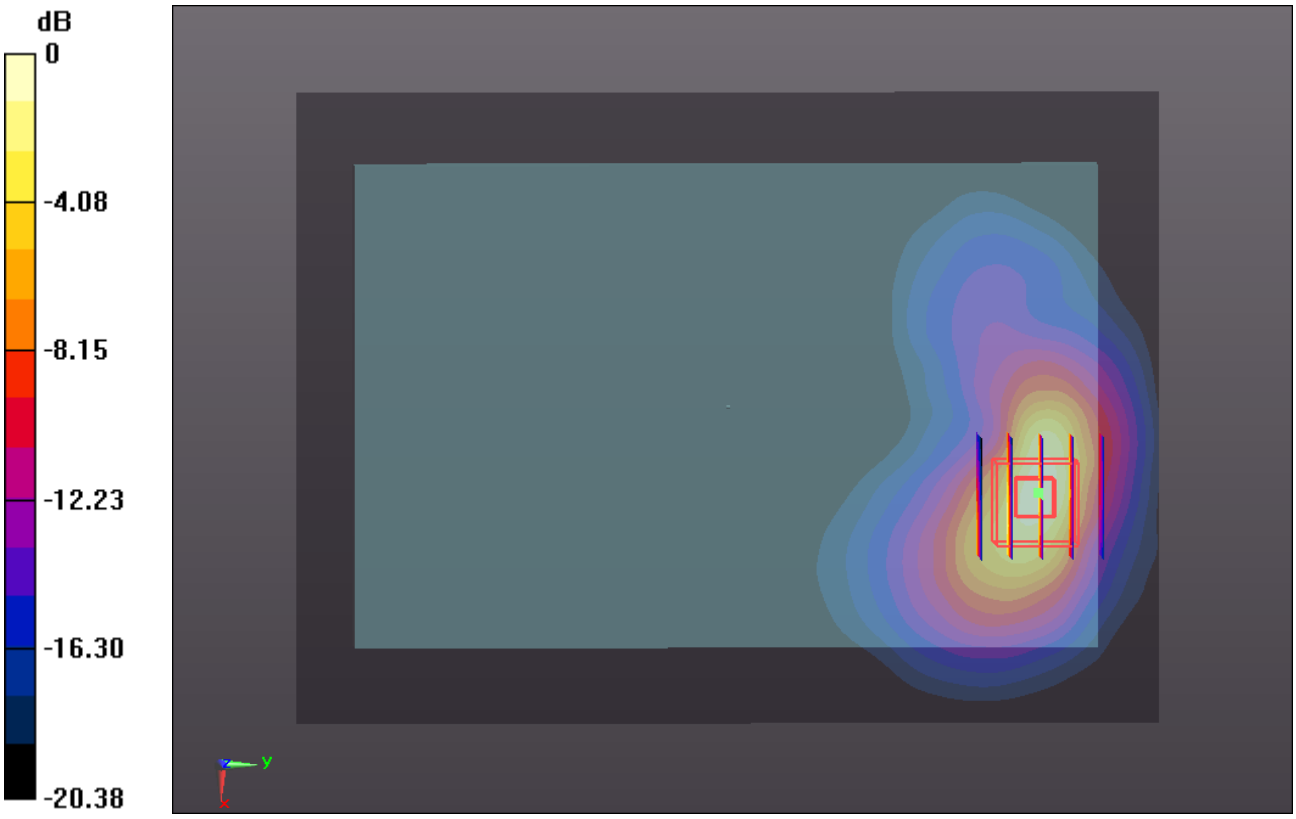
DUT: 2D2802

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1880 MHz; σ = 1.528 mho/m; ε_r = 53.361; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.058 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.321 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.405 W/kg
SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.315 mW/g
Maximum value of SAR (measured) = 1.086 mW/g



0 dB = 1.090mW/g

#53 WCDMA II_HSUPA Subtest-5_Bottom Face_Curved surface of Edge2_Ch9262_Sensor on

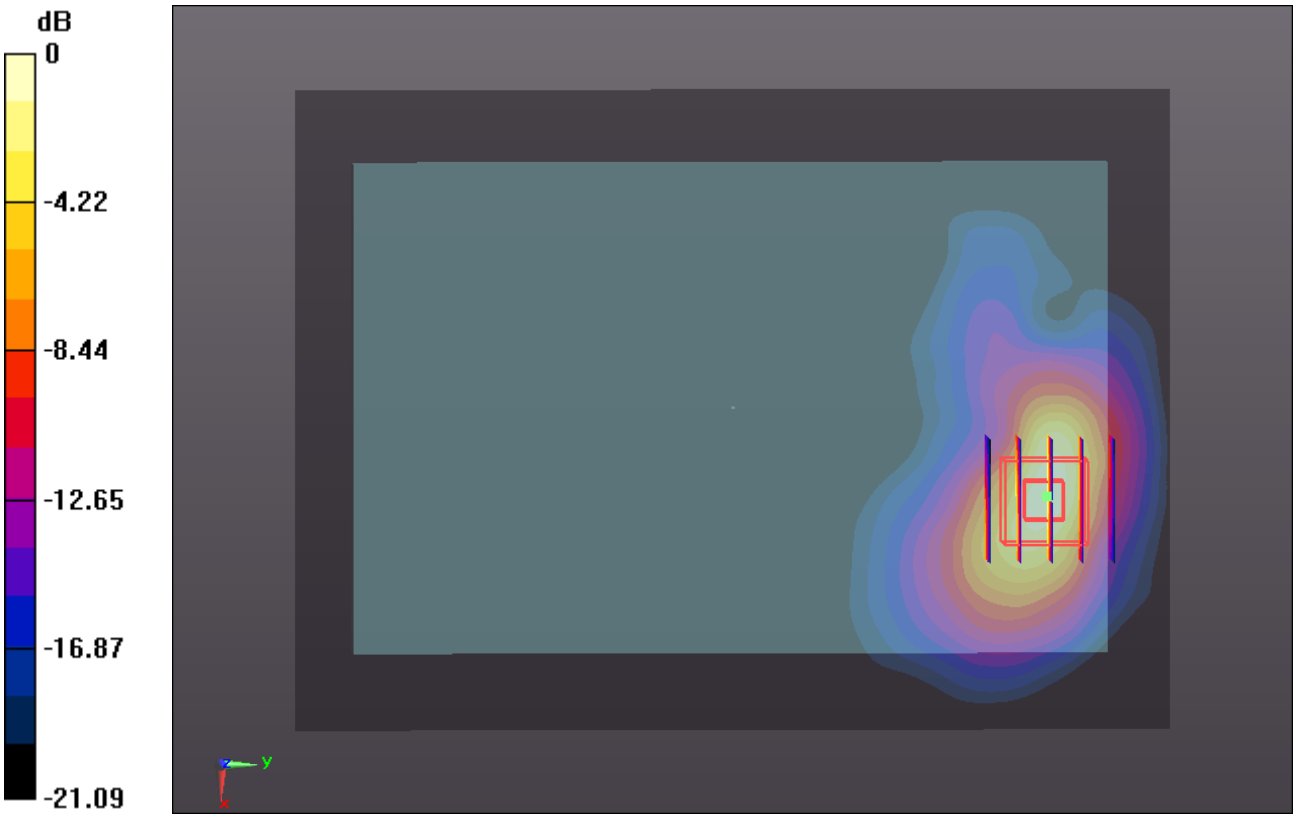
DUT: 2D2802

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1852.4 MHz; σ = 1.494 mho/m; ε_r = 53.417; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.884 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.533 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.194 W/kg
SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.273 mW/g
Maximum value of SAR (measured) = 0.921 mW/g



0 dB = 0.920mW/g

#54 WCDMA II_HSUPA Subtest-5_Bottom Face_Curved surface of Edge2_Ch9538_Sensor on

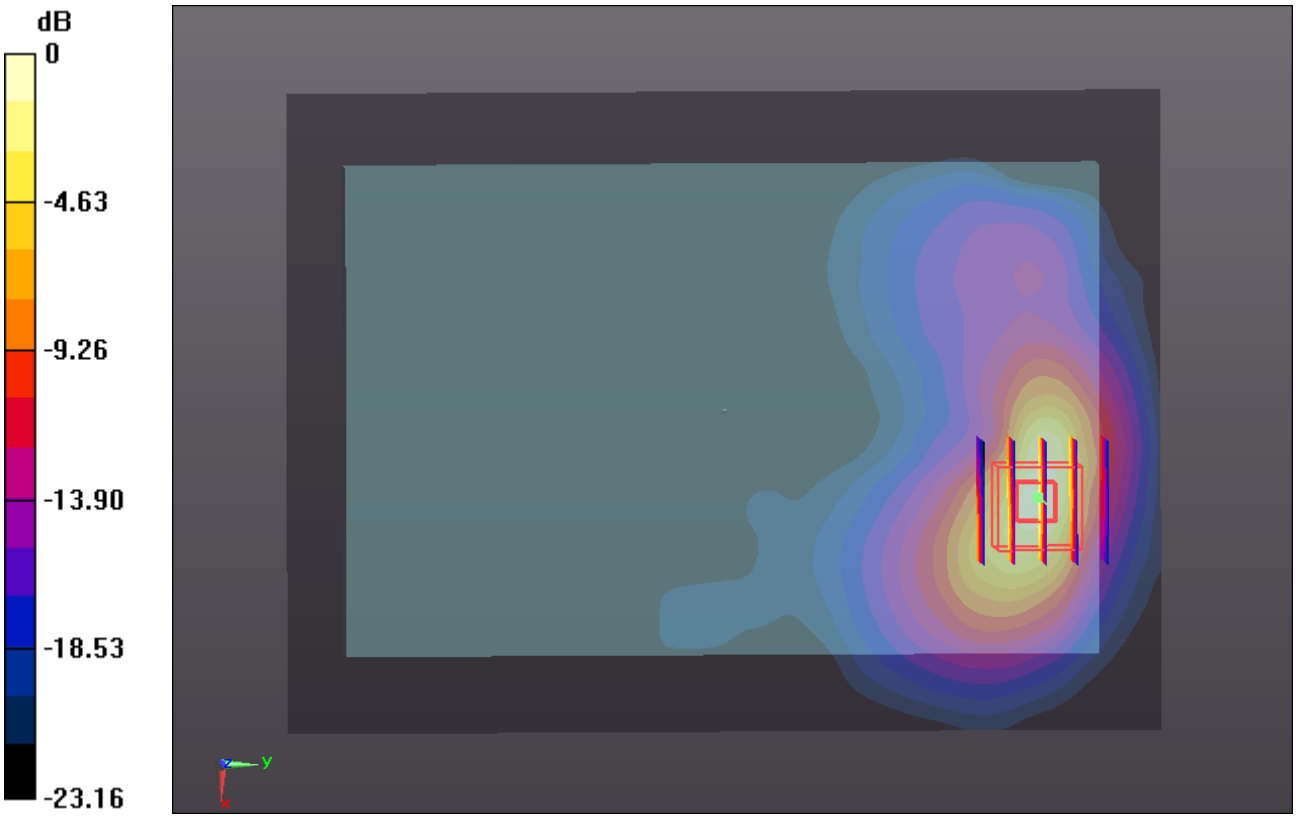
DUT: 2D2802

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_130112 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 53.286; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.1 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (111x151x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.331 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.649 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.819 W/kg
SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.392 mW/g
Maximum value of SAR (measured) = 1.397 mW/g



0 dB = 1.400mW/g

#44 802.11b_Bottom Face 0cm_Ch11

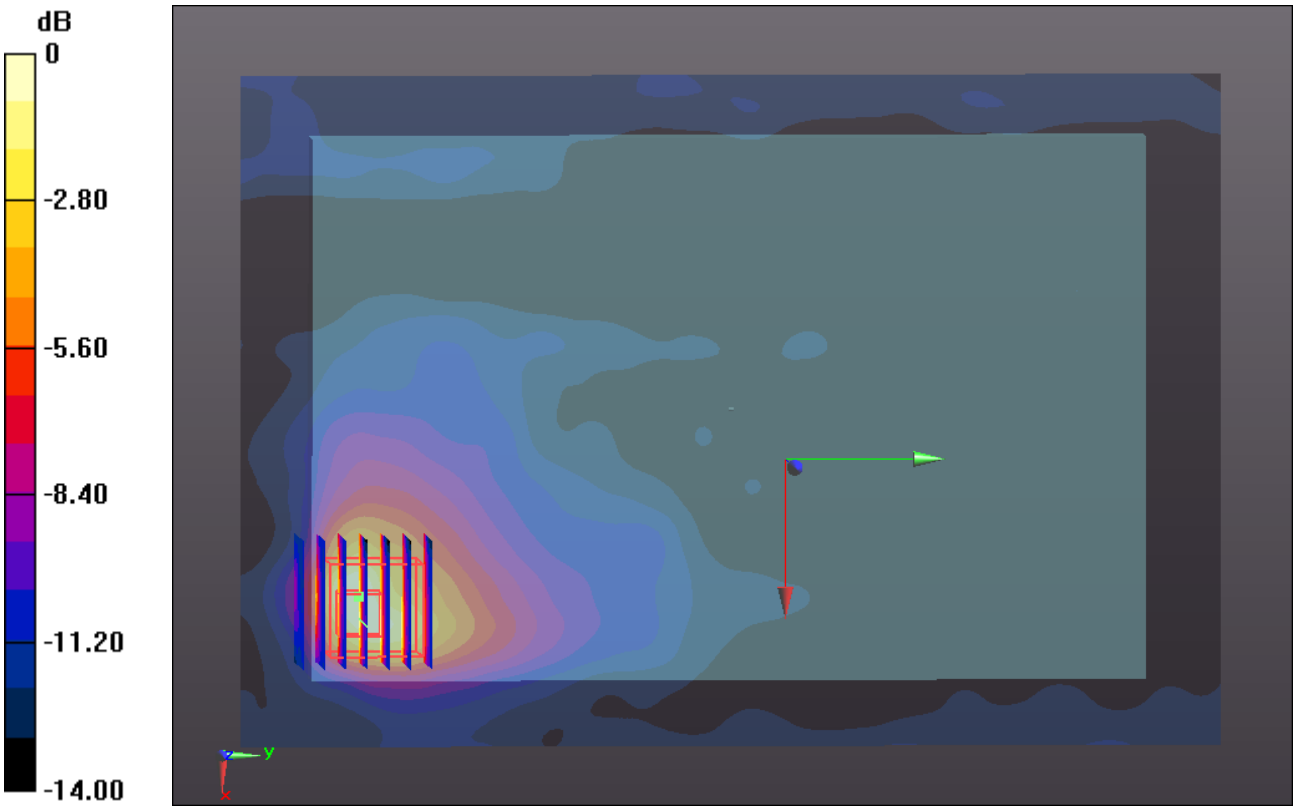
DUT: 2D2802

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130114 Medium parameters used: f = 2462 MHz; σ = 2.015 mho/m; ε_r = 54.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (131x191x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.460 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.115 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.652 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.412 mW/g



0 dB = 0.410mW/g

#44 802.11b_Bottom Face 0cm_Ch11_2D

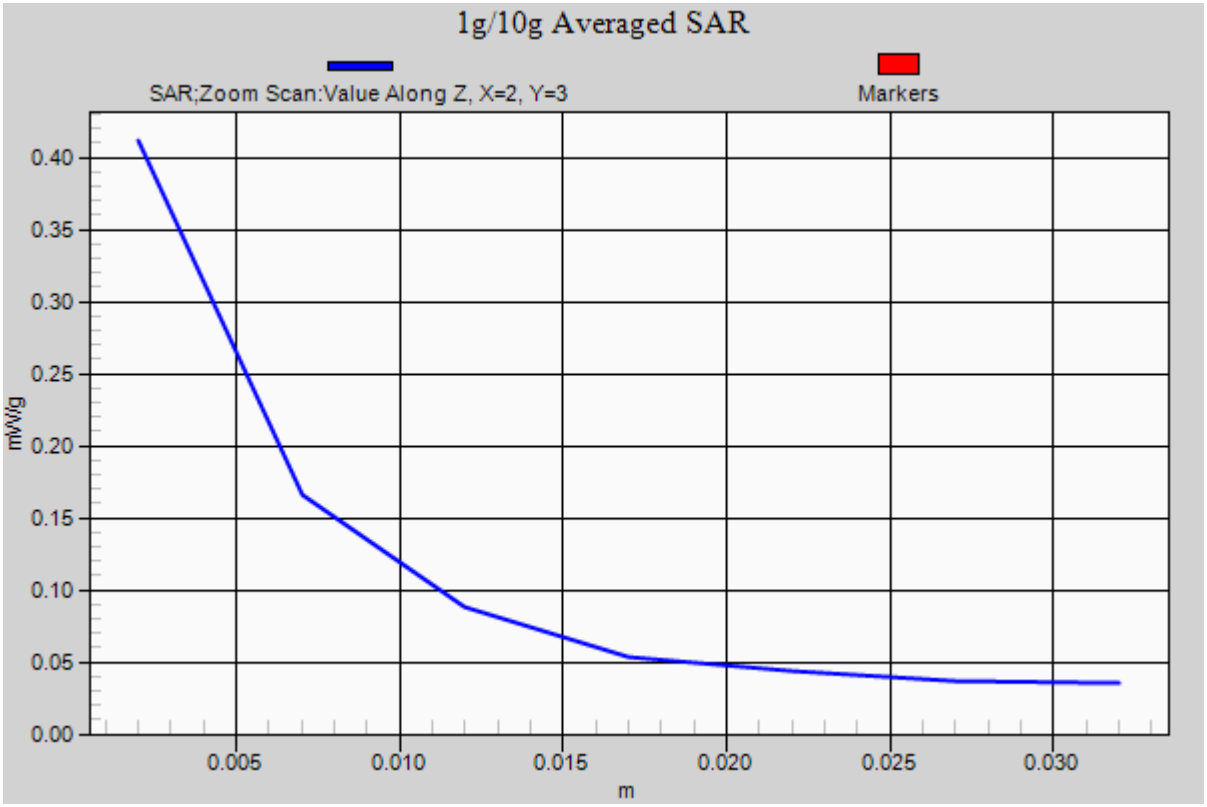
DUT: 2D2802

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130114 Medium parameters used: f = 2462 MHz; σ = 2.015 mho/m; ε_r = 54.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (131x191x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.460 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.115 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.652 W/kg
SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.121 mW/g
Maximum value of SAR (measured) = 0.412 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=3
Markers
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

#45 802.11b_Edge4 0cm_Ch11

DUT: 2D2802

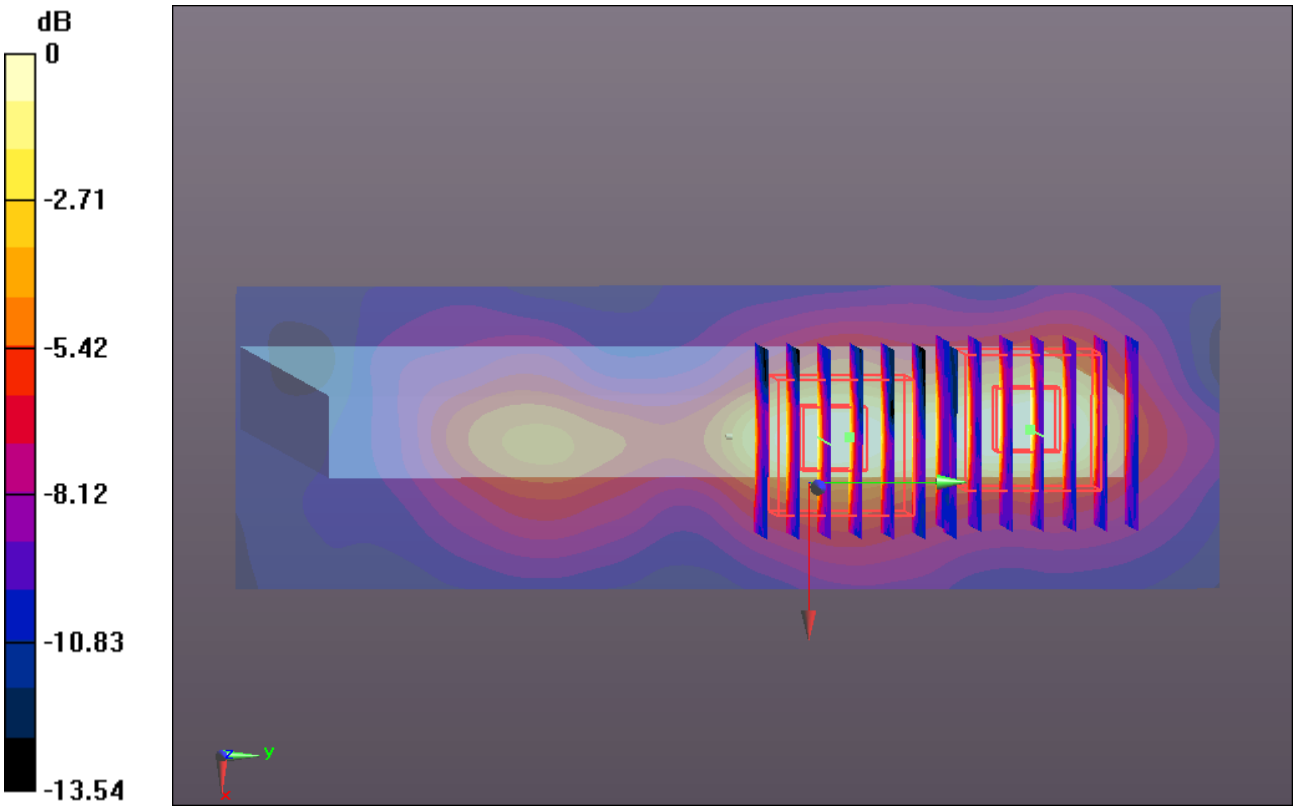
Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130114 Medium parameters used: f = 2462 MHz; σ = 2.015 mho/m; ε_r = 54.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x131x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.145 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.679 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.150 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.679 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.040 mW/g
Maximum value of SAR (measured) = 0.128 mW/g



0 dB = 0.130mW/g

#46 802.11b_Edge1 0cm_Ch11

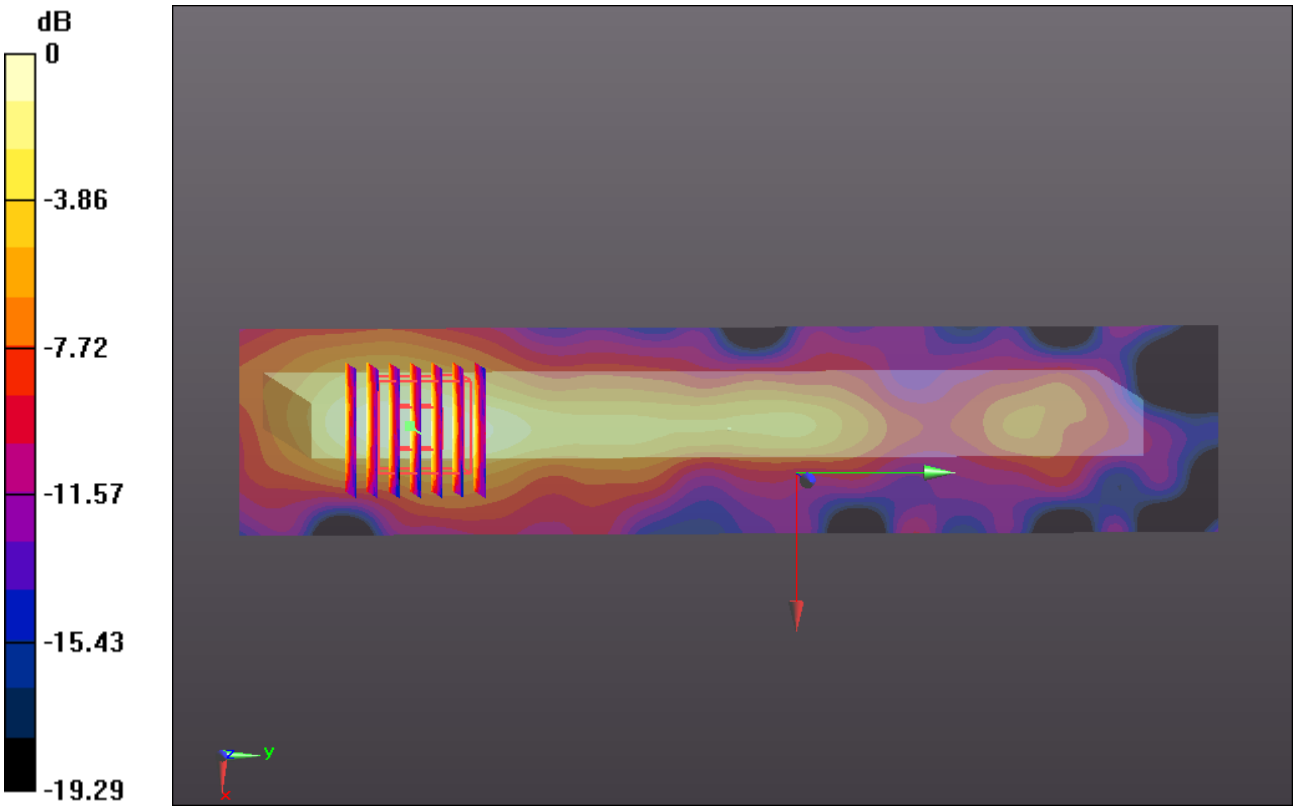
DUT: 2D2802

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130114 Medium parameters used: f = 2462 MHz; σ = 2.015 mho/m; ε_r = 54.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x191x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.083 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.377 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.109 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.079 mW/g



0 dB = 0.080mW/g

#47 802.11b_Bottom Face_Edge2 tilted 35 degree_Ch11

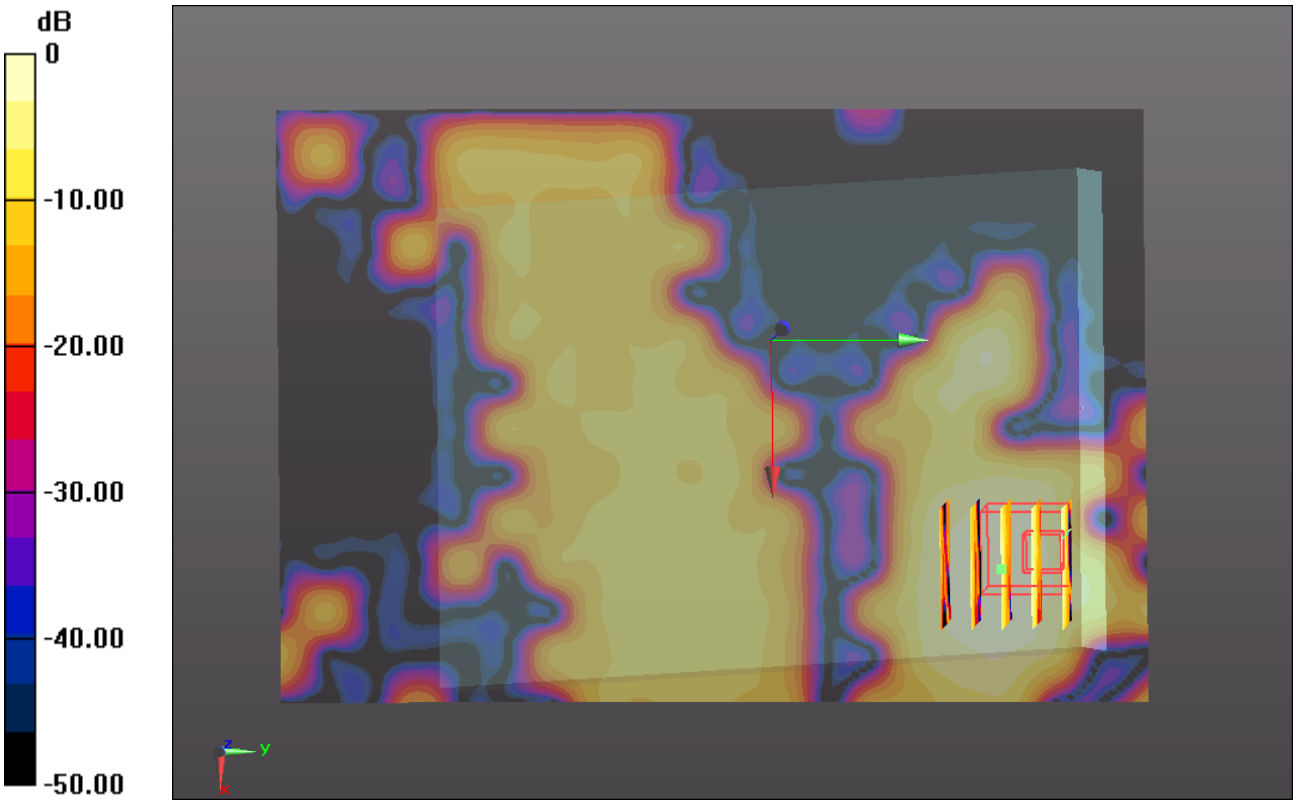
DUT: 2D2802

Communication System: WIFI; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_130114 Medium parameters used: f = 2462 MHz; σ = 2.015 mho/m; ε_r = 54.25; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (131x191x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.083 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.102 W/kg
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.071 mW/g



0 dB = 0.070mW/g

Appendix C. DASY Calibration Certificate

The DASY calibration certificates are shown as follows.