Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01 WCDMA V_RMC 12.2K_Horizontal Up_0.5cm_Ch4233

DUT: 1D3102

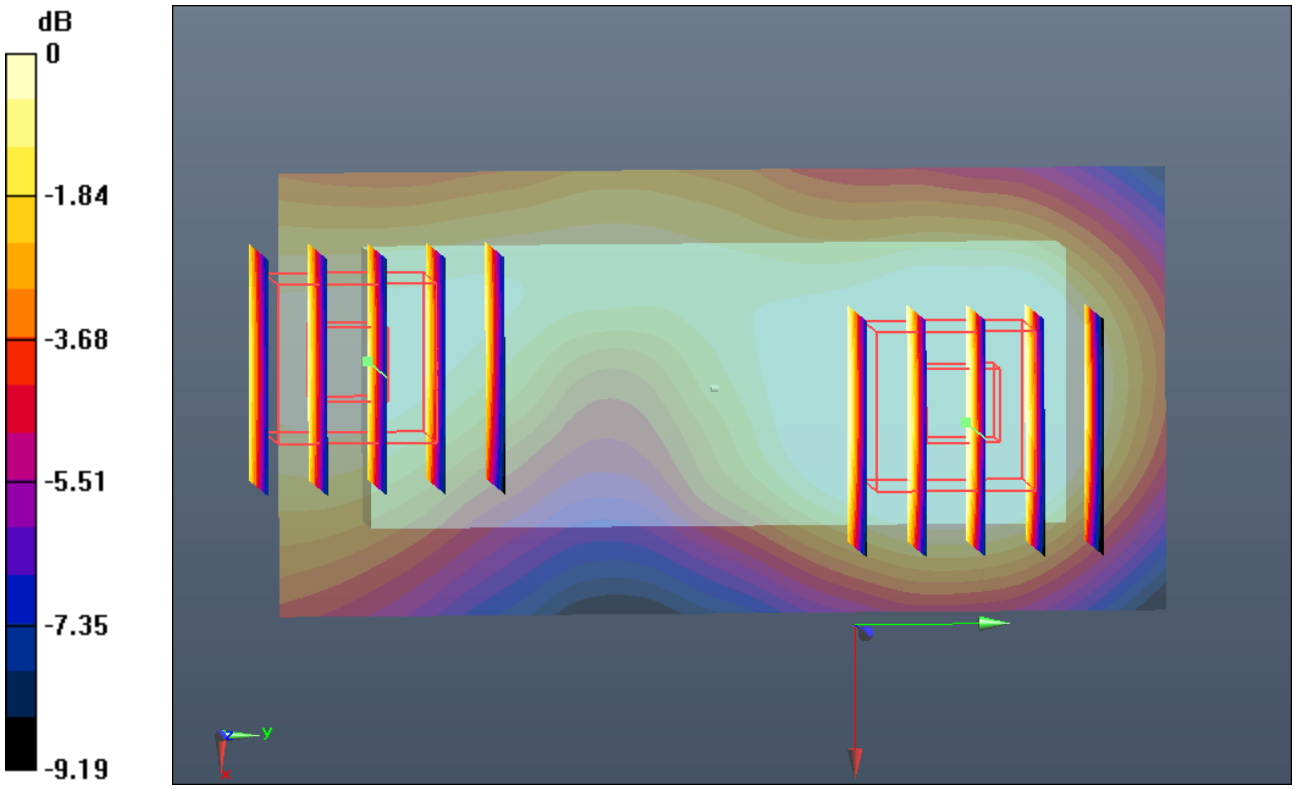
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.388 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.432 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 0.379 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.432 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.249 mW/g



0 dB = 0.250mW/g

#02 WCDMA V_RMC 12.2K_Horizontal Down_0.5cm_Ch4233

DUT: 1D3102

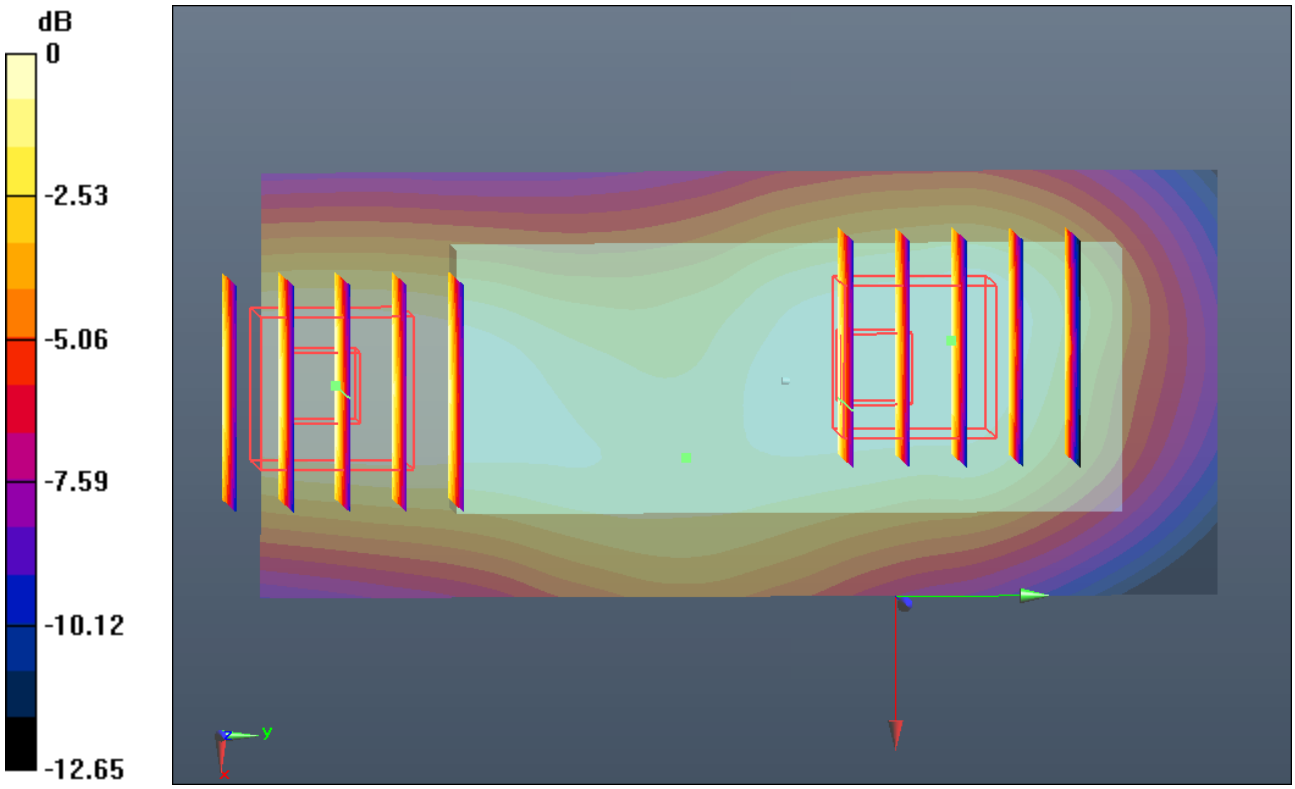
Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.496 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.656 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.738 W/kg
SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.287 mW/g
Maximum value of SAR (measured) = 0.500 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.656 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.533 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.403 mW/g



0 dB = 0.400mW/g

#03 WCDMA V_RMC 12.2K_Vertical Front_0.5cm_Ch4233

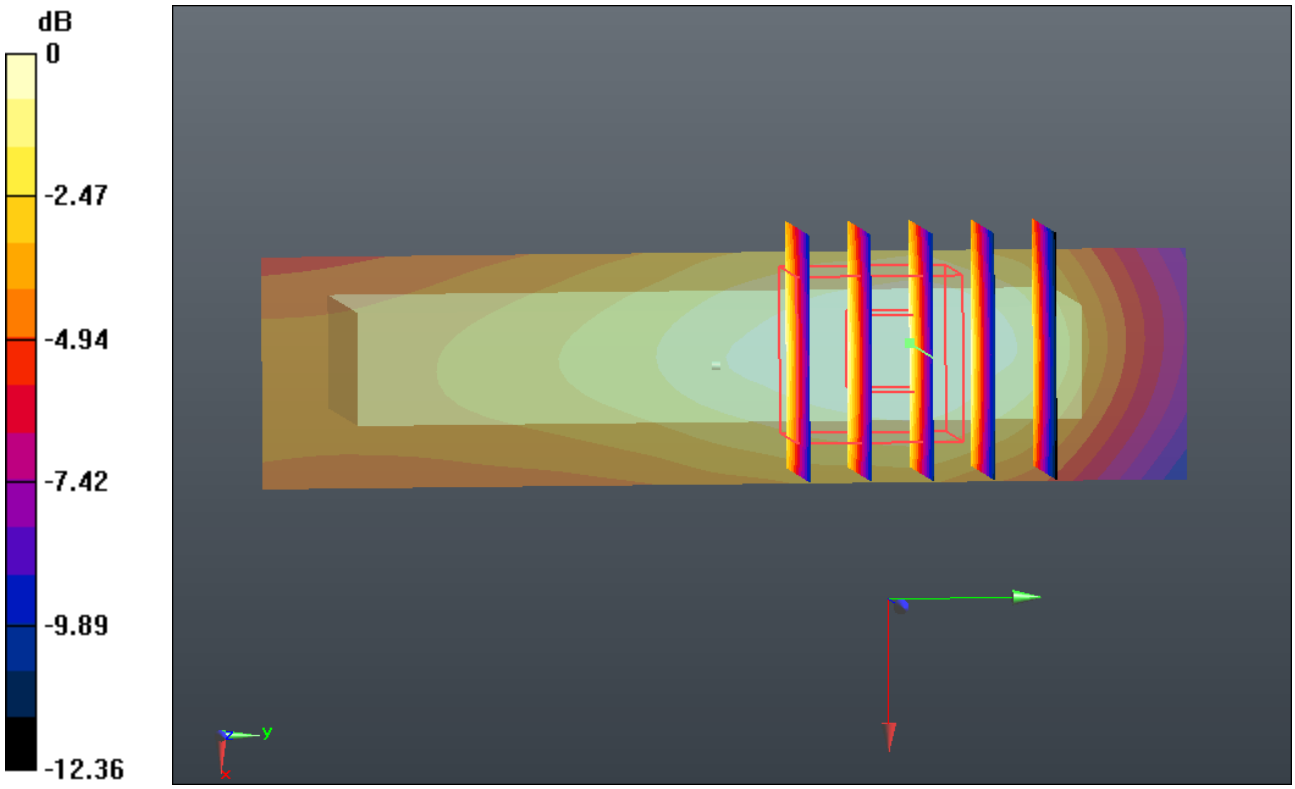
DUT: 1D3102

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.062 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.424 W/kg
SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.180 mW/g
Maximum value of SAR (measured) = 0.301 mW/g



0 dB = 0.300mW/g

#04 WCDMA V_RMC 12.2K_Vertical Back_0.5cm_Ch4233

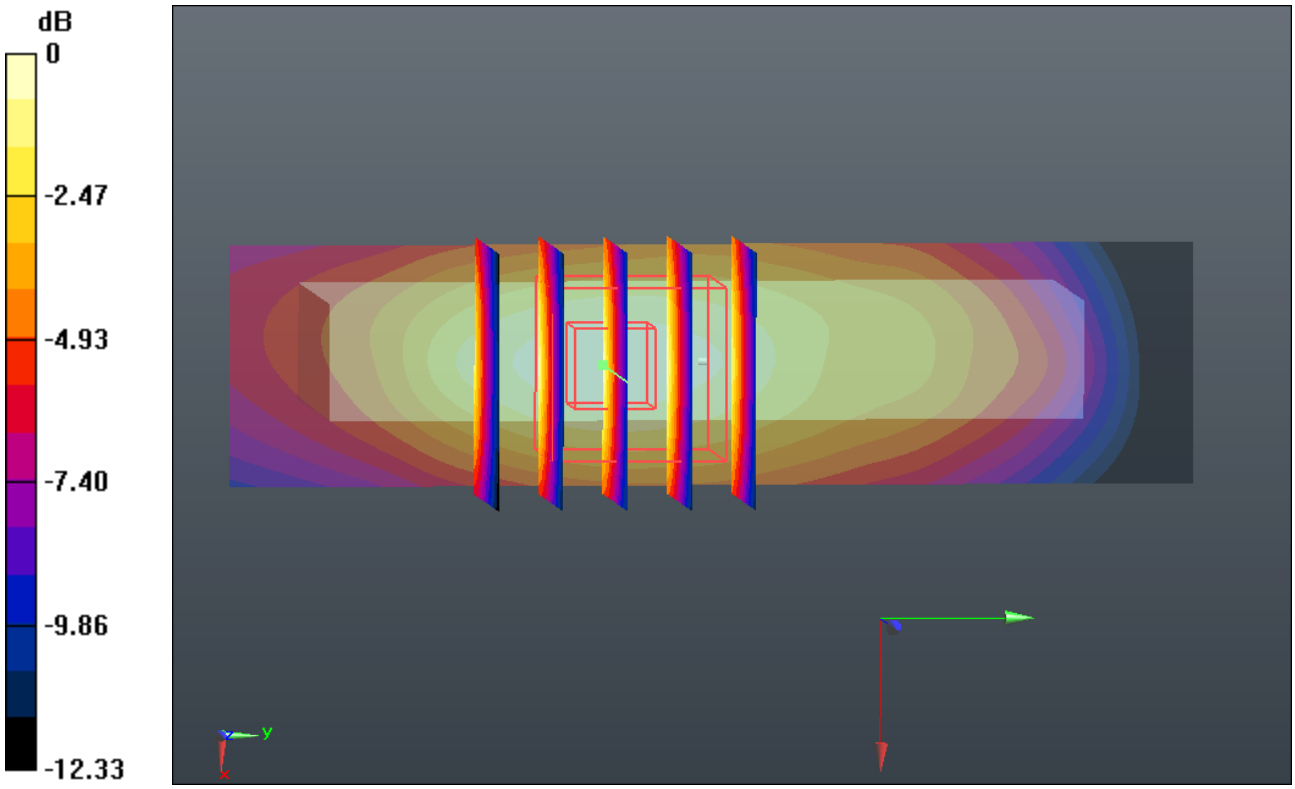
DUT: 1D3102

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.626 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.495 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.933 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.335 mW/g
Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.630mW/g

#04 WCDMA V_RMC 12.2K_Vertical Back_0.5cm_Ch4233_2D

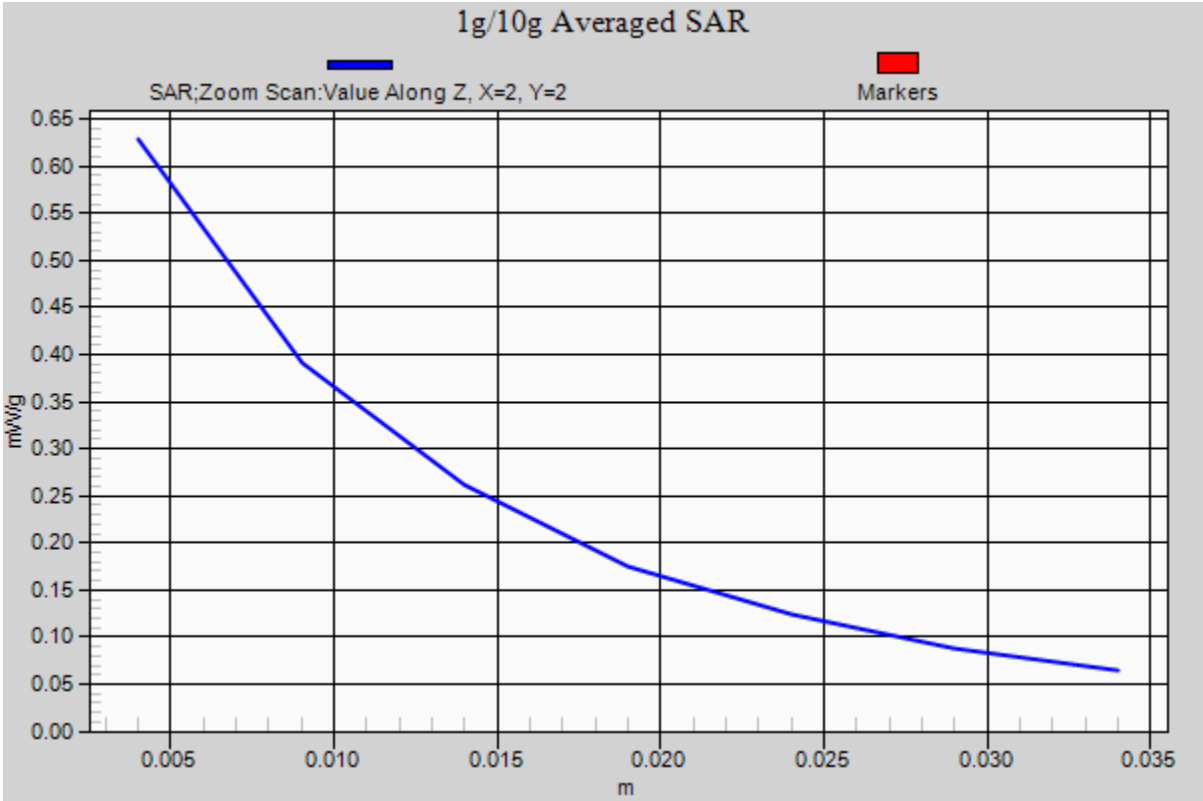
DUT: 1D3102

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.626 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.495 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.933 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.335 mW/g
Maximum value of SAR (measured) = 0.628 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#05 WCDMA V_RMC 12.2K_Tip Mode_0.5cm_Ch4233

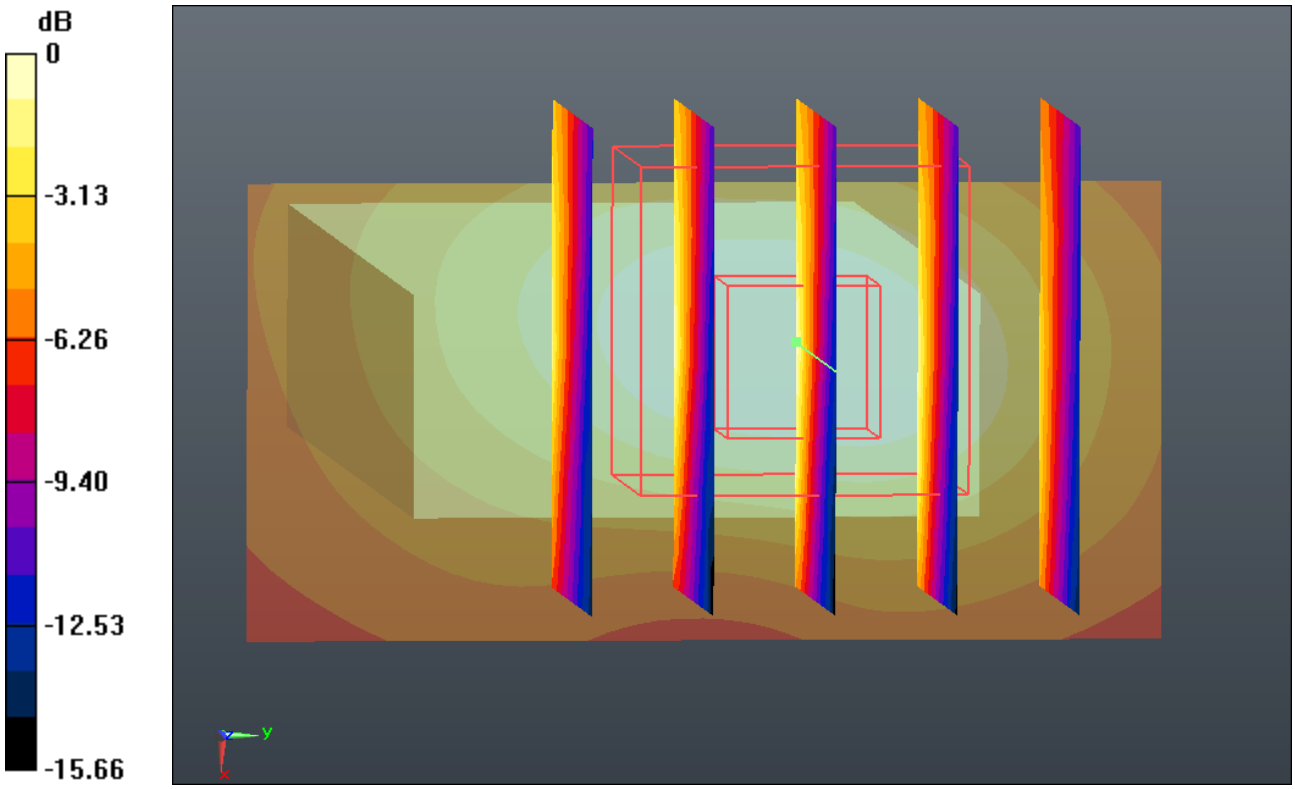
DUT: 1D3102

Communication System: UMTS; Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_850_120311 Medium parameters used: f = 847 MHz; σ = 0.987 mho/m; ε_r = 54.259; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.157 mW/g

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.085 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.259 W/kg
SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.139 mW/g



0 dB = 0.140mW/g

#06 WCDMA IV_RMC 12.2K_Horizontal Up_0.5cm_Ch1513

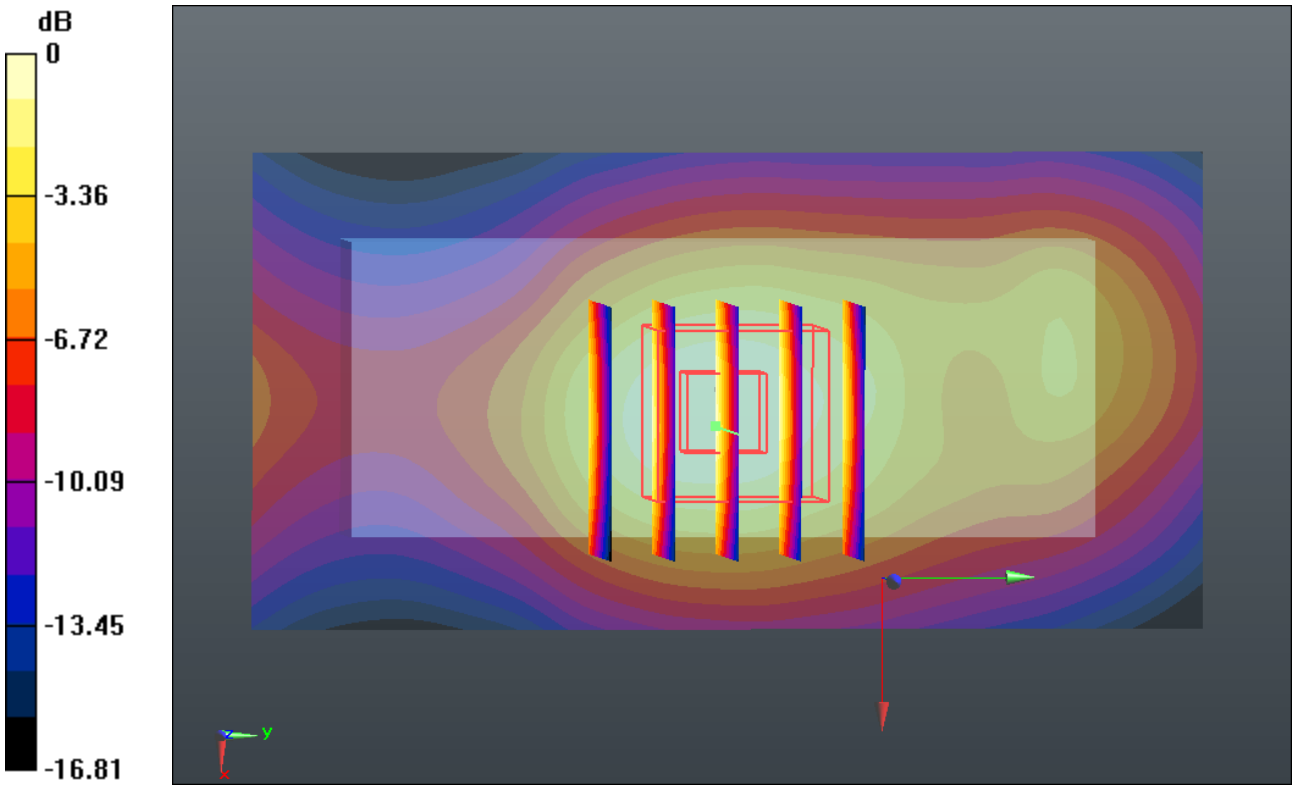
DUT: 1D3102

Communication System: UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1753 MHz; σ = 1.543 mho/m; ε_r = 54.577; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1513/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.168 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.280 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.655 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.624 mW/g
Maximum value of SAR (measured) = 1.152 mW/g



0 dB = 1.150mW/g

#07 WCDMA IV_RMC 12.2K_Horizontal Down_0.5cm_Ch1513

DUT: 1D3102

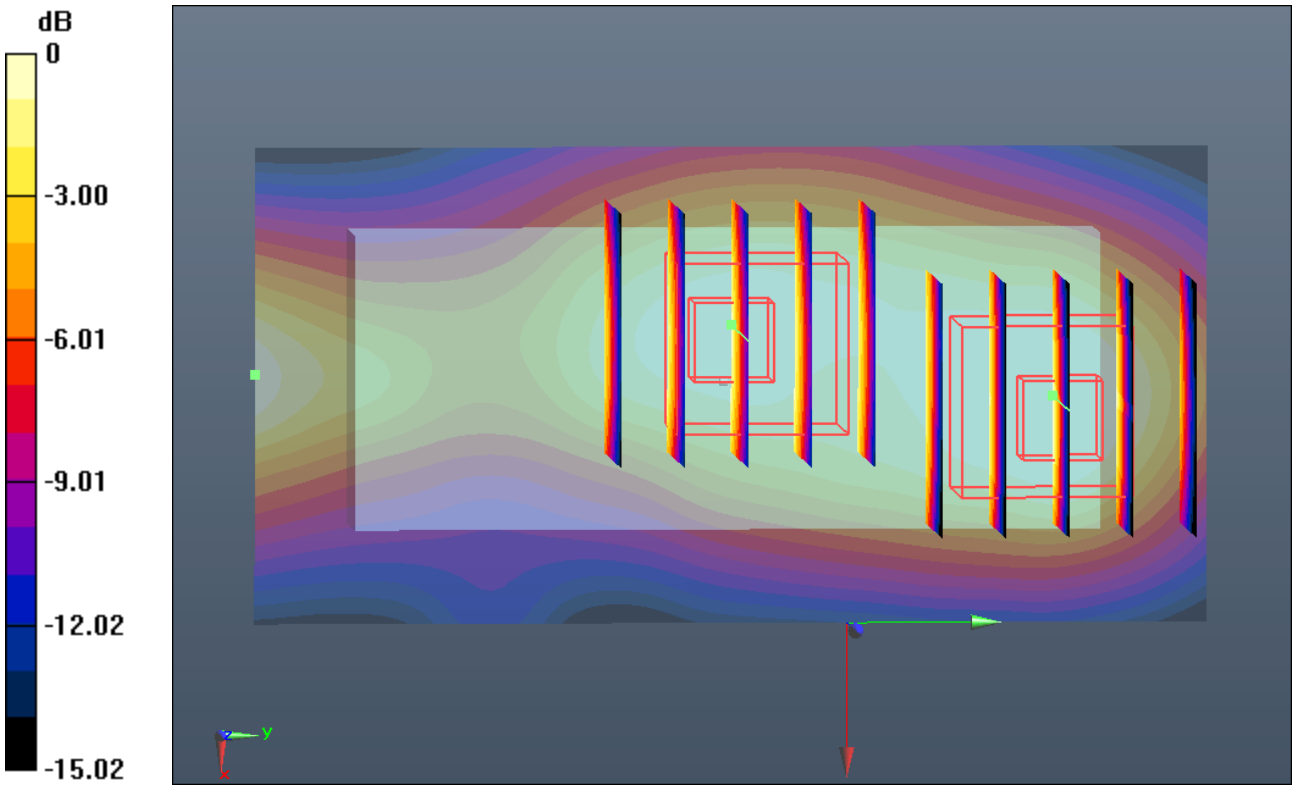
Communication System: UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1753 MHz; σ = 1.543 mho/m; ε_r = 54.577; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1513/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.999 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.324 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.581 W/kg
SAR(1 g) = 0.841 mW/g; SAR(10 g) = 0.445 mW/g
Maximum value of SAR (measured) = 0.887 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.324 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.152 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 0.806 mW/g



0 dB = 0.810mW/g

#08 WCDMA IV_RMC 12.2K_Vertical Front_0.5cm_Ch1513

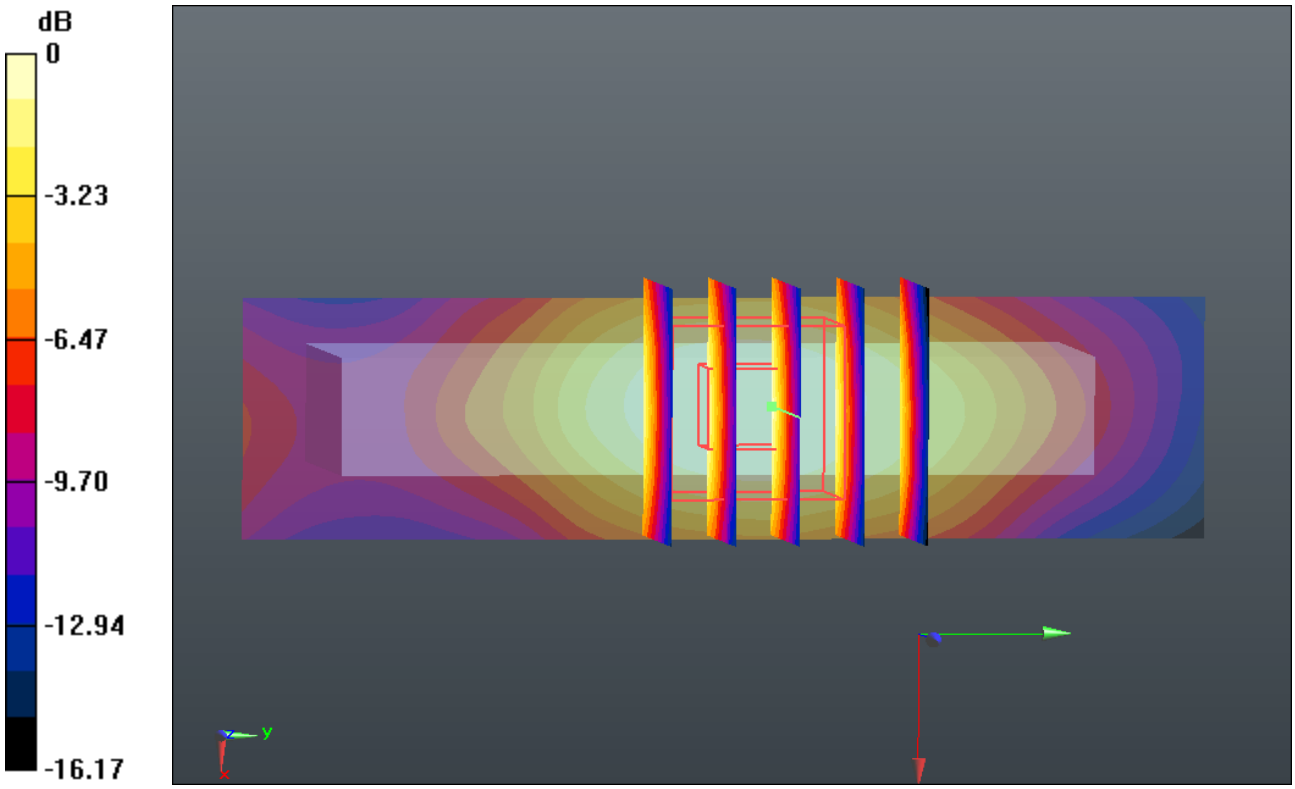
DUT: 1D3102

Communication System: UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1753 MHz; σ = 1.543 mho/m; ε_r = 54.577; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1513/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.289 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.309 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.811 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 1.192 mW/g



0 dB = 1.190mW/g

#09 WCDMA IV_RMC 12.2K_Vertical Back_0.5cm_Ch1513

DUT: 1D3102

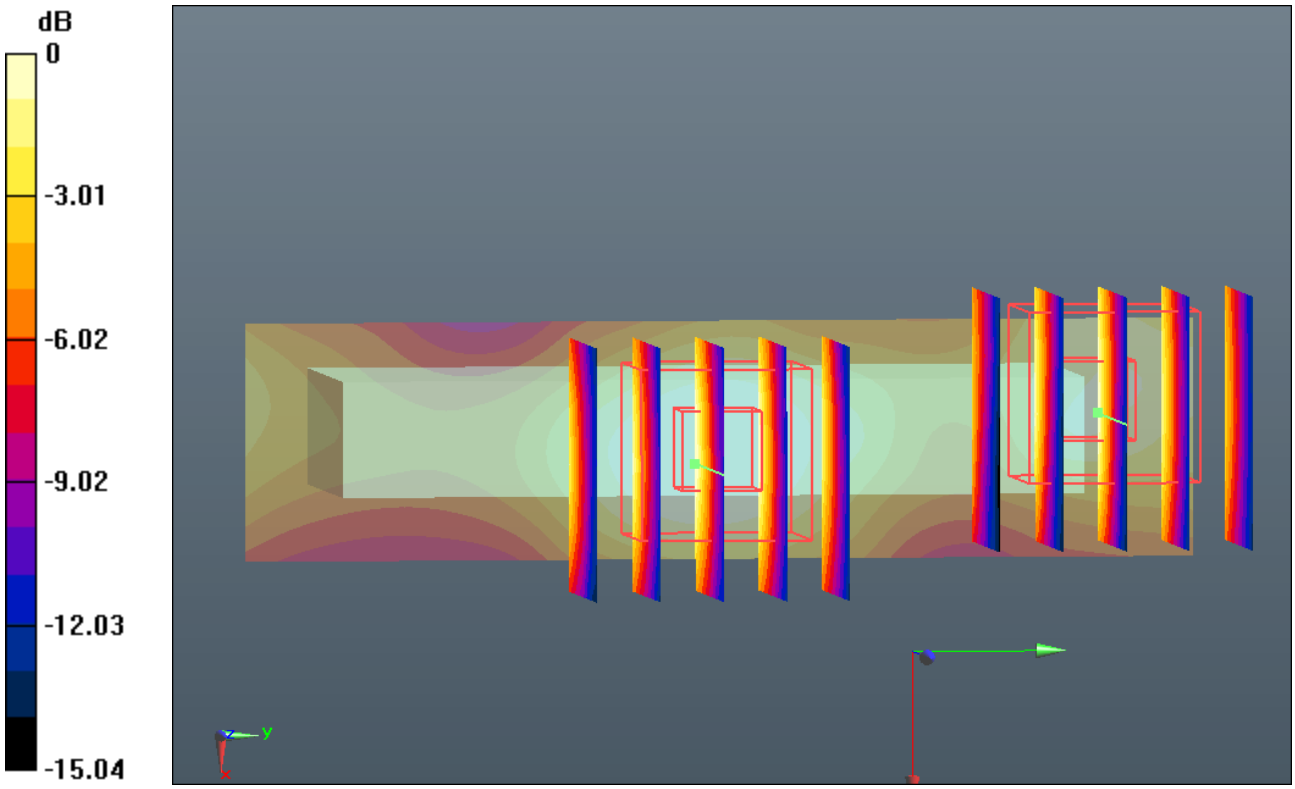
Communication System: UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1753 MHz; σ = 1.543 mho/m; ε_r = 54.577; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1513/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.184 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.842 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.090 mW/g
Maximum value of SAR (measured) = 0.177 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.842 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.273 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



0 dB = 0.160mW/g

#10 WCDMA IV_RMC 12.2K_Tip Mode_0.5cm_Ch1513

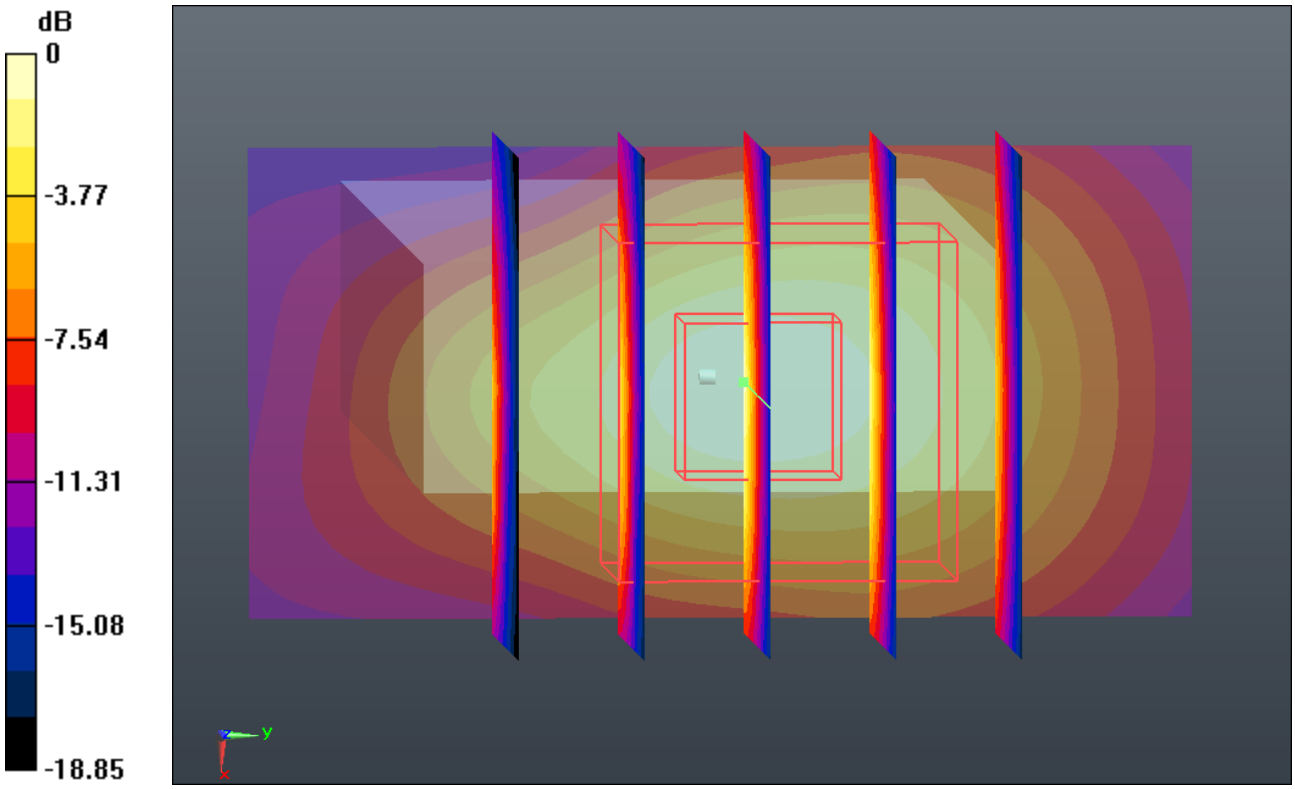
DUT: 1D3102

Communication System: UMTS; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1753 MHz; σ = 1.543 mho/m; ε_r = 54.577; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1513/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.879 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.729 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.514 W/kg
SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.861 mW/g



0 dB = 0.860mW/g

#11 WCDMA IV_RMC 12.2K_Horizontal Up_0.5cm_Ch1312

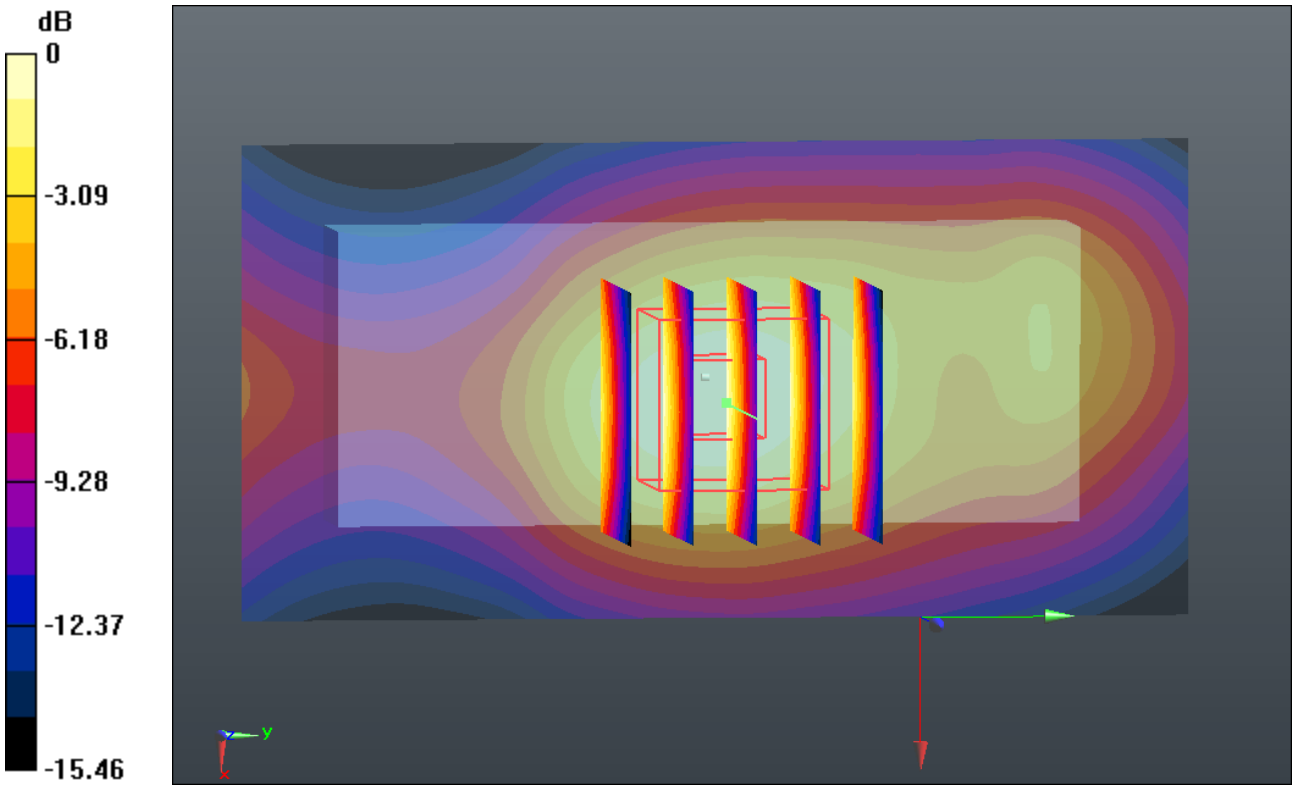
DUT: 1D3102

Communication System: UMTS; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1712.4 MHz; σ = 1.487 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1312/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.989 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.521 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.394 W/kg
SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.543 mW/g
Maximum value of SAR (measured) = 0.992 mW/g



0 dB = 0.990mW/g

#12 WCDMA IV_RMC 12.2K_Horizontal Up_0.5cm_Ch1413

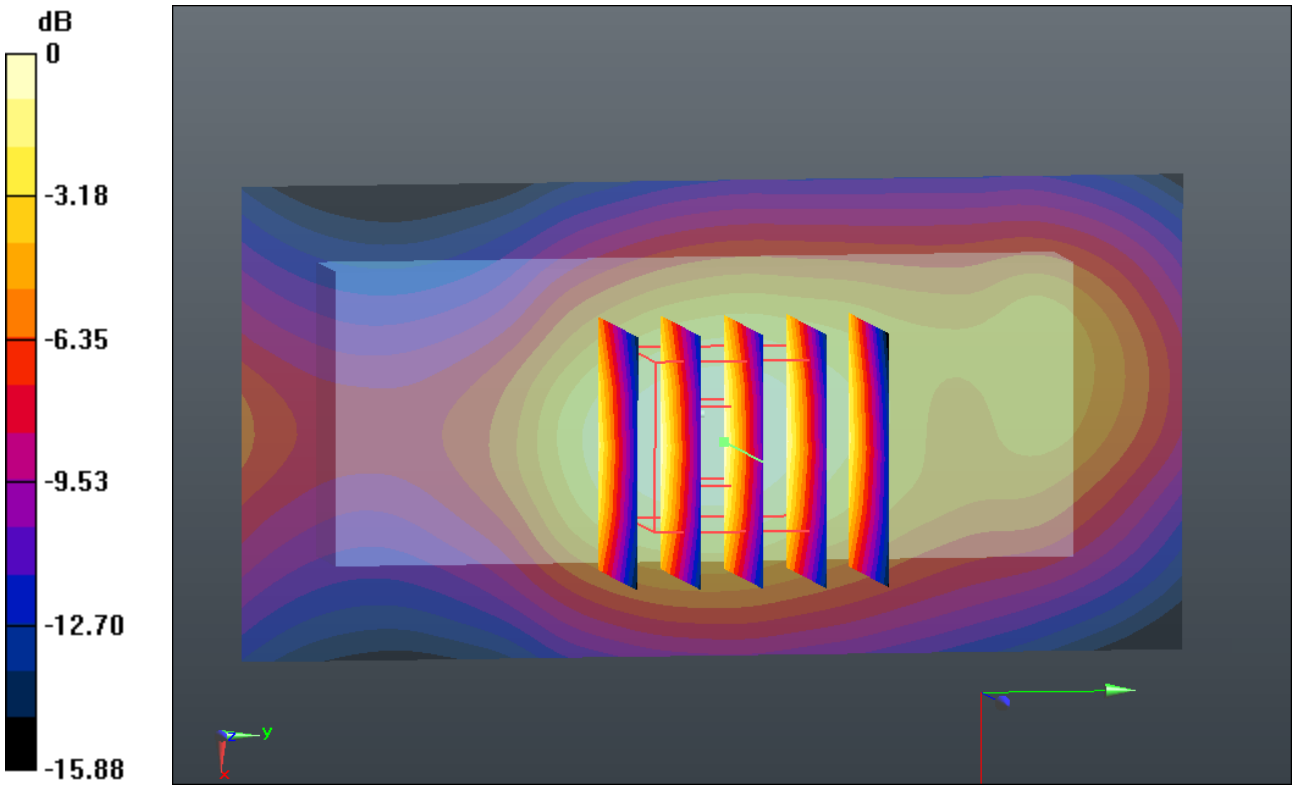
DUT: 1D3102

Communication System: UMTS; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1733 MHz; σ = 1.511 mho/m; ε_r = 54.617; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1413/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.247 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.059 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.750 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.674 mW/g
Maximum value of SAR (measured) = 1.235 mW/g



0 dB = 1.240mW/g

#13 WCDMA IV_RMC 12.2K_Horizontal Down_0.5cm_Ch1312

DUT: 1D3102

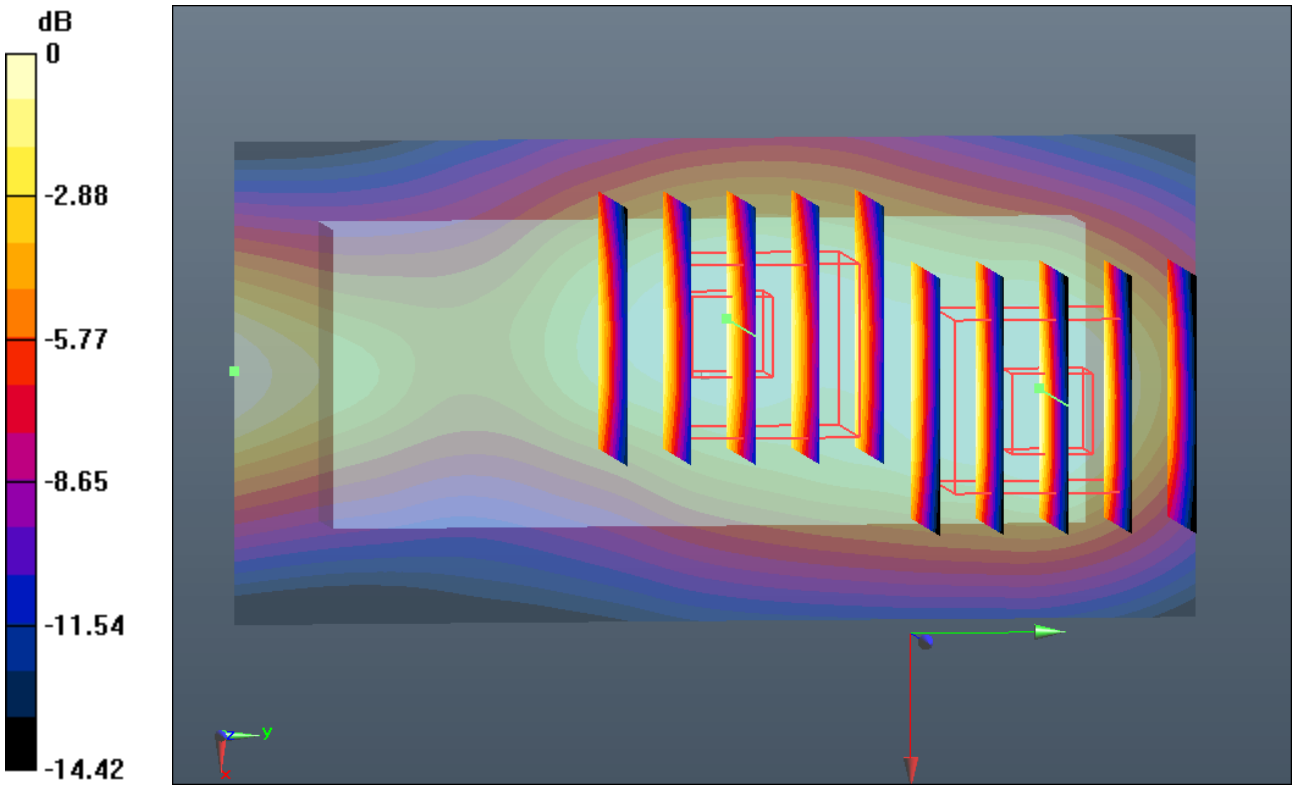
Communication System: UMTS; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1712.4 MHz; σ = 1.487 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1312/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.897 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.104 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.397 W/kg
SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.406 mW/g
Maximum value of SAR (measured) = 0.794 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.104 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.026 W/kg
SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.424 mW/g
Maximum value of SAR (measured) = 0.727 mW/g



0 dB = 0.730mW/g

#14 WCDMA IV_RMC 12.2K_Horizontal Down_0.5cm_Ch1413

DUT: 1D3102

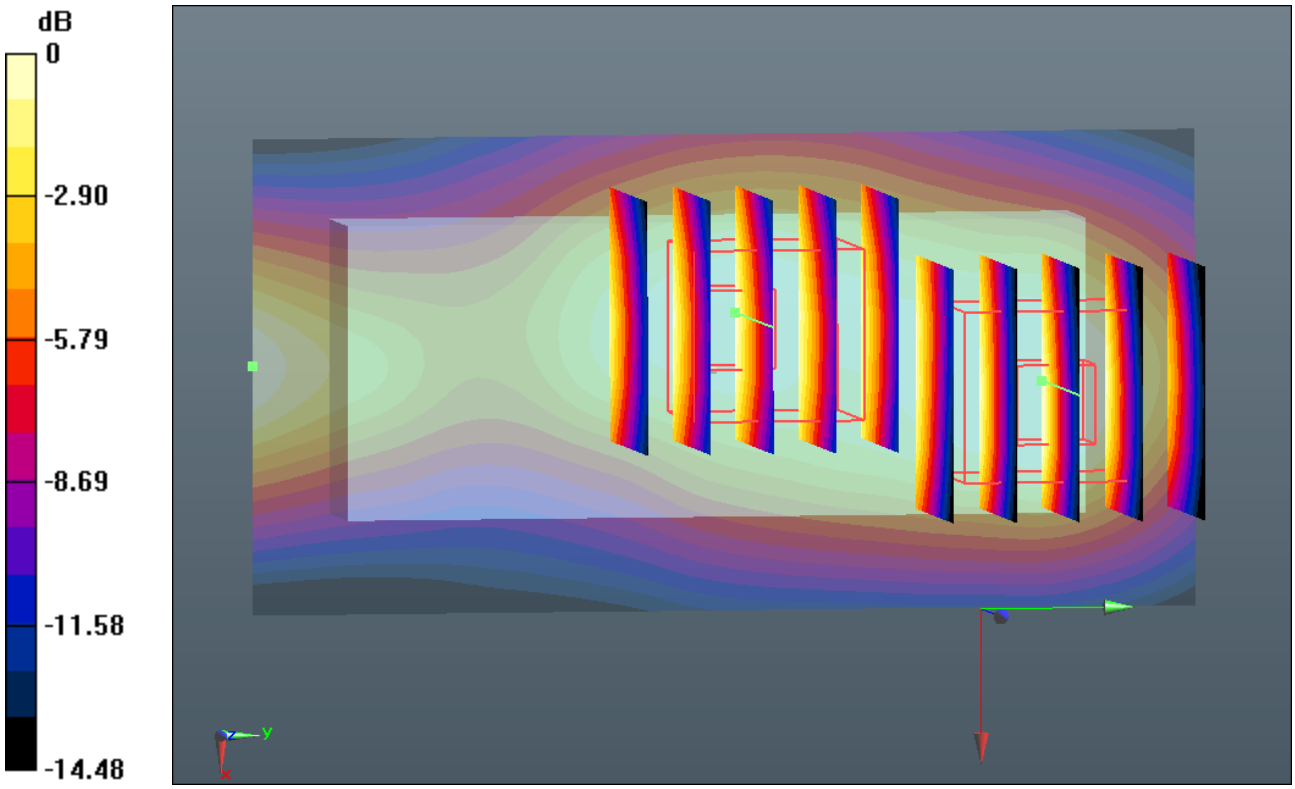
Communication System: UMTS; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1733 MHz; σ = 1.511 mho/m; ε_r = 54.617; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1413/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.111 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.032 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.758 W/kg
SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.503 mW/g
Maximum value of SAR (measured) = 0.997 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.032 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 1.280 W/kg
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.518 mW/g
Maximum value of SAR (measured) = 0.901 mW/g



0 dB = 0.900mW/g

#15 WCDMA IV_RMC 12.2K_Vertical Front_0.5cm_Ch1312

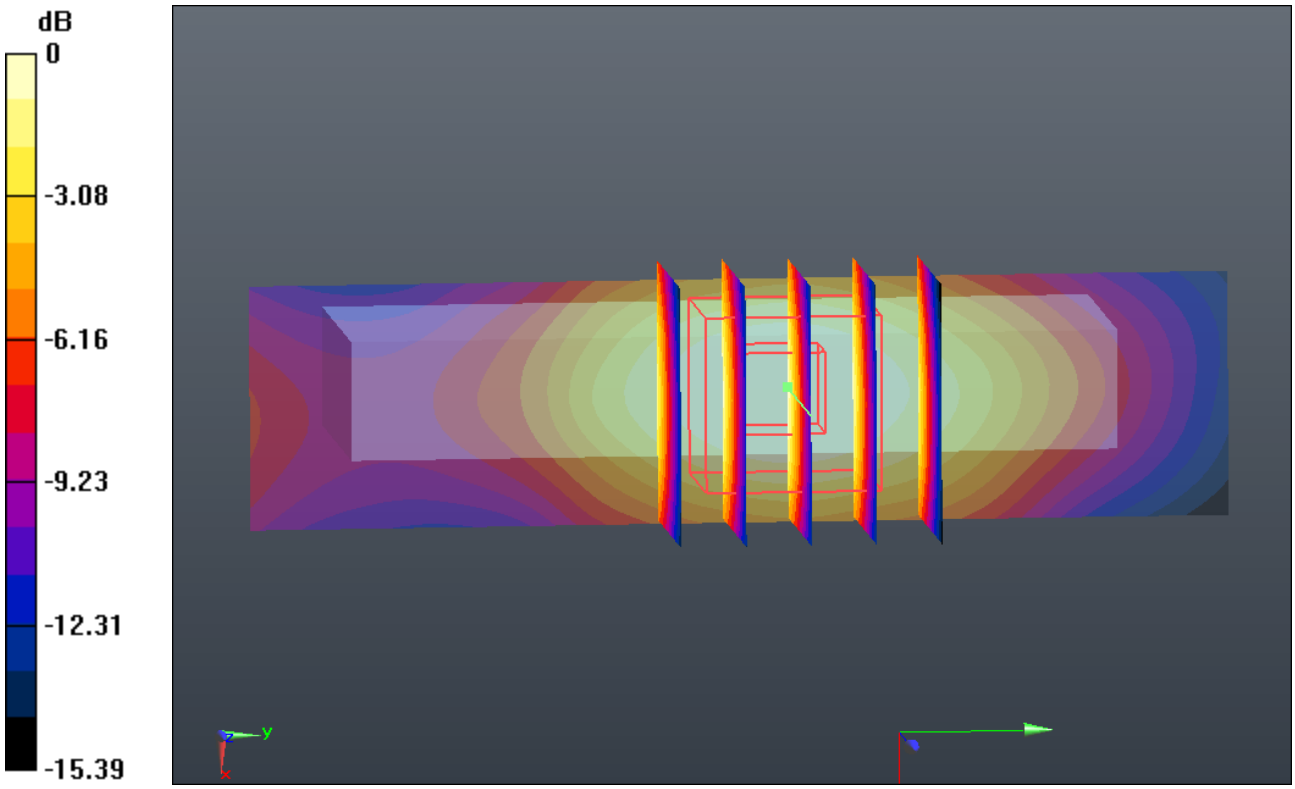
DUT: 1D3102

Communication System: UMTS; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1712.4 MHz; σ = 1.487 mho/m; ε_r = 54.734; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1312/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.252 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.551 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.698 W/kg
SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.602 mW/g
Maximum value of SAR (measured) = 1.145 mW/g



0 dB = 1.150mW/g

#16 WCDMA IV_RMC 12.2K_Vertical Front_0.5cm_Ch1413

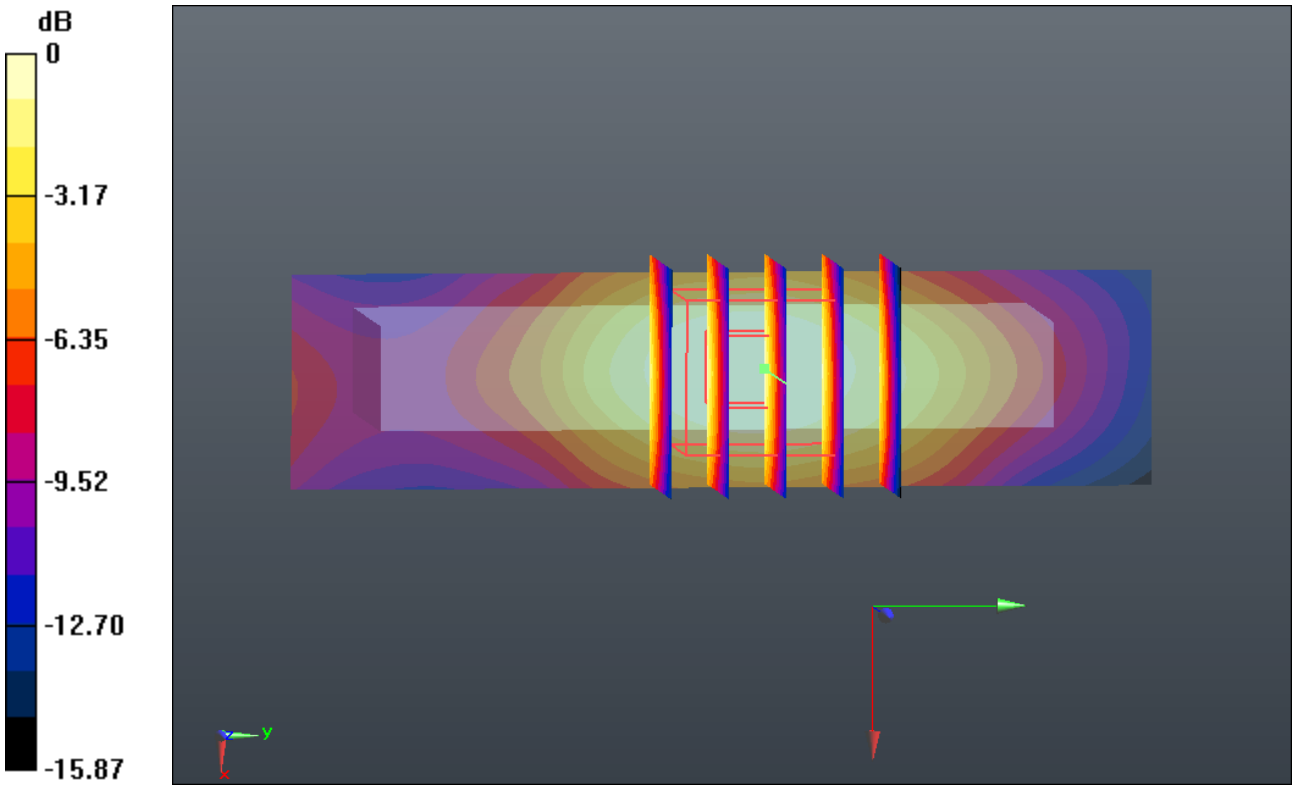
DUT: 1D3102

Communication System: UMTS; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1733 MHz; σ = 1.511 mho/m; ε_r = 54.617; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1413/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.385 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.820 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.915 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.671 mW/g
Maximum value of SAR (measured) = 1.284 mW/g



0 dB = 1.280mW/g

#16 WCDMA IV_RMC 12.2K_Vertical Front_0.5cm_Ch1413_2D

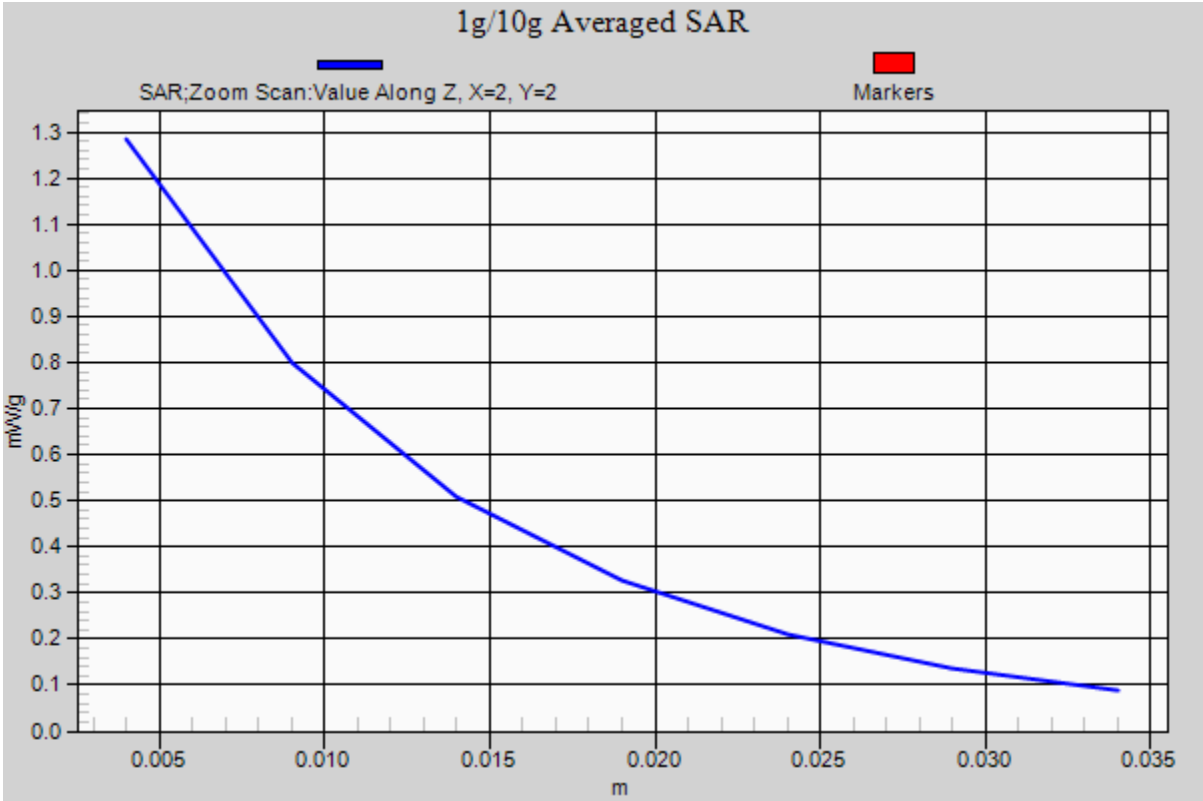
DUT: 1D3102

Communication System: UMTS; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1733 MHz; σ = 1.511 mho/m; ε_r = 54.617; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1413/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.385 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.820 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.915 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.671 mW/g
Maximum value of SAR (measured) = 1.284 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
1.3
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
0.035
m

#17 WCDMA II_RMC 12.2K_Horizontal Up_0.5cm_Ch9400

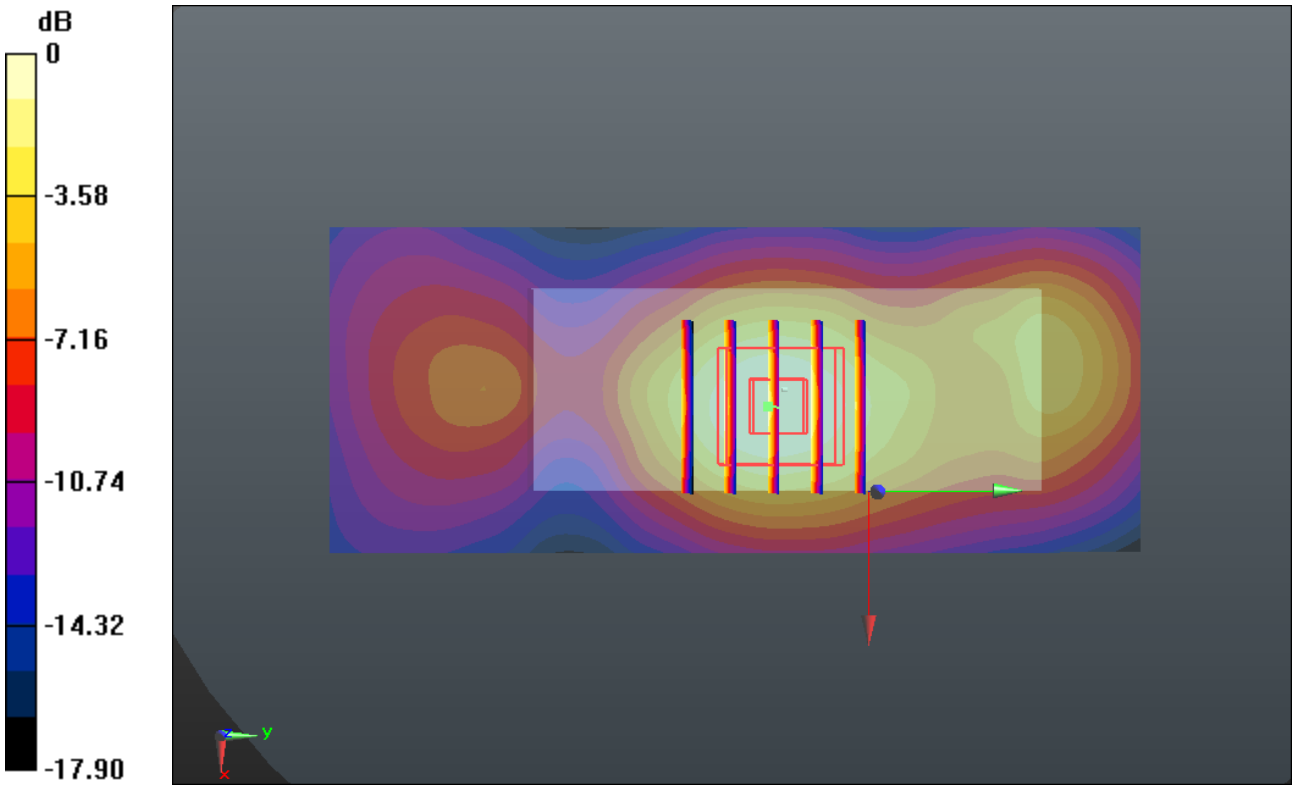
DUT: 1D3102

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.268 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.352 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.776 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.613 mW/g
Maximum value of SAR (measured) = 1.160 mW/g



0 dB = 1.160mW/g

#18 WCDMA II_RMC 12.2K_Horizontal Down_0.5cm_Ch9400

DUT: 1D3102

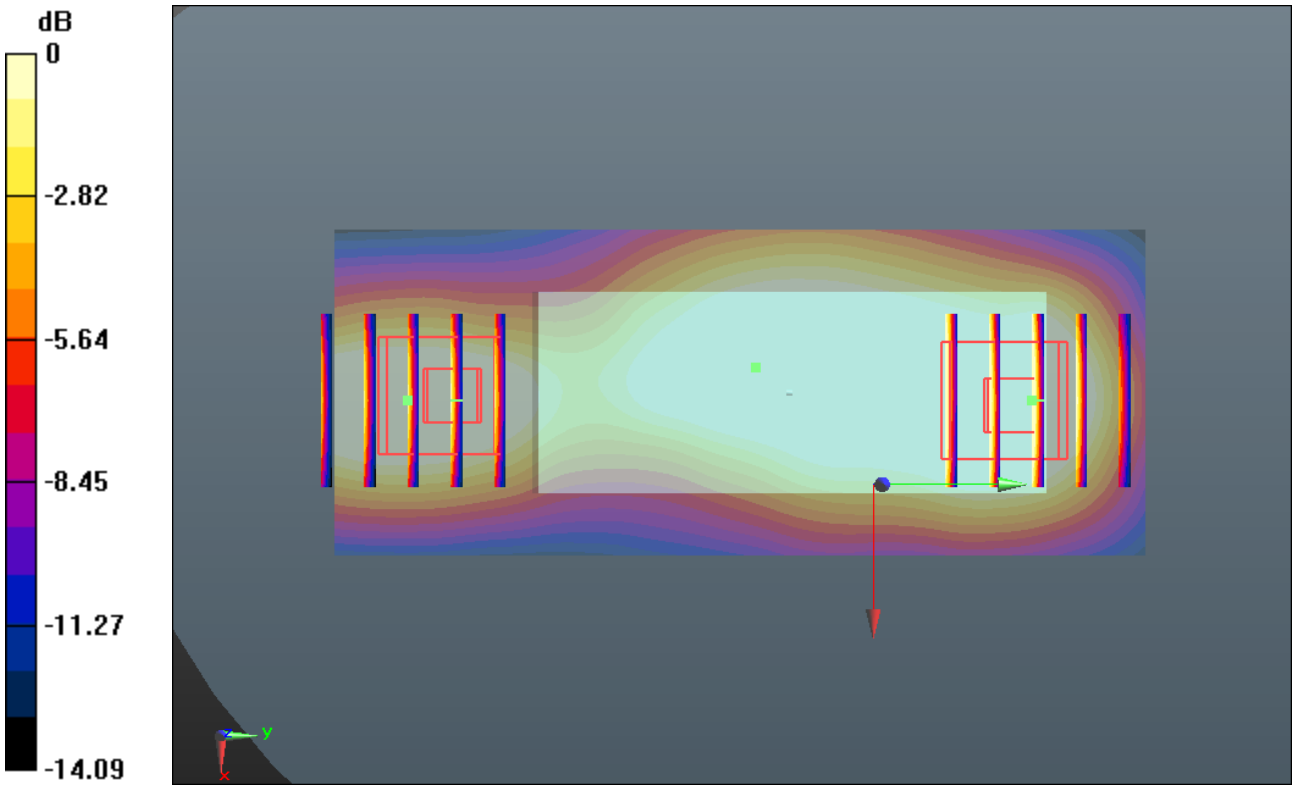
Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.098 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.749 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 2.066 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.530 mW/g
Maximum value of SAR (measured) = 1.160 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.749 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.232 mW/g
Maximum value of SAR (measured) = 0.466 mW/g



0 dB = 0.470mW/g

#19 WCDMA II_RMC 12.2K_Vertical Front_0.5cm_Ch9400

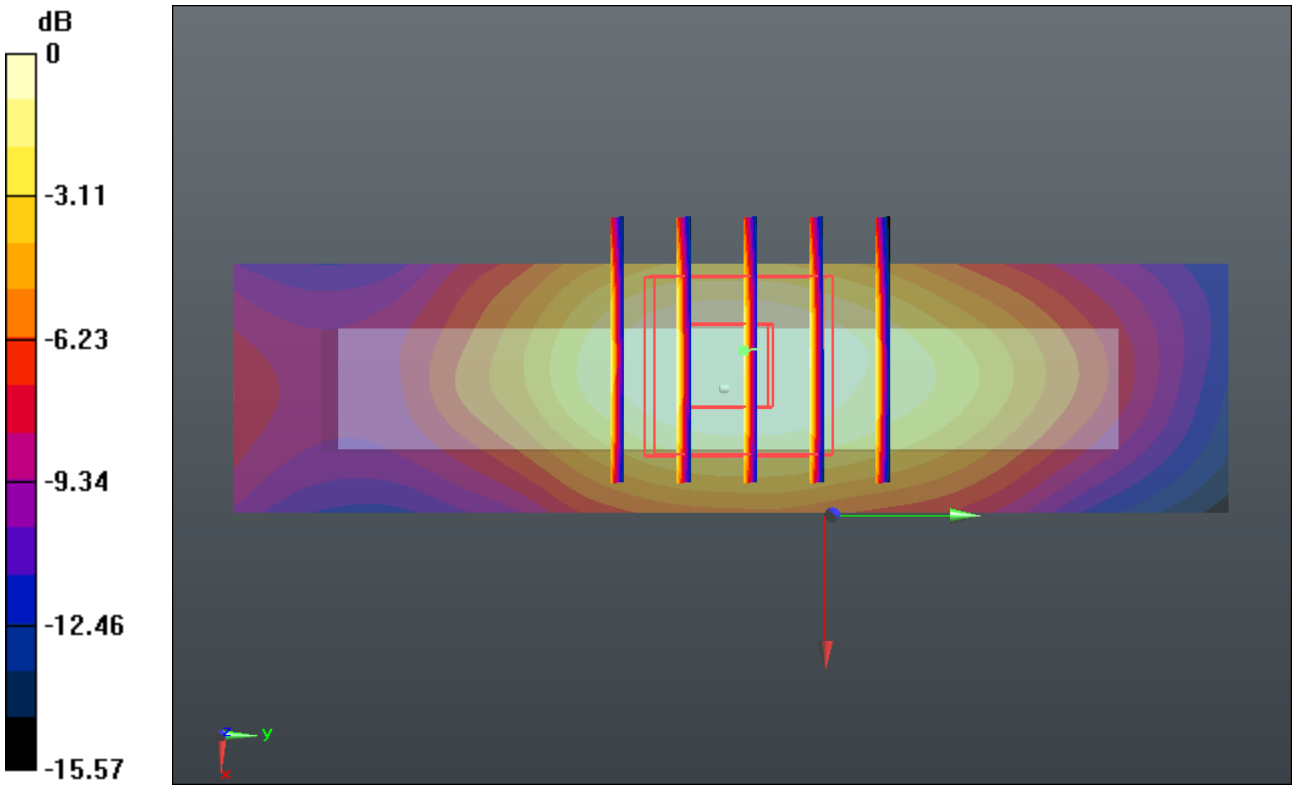
DUT: 1D3102

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.288 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.972 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.883 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.615 mW/g
Maximum value of SAR (measured) = 1.194 mW/g



0 dB = 1.190mW/g

#19 WCDMA II_RMC 12.2K_Vertical Front_0.5cm_Ch9400_2D

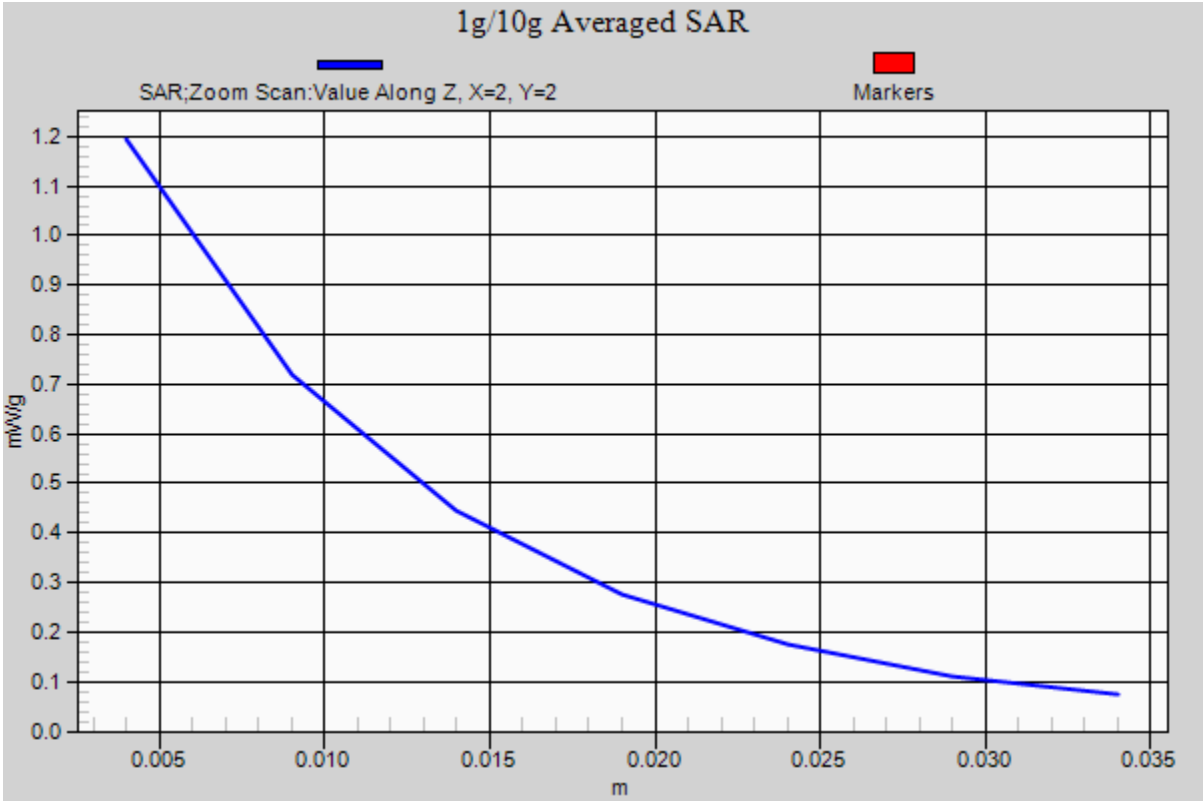
DUT: 1D3102

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.288 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.972 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.883 W/kg
SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.615 mW/g
Maximum value of SAR (measured) = 1.194 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
0.035
m

#20 WCDMA II_RMC 12.2K_Vertical Back_0.5cm_Ch9400

DUT: 1D3102

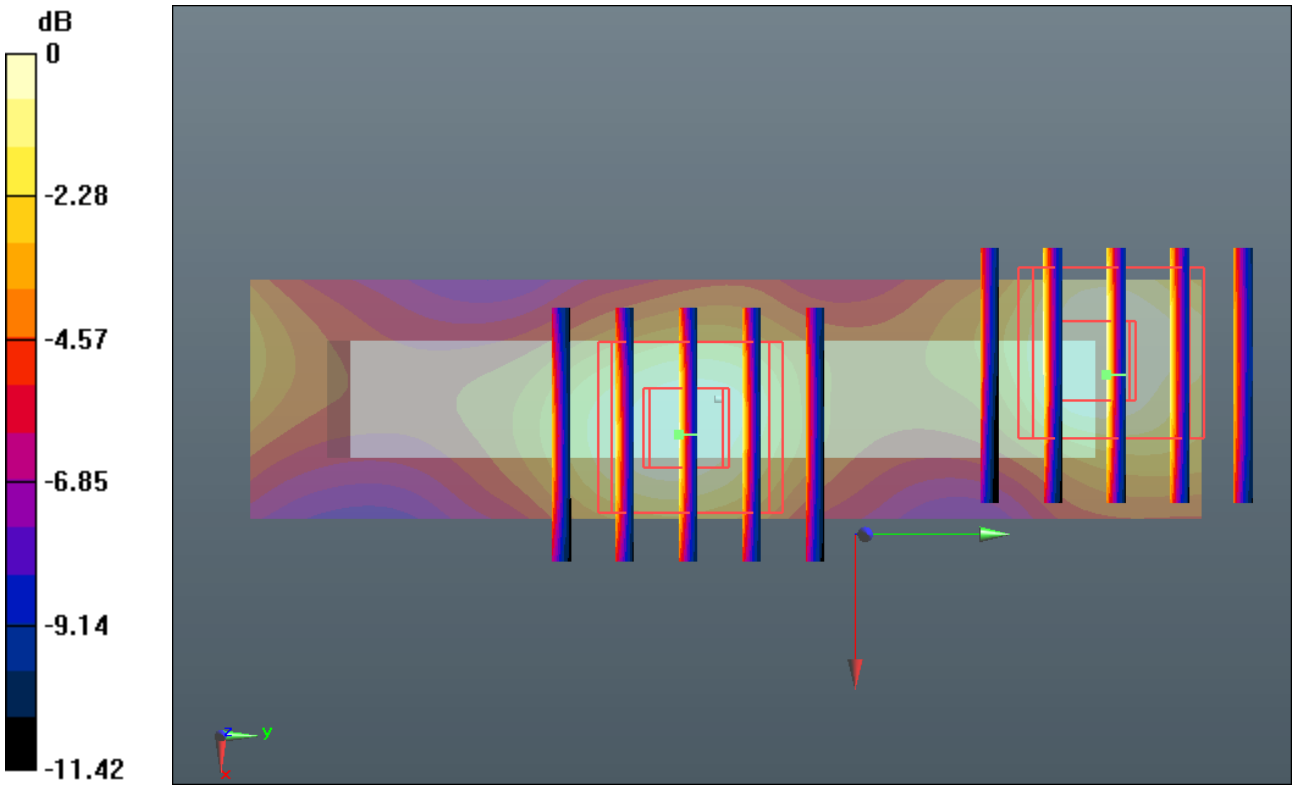
Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.179 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.045 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.298 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.175 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.045 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.173 mW/g



0 dB = 0.170mW/g

#21 WCDMA II_RMC 12.2K_Tip Mode_0.5cm_Ch9400

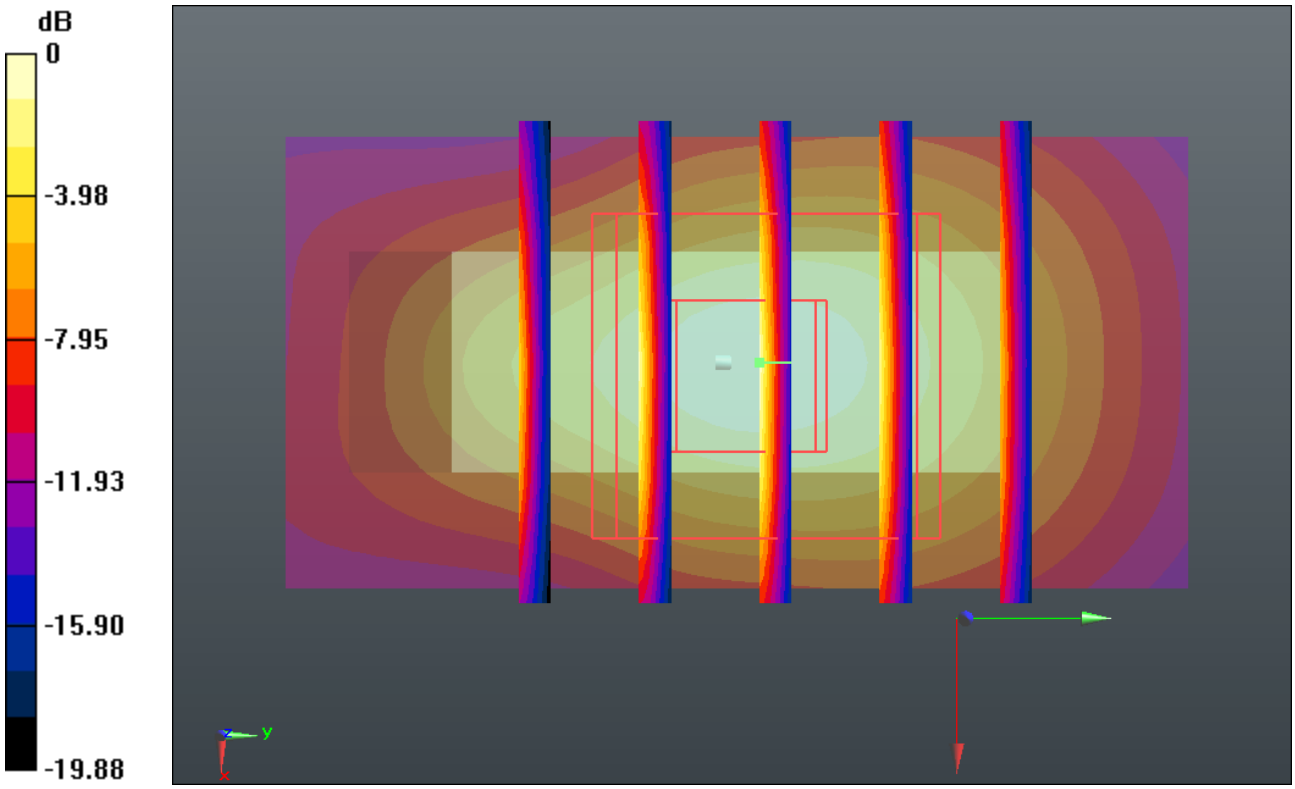
DUT: 1D3102

Communication System: UMTS; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1880 MHz; σ = 1.525 mho/m; ε_r = 53.834; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.977 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.052 V/m; Power Drift = -0.0087 dB
Peak SAR (extrapolated) = 1.698 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.359 mW/g
Maximum value of SAR (measured) = 0.978 mW/g



0 dB = 0.980mW/g

#22 WCDMA II_RMC 12.2K_Tip Mode_0.5cm_Ch9262

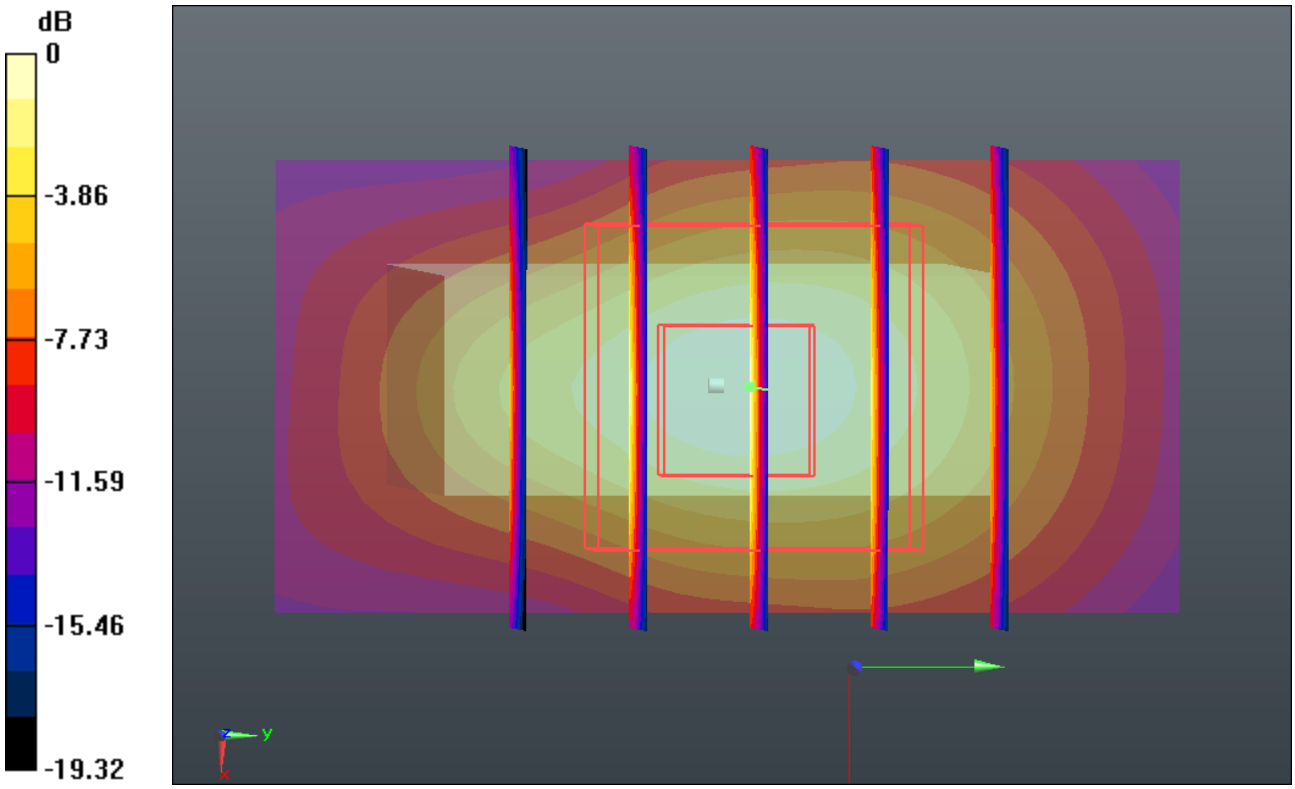
DUT: 1D3102

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1852.4 MHz; σ = 1.492 mho/m; ε_r = 53.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.983 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.747 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.711 W/kg
SAR(1 g) = 0.807 mW/g; SAR(10 g) = 0.355 mW/g
Maximum value of SAR (measured) = 0.966 mW/g



0 dB = 0.970mW/g

#23 WCDMA II_RMC 12.2K_Tip Mode_0.5cm_Ch9538

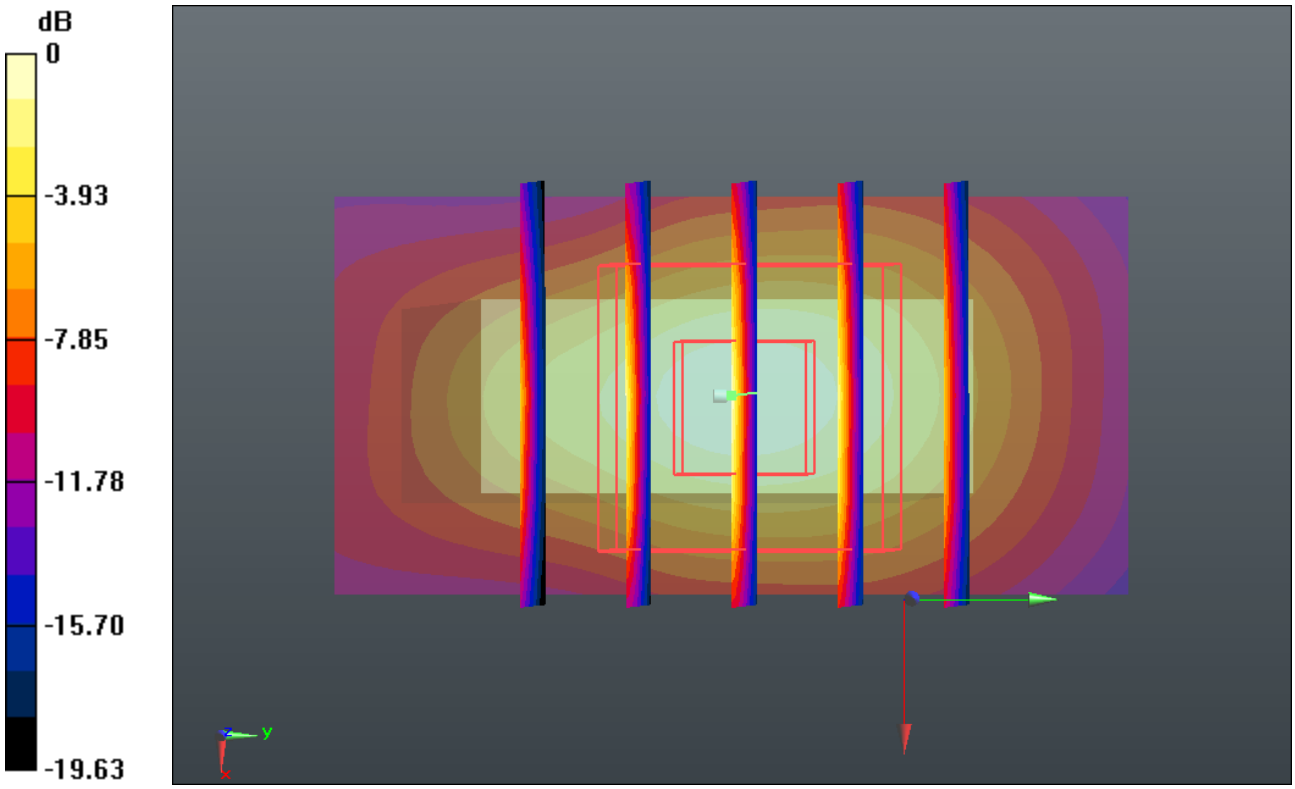
DUT: 1D3102

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1908 MHz; σ = 1.555 mho/m; ε_r = 53.787; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.883 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.982 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.559 W/kg
SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.317 mW/g
Maximum value of SAR (measured) = 0.880 mW/g



0 dB = 0.880mW/g

#24 WCDMA II_RMC 12.2K_Vertical Front_0.5cm_Ch9262

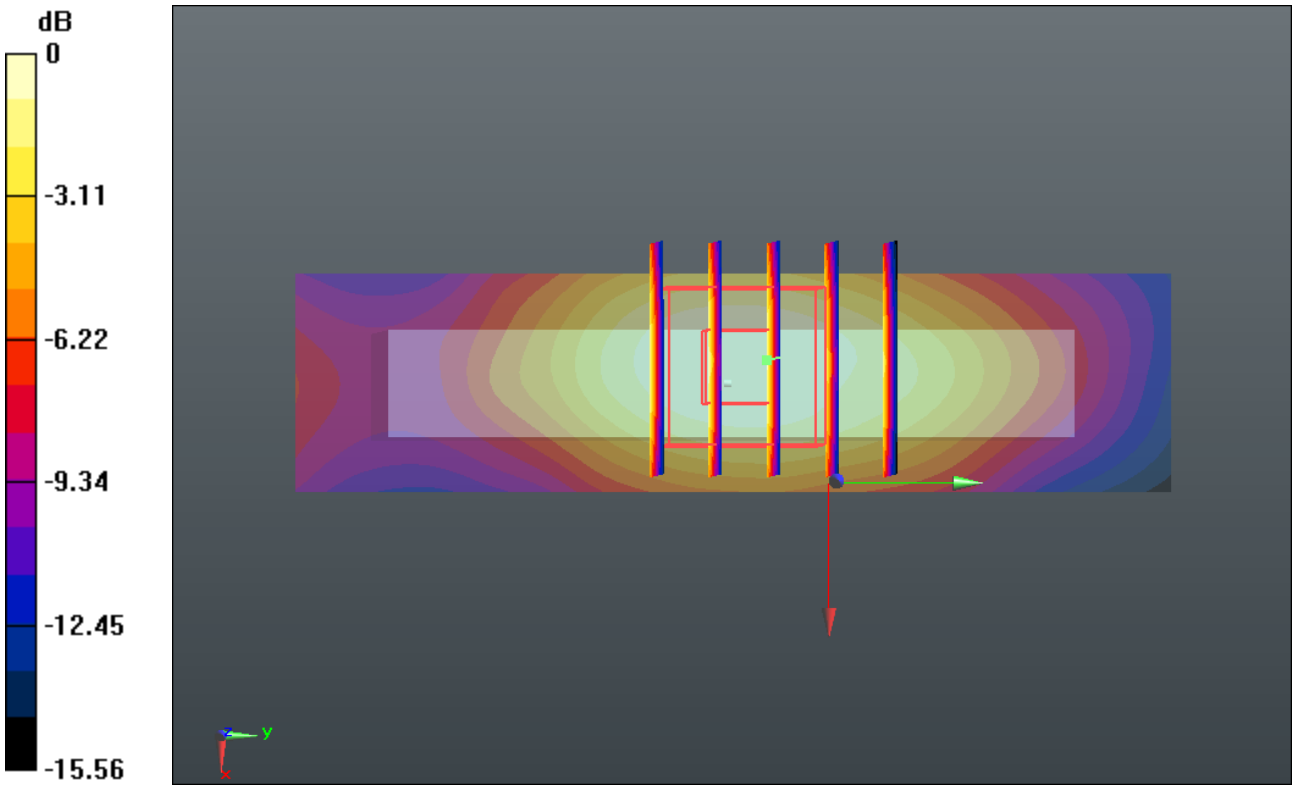
DUT: 1D3102

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1852.4 MHz; σ = 1.492 mho/m; ε_r = 53.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.265 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.841 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.824 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.608 mW/g
Maximum value of SAR (measured) = 1.173 mW/g



0 dB = 1.170mW/g

#25 WCDMA II_RMC 12.2K_Vertical Front_0.5cm_Ch9538

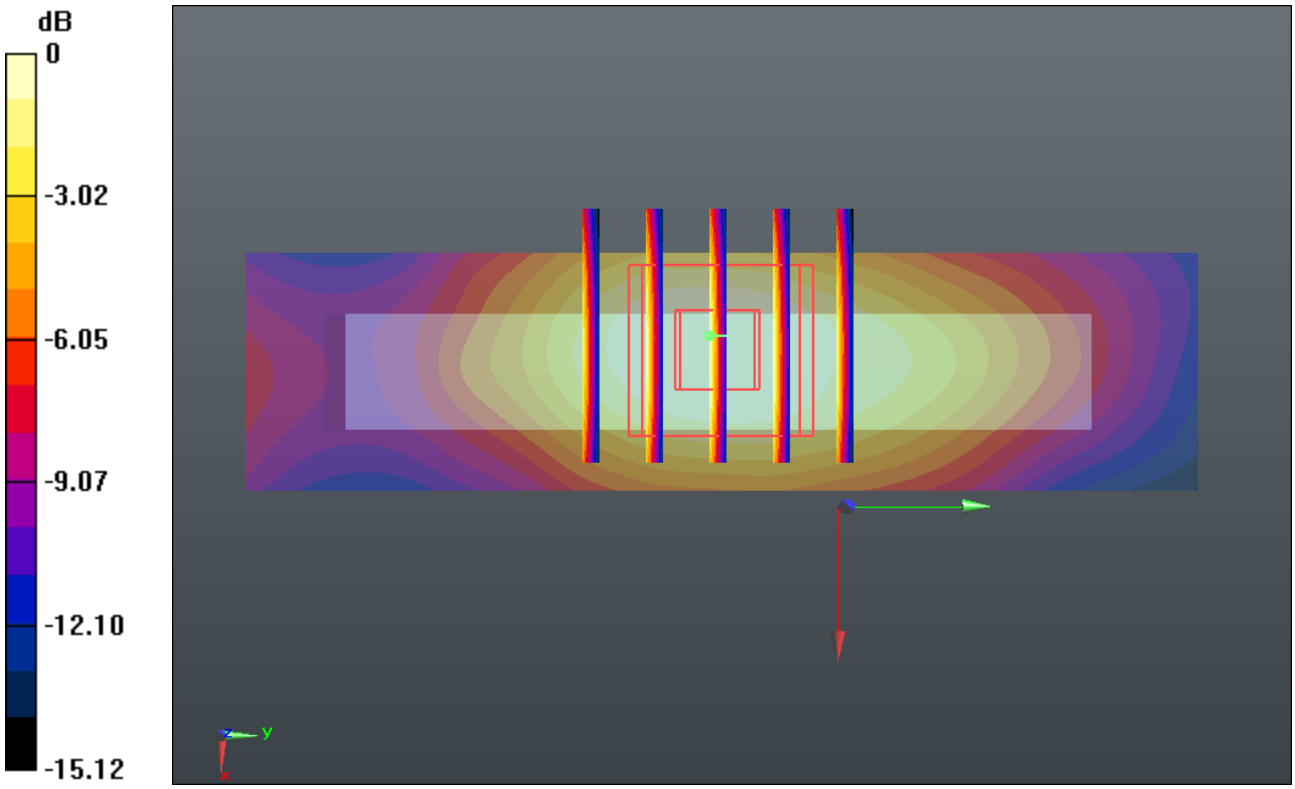
DUT: 1D3102

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1908 MHz; σ = 1.555 mho/m; ε_r = 53.787; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.103 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.852 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.599 W/kg
SAR(1 g) = 0.935 mW/g; SAR(10 g) = 0.523 mW/g
Maximum value of SAR (measured) = 1.012 mW/g



0 dB = 1.010mW/g

#26 WCDMA II_RMC 12.2K_Horizontal Down_0.5cm_Ch9262

DUT: 1D3102

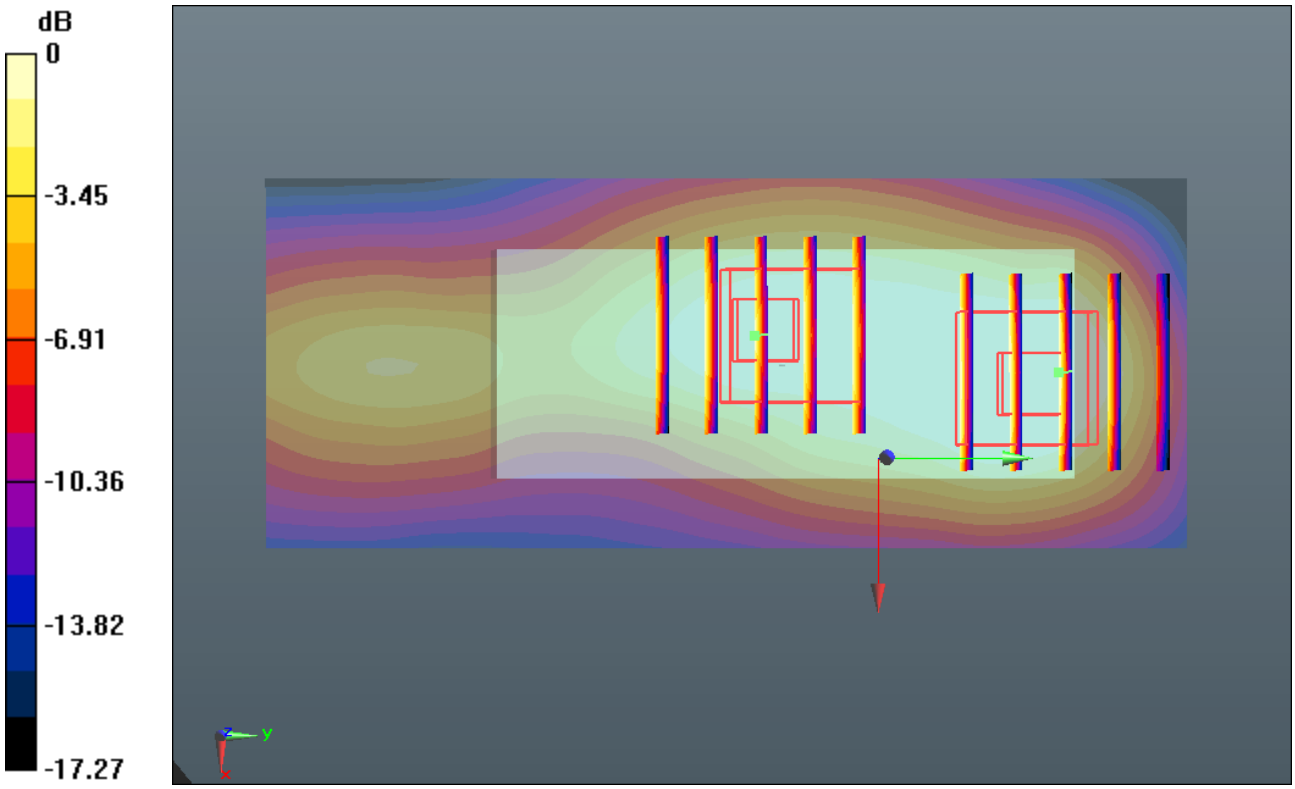
Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1852.4 MHz; σ = 1.492 mho/m; ε_r = 53.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.085 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.804 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.052 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.533 mW/g
Maximum value of SAR (measured) = 1.117 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.804 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.092 W/kg
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.416 mW/g
Maximum value of SAR (measured) = 0.744 mW/g



0 dB = 0.740mW/g

#27 WCDMA II_RMC 12.2K_Horizontal Down_0.5cm_Ch9538

DUT: 1D3102

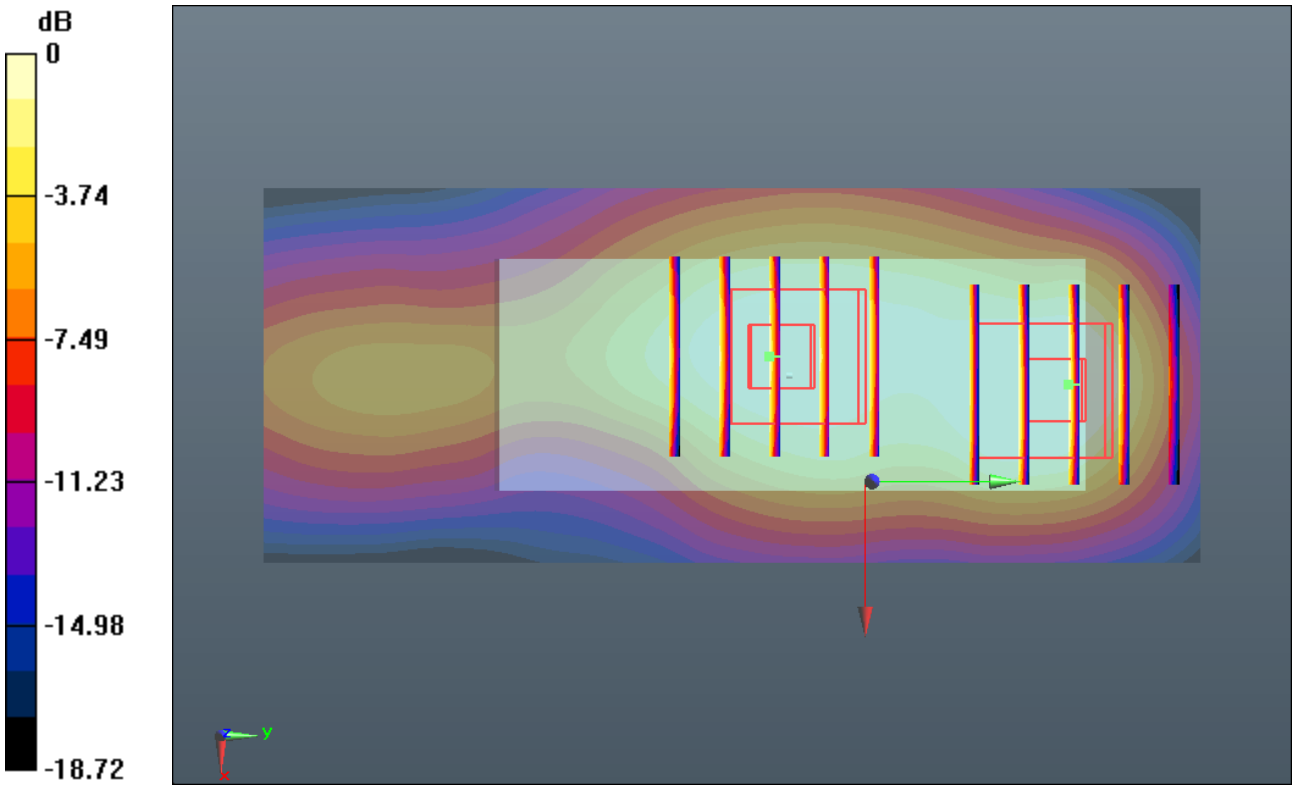
Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1908 MHz; σ = 1.555 mho/m; ε_r = 53.787; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.998 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.885 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.902 W/kg
SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 1.073 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.885 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.109 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.423 mW/g
Maximum value of SAR (measured) = 0.758 mW/g



0 dB = 0.760mW/g

#28 WCDMA II_RMC 12.2K_Horizontal Up_0.5cm_Ch9262

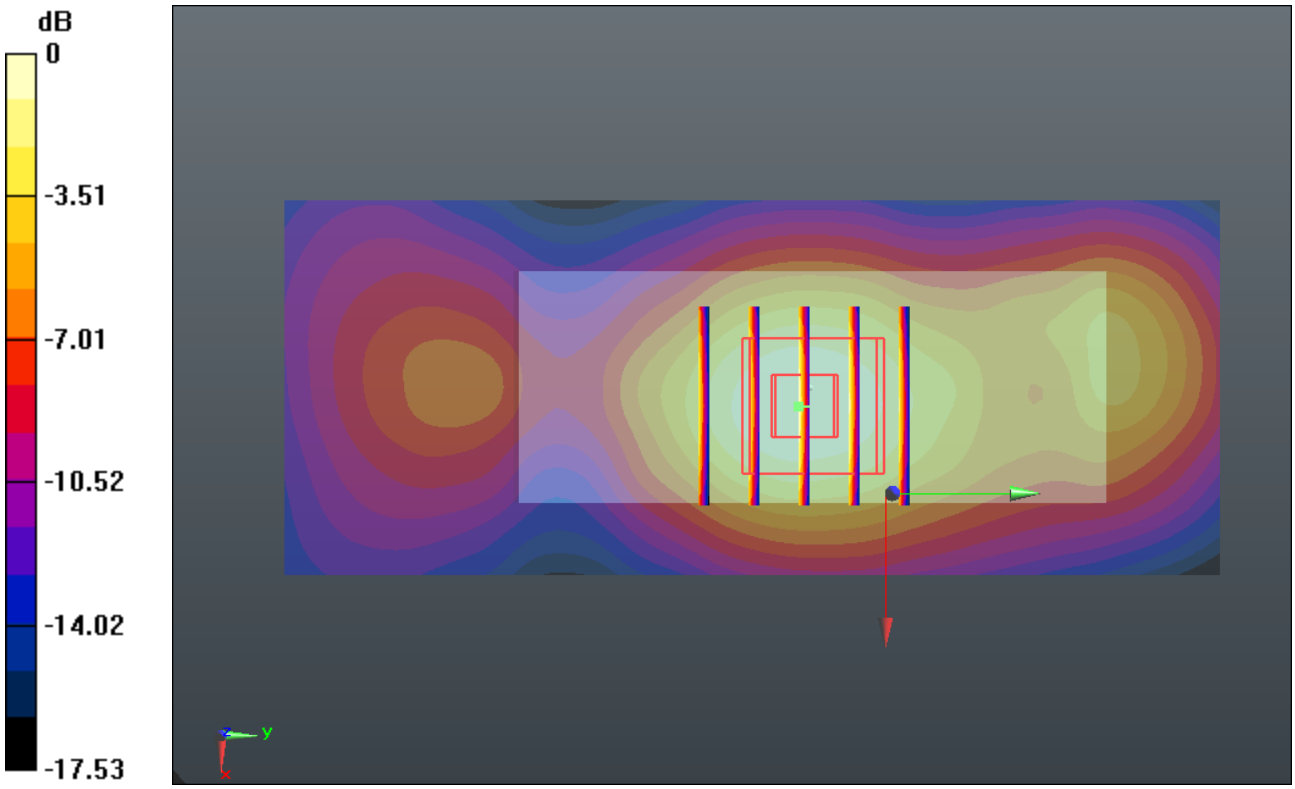
DUT: 1D3102

Communication System: UMTS; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1852.4 MHz; σ = 1.492 mho/m; ε_r = 53.874; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.288 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.345 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.750 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 1.214 mW/g



0 dB = 1.210mW/g

#29 WCDMA II_RMC 12.2K_Horizontal Up_0.5cm_Ch9538

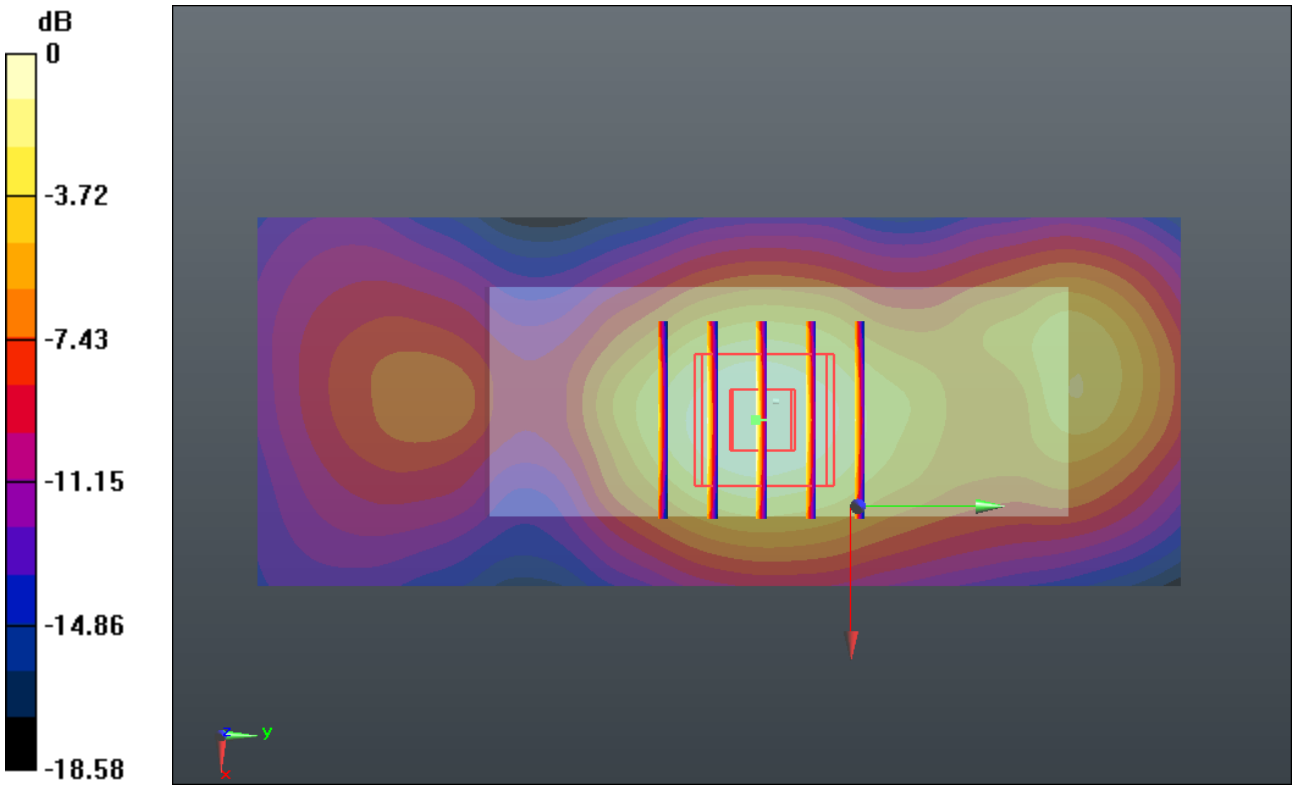
DUT: 1D3102

Communication System: UMTS; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_120311 Medium parameters used: f = 1908 MHz; σ = 1.555 mho/m; ε_r = 53.787; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.084 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.238 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.519 W/kg
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.514 mW/g
Maximum value of SAR (measured) = 1.008 mW/g



0 dB = 1.010mW/g

#82 LTE Band 12_QPSK(25 13)_10M_Horizontal Up_0.5cm_Ch23095

DUT: 1D3102

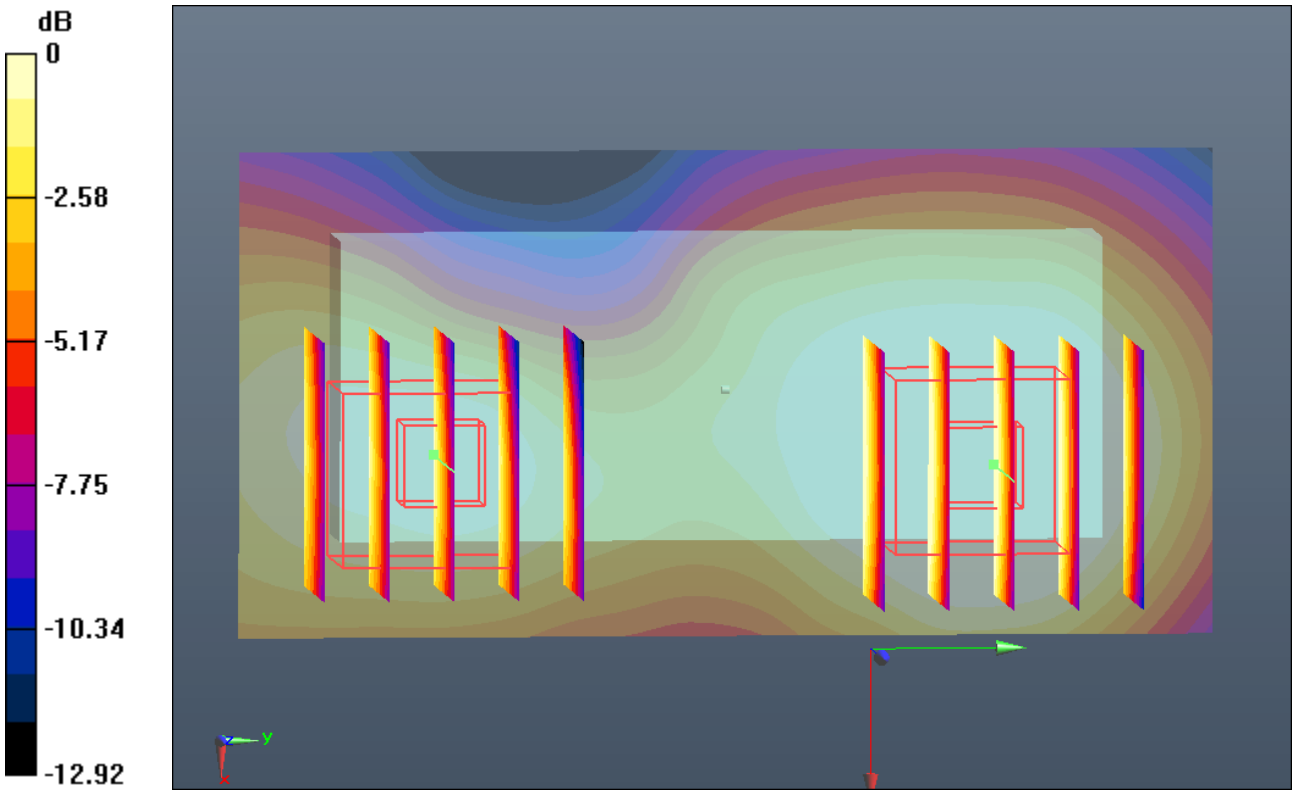
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.468 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.076 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.601 W/kg
SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.449 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.076 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.387 W/kg
SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.295 mW/g



0 dB = 0.300mW/g

#83 LTE Band 12_QPSK(25 13)_10M_Horizontal Down_0.5cm_Ch23095

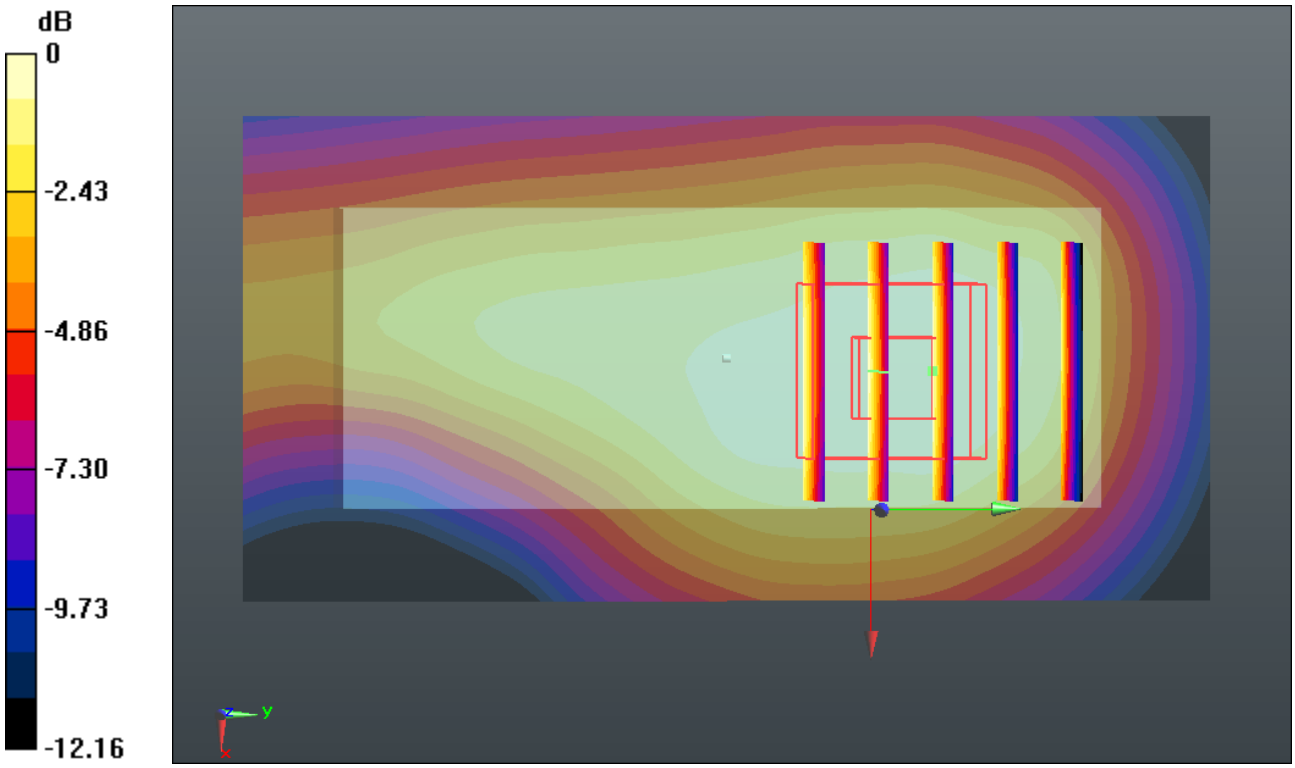
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.696 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.326 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.900 W/kg
SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.452 mW/g
Maximum value of SAR (measured) = 0.682 mW/g



0 dB = 0.680mW/g

#84 LTE Band 12_QPSK(25 13)_10M_Vertical Front_0.5cm_Ch23095

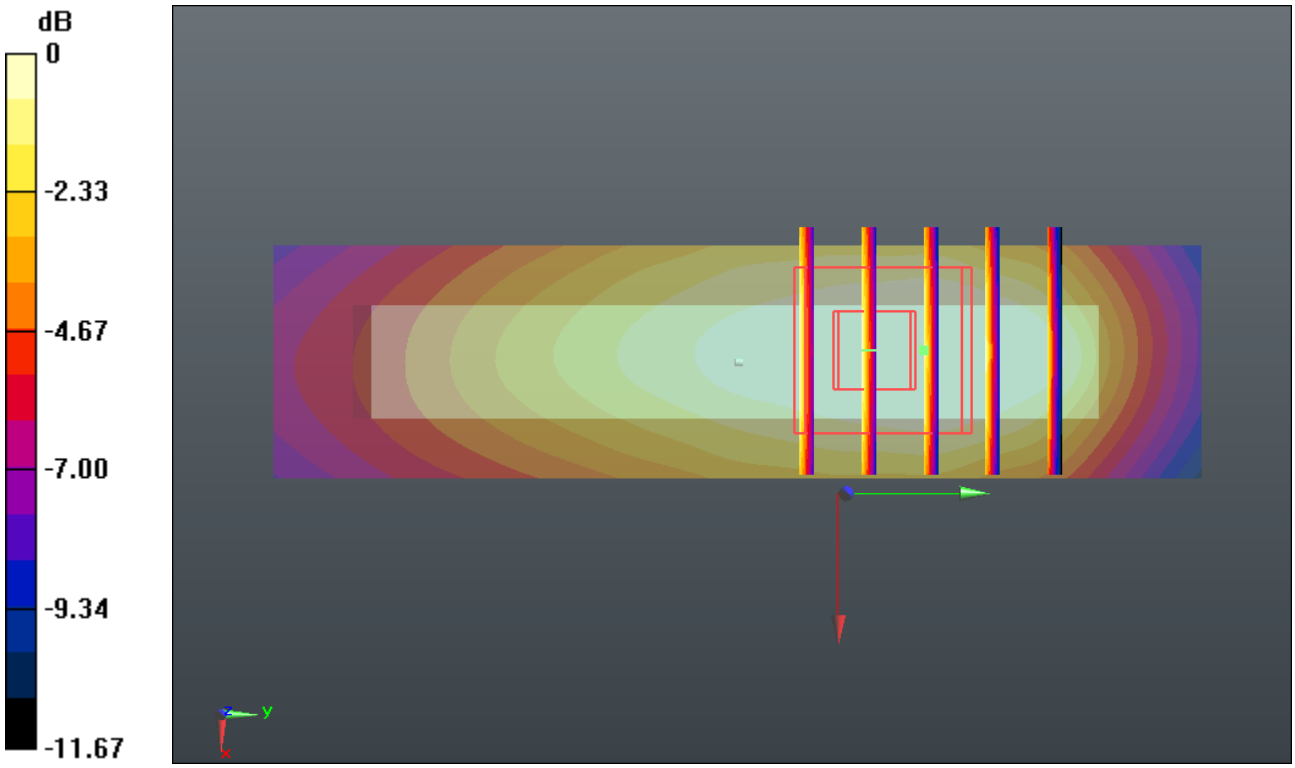
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.486 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.992 V/m; Power Drift = 0.00099 dB
Peak SAR (extrapolated) = 0.604 W/kg
SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 0.452 mW/g



0 dB = 0.450mW/g

#85 LTE Band 12_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23095

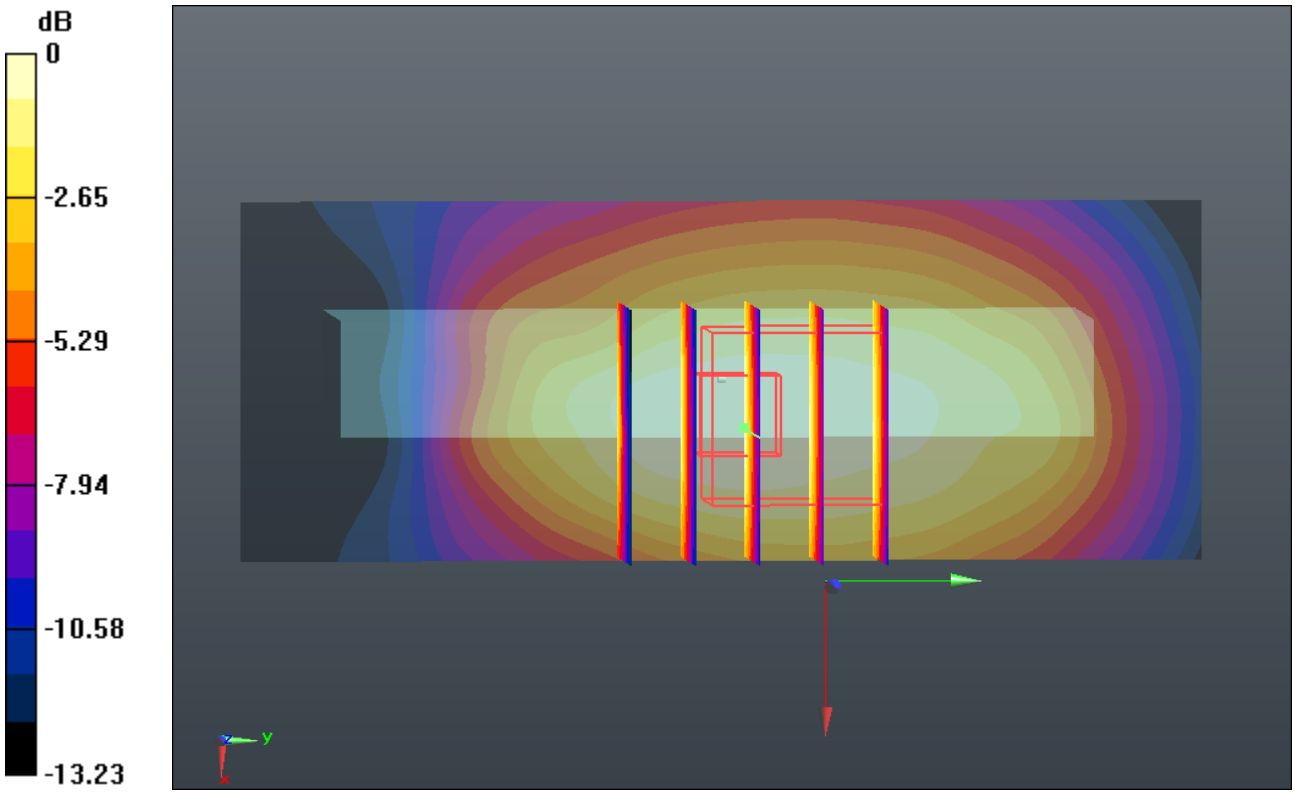
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.824 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.284 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.303 W/kg
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.801 mW/g



0 dB = 0.800mW/g

#85 LTE Band 12_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23095_2D

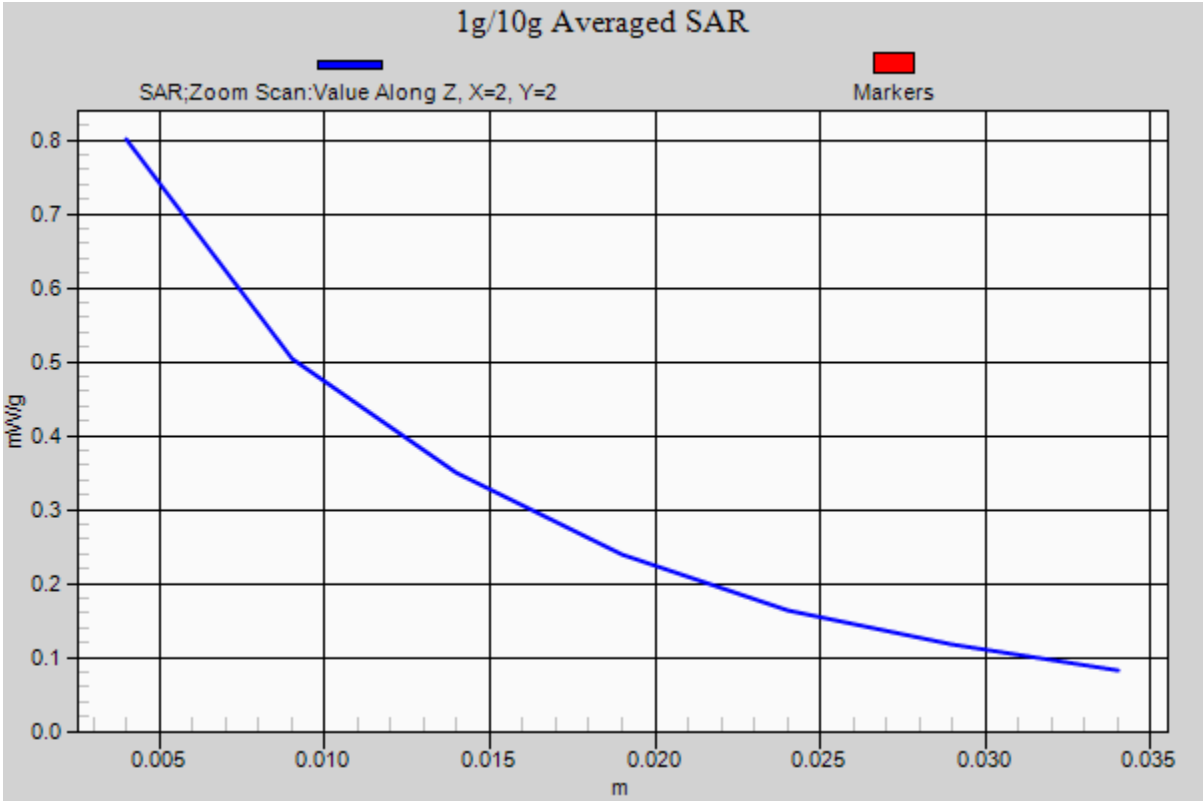
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used (interpolated): f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.824 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.284 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.303 W/kg
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.801 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#86 LTE Band 12_QPSK(25 13)_10M_Tip Mode_0.5cm_Ch23095

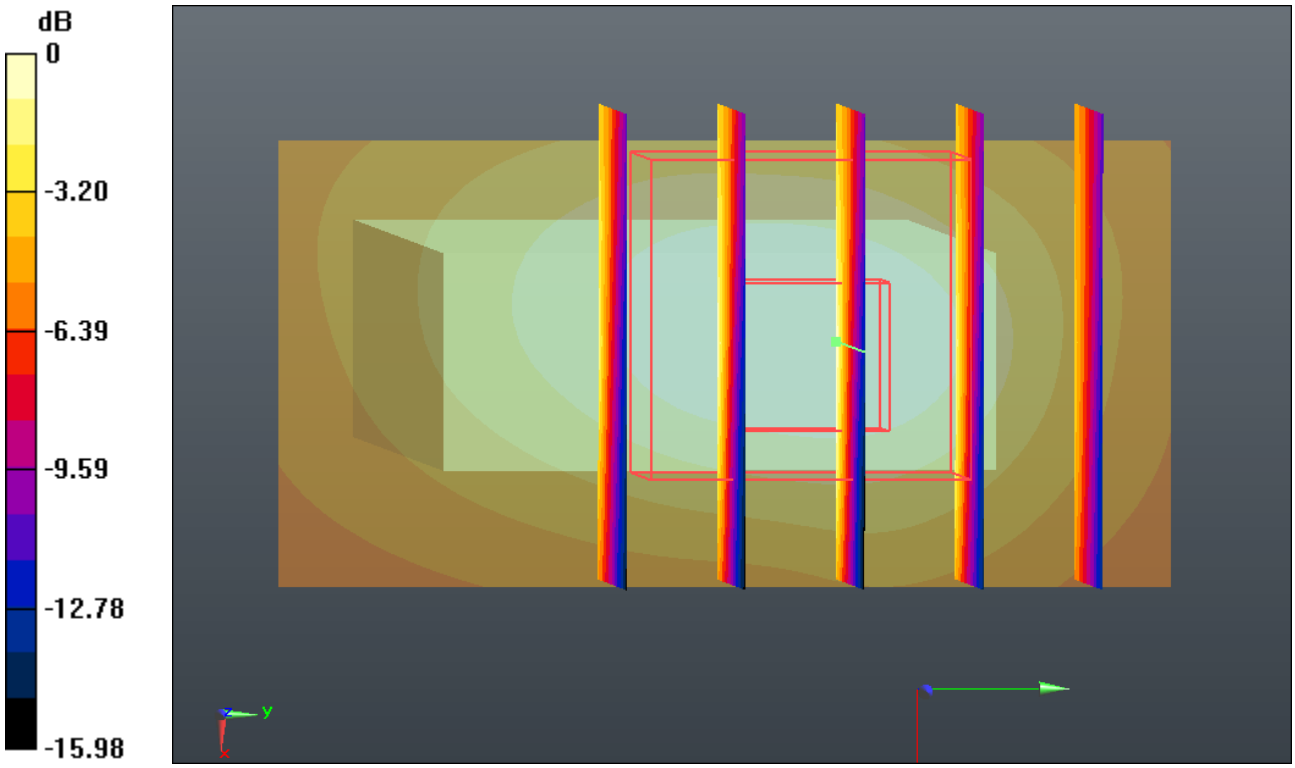
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.159 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.494 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.284 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.153 mW/g



0 dB = 0.150mW/g

#87 LTE Band 12_QPSK(1 0)_10M_Horizontal Up_0.5cm_Ch23095

DUT: 1D3102

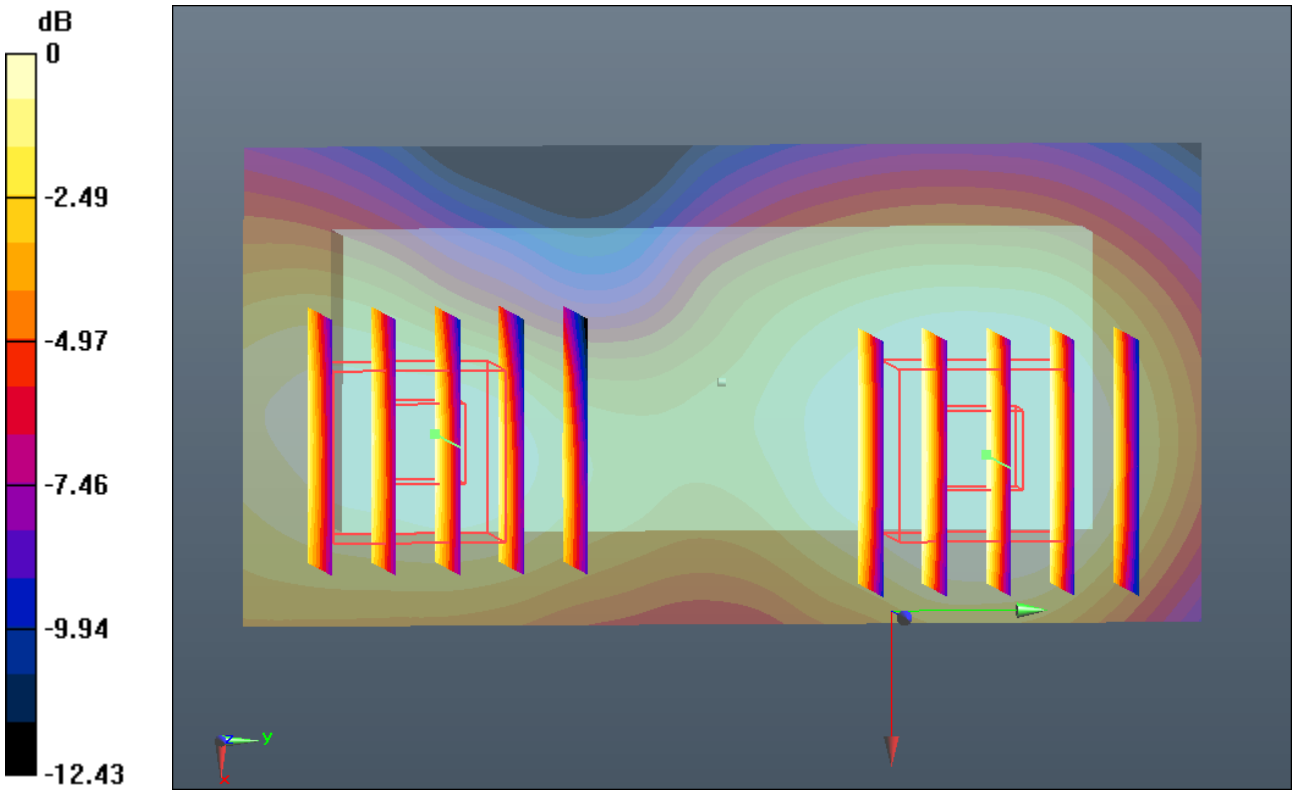
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.742 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.083 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.946 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.431 mW/g
Maximum value of SAR (measured) = 0.713 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.083 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.703 W/kg
SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.341 mW/g
Maximum value of SAR (measured) = 0.531 mW/g



0 dB = 0.530mW/g

#88 LTE Band 12_QPSK(1 0)_10M_Horizontal Down_0.5cm_Ch23095

DUT: 1D3102

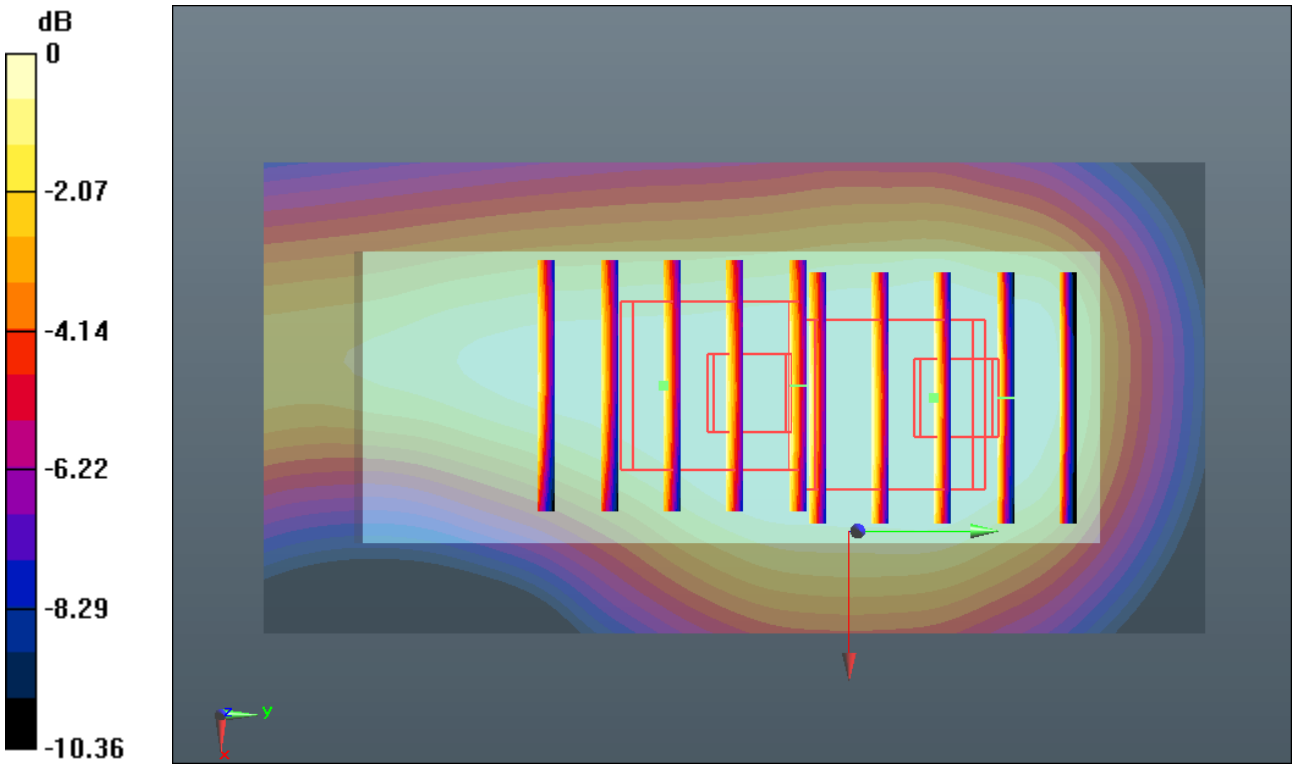
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.829 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.026 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 1.212 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.511 mW/g
Maximum value of SAR (measured) = 0.765 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.026 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 0.908 W/kg
SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.468 mW/g
Maximum value of SAR (measured) = 0.686 mW/g



0 dB = 0.690mW/g

#89 LTE Band 12_QPSK(1 0)_10M_Vertical Front_0.5cm_Ch23095

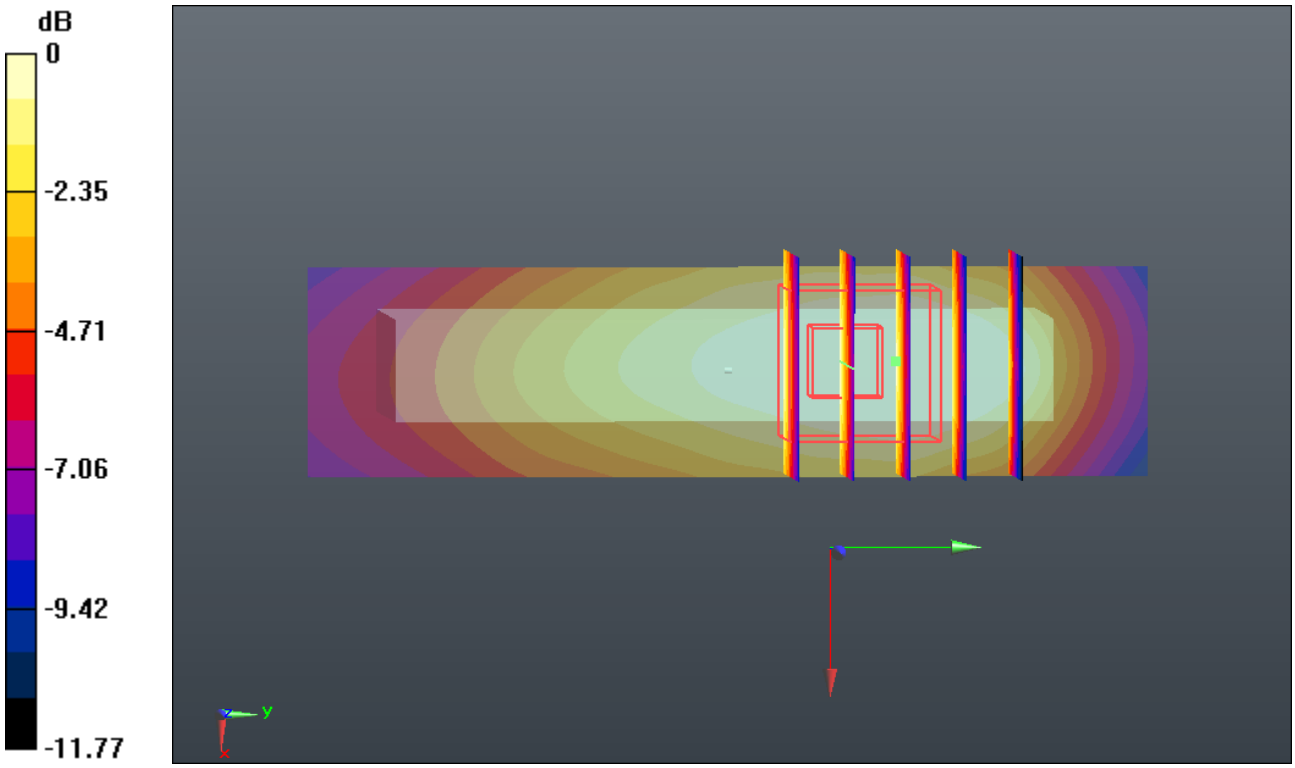
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.712 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.077 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.871 W/kg
SAR(1 g) = 0.602 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.652 mW/g



0 dB = 0.650mW/g

#90 LTE Band 12_QPSK(1 0)_10M_Vertical Back_0.5cm_Ch23095

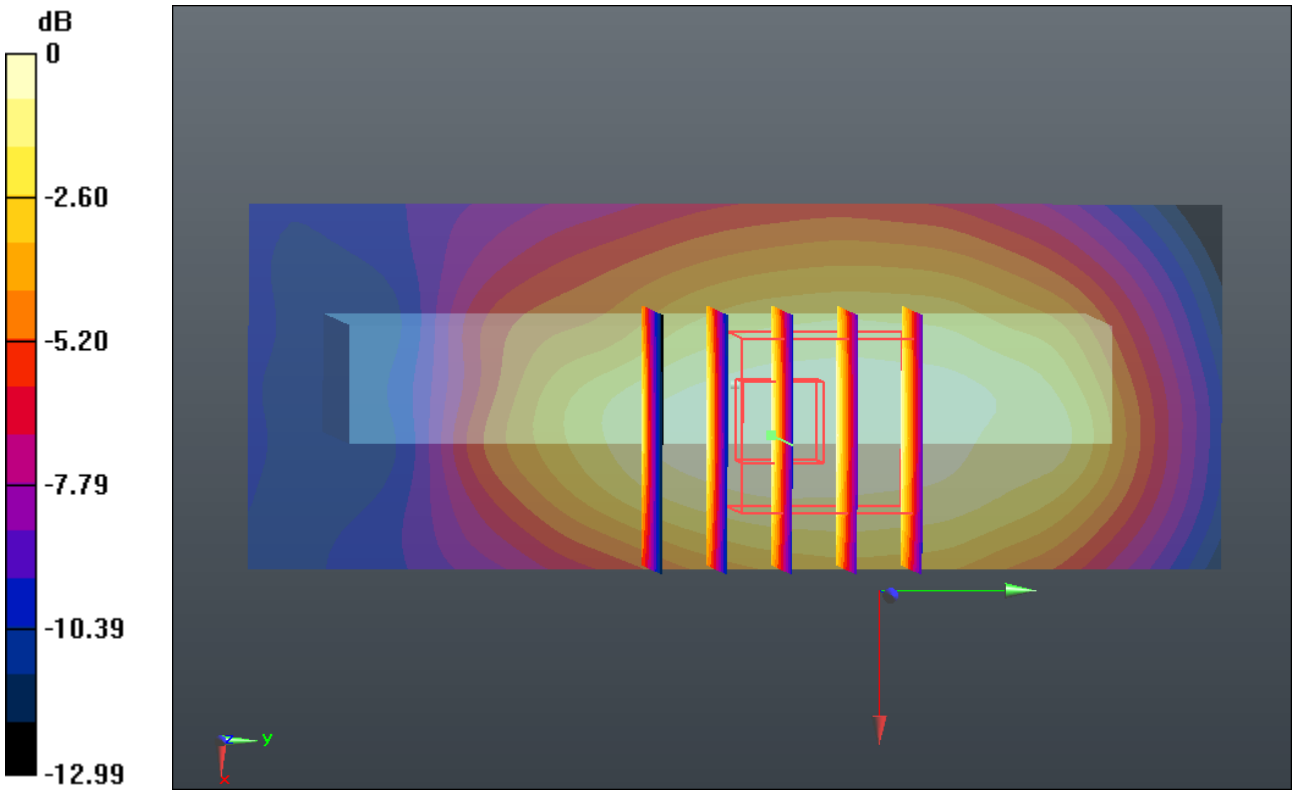
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.000 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.446 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.523 W/kg
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.590 mW/g
Maximum value of SAR (measured) = 0.977 mW/g



0 dB = 0.980mW/g

#90 LTE Band 12_QPSK(1 0)_10M_Vertical Back_0.5cm_Ch23095_2D

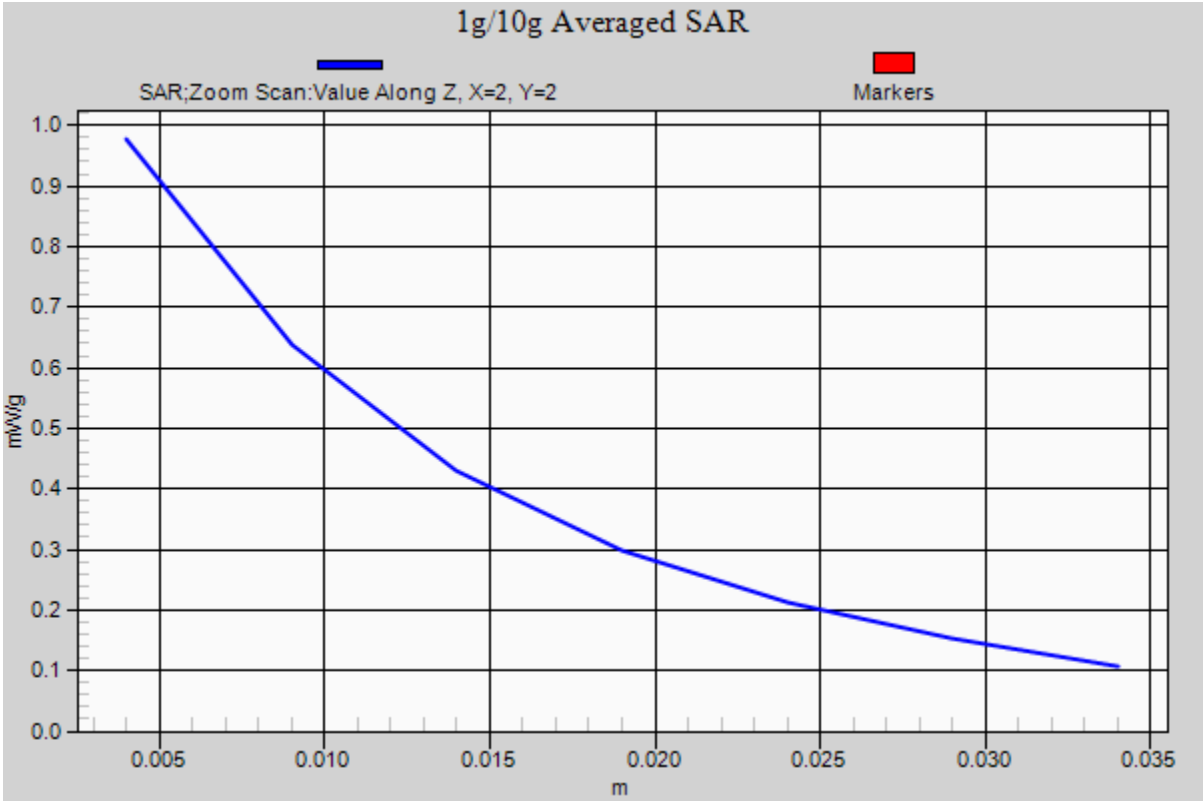
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.000 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.446 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 1.523 W/kg
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.590 mW/g
Maximum value of SAR (measured) = 0.977 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#91 LTE Band 12_QPSK(1 0)_10M_Tip Mode_0.5cm_Ch23095

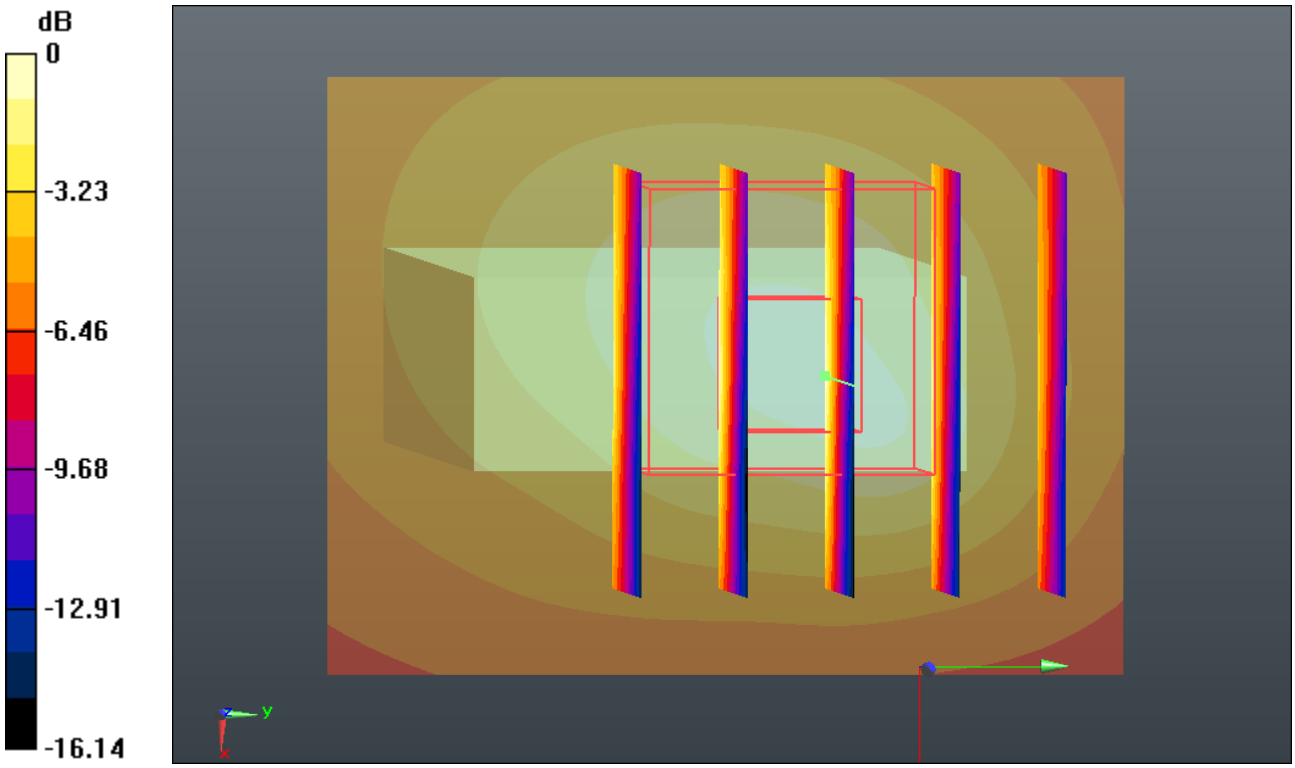
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.148 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.196 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.170 mW/g



0 dB = 0.170mW/g

#92 LTE Band 12_QPSK(1 49)_10M_Horizontal Up_0.5cm_Ch23095

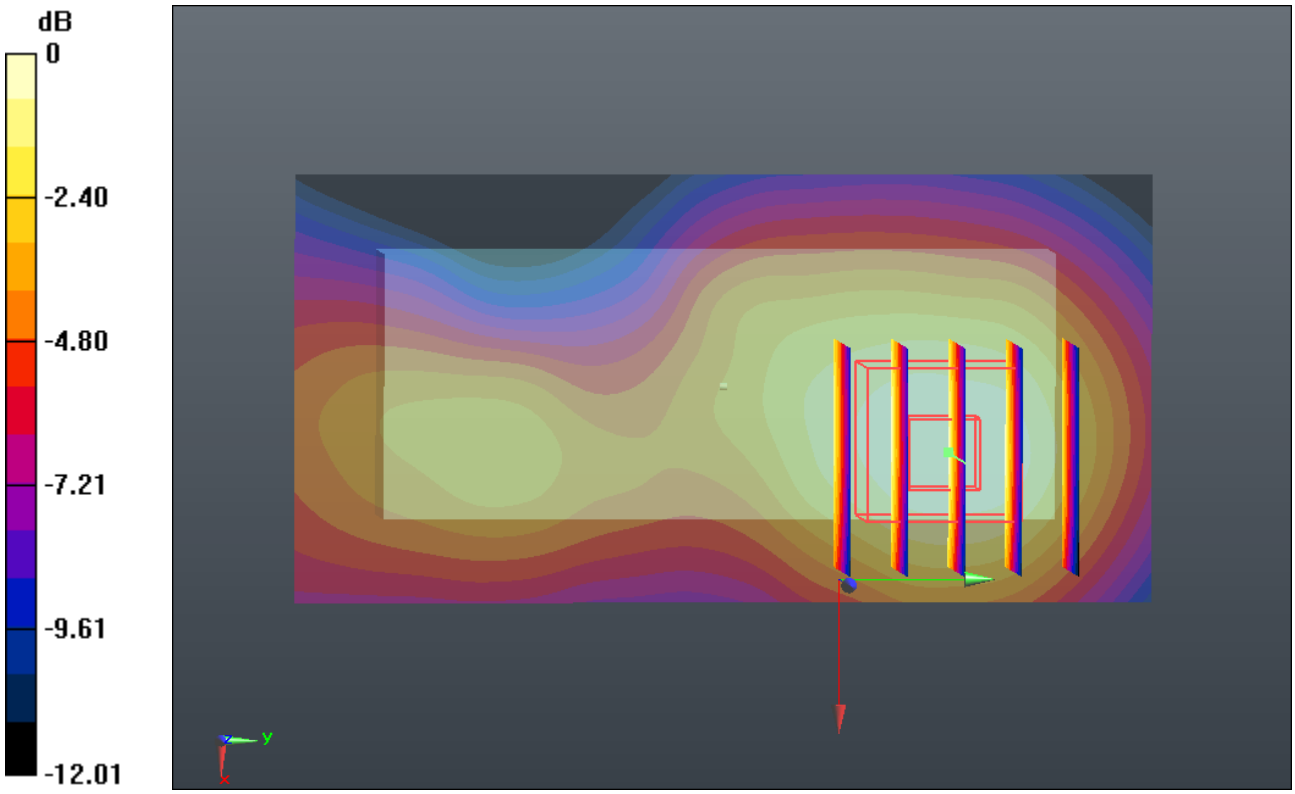
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 707.5 MHz; σ = 0.93 mho/m; ε_r = 54.88; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.670 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.867 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.840 W/kg
SAR(1 g) = 0.604 mW/g; SAR(10 g) = 0.402 mW/g
Maximum value of SAR (measured) = 0.658 mW/g



0 dB = 0.660mW/g

#93 LTE Band 12_QPSK(1 49)_10M_Horizontal Down_0.5cm_Ch23095

DUT: 1D3102

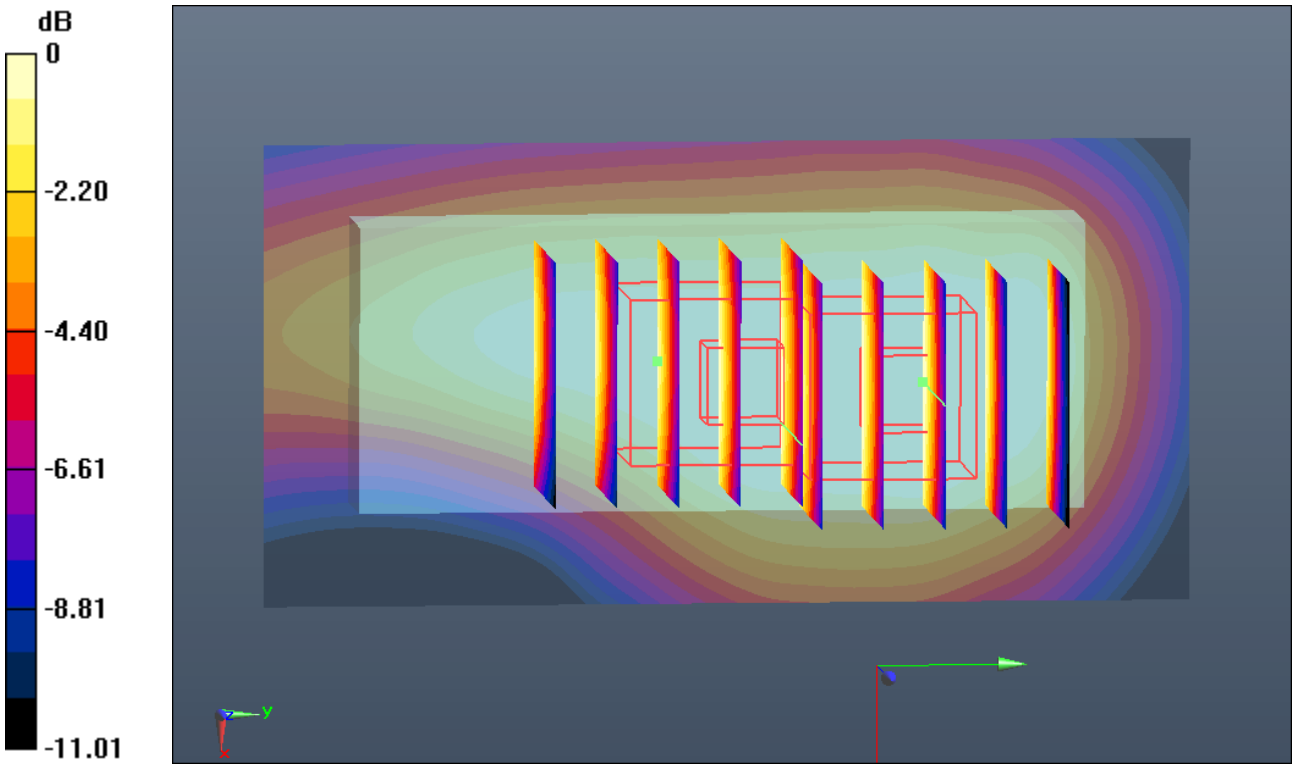
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.762 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.688 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.966 W/kg
SAR(1 g) = 0.692 mW/g; SAR(10 g) = 0.495 mW/g
Maximum value of SAR (measured) = 0.731 mW/g

Configuration/Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.688 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.872 W/kg
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 0.684 mW/g



0 dB = 0.680mW/g

#94 LTE Band 12_QPSK(1 49)_10M_Vertical Front_0.5cm_Ch23095

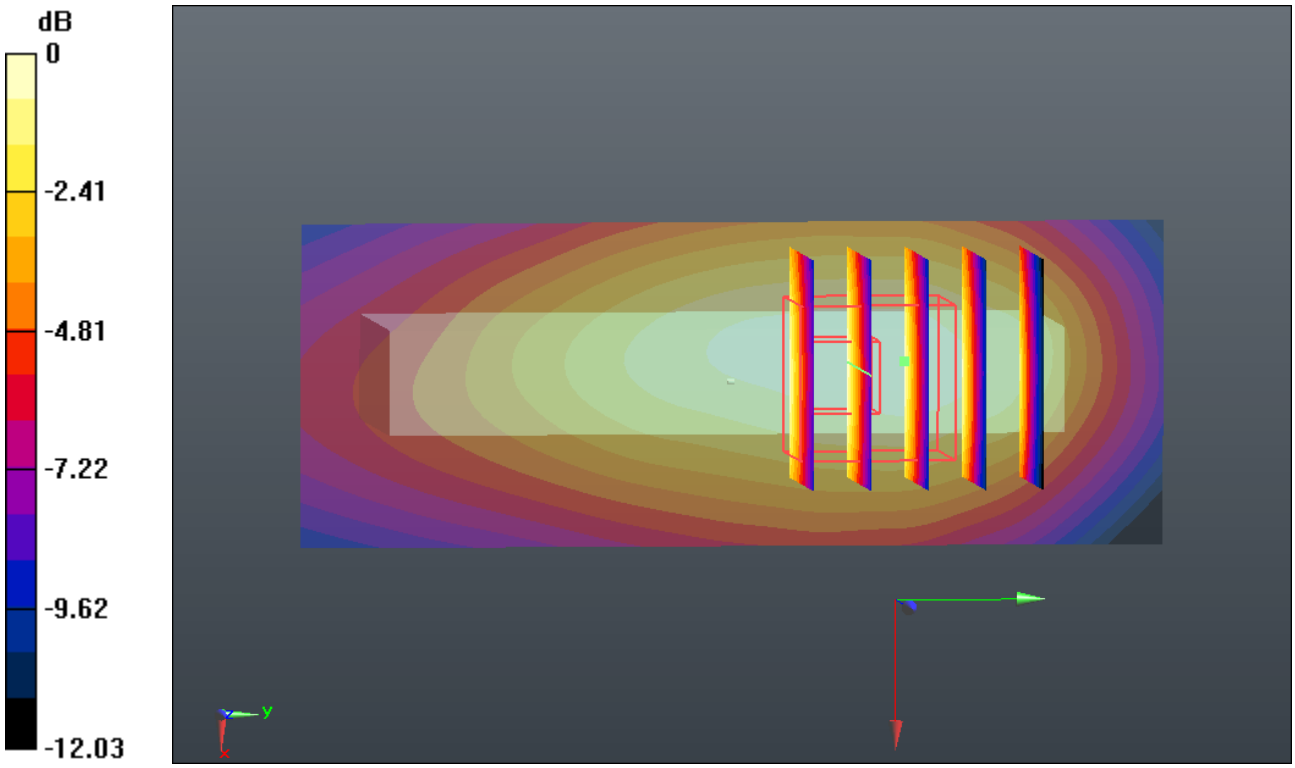
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.544 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.795 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.356 mW/g
Maximum value of SAR (measured) = 0.570 mW/g



0 dB = 0.570mW/g

#95 LTE Band 12_QPSK(1 49)_10M_Vertical Back_0.5cm_Ch23095

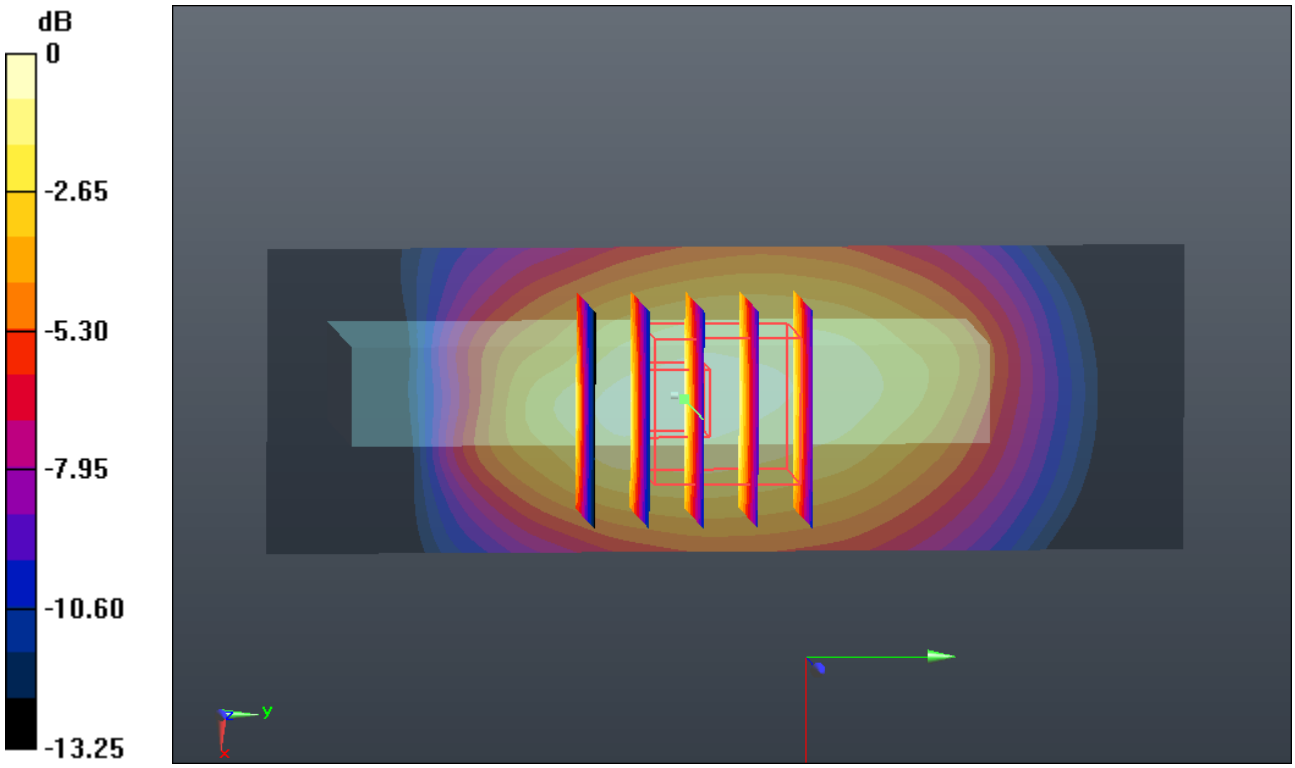
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.101 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.600 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.017 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.665 mW/g
Maximum value of SAR (measured) = 1.207 mW/g



0 dB = 1.210mW/g

#95 LTE Band 12_QPSK(1 49)_10M_Vertical Back_0.5cm_Ch23095_2D

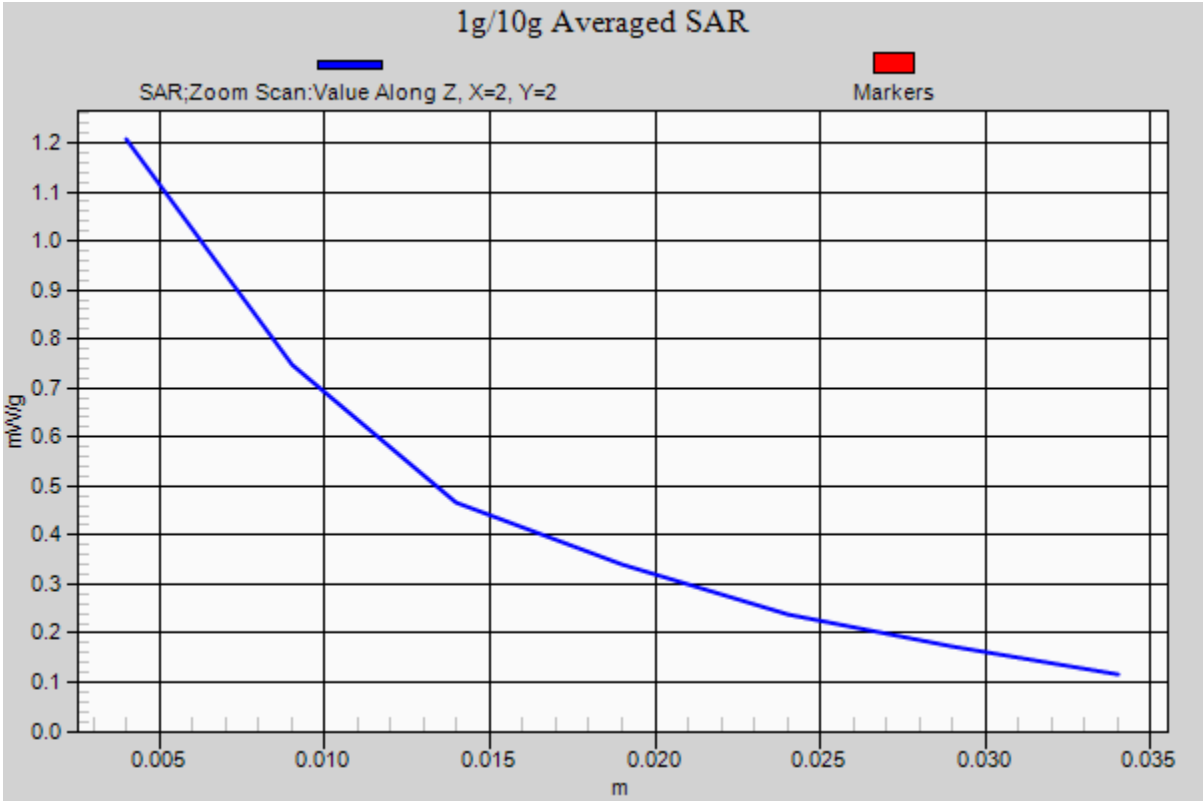
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.101 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 36.600 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.017 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.665 mW/g
Maximum value of SAR (measured) = 1.207 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
0.035
m

#96 LTE Band 12_QPSK(1 49)_10M_Tip Mode_0.5cm_Ch23095

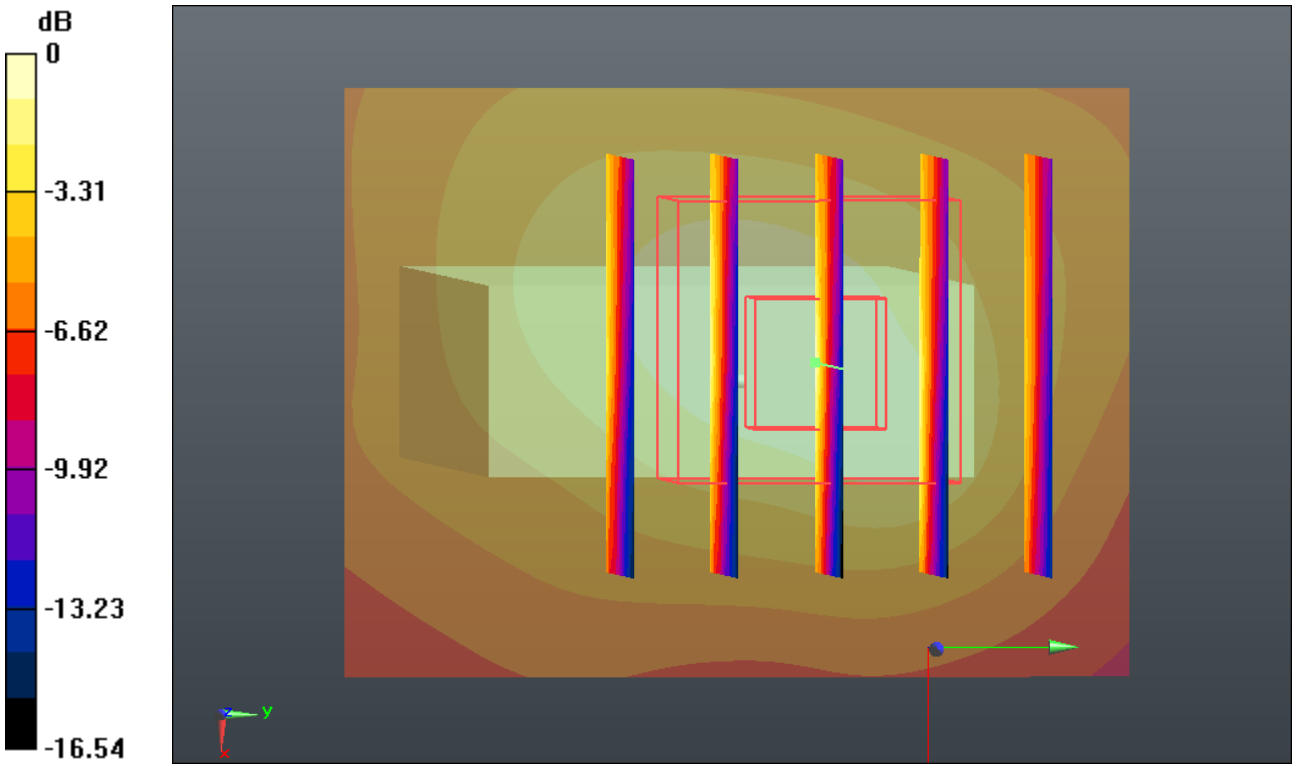
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.112 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.968 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.150mW/g

#97 LTE Band 12_16QAM(25 13)_10M_Horizontal Up_0.5cm_Ch23095

DUT: 1D3102

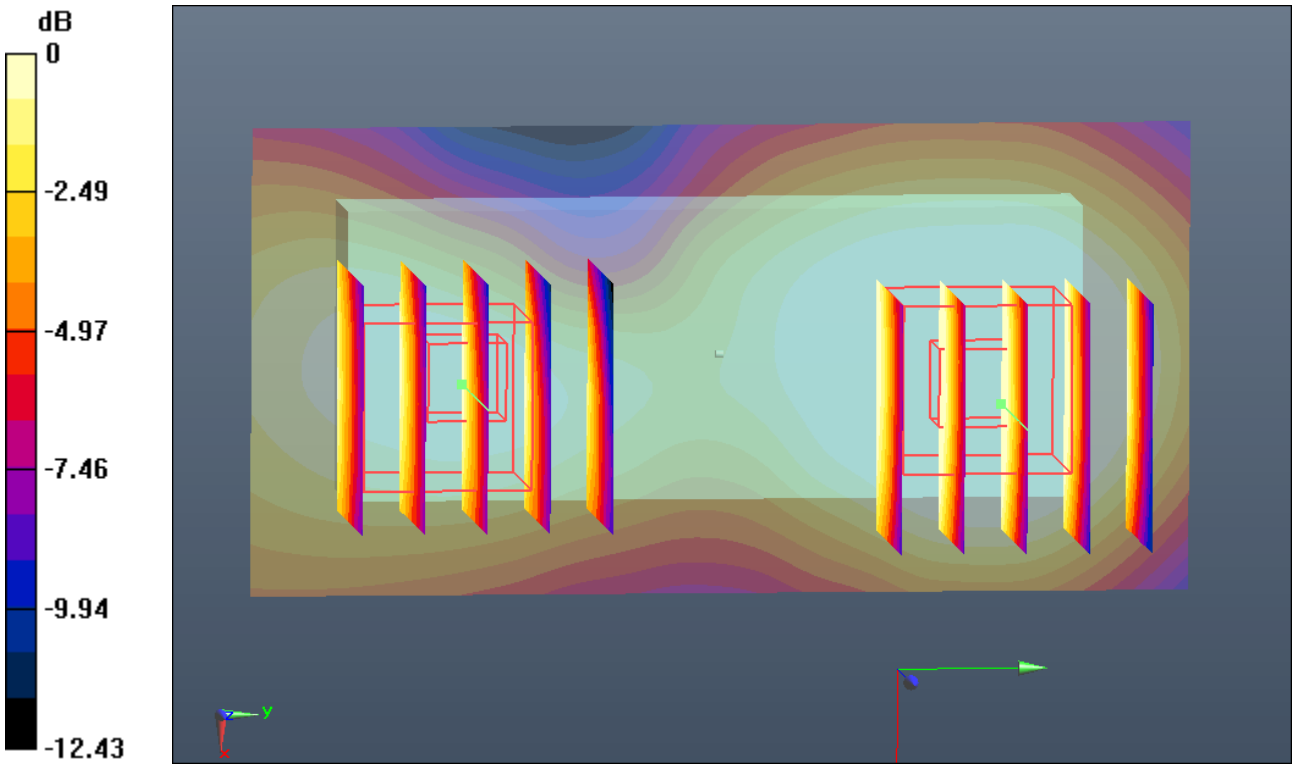
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.503 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.292 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.686 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.292 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.412 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.197 mW/g
Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.310mW/g

#98 LTE Band 12_16QAM(25 13)_10M_Horizontal Down_0.5cm_Ch23095

DUT: 1D3102

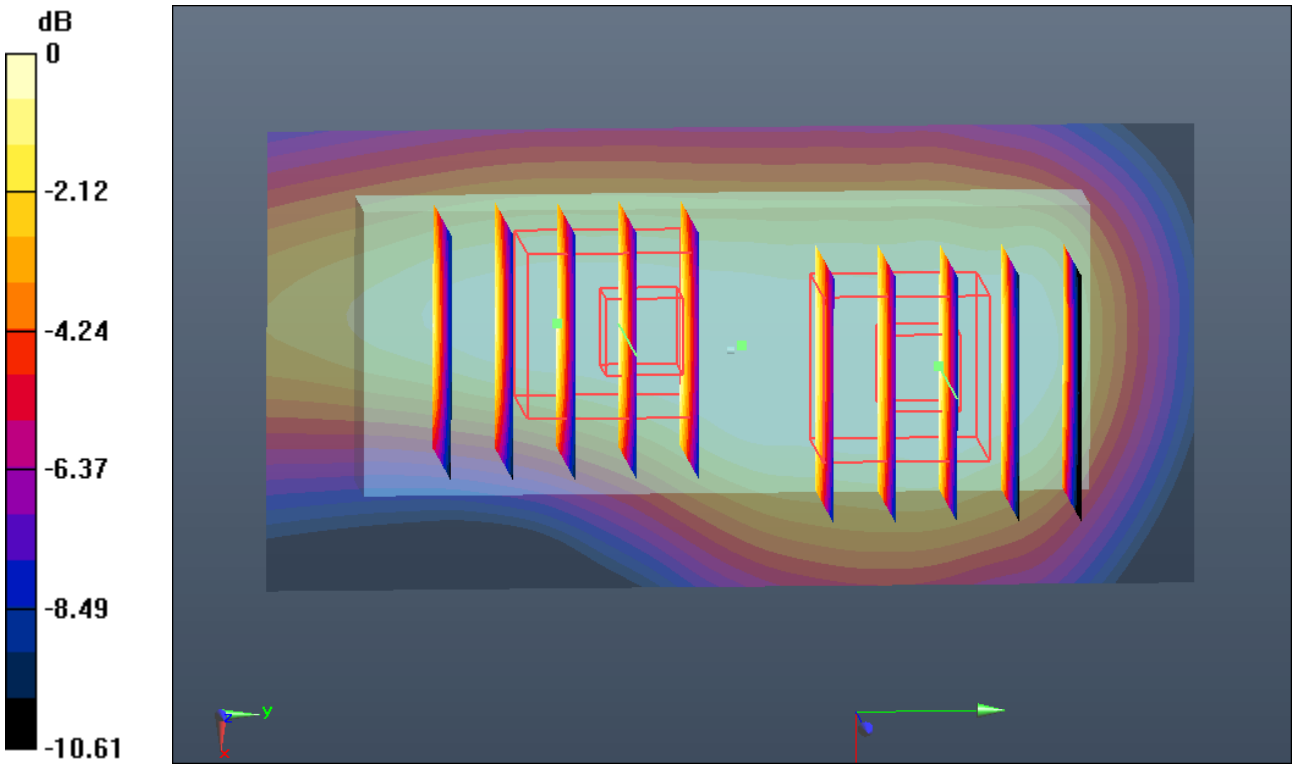
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.711 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.091 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.919 W/kg
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.468 mW/g
Maximum value of SAR (measured) = 0.694 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.091 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.895 W/kg
SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.450 mW/g



0 dB = 0.690mW/g

#99 LTE Band 12_16QAM(25 13)_10M_Vertical Front_0.5cm_Ch23095

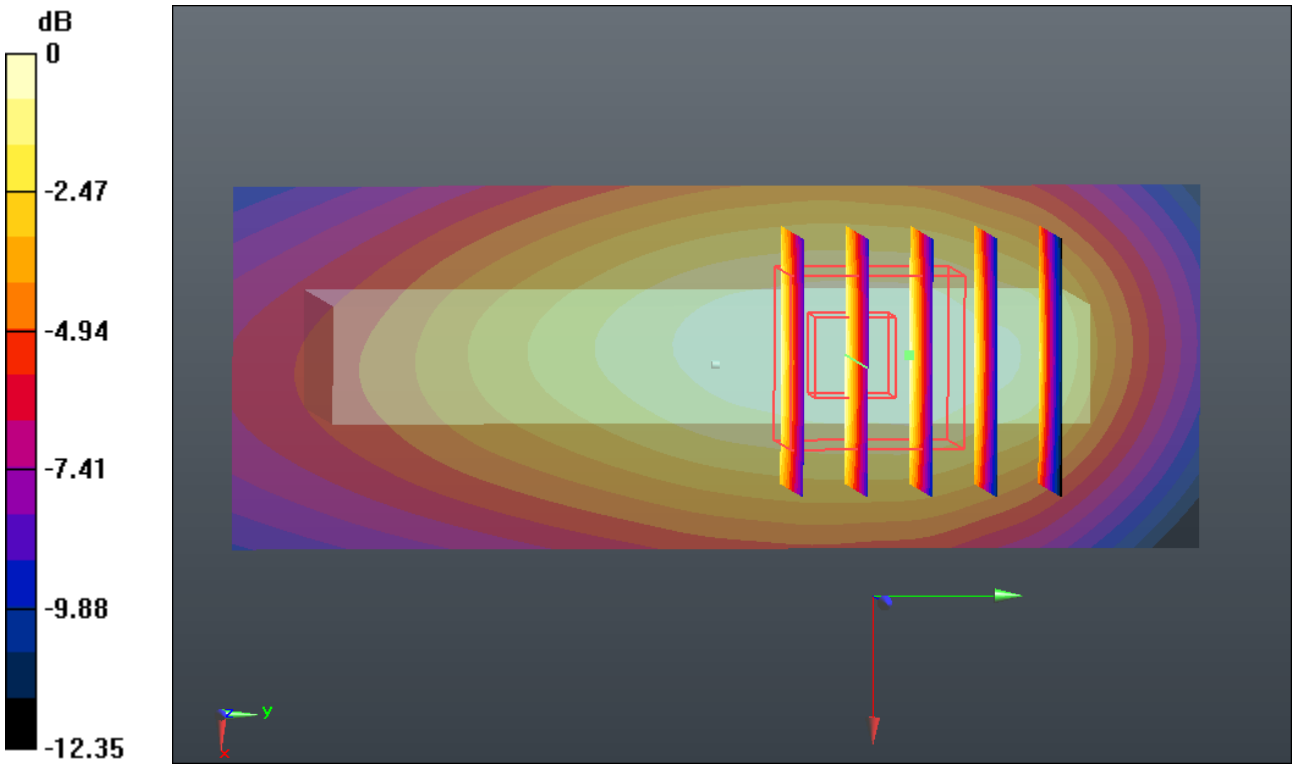
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.453 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.860 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.611 W/kg
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.282 mW/g.
Maximum value of SAR (measured) = 0.451 mW/g



0 dB = 0.450mW/g

#100 LTE Band 12_16QAM(25 13)_10M_Vertical Back_0.5cm_Ch23095

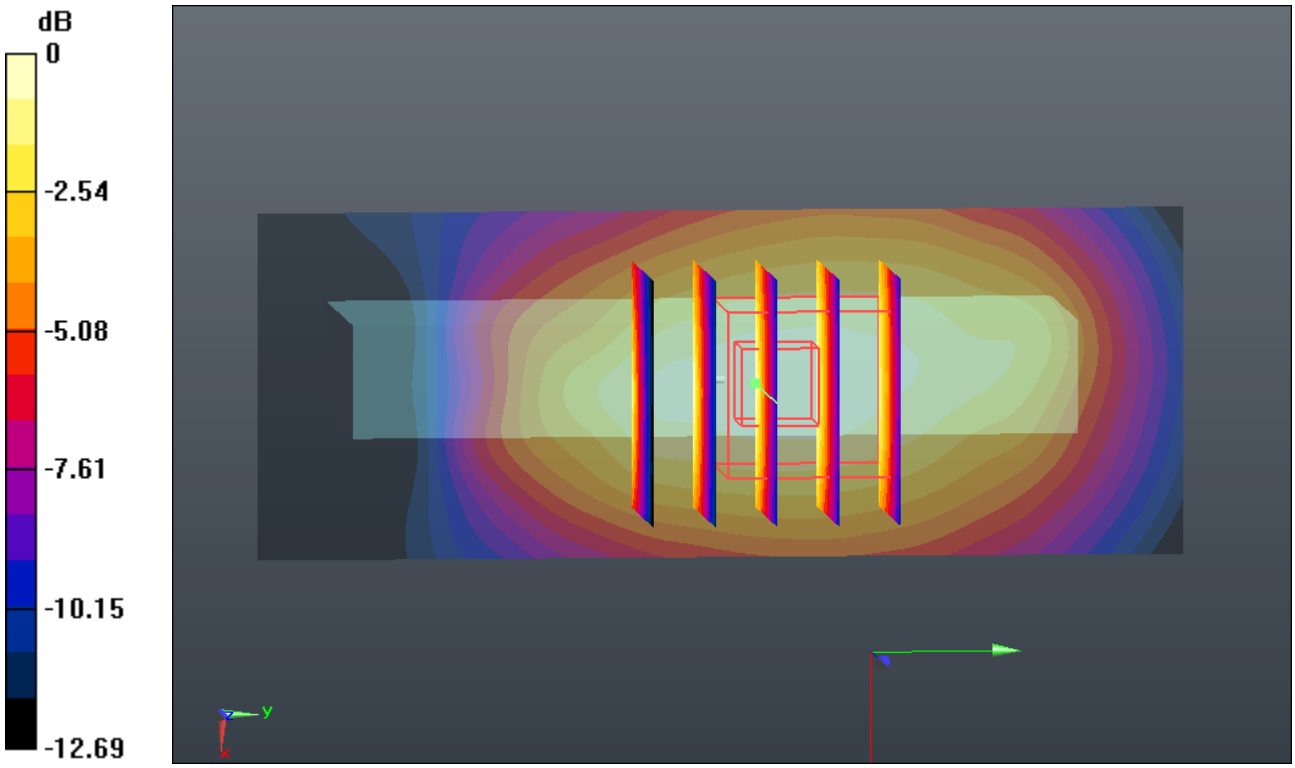
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.802 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.447 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.369 W/kg
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 0.857 mW/g



0 dB = 0.860mW/g

#100 LTE Band 12_16QAM(25 13)_10M_Vertical Back_0.5cm_Ch23095_2D

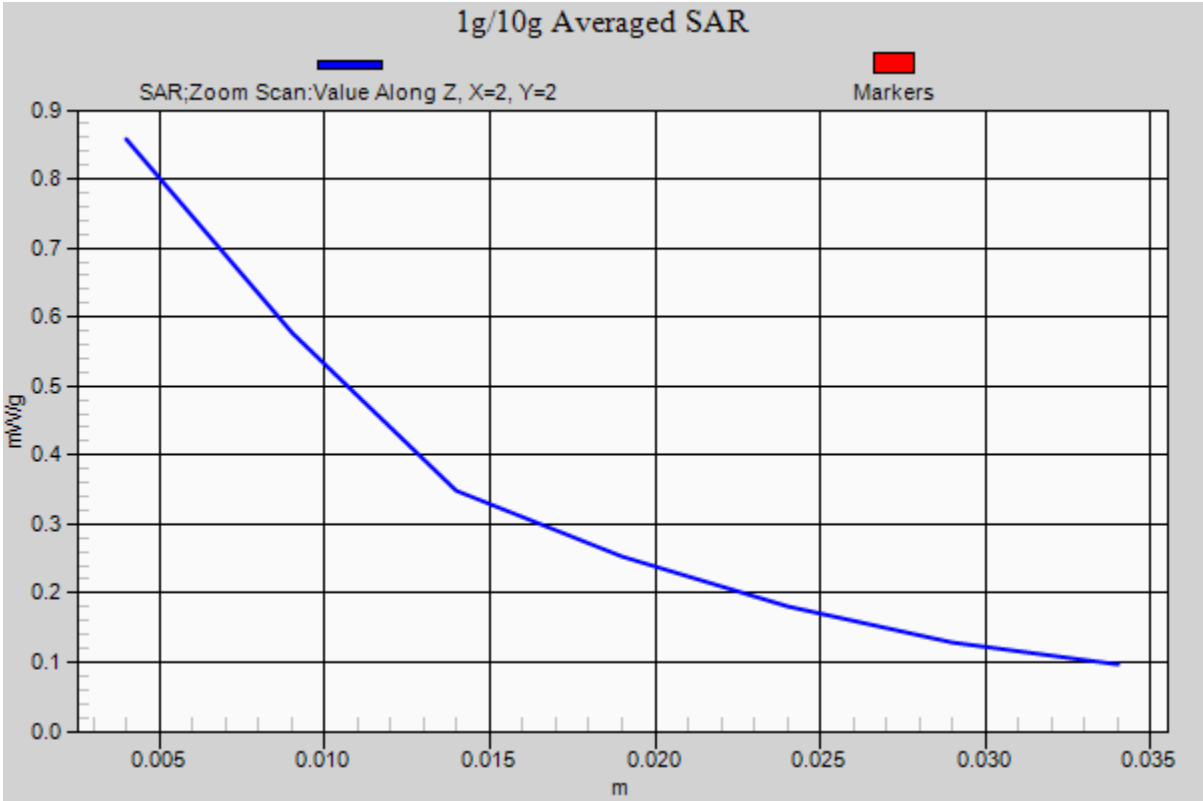
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.802 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.447 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.369 W/kg
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 0.857 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#101 LTE Band 12_16QAM(25 13)_10M_Tip Mode_0.5cm_Ch23095

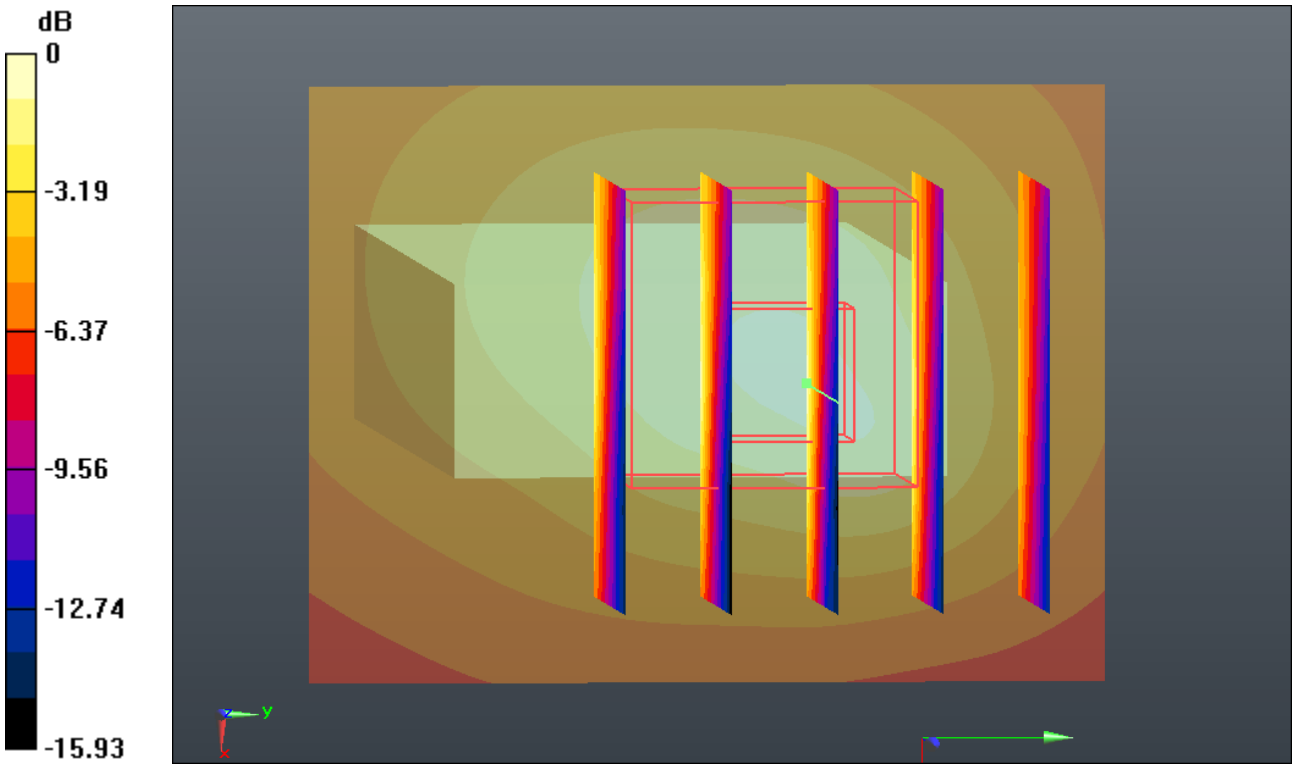
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.141 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.058 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.318 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.079 mW/g.
Maximum value of SAR (measured) = 0.170 mW/g



0 dB = 0.170mW/g

#102 LTE Band 12_16QAM(1 0)_10M_Horizontal Up_0.5cm_Ch23095

DUT: 1D3102

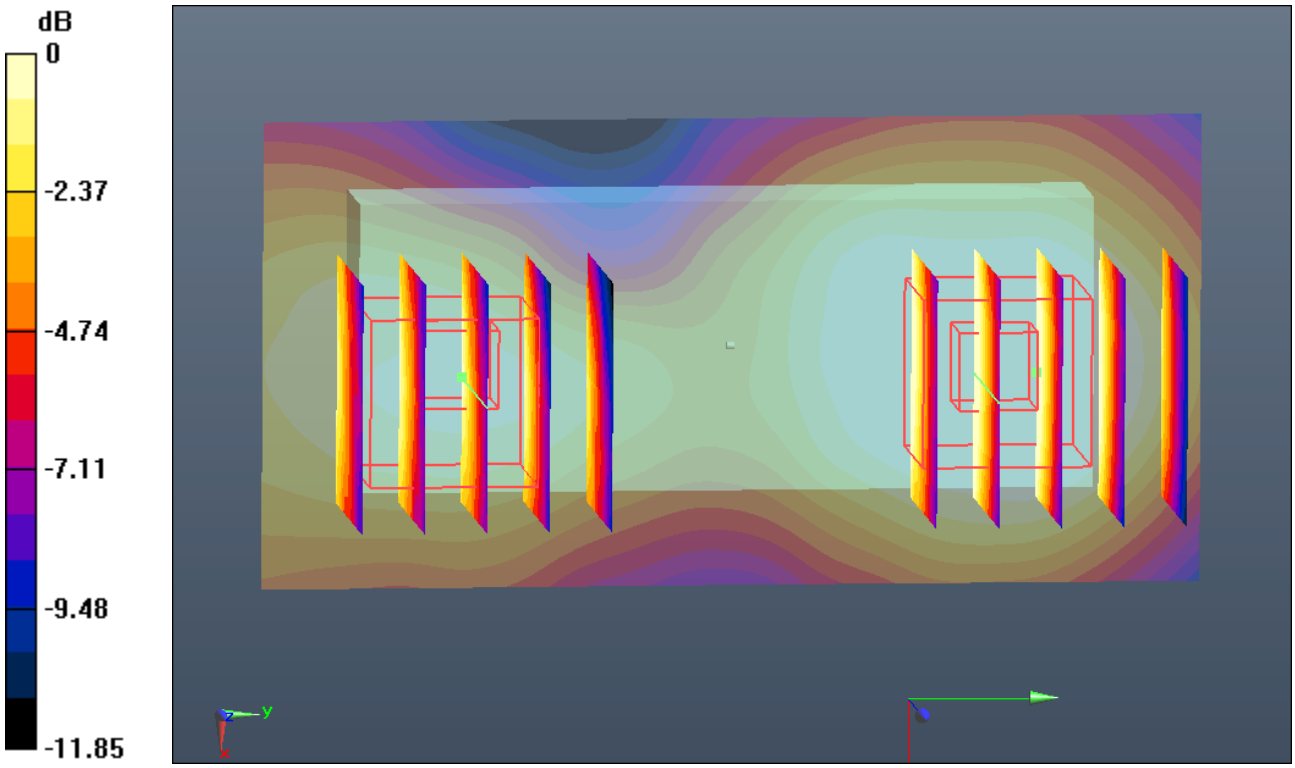
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.778 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.000 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.085 W/kg
SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.499 mW/g
Maximum value of SAR (measured) = 0.789 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.000 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.690 W/kg
SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.337 mW/g
Maximum value of SAR (measured) = 0.551 mW/g



0 dB = 0.550mW/g

#103 LTE Band 12_16QAM(1 0)_10M_Horizontal Down_0.5cm_Ch23095

DUT: 1D3102

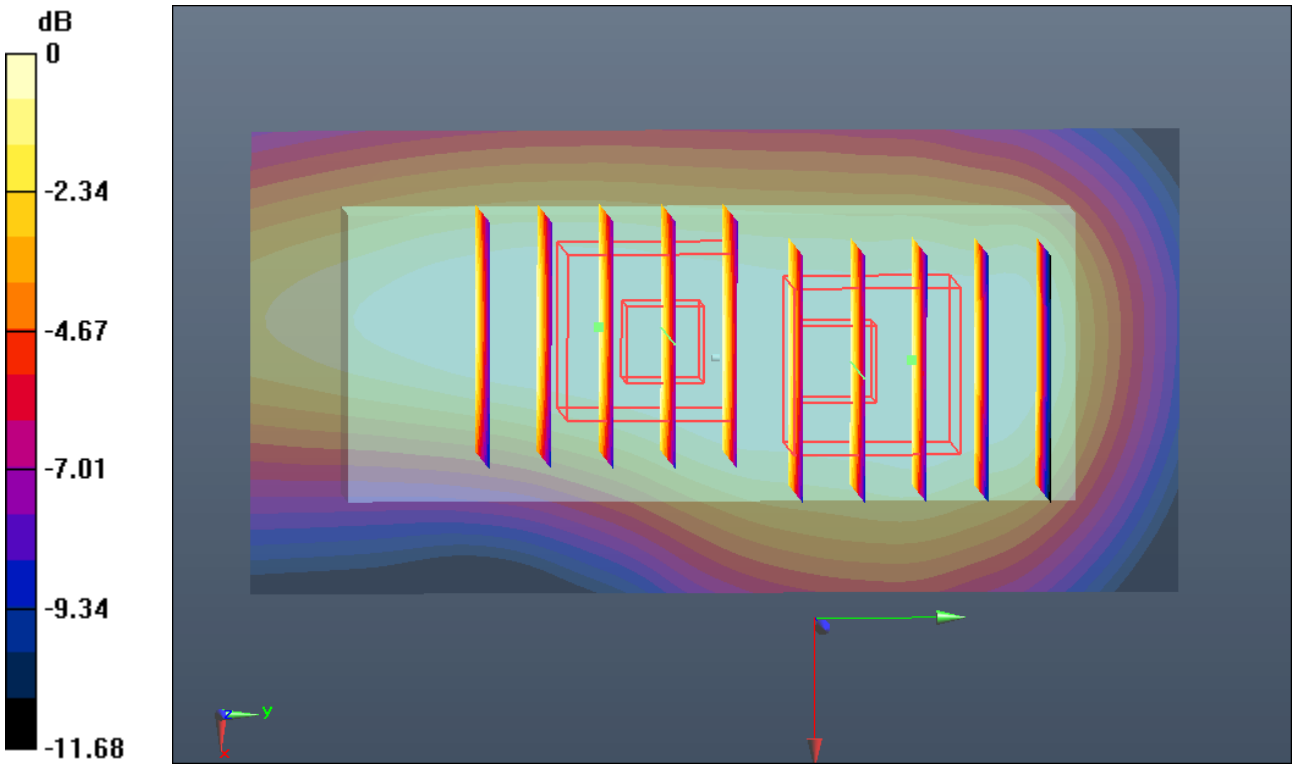
Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.876 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.689 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.077 W/kg
SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.558 mW/g
Maximum value of SAR (measured) = 0.845 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.689 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.038 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.543 mW/g
Maximum value of SAR (measured) = 0.791 mW/g



0 dB = 0.790mW/g

#104 LTE Band 12_16QAM(1 0)_10M_Vertical Front_0.5cm_Ch23095

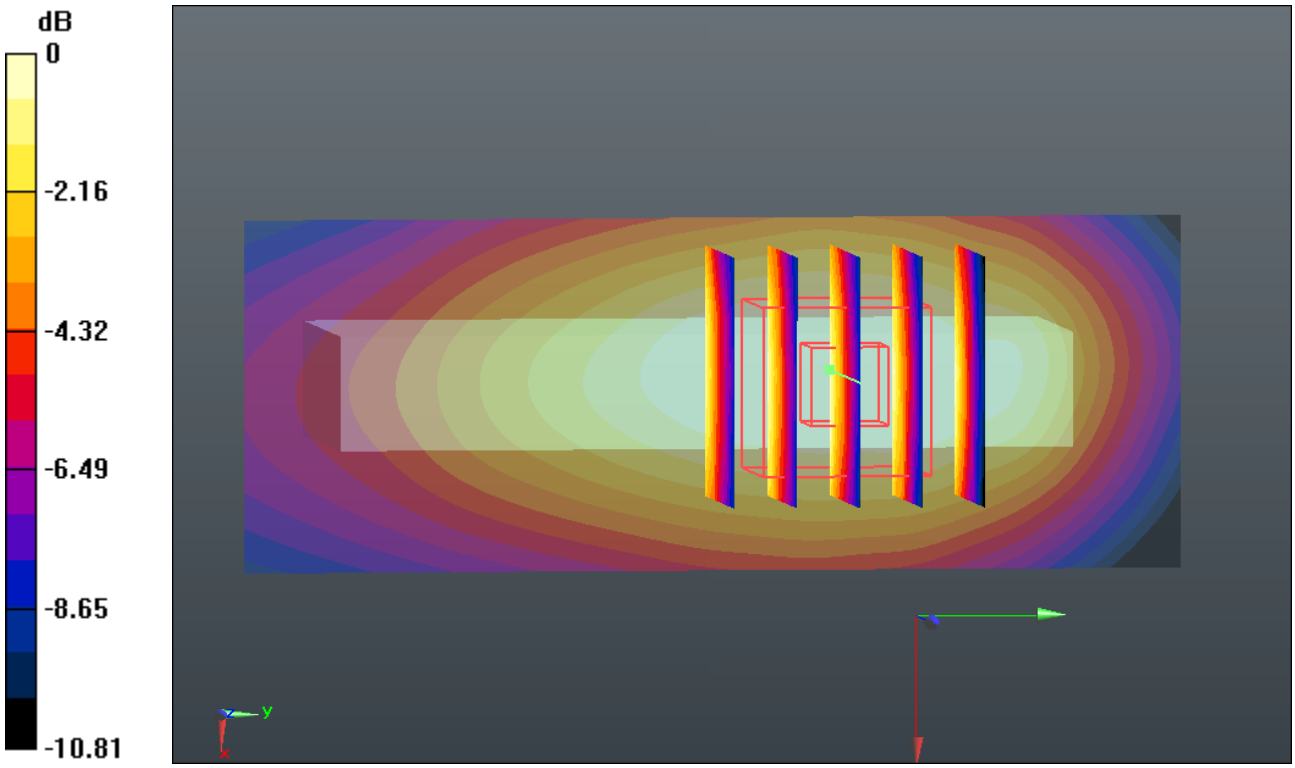
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.687 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.730 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.392 mW/g
Maximum value of SAR (measured) = 0.628 mW/g



0 dB = 0.630mW/g

#105 LTE Band 12_16QAM(1 0)_10M_Vertical Back_0.5cm_Ch23095

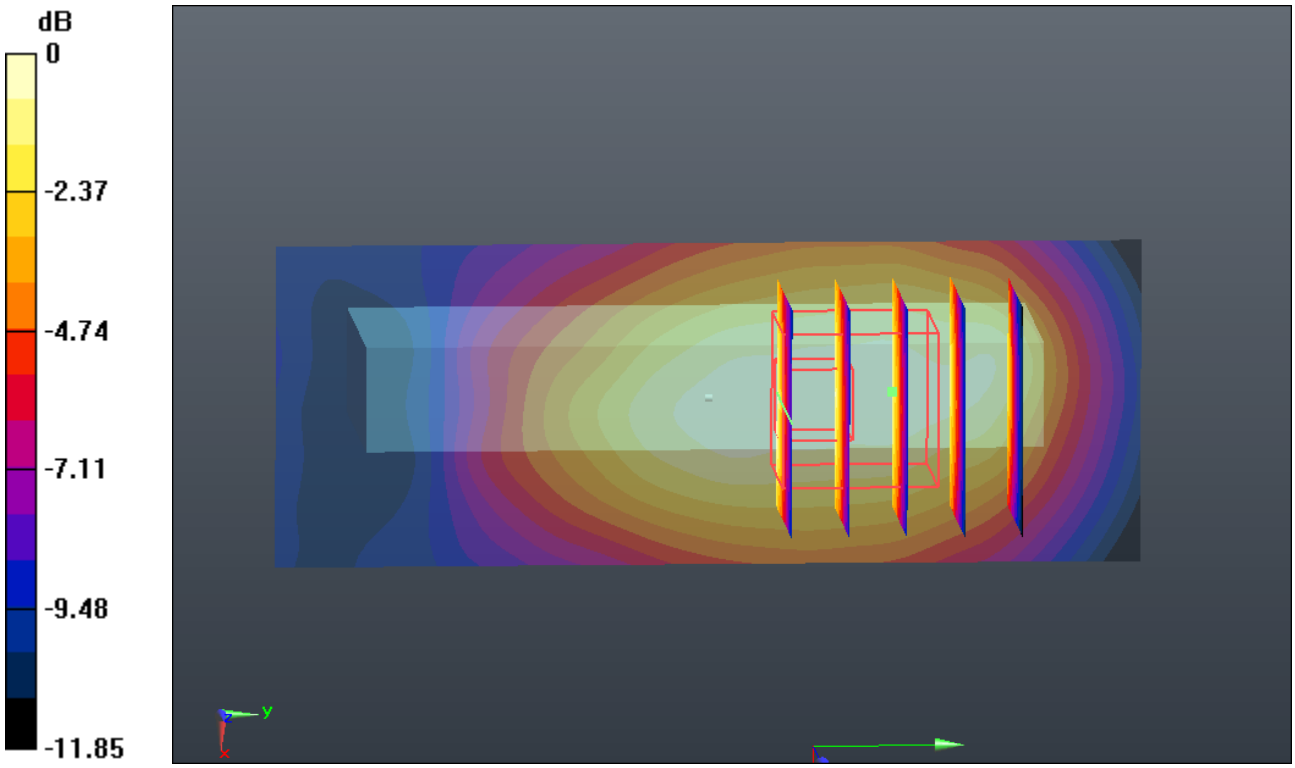
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.992 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.430 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.329 W/kg
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.617 mW/g
Maximum value of SAR (measured) = 1.054 mW/g



0 dB = 1.050mW/g

#105 LTE Band 12_16QAM(1 0)_10M_Vertical Back_0.5cm_Ch23095_2D

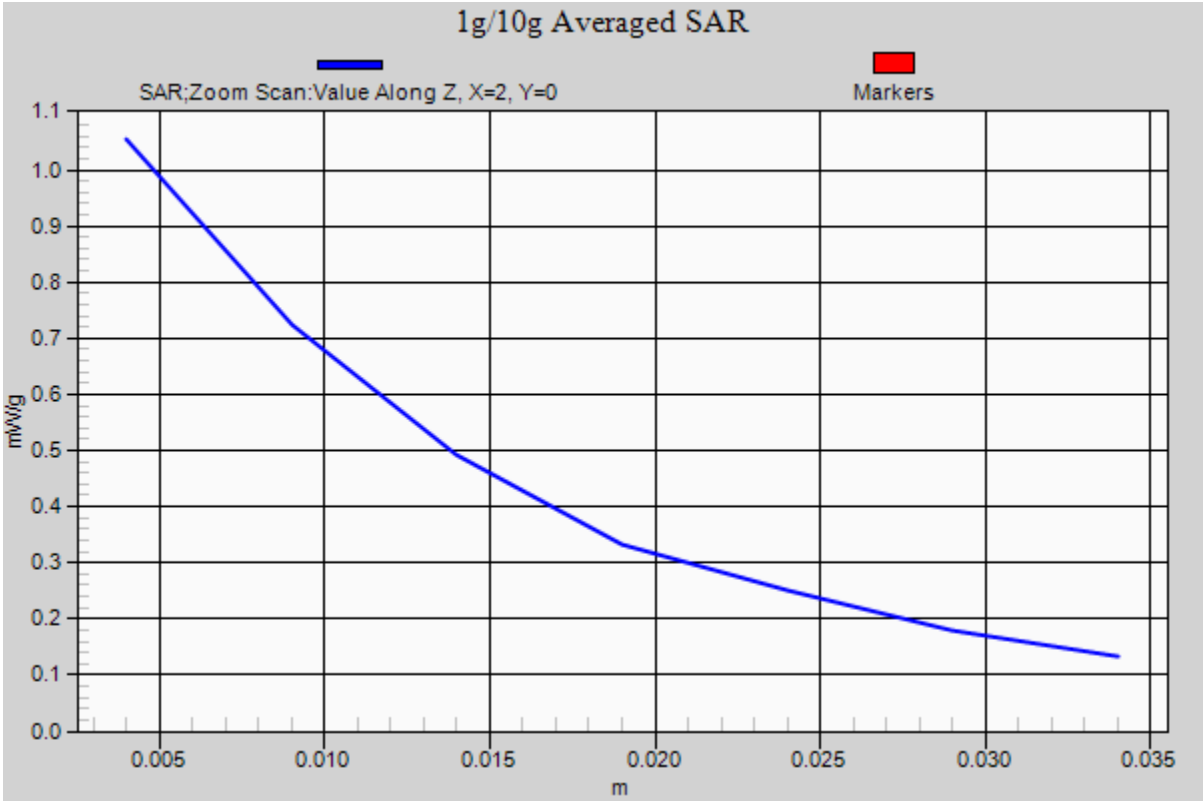
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.992 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.430 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.329 W/kg
SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.617 mW/g
Maximum value of SAR (measured) = 1.054 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=0
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
0.035
m

#106 LTE Band 12_16QAM(1 0)_10M_Tip Mode_0.5cm_Ch23095

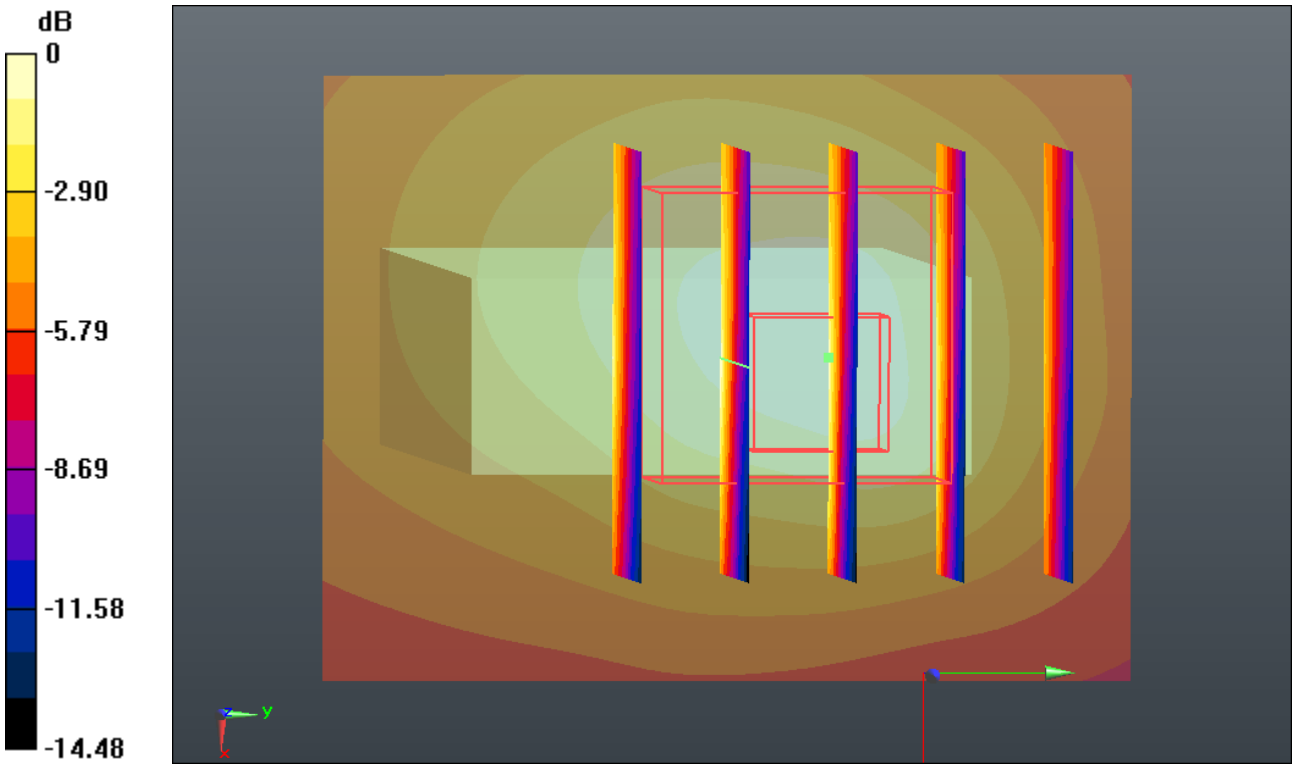
DUT: 1D3102

Communication System: LTE; Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 707.5 MHz; σ = 0.94 mho/m; ε_r = 55.583; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23095/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.160 mW/g

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.915 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 0.330 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.172 mW/g



0 dB = 0.170mW/g

#107 LTE Band 12_16QAM(1 49)_10M_Horizontal Up_0.5cm_Ch23057

DUT: 1D3102

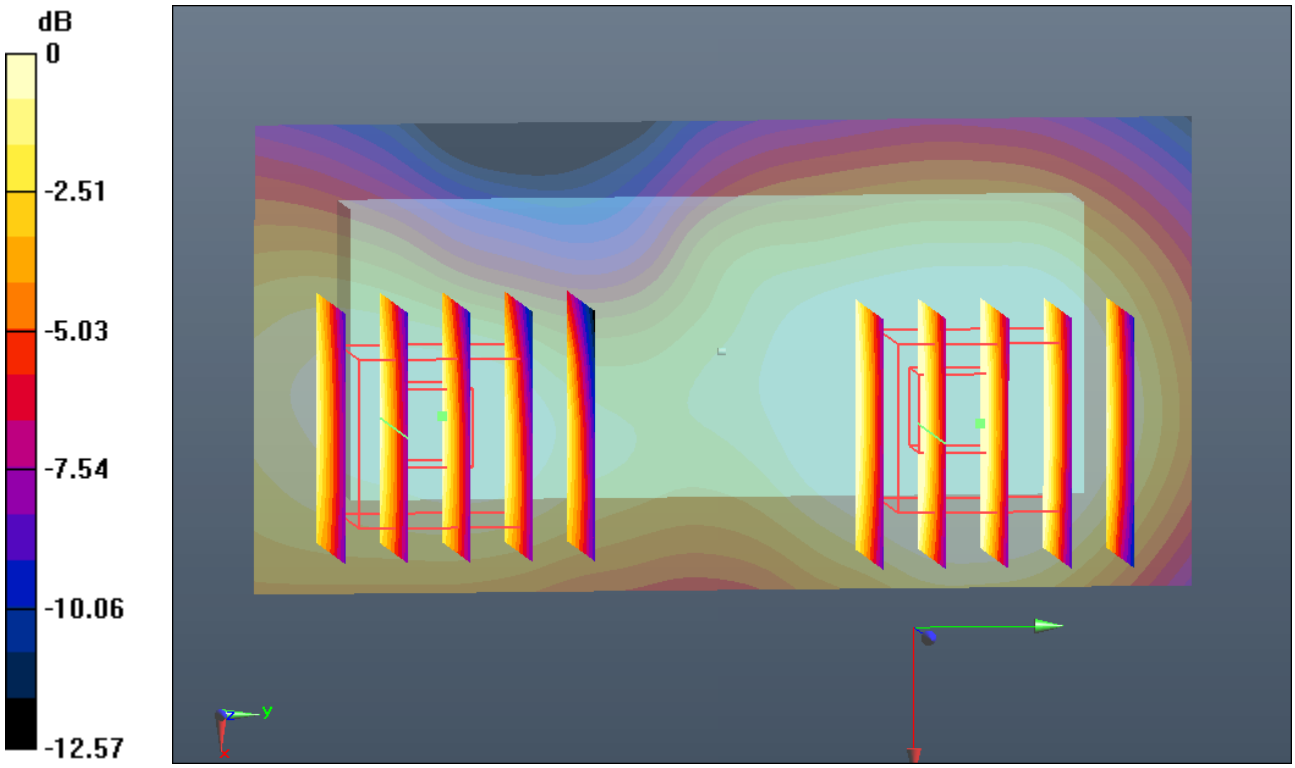
Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 704 MHz; σ = 0.926 mho/m; ε_r = 54.923; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.460 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.842 V/m; Power Drift = -0.0084 dB
Peak SAR (extrapolated) = 0.588 W/kg
SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 0.446 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.842 V/m; Power Drift = -0.0084 dB
Peak SAR (extrapolated) = 0.377 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.192 mW/g
Maximum value of SAR (measured) = 0.294 mW/g



0 dB = 0.290mW/g

#108 LTE Band 12_16QAM(1 49)_10M_Horizontal Down_0.5cm_Ch23057

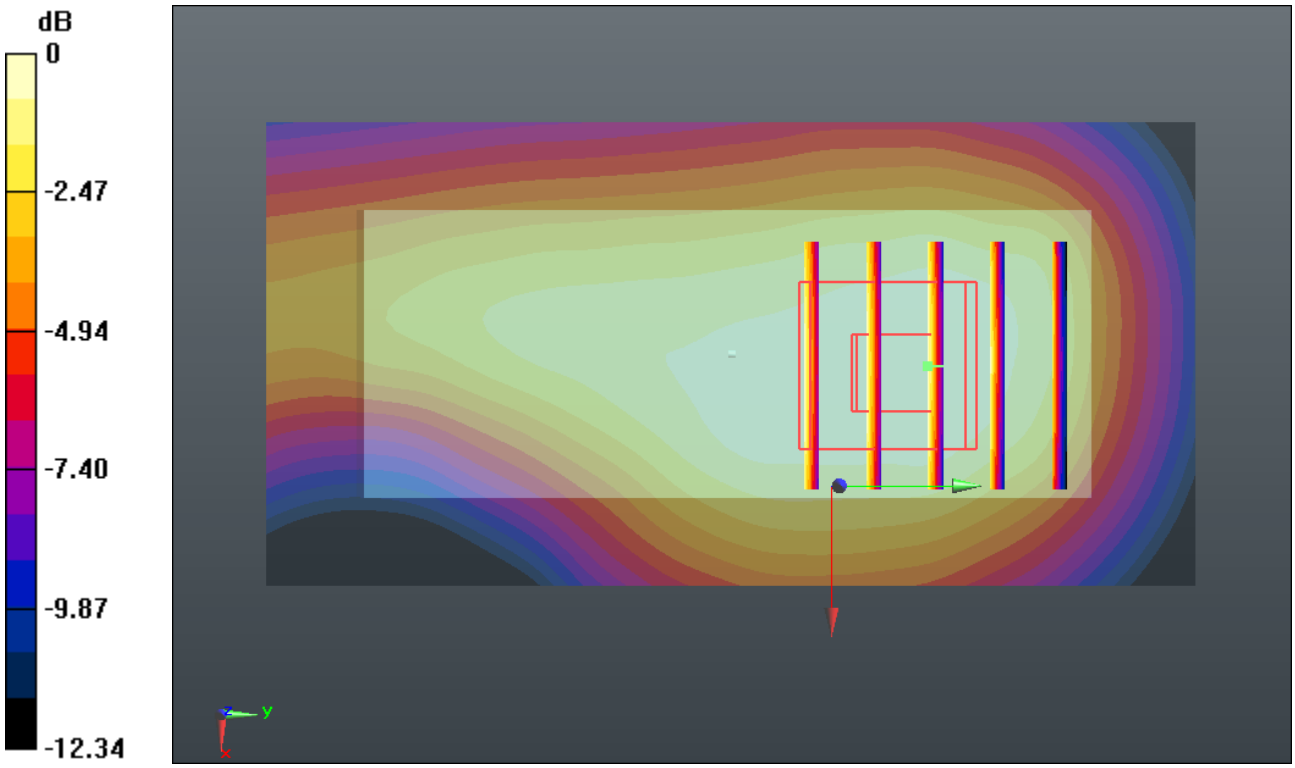
DUT: 1D3102

Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 704 MHz; σ = 0.935 mho/m; ε_r = 55.623; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.800 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.278 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.031 W/kg
SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.523 mW/g
Maximum value of SAR (measured) = 0.786 mW/g



0 dB = 0.790mW/g

#109 LTE Band 12_16QAM(1 49)_10M_Vertical Front_0.5cm_Ch23057

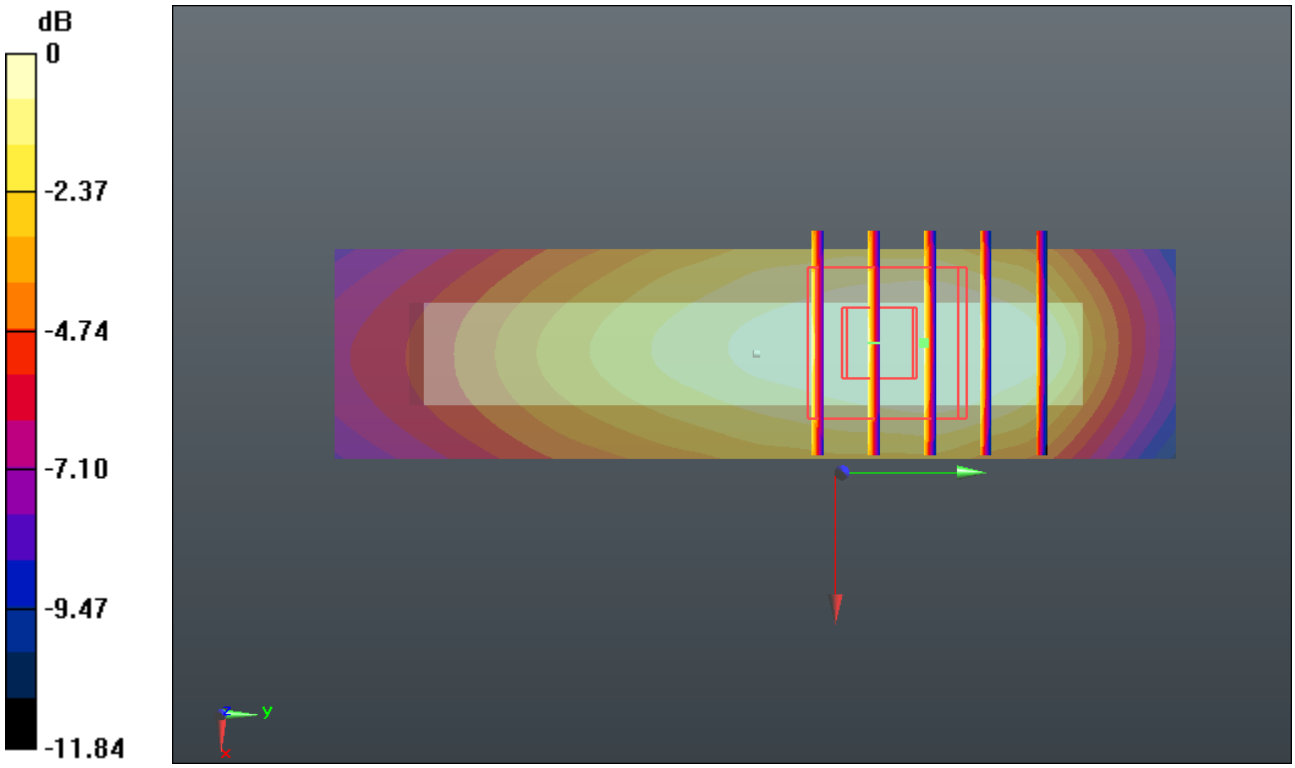
DUT: 1D3102

Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 704 MHz; σ = 0.935 mho/m; ε_r = 55.623; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.505 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.333 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.476 mW/g



0 dB = 0.480mW/g

#110 LTE Band 12_16QAM(1 49)_10M_Vertical Back_0.5cm_Ch23057

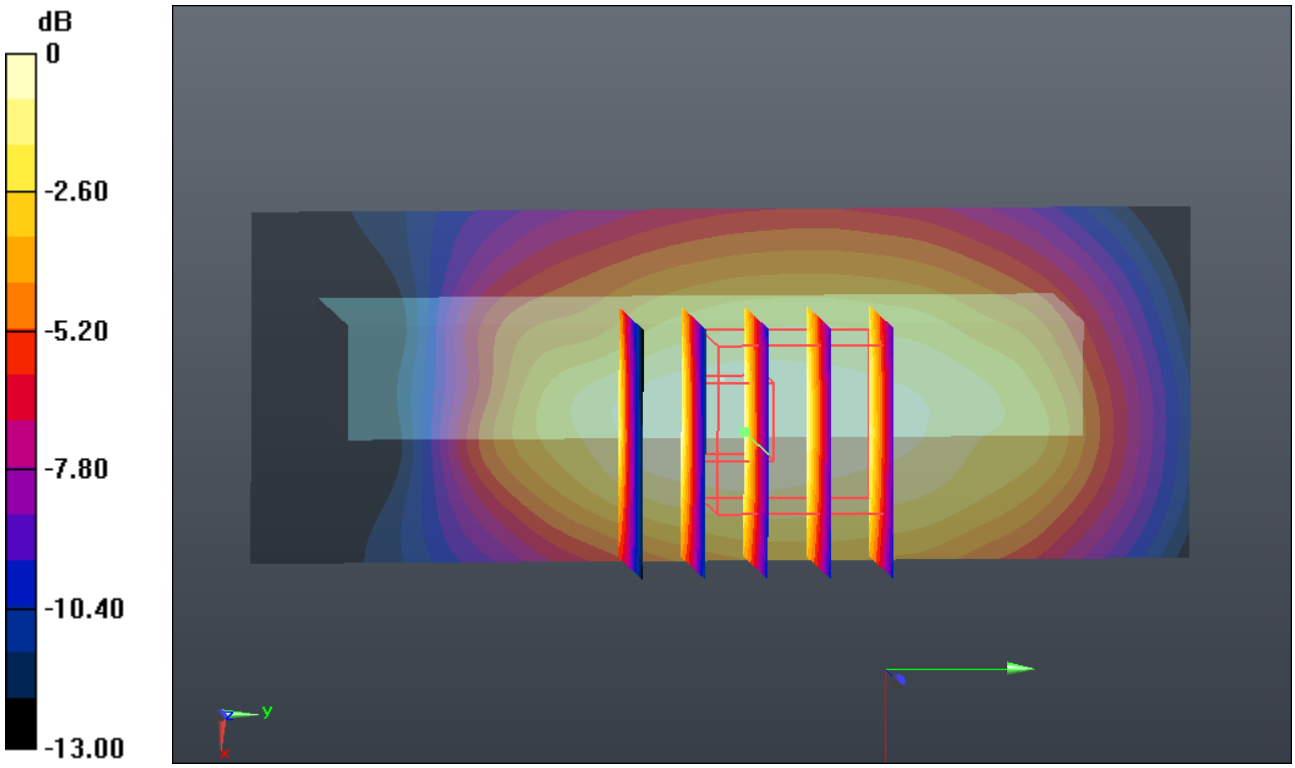
DUT: 1D3102

Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 704 MHz; σ = 0.926 mho/m; ε_r = 54.923; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.830 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.491 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.282 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.470 mW/g
Maximum value of SAR (measured) = 0.800 mW/g



0 dB = 0.800mW/g

#110 LTE Band 12_16QAM(1 49)_10M_Vertical Back_0.5cm_Ch23057_2D

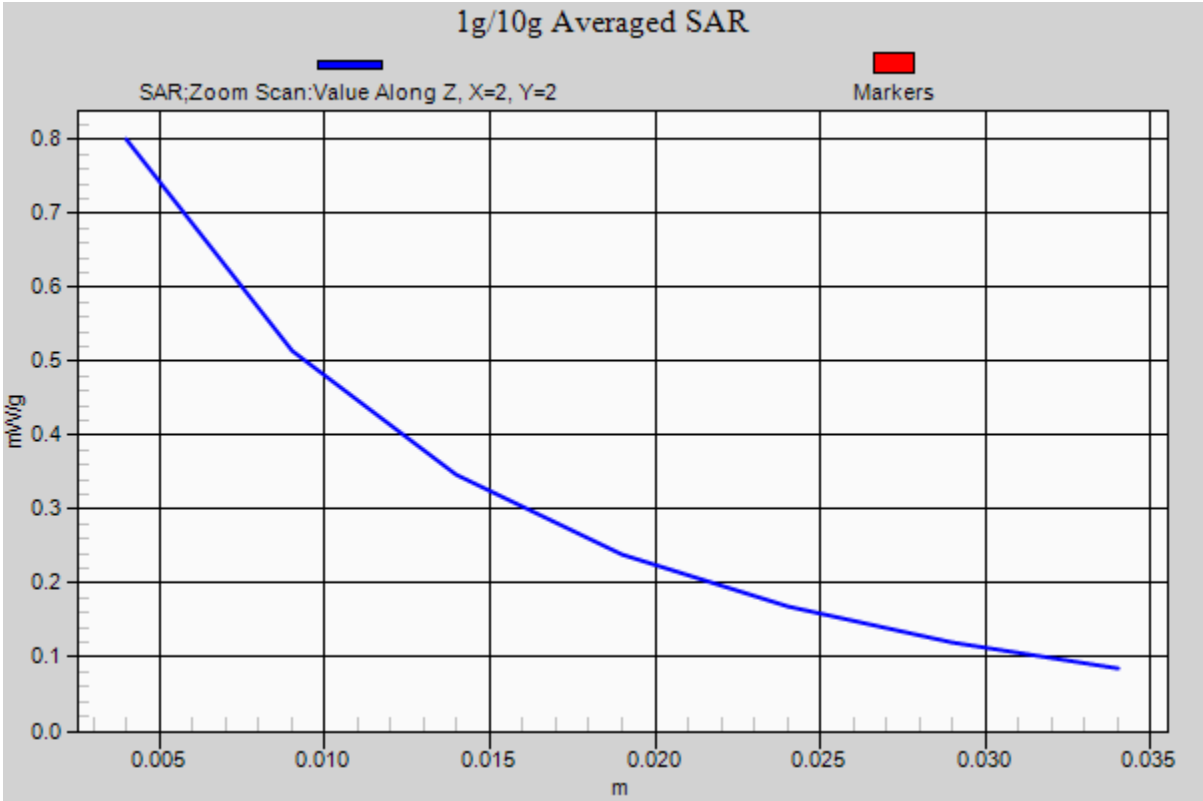
DUT: 1D3102

Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 704 MHz; σ = 0.926 mho/m; ε_r = 54.923; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.830 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.491 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.282 W/kg
SAR(1 g) = 0.743 mW/g; SAR(10 g) = 0.470 mW/g.
Maximum value of SAR (measured) = 0.800 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#111 LTE Band 12_16QAM(1 49)_10M_Tip Mode_0.5cm_Ch23057

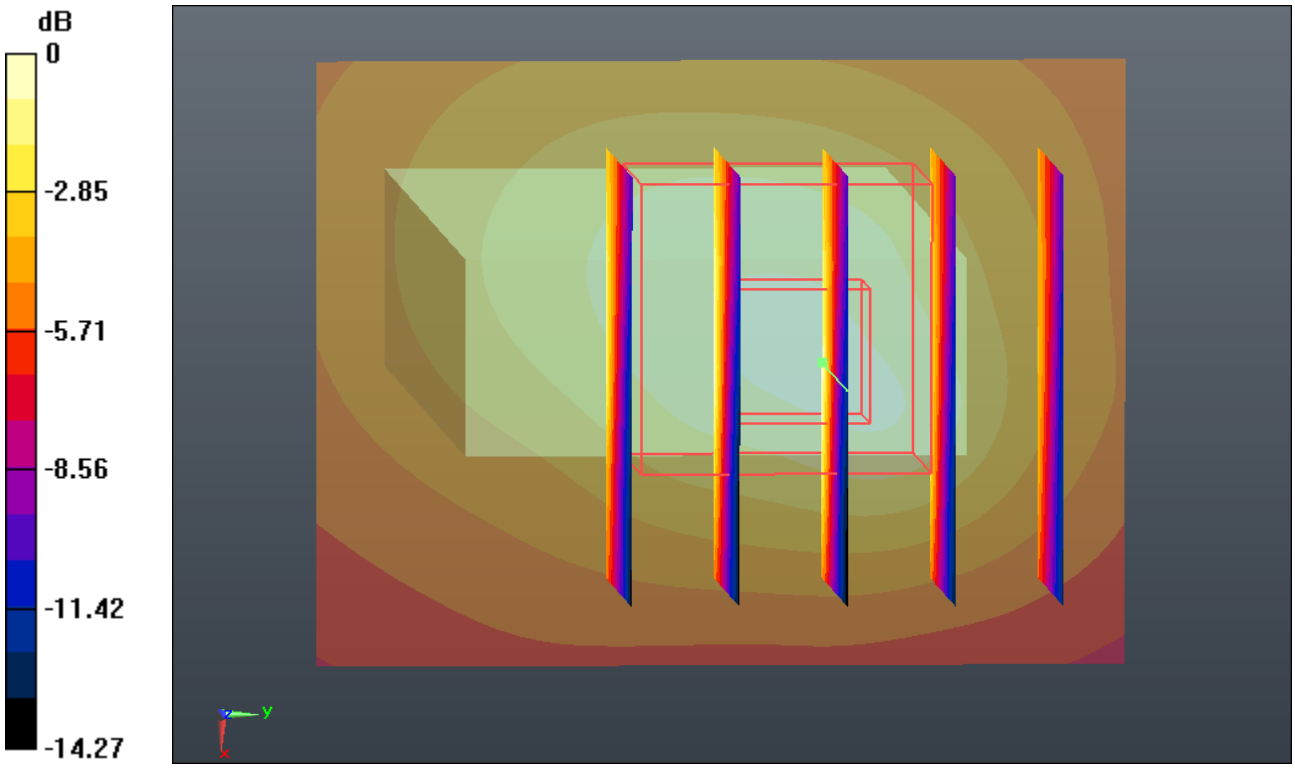
DUT: 1D3102

Communication System: LTE; Frequency: 703.7 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 704 MHz; σ = 0.926 mho/m; ε_r = 54.923 ; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23057/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.148 mW/g

Ch23057/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.287 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.324 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.175 mW/g



0 dB = 0.170mW/g

#112 LTE Band 17_QPSK(25 13)_10M_Horizontal Up_0.5cm_Ch23790

DUT: 1D3102

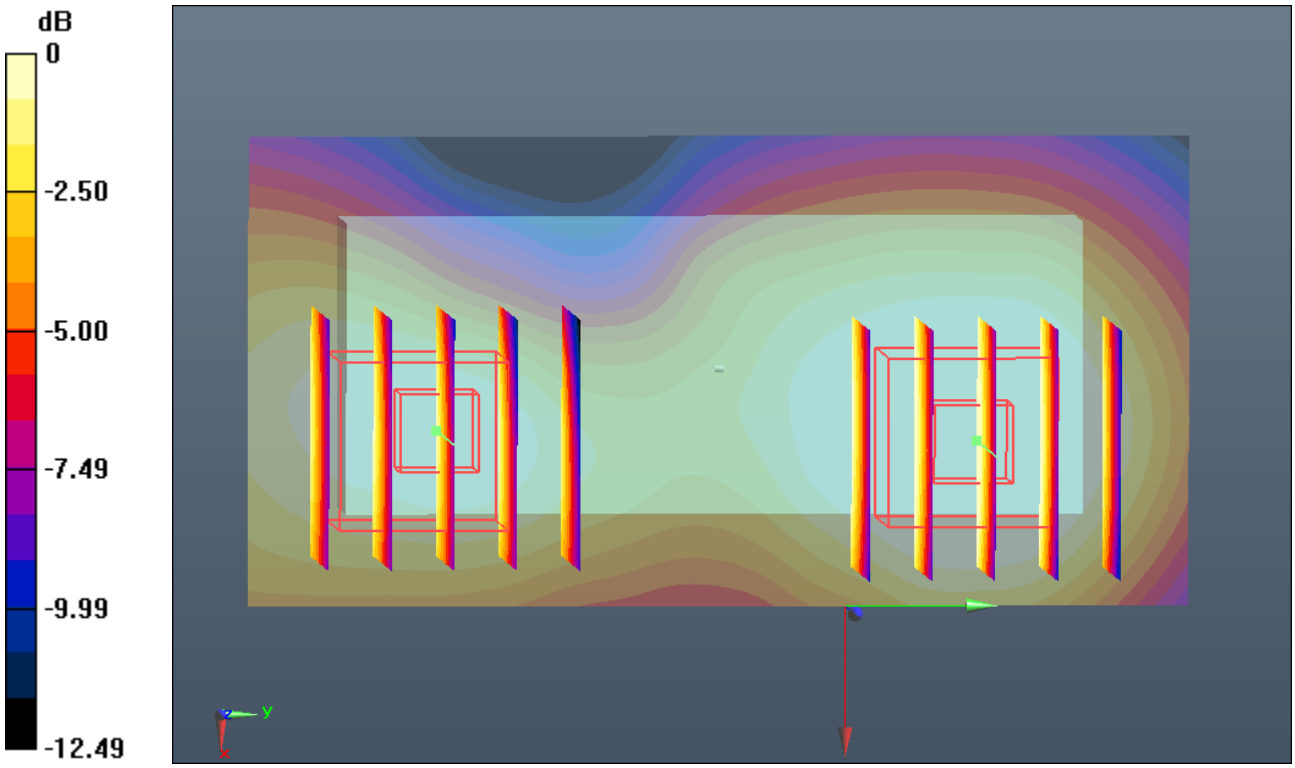
Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 710 MHz; σ = 0.933 mho/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.534 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.594 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.674 W/kg
SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.509 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.594 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.478 W/kg
SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.370mW/g

#113 LTE Band 17_QPSK(25 13)_10M_Horizontal Down_0.5cm_Ch23790

DUT: 1D3102

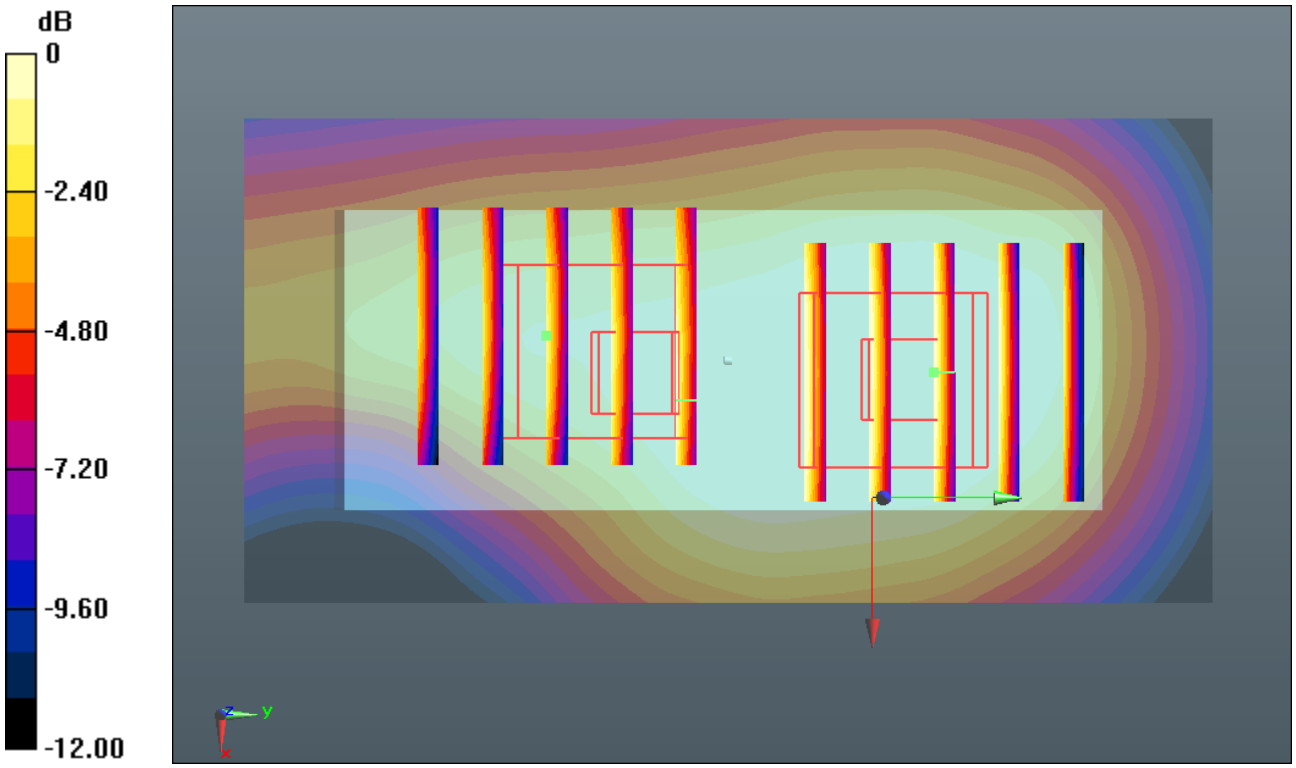
Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 710 MHz; σ = 0.943 mho/m; ε_r = 55.554; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.772 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.493 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 1.059 W/kg
SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.524 mW/g
Maximum value of SAR (measured) = 0.776 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.493 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.388 mW/g
Maximum value of SAR (measured) = 0.653 mW/g



0 dB = 0.650mW/g

#114 LTE Band 17_QPSK(25 13)_10M_Vertical Front_0.5cm_Ch23790

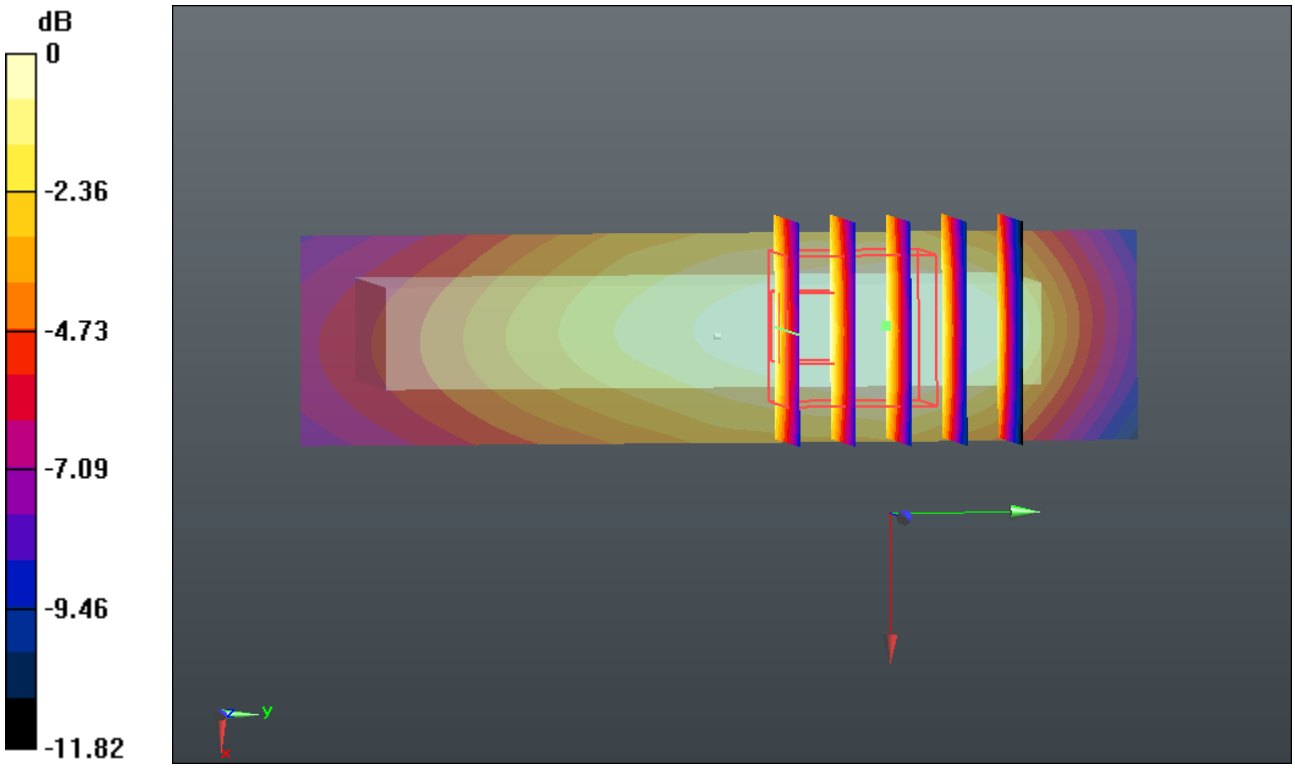
DUT: 1D3102

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 710 MHz; σ = 0.943 mho/m; ε_r = 55.554; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.522 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.532 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.638 W/kg
SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 0.490 mW/g



0 dB = 0.490mW/g

#115 LTE Band 17_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23790

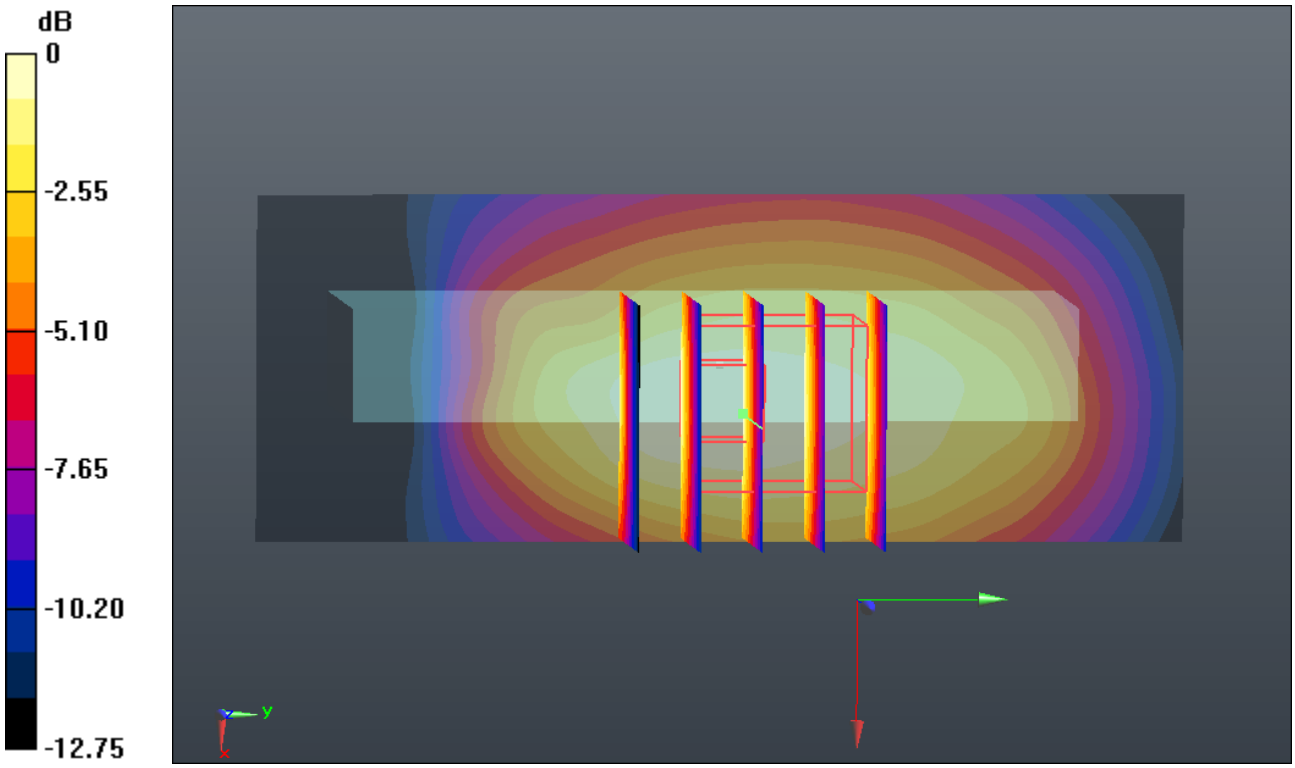
DUT: 1D3102

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 710 MHz; σ = 0.933 mho/m; ε_r = 54.842; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.958 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.850 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.550 W/kg
SAR(1 g) = 0.888 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.950mW/g

#116 LTE Band 17_QPSK(25 13)_10M_Tip Mode_0.5cm_Ch23790

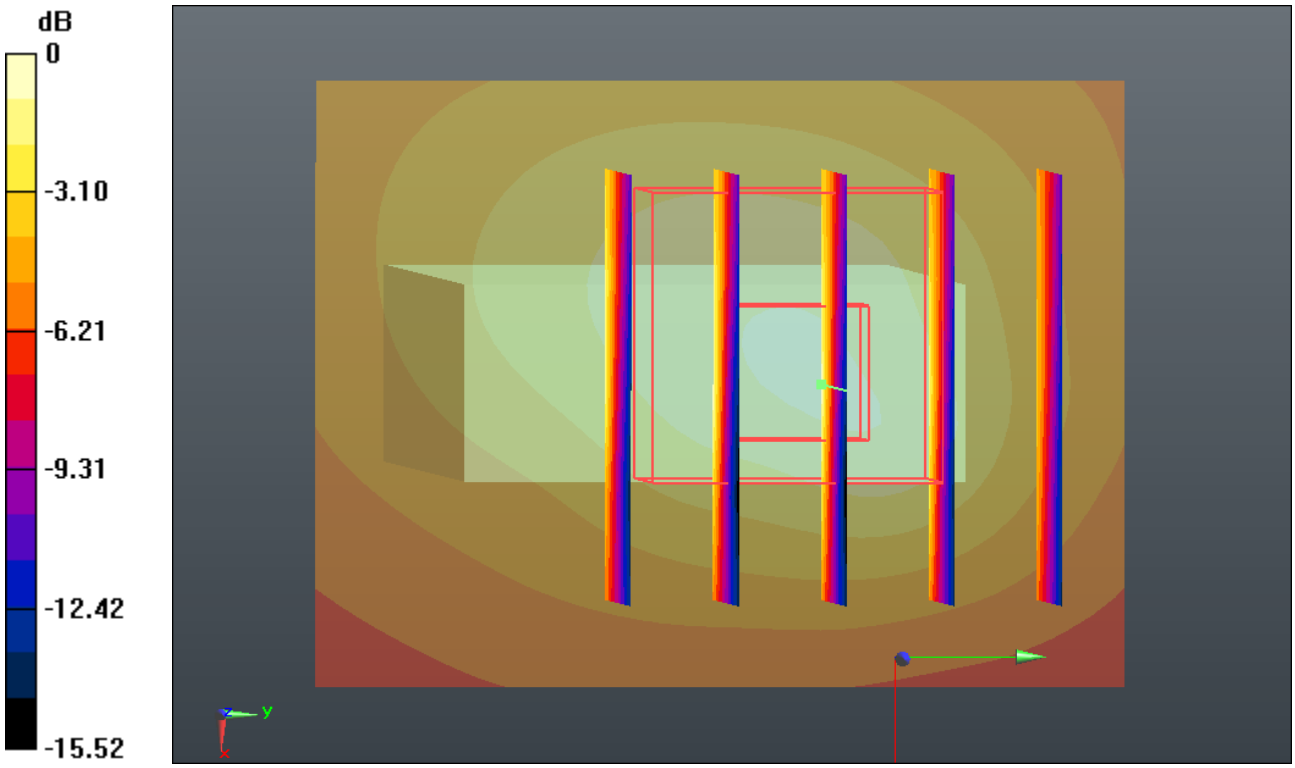
DUT: 1D3102

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 710 MHz; σ = 0.943 mho/m; ε_r = 55.554; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.132 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.614 V/m; Power Drift = 0.0084 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.074 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



0 dB = 0.160mW/g

#142 LTE Band 17_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23780

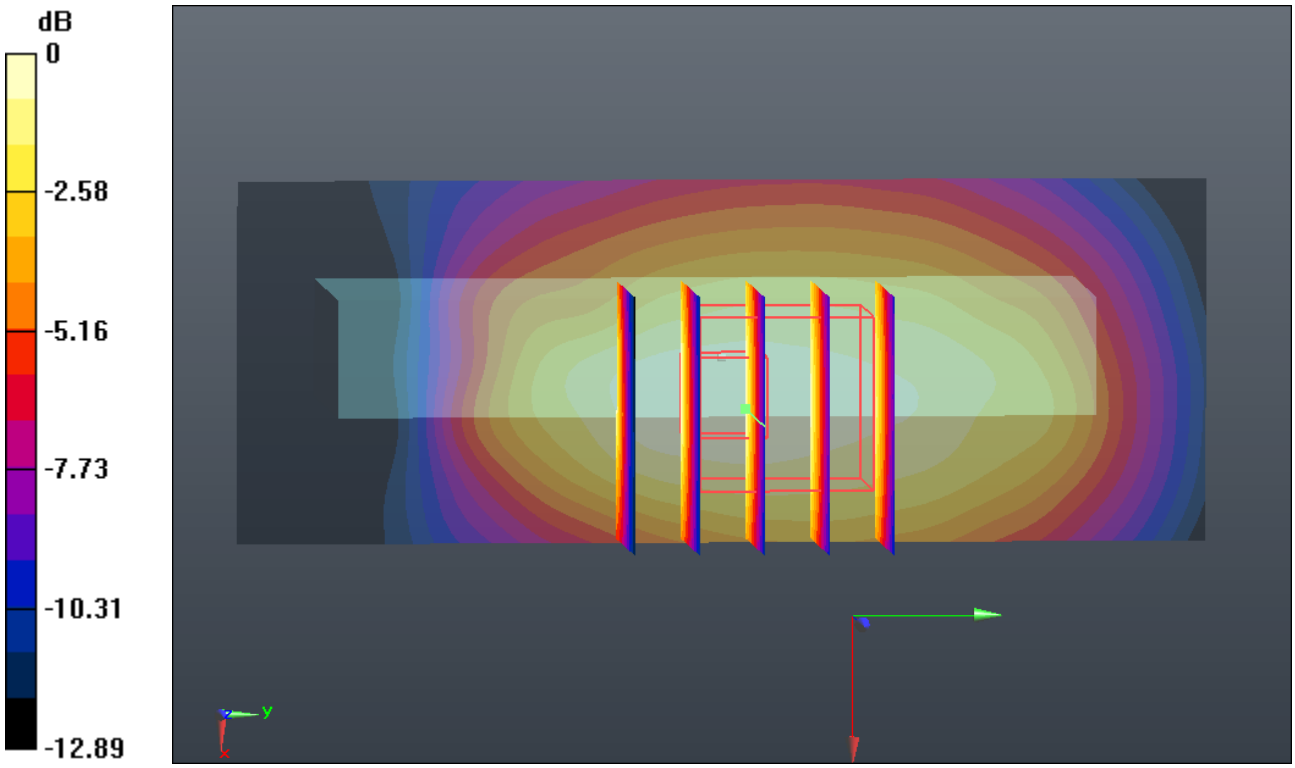
DUT: 1D3102

Communication System: LTE; Frequency: 709 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 709 MHz; σ = 0.932 mho/m; ε_r = 54.855; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23780/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.854 mW/g

Ch23780/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.144 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.409 W/kg
SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.503 mW/g
Maximum value of SAR (measured) = 0.857 mW/g



0 dB = 0.860mW/g

#143 LTE Band 17_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23800

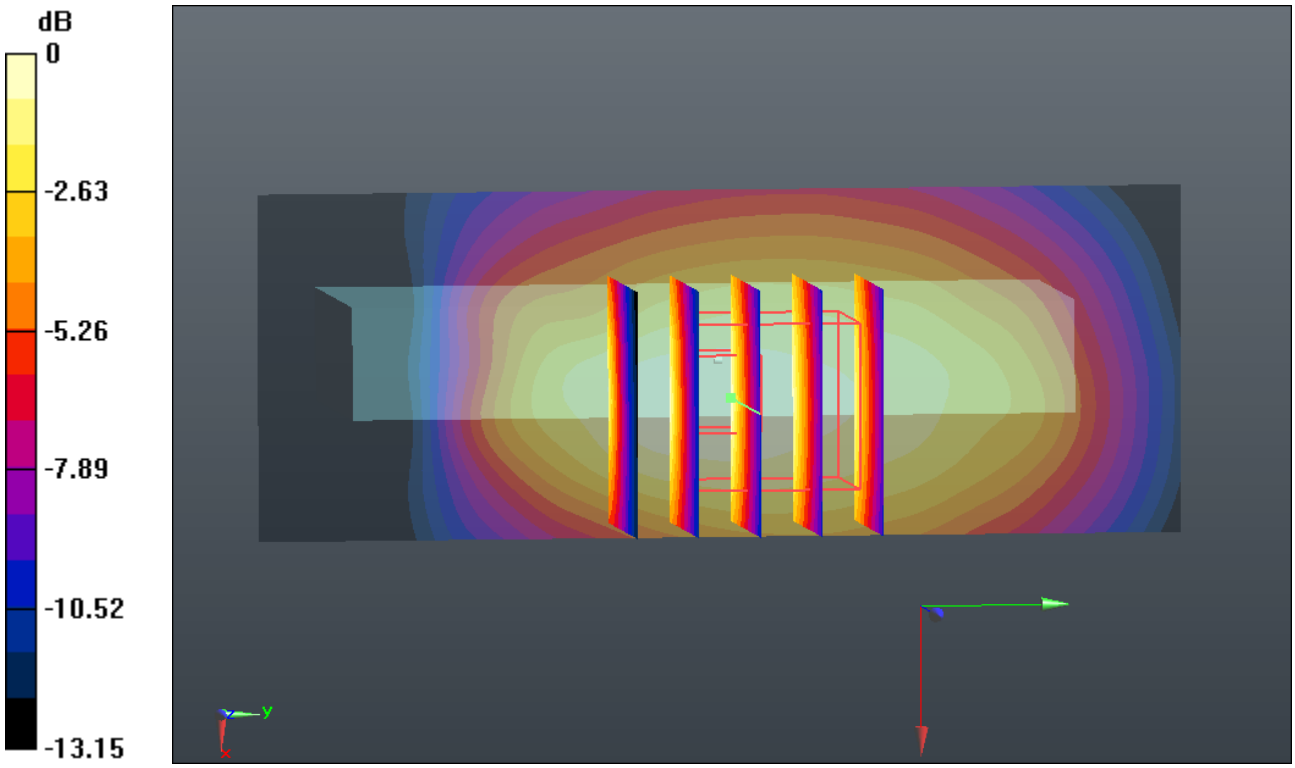
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 54.838; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.020 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.278 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.653 W/kg
SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.584 mW/g
Maximum value of SAR (measured) = 1.035 mW/g



0 dB = 1.030mW/g

#143 LTE Band 17_QPSK(25 13)_10M_Vertical Back_0.5cm_Ch23800_2D

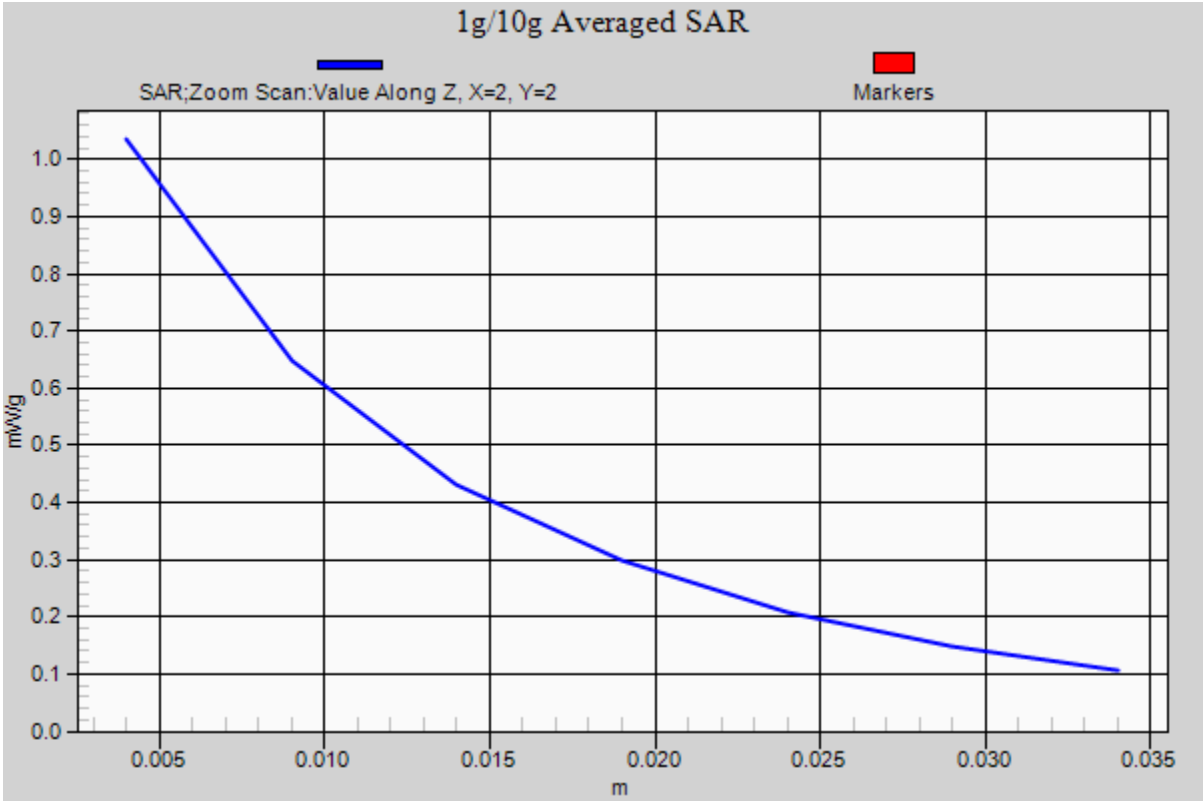
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120320 Medium parameters used: f = 711 MHz; σ = 0.934 mho/m; ε_r = 54.838; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.020 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.278 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.653 W/kg
SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.584 mW/g
Maximum value of SAR (measured) = 1.035 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#117 LTE Band 17_QPSK(1 0)_10M_Horizontal Up_0.5cm_Ch23800

DUT: 1D3102

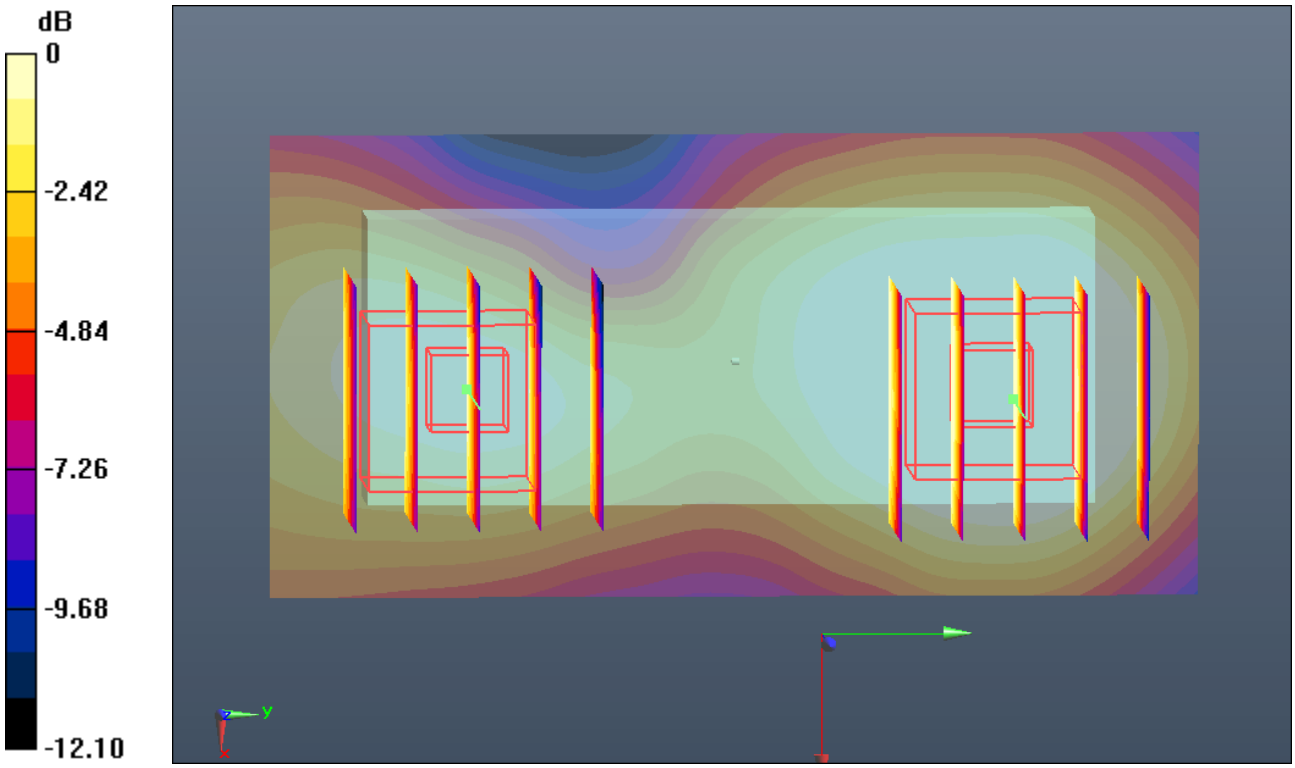
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.475 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.395 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.619 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.289 mW/g
Maximum value of SAR (measured) = 0.468 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.395 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.389 W/kg
SAR(1 g) = 0.278 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.298 mW/g



0 dB = 0.300mW/g

#118 LTE Band 17_QPSK(1 0)_10M_Horizontal Down_0.5cm_Ch23800

DUT: 1D3102

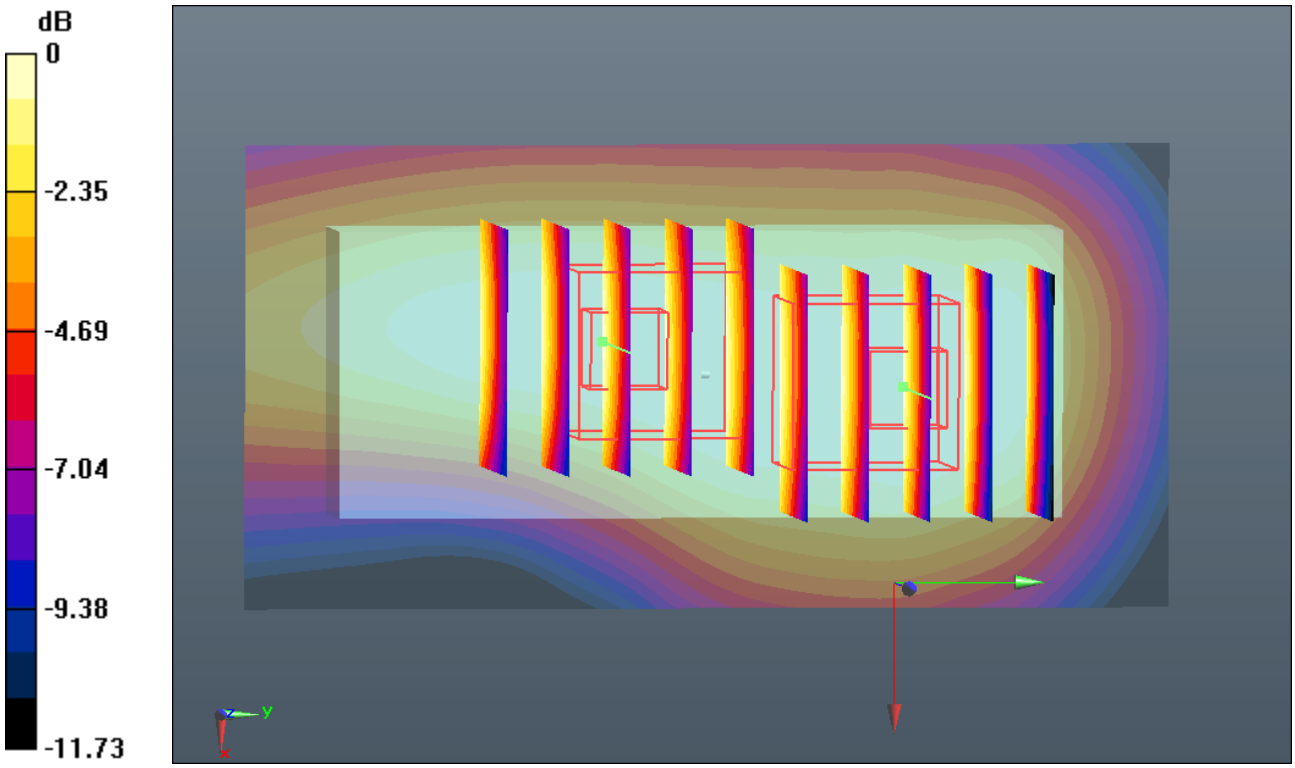
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.678 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.352 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.851 W/kg
SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.672 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.352 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.862 W/kg
SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.443 mW/g
Maximum value of SAR (measured) = 0.651 mW/g



0 dB = 0.650mW/g

#119 LTE Band 17_QPSK(1 0)_10M_Vertical Front_0.5cm_Ch23800

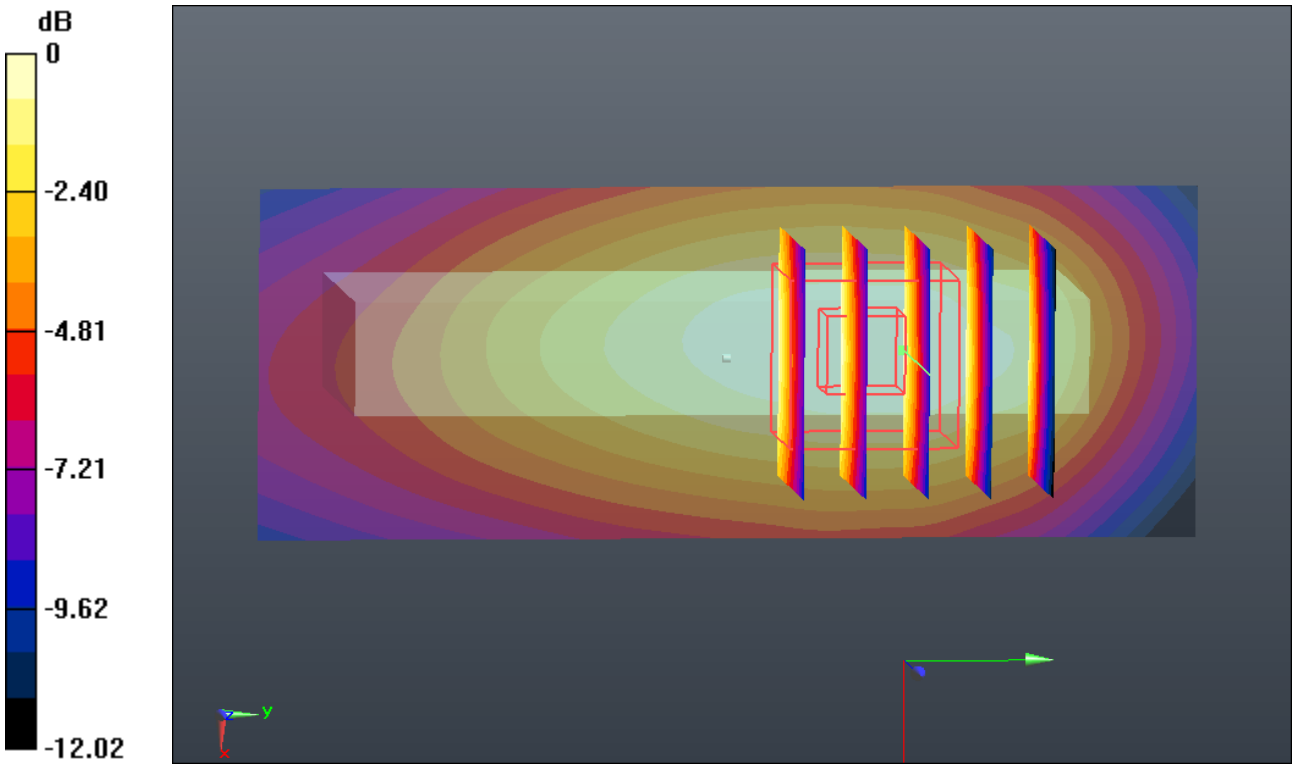
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.431 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.767 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.274 mW/g
Maximum value of SAR (measured) = 0.437 mW/g



0 dB = 0.440mW/g

#120 LTE Band 17_QPSK(1 0)_10M_Vertical Back_0.5cm_Ch23800

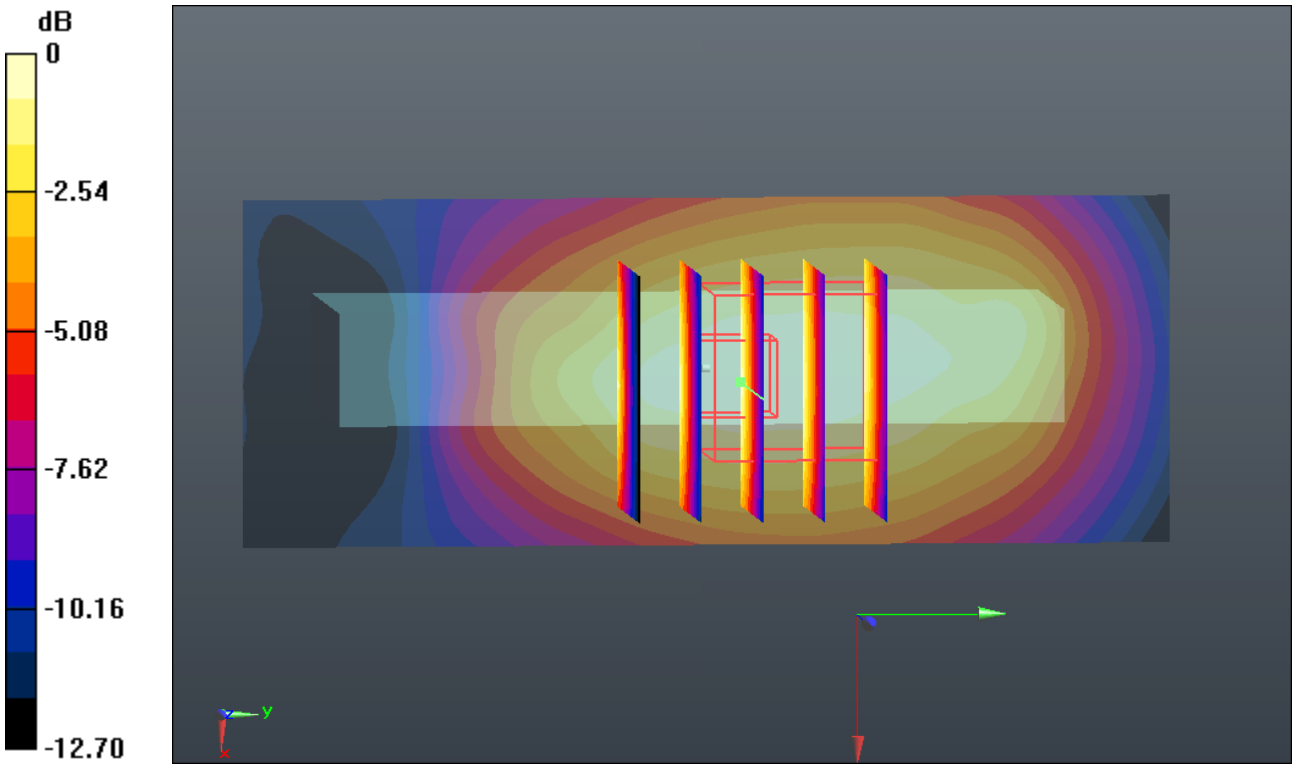
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.745 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.623 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.236 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.790 mW/g



0 dB = 0.790mW/g

#120 LTE Band 17_QPSK(1 0)_10M_Vertical Back_0.5cm_Ch23800_2D

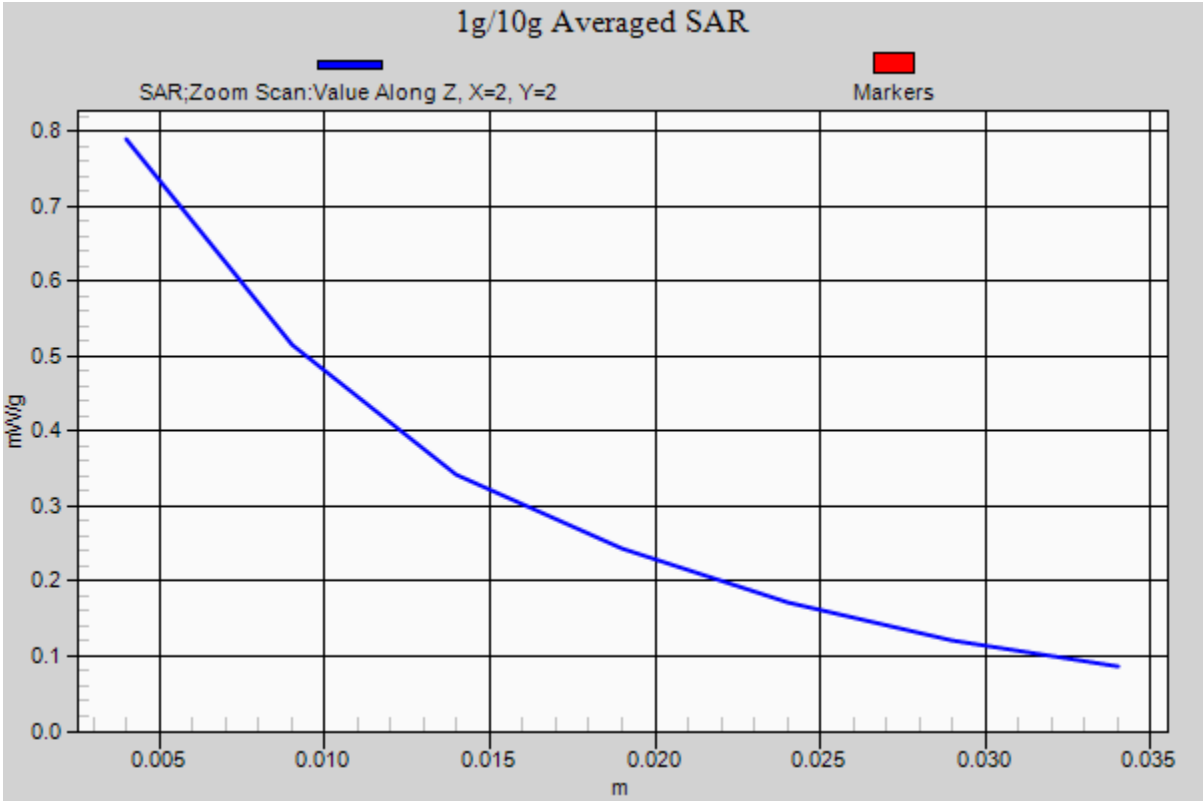
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.745 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.623 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.236 W/kg
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.472 mW/g
Maximum value of SAR (measured) = 0.790 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#121 LTE Band 17_QPSK(1 0)_10M_Tip Mode_0.5cm_Ch23800

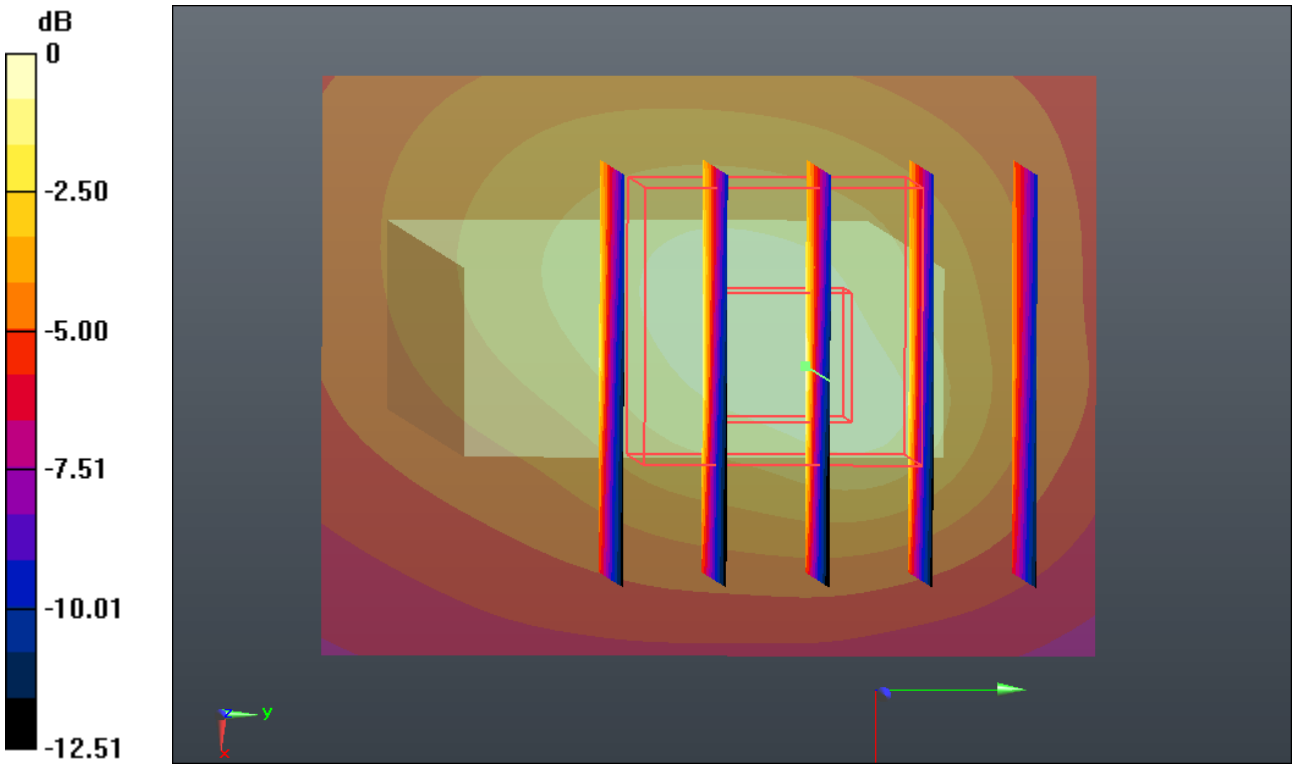
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.144 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.276 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.330 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.176 mW/g



0 dB = 0.180mW/g

#122 LTE Band 17_QPSK(1 49)_10M_Horizontal Up_0.5cm_Ch23800

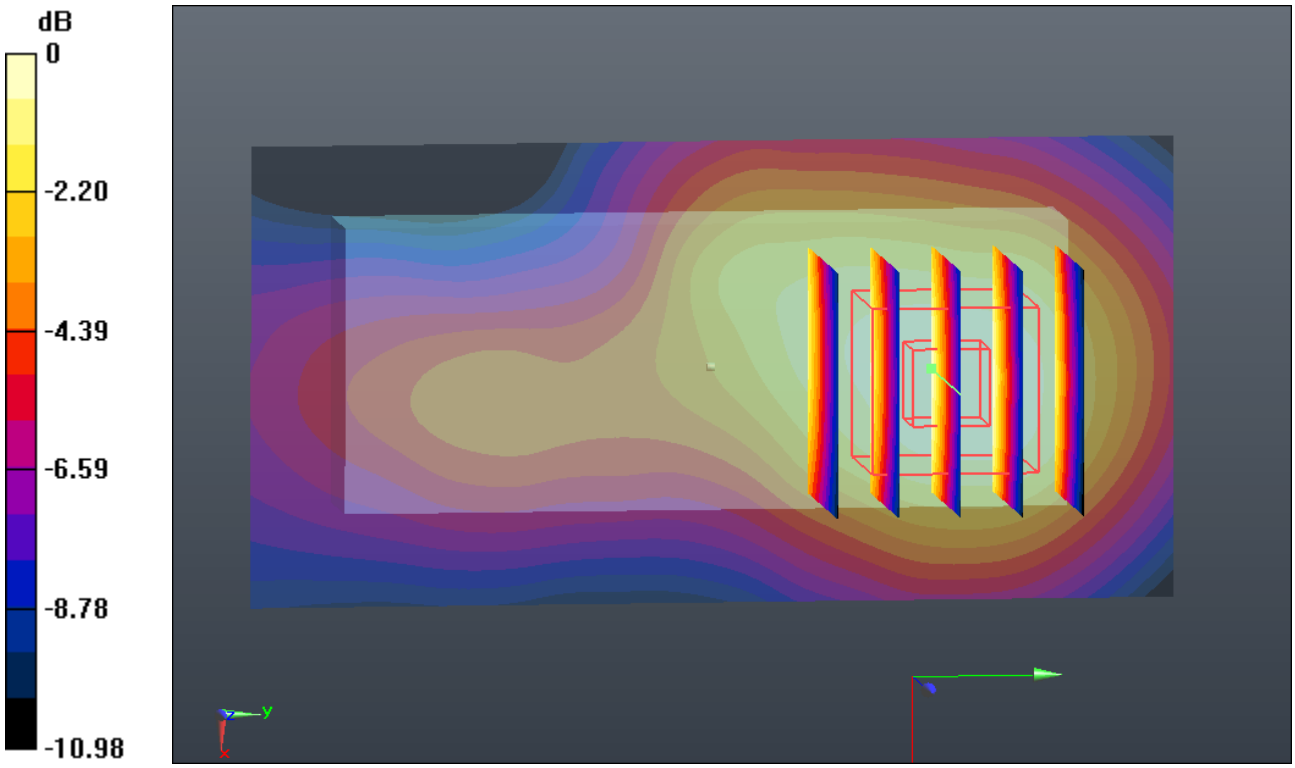
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.478 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.888 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.480 mW/g



0 dB = 0.480mW/g

#123 LTE Band 17_QPSK(1 49)_10M_Horizontal Down_0.5cm_Ch23800

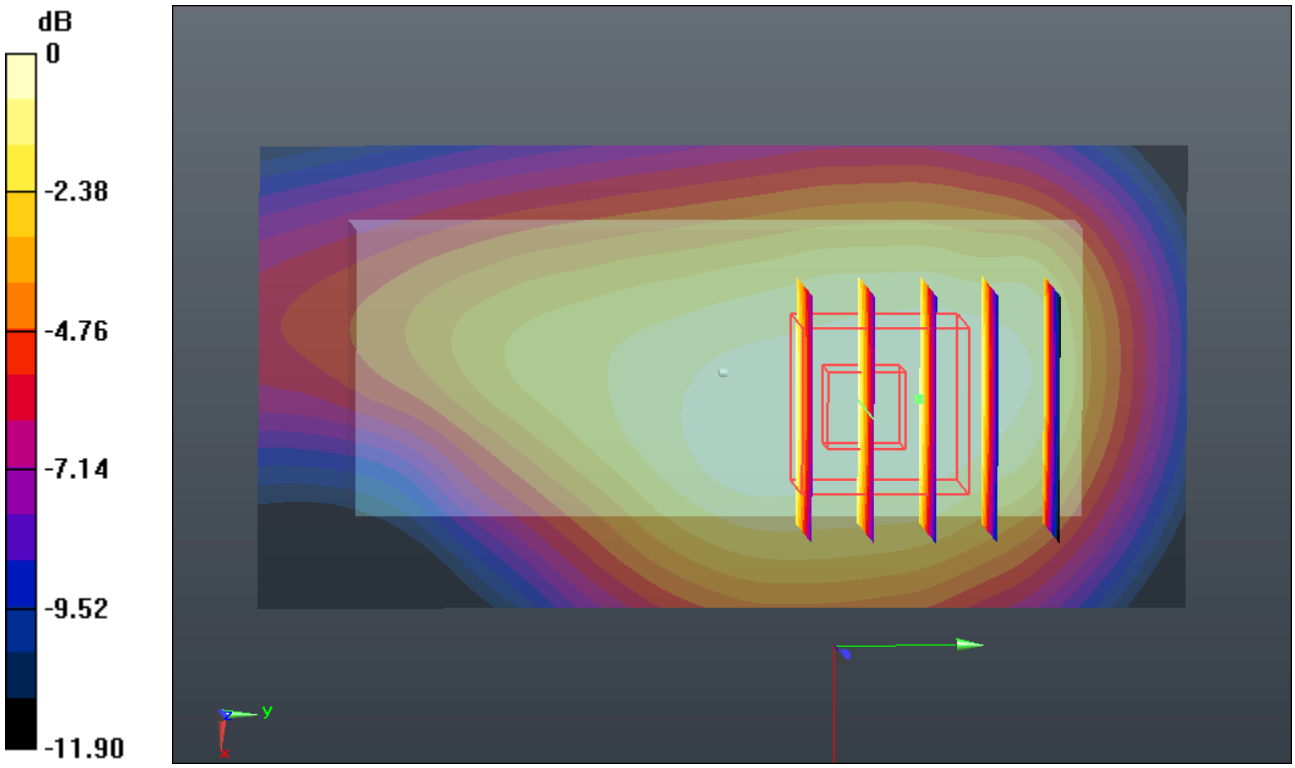
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.603 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.878 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.780 W/kg
SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 0.607 mW/g



0 dB = 0.610mW/g

#124 LTE Band 17_QPSK(1 49)_10M_Vertical Front_0.5cm_Ch23800

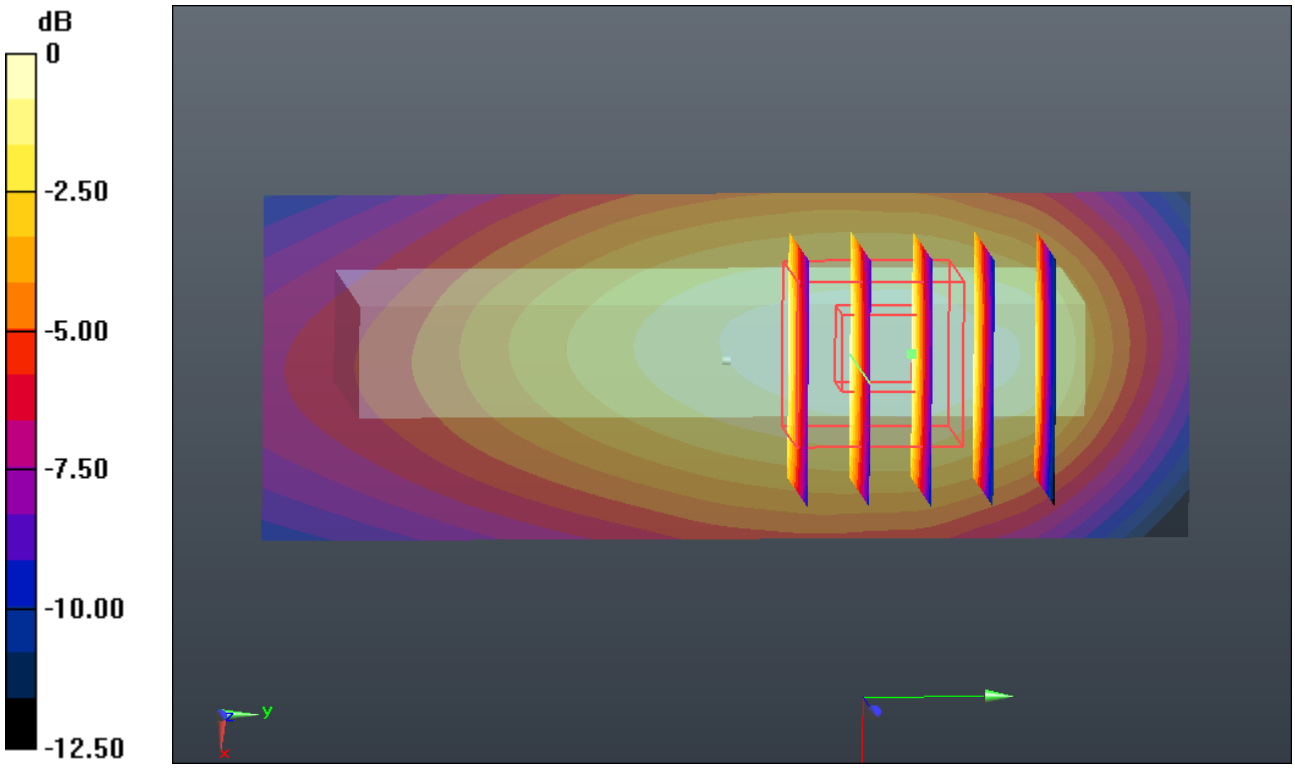
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.325 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.216 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.445 W/kg
SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.331 mW/g



0 dB = 0.330mW/g

#125 LTE Band 17_QPSK(1 49)_10M_Vertical Back_0.5cm_Ch23800

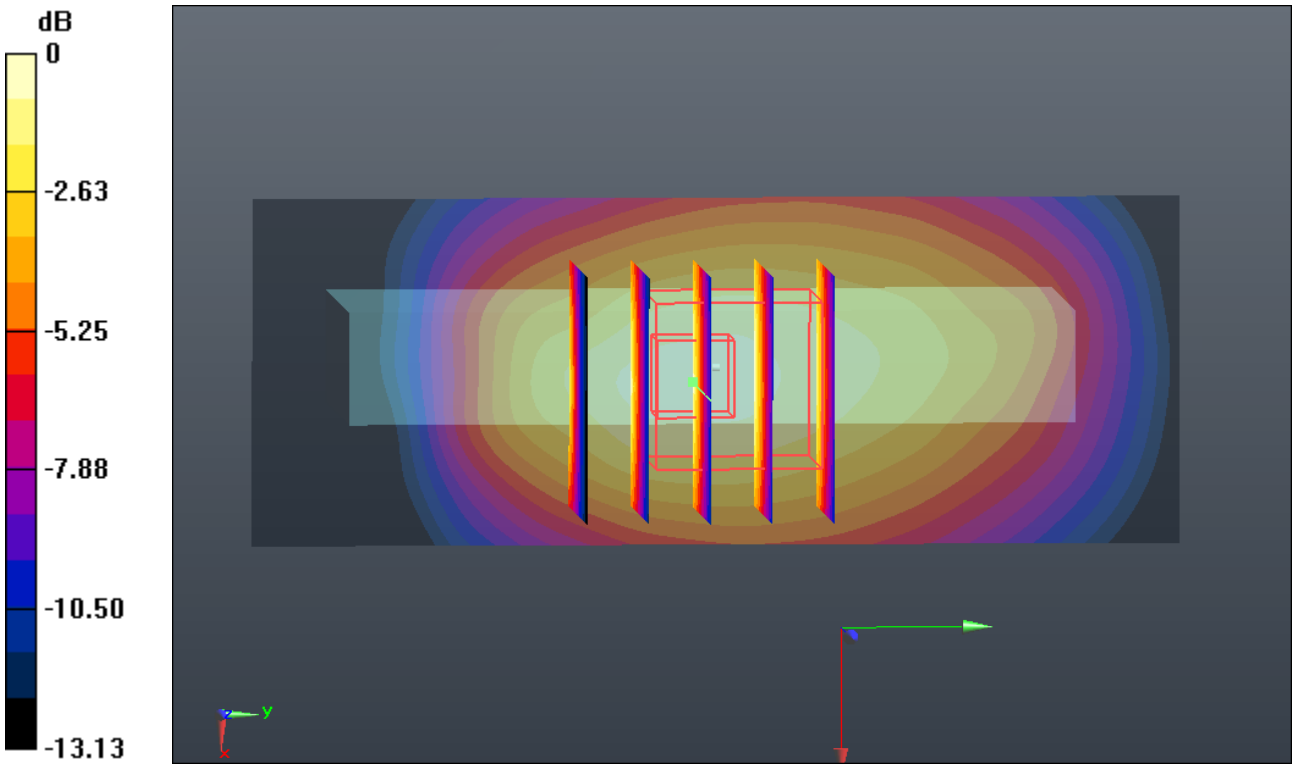
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.926 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.951 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 1.633 W/kg
SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.559 mW/g
Maximum value of SAR (measured) = 1.027 mW/g



0 dB = 1.030mW/g

#125 LTE Band 17_QPSK(1 49)_10M_Vertical Back_0.5cm_Ch23800_2D

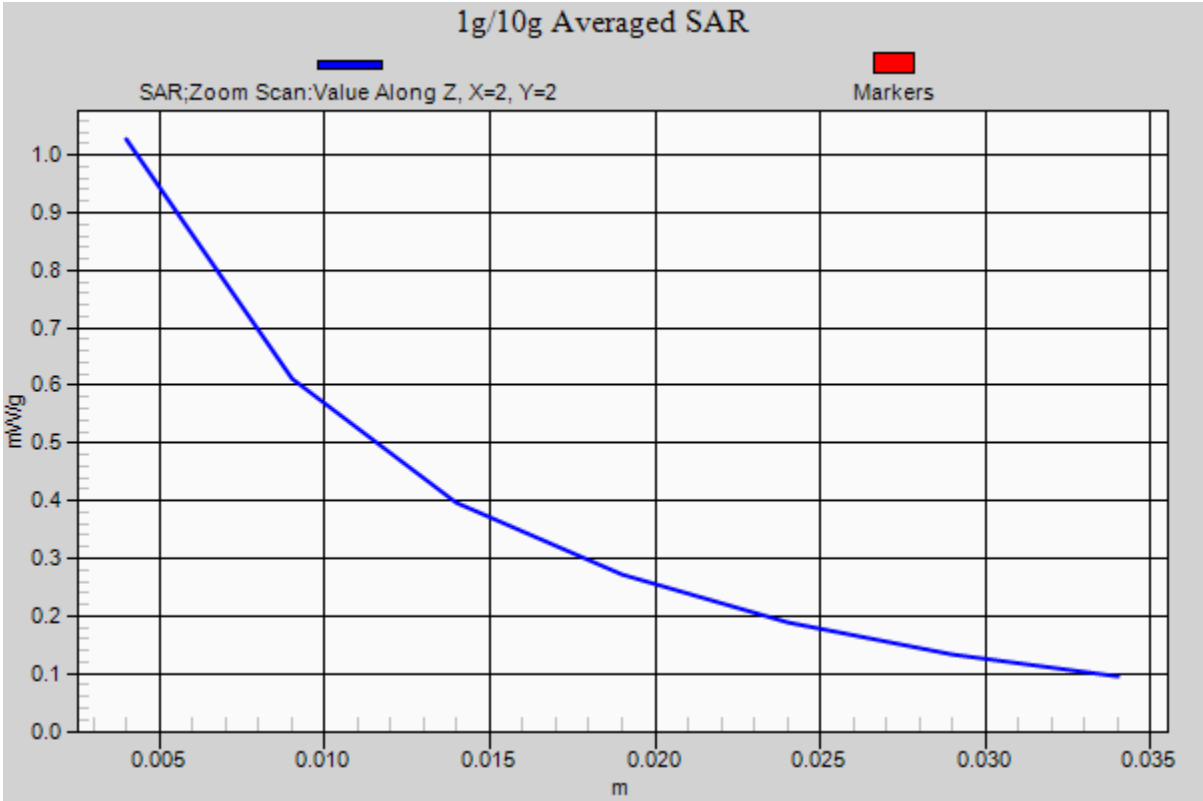
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.926 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.951 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 1.633 W/kg
SAR(1 g) = 0.925 mW/g; SAR(10 g) = 0.559 mW/g
Maximum value of SAR (measured) = 1.027 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#126 LTE Band 17_QPSK(1 49)_10M_Tip Mode_0.5cm_Ch23800

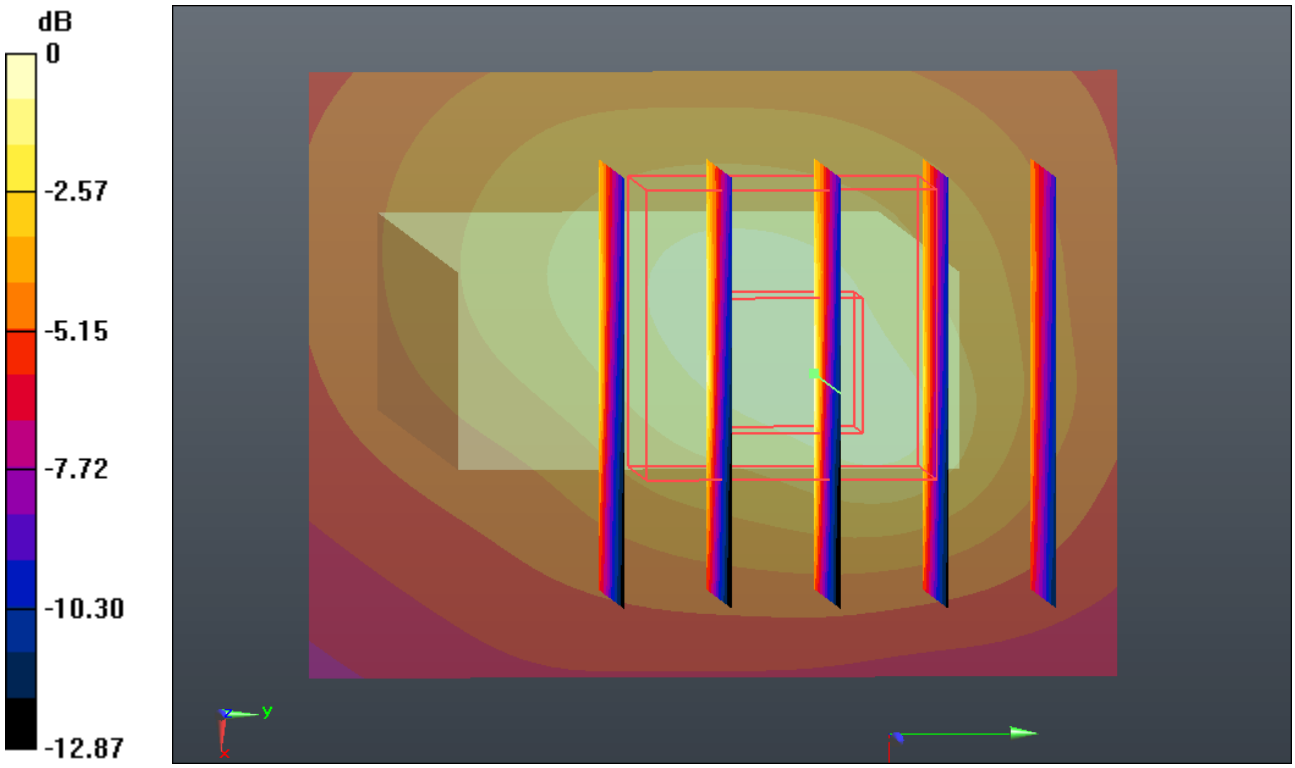
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.109 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.540 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.255 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.064 mW/g
Maximum value of SAR (measured) = 0.135 mW/g



0 dB = 0.140mW/g

#127 LTE Band 17_16QAM(25 13)_10M_Horizontal Up_0.5cm_Ch23800

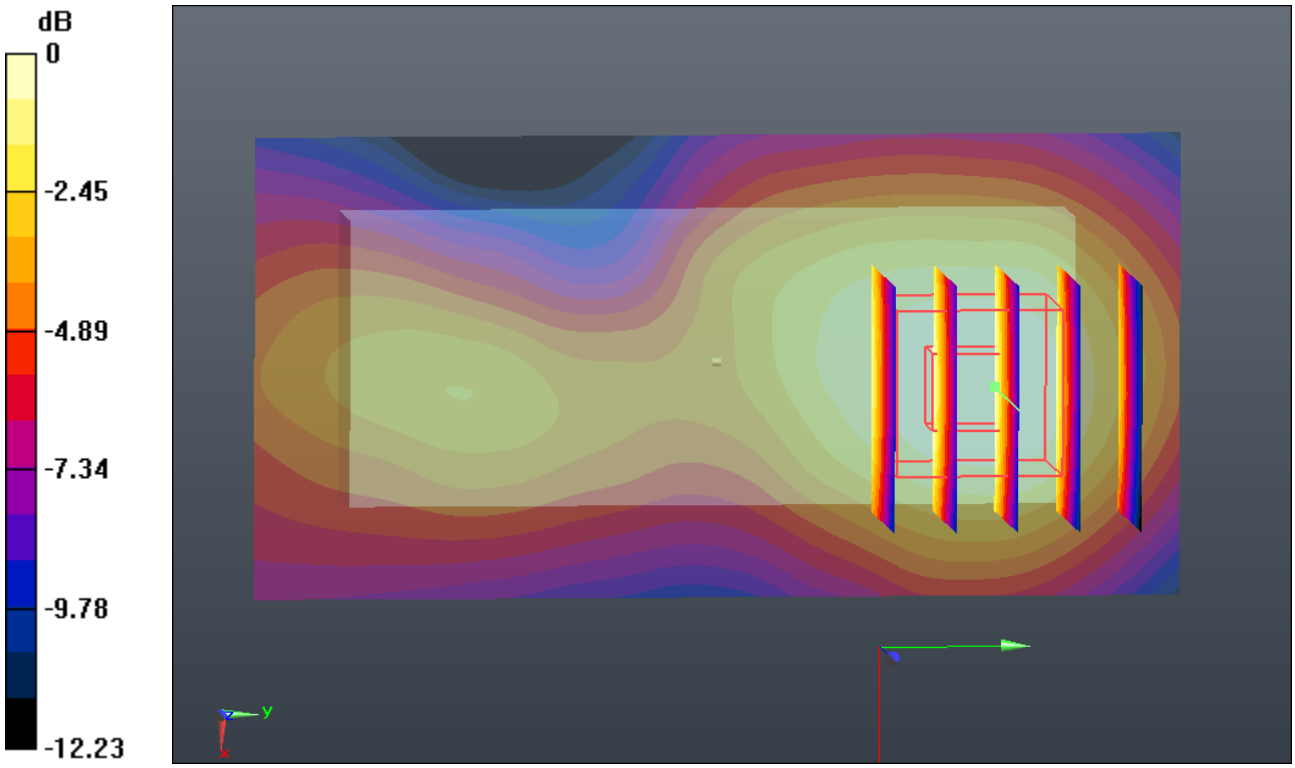
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.591 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.665 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.794 W/kg
SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.367 mW/g
Maximum value of SAR (measured) = 0.585 mW/g



0 dB = 0.580mW/g

#128 LTE Band 17_16QAM(25 13)_10M_Horizontal Down_0.5cm_Ch23800

DUT: 1D3102

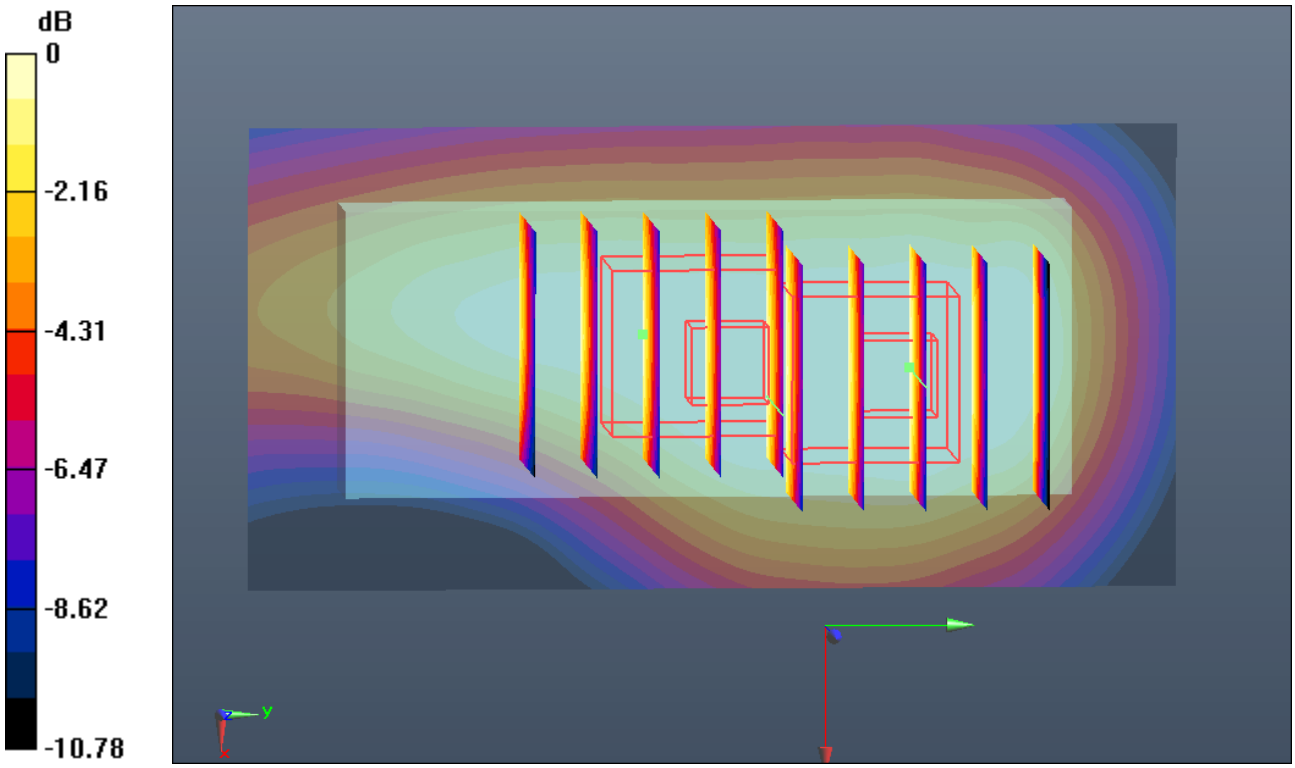
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.735 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.176 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.486 mW/g
Maximum value of SAR (measured) = 0.727 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.176 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.853 W/kg
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.456 mW/g
Maximum value of SAR (measured) = 0.673 mW/g



0 dB = 0.670mW/g

#129 LTE Band 17_16QAM(25 13)_10M_Vertical Front_0.5cm_Ch23800

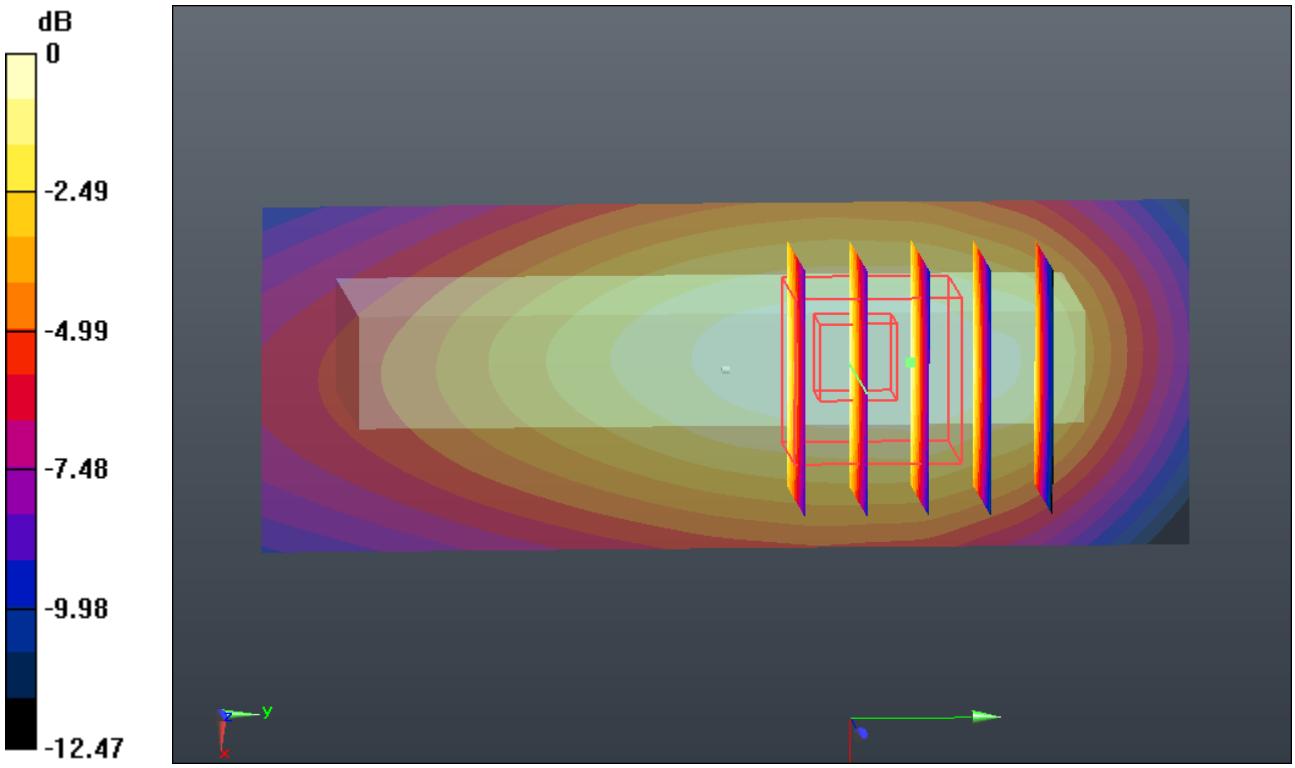
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.490 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.589 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.655 W/kg
SAR(1 g) = 0.455 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 0.490 mW/g



0 dB = 0.490mW/g

#130 LTE Band 17_16QAM(25 13)_10M_Vertical Back_0.5cm_Ch23800

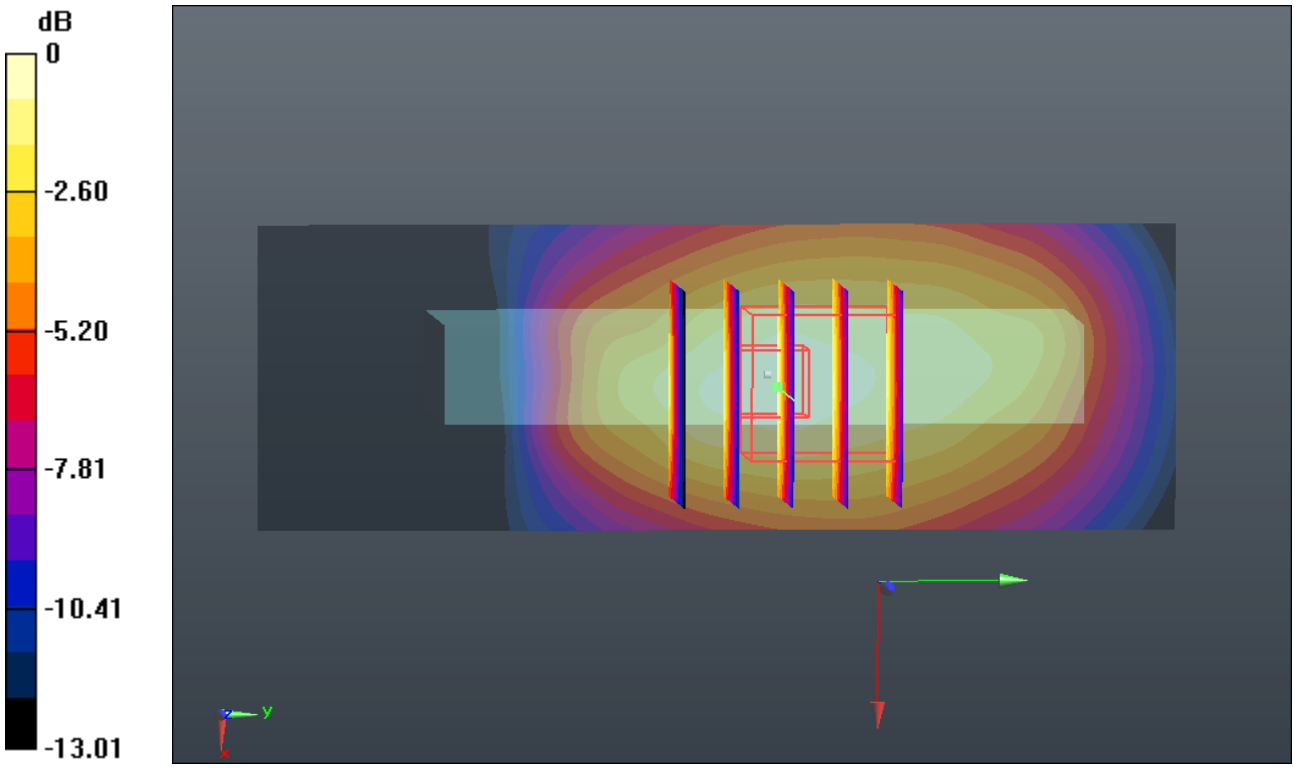
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.026 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.413 V/m; Power Drift = 0.0046 dB
Peak SAR (extrapolated) = 1.782 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.630 mW/g
Maximum value of SAR (measured) = 1.116 mW/g



0 dB = 1.120mW/g

#130 LTE Band 17_16QAM(25 13)_10M_Vertical Back_0.5cm_Ch23800_2D

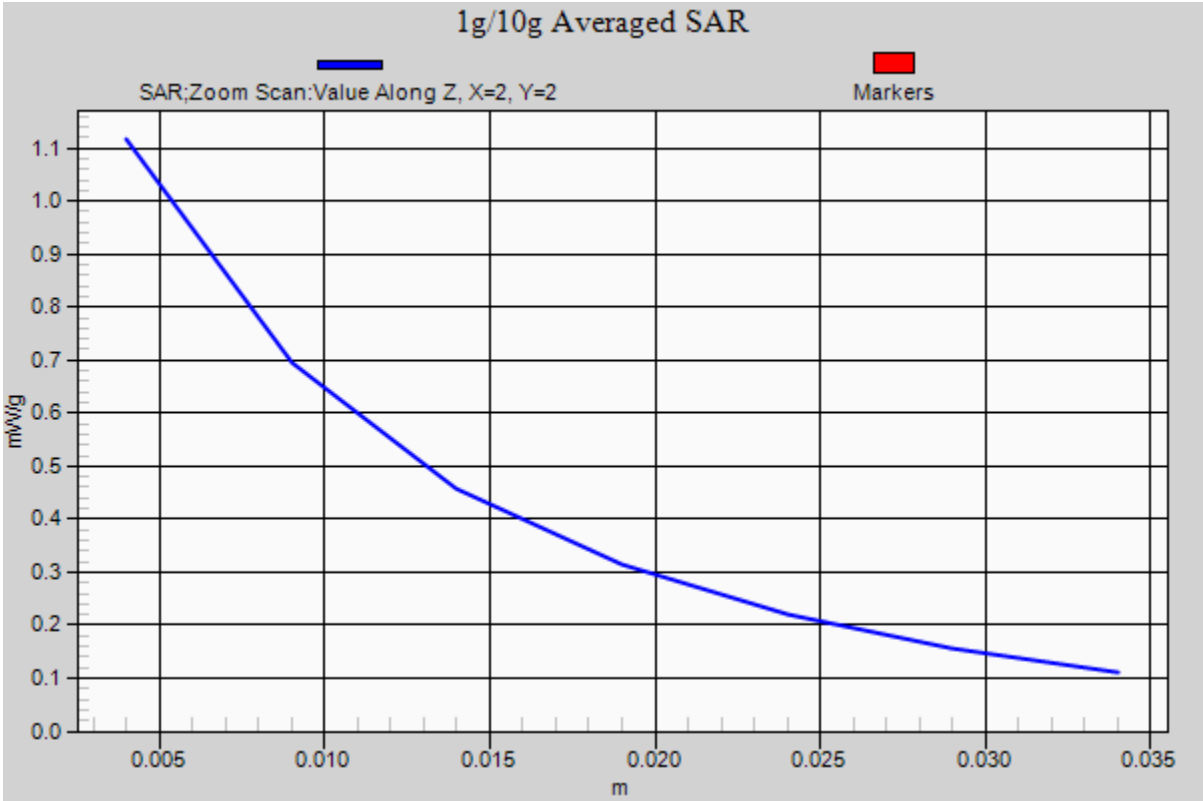
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.026 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.413 V/m; Power Drift = 0.0046 dB
Peak SAR (extrapolated) = 1.782 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.630 mW/g
Maximum value of SAR (measured) = 1.116 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
0.035
m

#131 LTE Band 17_16QAM(25 13)_10M_Tip Mode_0.5cm_Ch23800

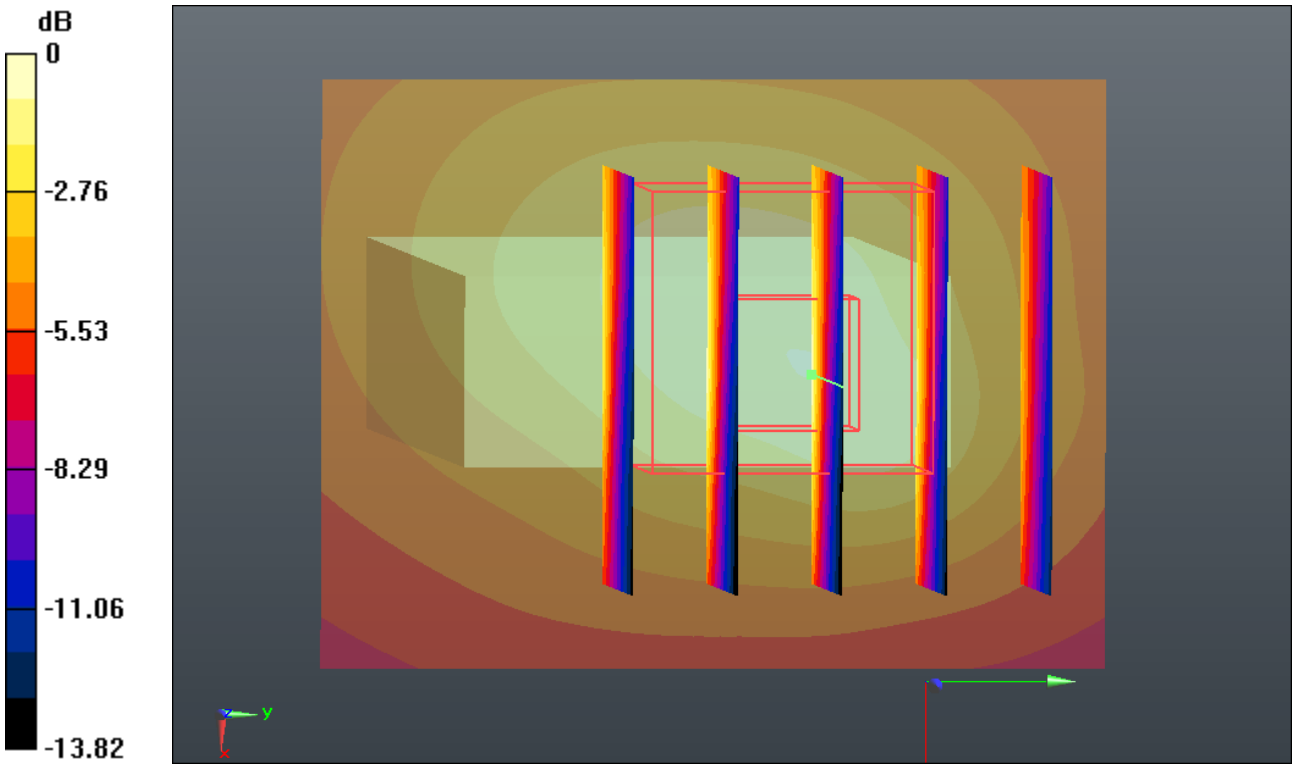
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.122 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.215 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.070 mW/g
Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.150mW/g

#132 LTE Band 17_16QAM(1 0)_10M_Horizontal Up_0.5cm_Ch23800

DUT: 1D3102

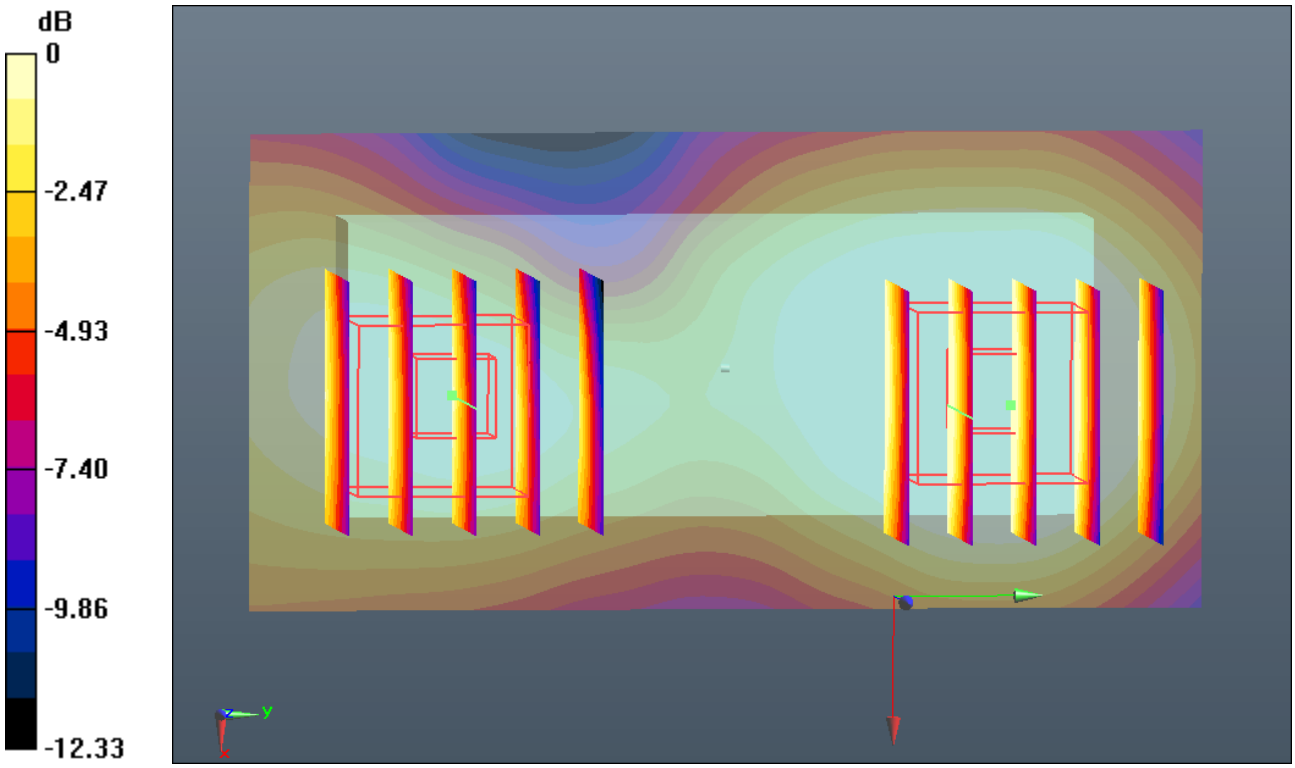
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.521 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.309 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.590 W/kg
SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.477 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.309 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.420 W/kg
SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.203 mW/g
Maximum value of SAR (measured) = 0.325 mW/g



0 dB = 0.320mW/g

#133 LTE Band 17_16QAM(1 0)_10M_Horizontal Down_0.5cm_Ch23800

DUT: 1D3102

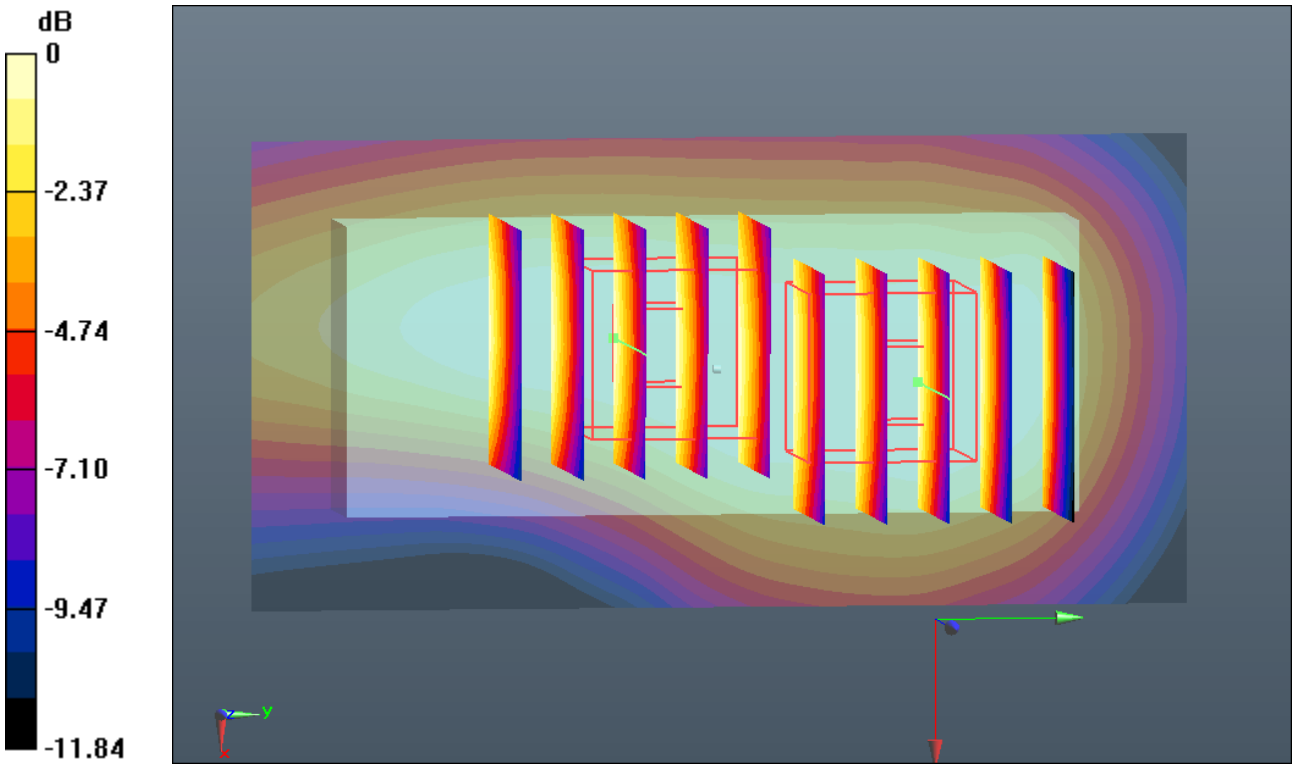
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.755 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.715 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.950 W/kg
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.491 mW/g
Maximum value of SAR (measured) = 0.738 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.715 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.492 mW/g
Maximum value of SAR (measured) = 0.724 mW/g



0 dB = 0.720mW/g

#134 LTE Band 17_16QAM(1 0)_10M_Vertical Front_0.5cm_Ch23800

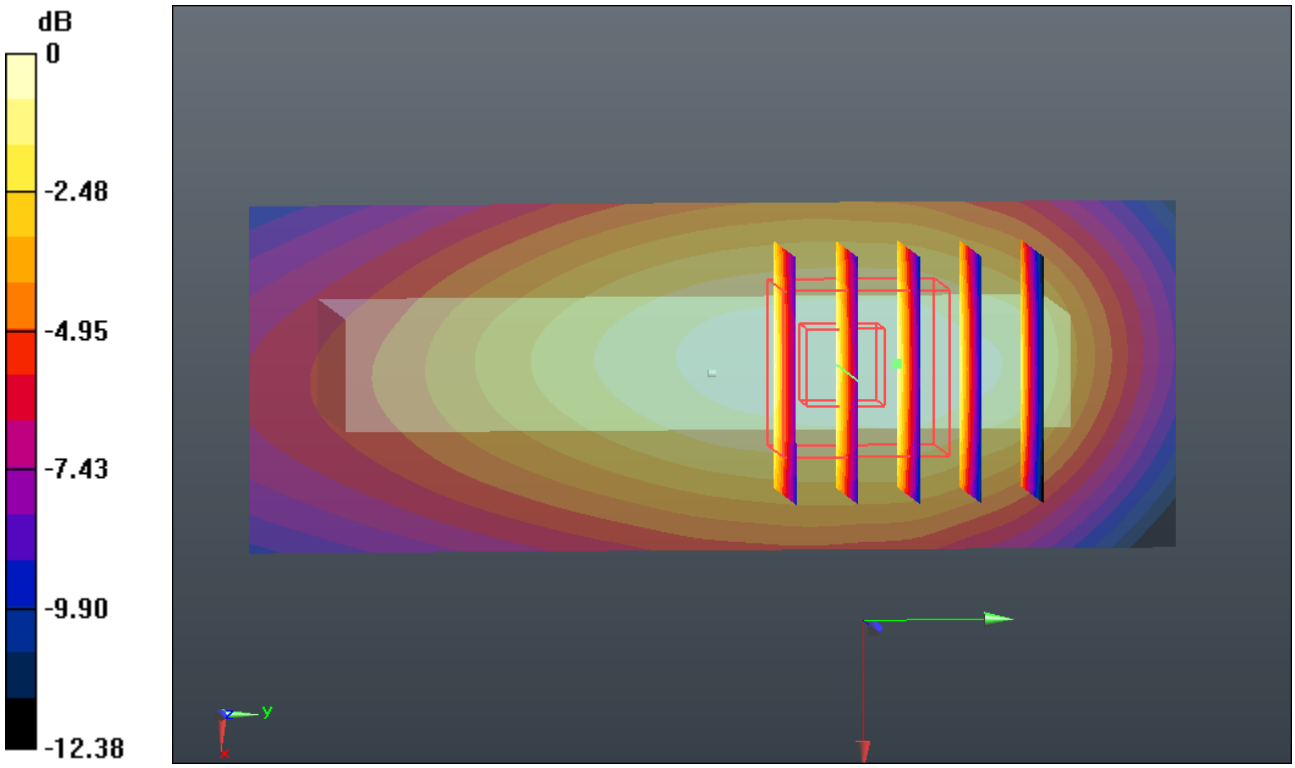
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.474 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.354 V/m; Power Drift = 0.0069 dB
Peak SAR (extrapolated) = 0.636 W/kg
SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 0.477 mW/g



0 dB = 0.480mW/g

#135 LTE Band 17_16QAM(1 0)_10M_Vertical Back_0.5cm_Ch23800

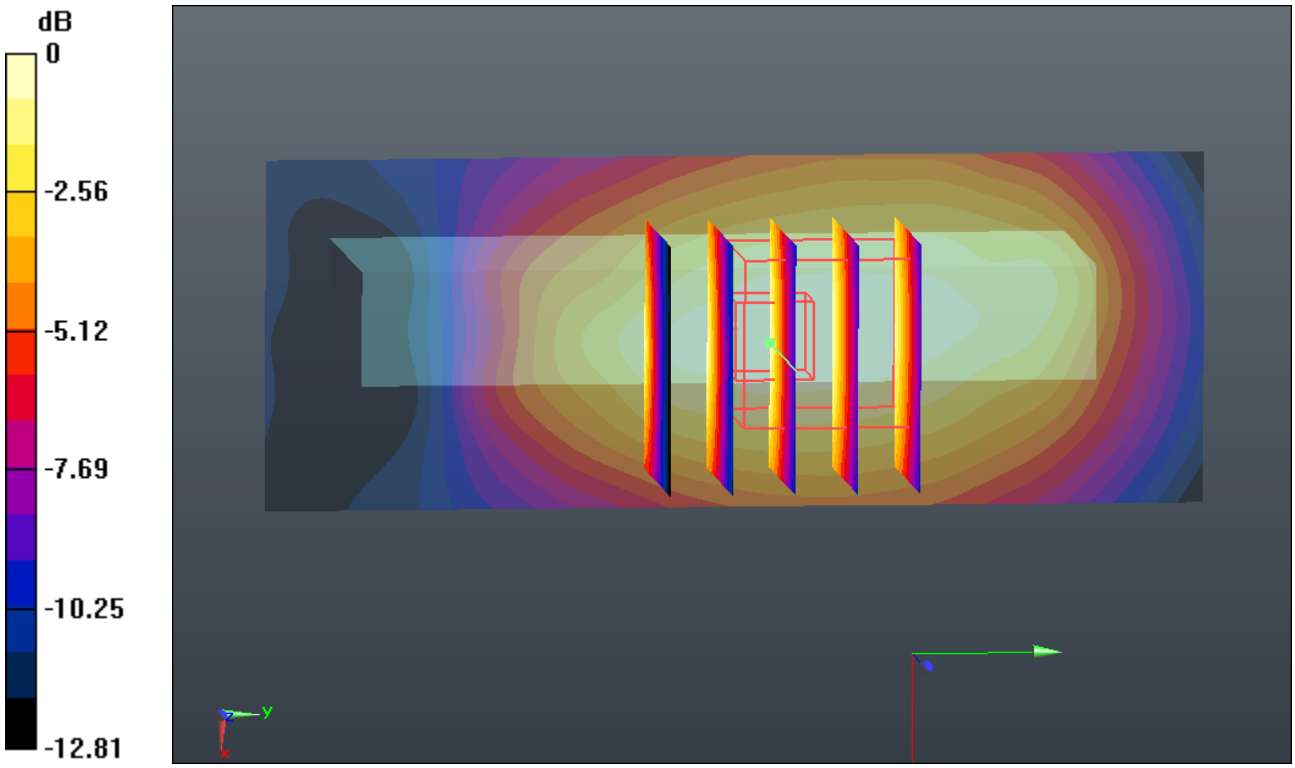
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.814 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.585 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.342 W/kg
SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 0.862 mW/g



0 dB = 0.860mW/g

#135 LTE Band 17_16QAM(1 0)_10M_Vertical Back_0.5cm_Ch23800_2D

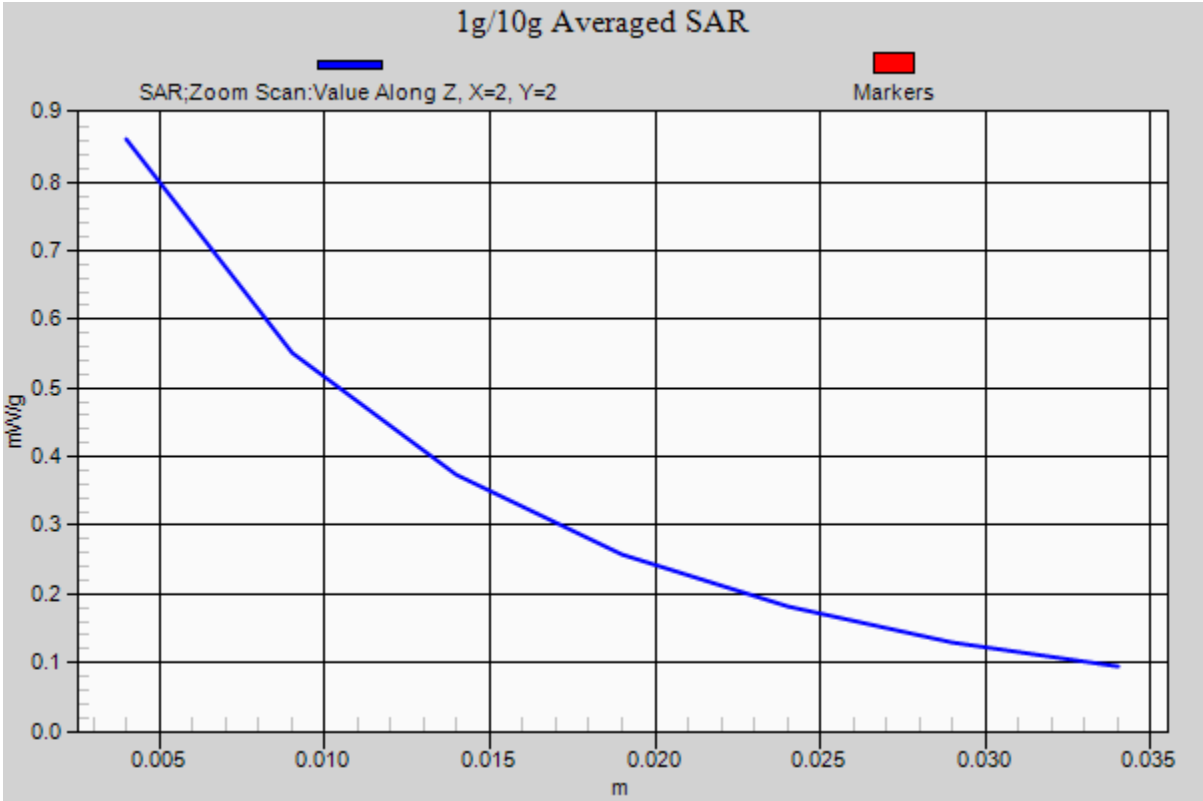
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.814 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 30.585 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.342 W/kg
SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 0.862 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#136 LTE Band 17_16QAM(1 0)_10M_Tip Mode_0.5cm_Ch23800

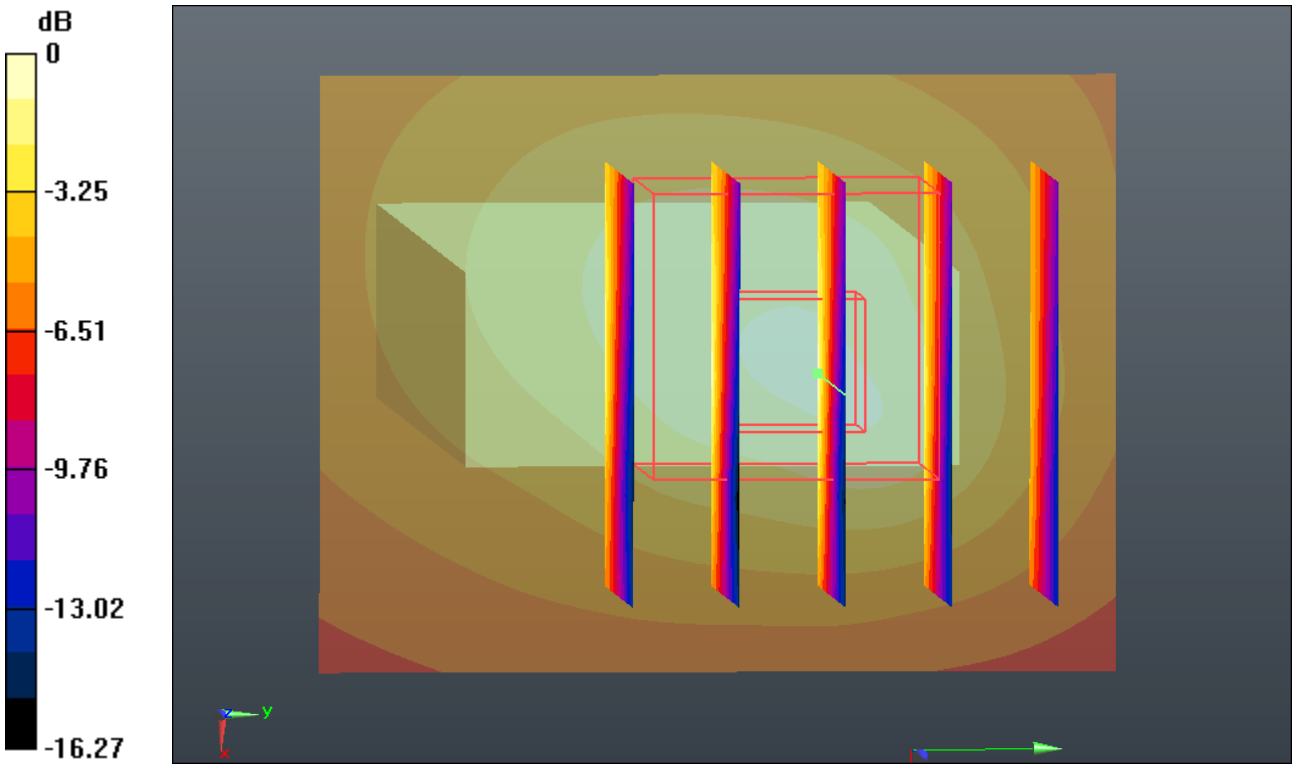
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.156 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.677 V/m; Power Drift = 0.123 dB
Peak SAR (extrapolated) = 0.354 W/kg
SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.086 mW/g
Maximum value of SAR (measured) = 0.186 mW/g



0 dB = 0.190mW/g

#137 LTE Band 17_16QAM(1 49)_10M_Horizontal Up_0.5cm_Ch23800

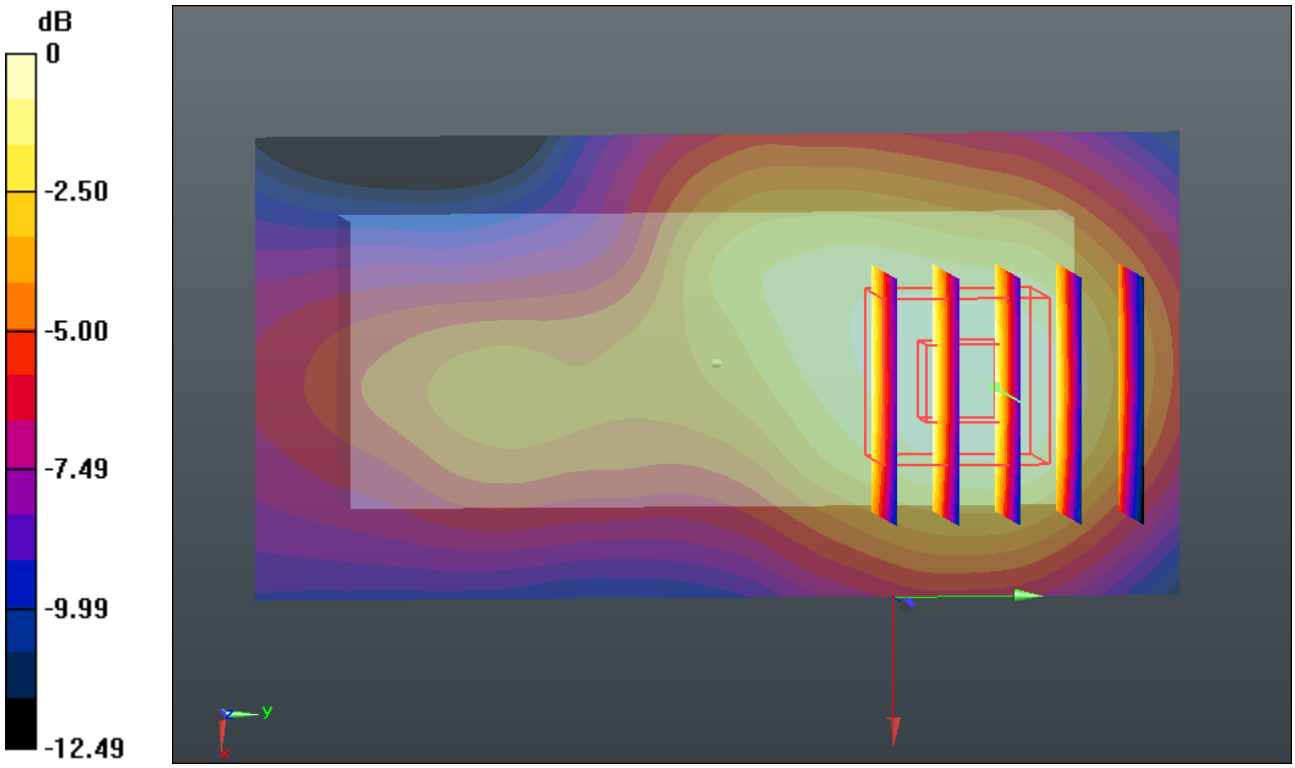
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.518 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.477 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.700 W/kg
SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.517 mW/g



0 dB = 0.520mW/g

#138 LTE Band 17_16QAM(1 49)_10M_Horizontal Down_0.5cm_Ch23800

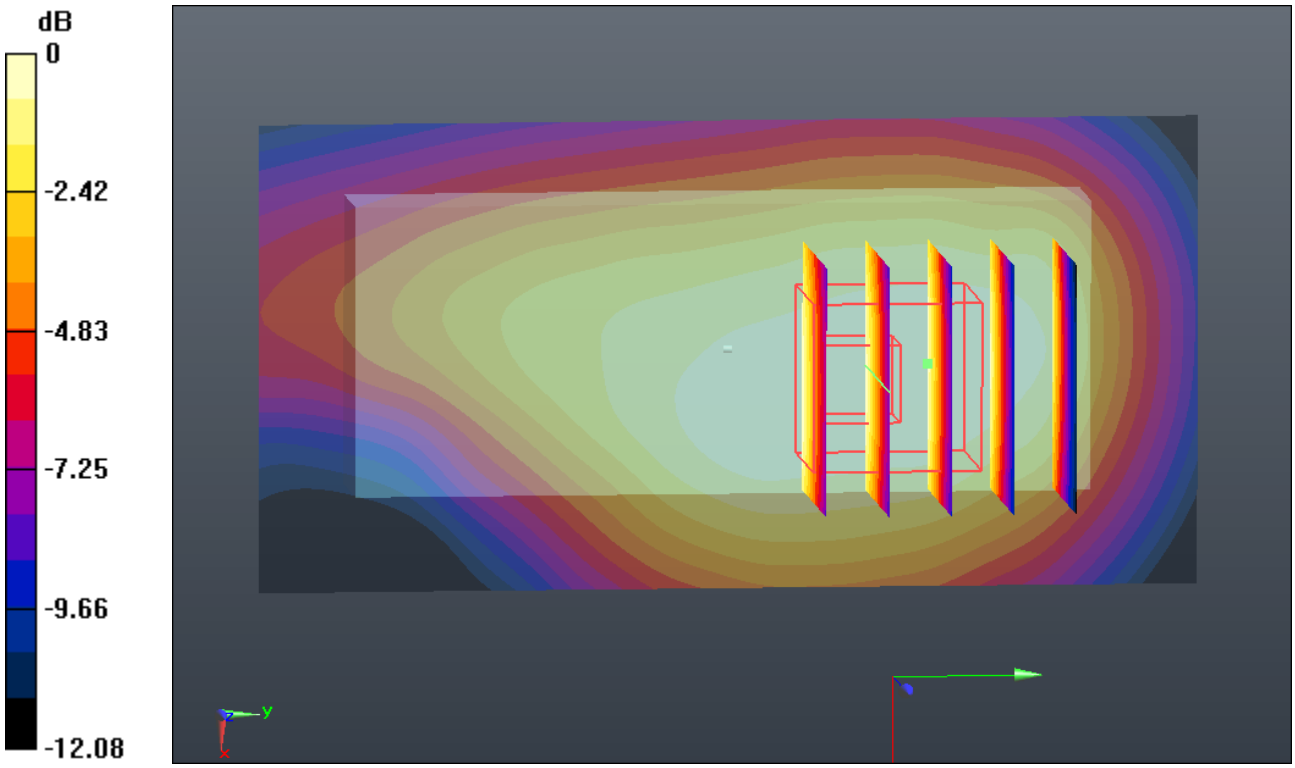
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.605 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.835 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.414 mW/g
Maximum value of SAR (measured) = 0.612 mW/g



0 dB = 0.610mW/g

#139 LTE Band 17_16QAM(1 49)_10M_Vertical Front_0.5cm_Ch23800

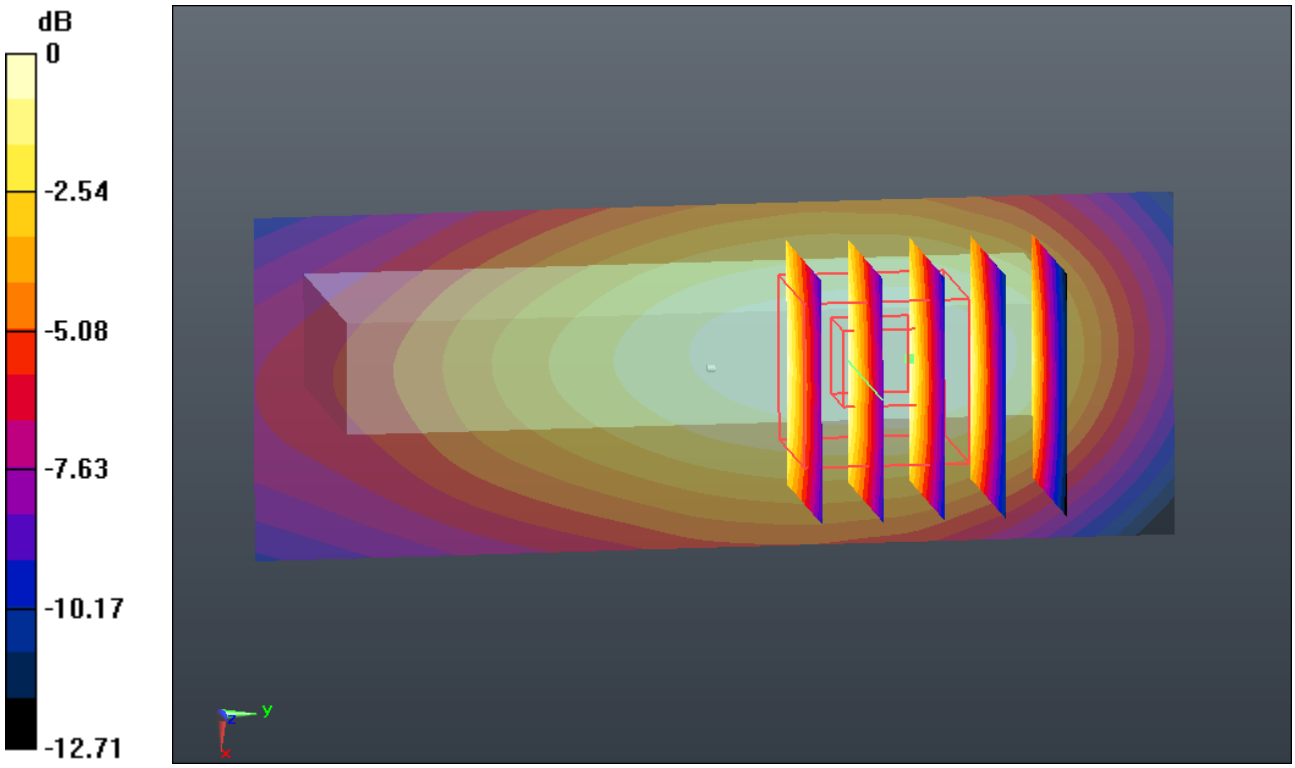
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.371 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.242 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.485 W/kg
SAR(1 g) = 0.338 mW/g; SAR(10 g) = 0.226 mW/g
Maximum value of SAR (measured) = 0.362 mW/g



0 dB = 0.360mW/g

#140 LTE Band 17_16QAM(1 49)_10M_Vertical Back_0.5cm_Ch23800

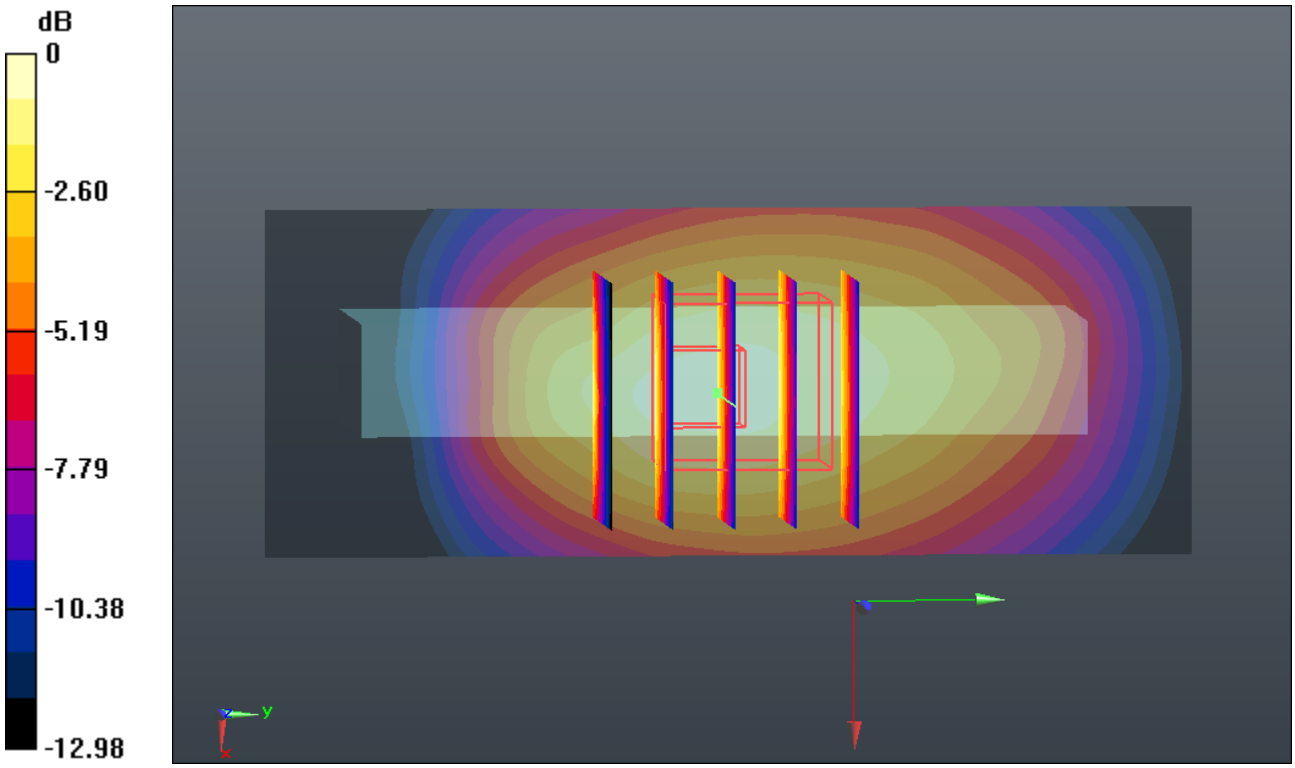
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.004 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.678 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.797 W/kg
SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.582 mW/g
Maximum value of SAR (measured) = 1.111 mW/g



0 dB = 1.110mW/g

#140 LTE Band 17_16QAM(1 49)_10M_Vertical Back_0.5cm_Ch23800_2D

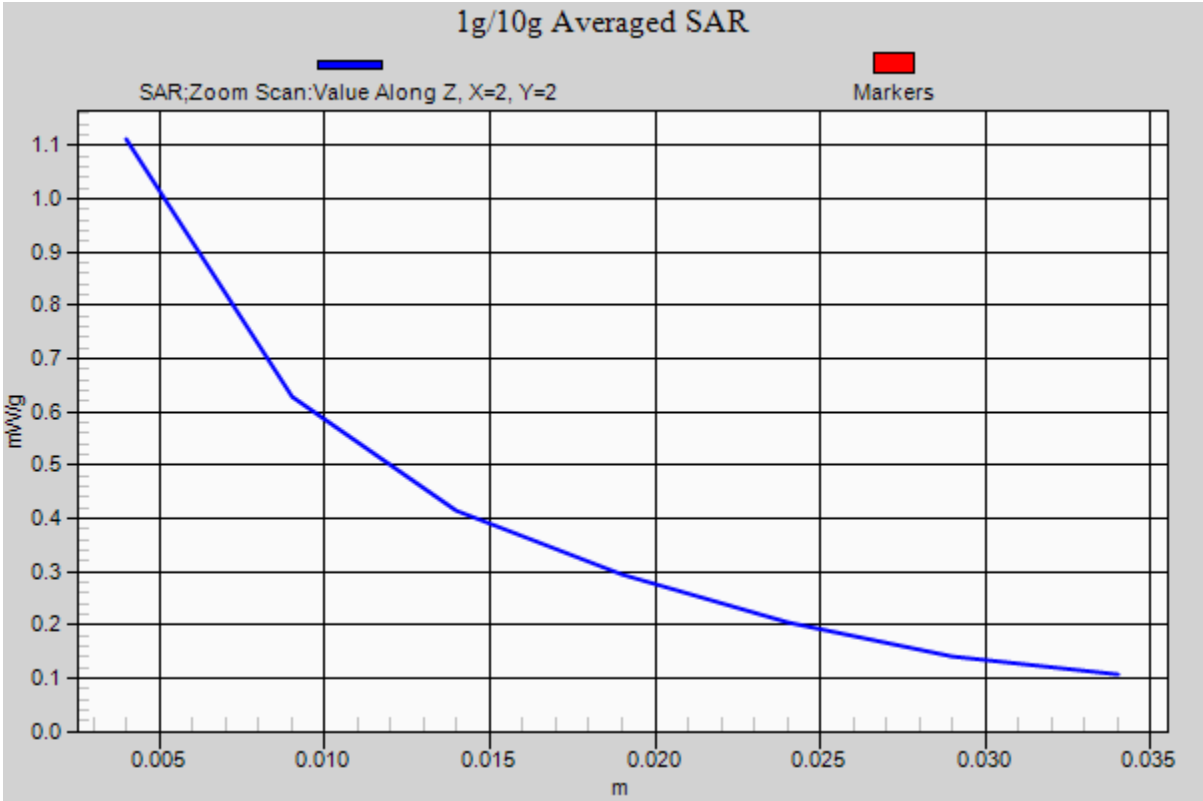
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.004 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.678 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.797 W/kg
SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.582 mW/g
Maximum value of SAR (measured) = 1.111 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
0.035
m

#141 LTE Band 17_16QAM(1 49)_10M_Tip Mode_0.5cm_Ch23800

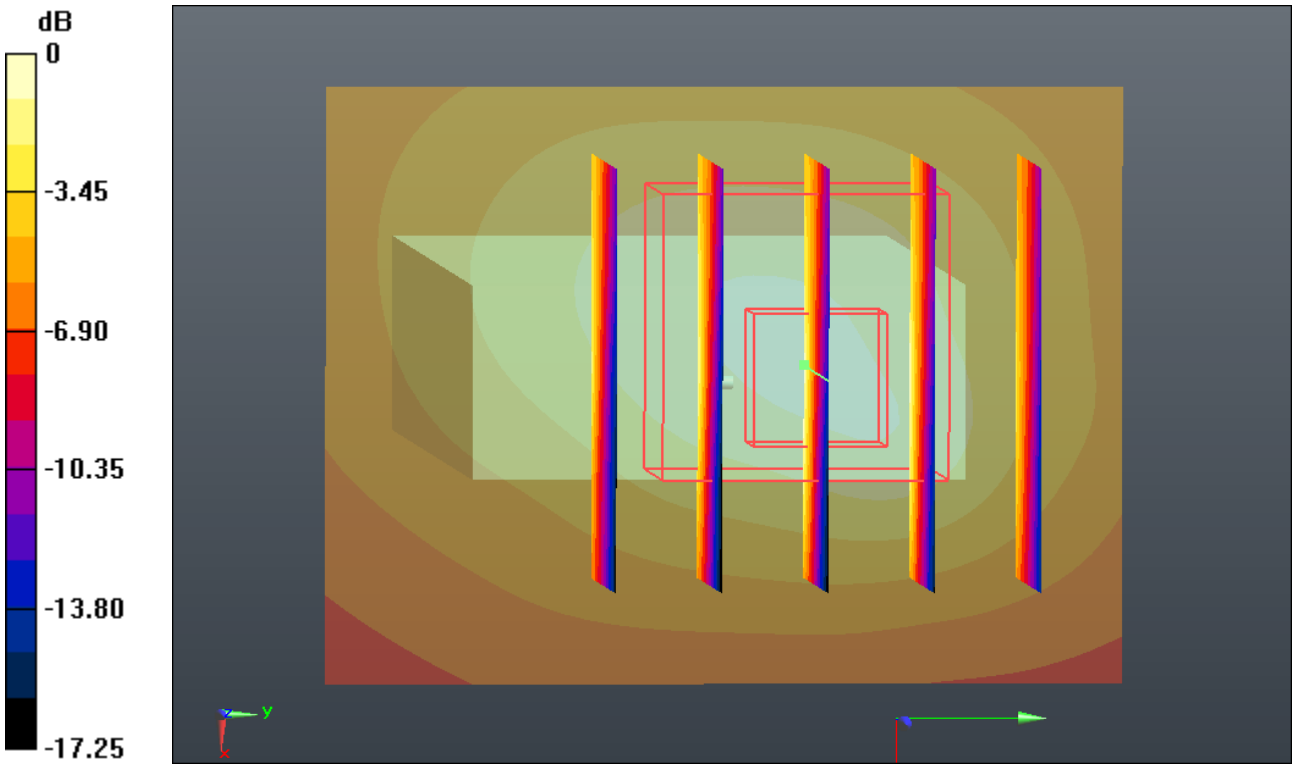
DUT: 1D3102

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: MSL_750_120321 Medium parameters used: f = 711 MHz; σ = 0.944 mho/m; ε_r = 55.542; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(8.79, 8.79, 8.79); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch23800/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.124 mW/g

Ch23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.256 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.253 W/kg
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.067 mW/g
Maximum value of SAR (measured) = 0.145 mW/g



0 dB = 0.150mW/g

#30 LTE Band 4_QPSK(50 25)_20M_Horizontal Up_0.5cm_Ch20175

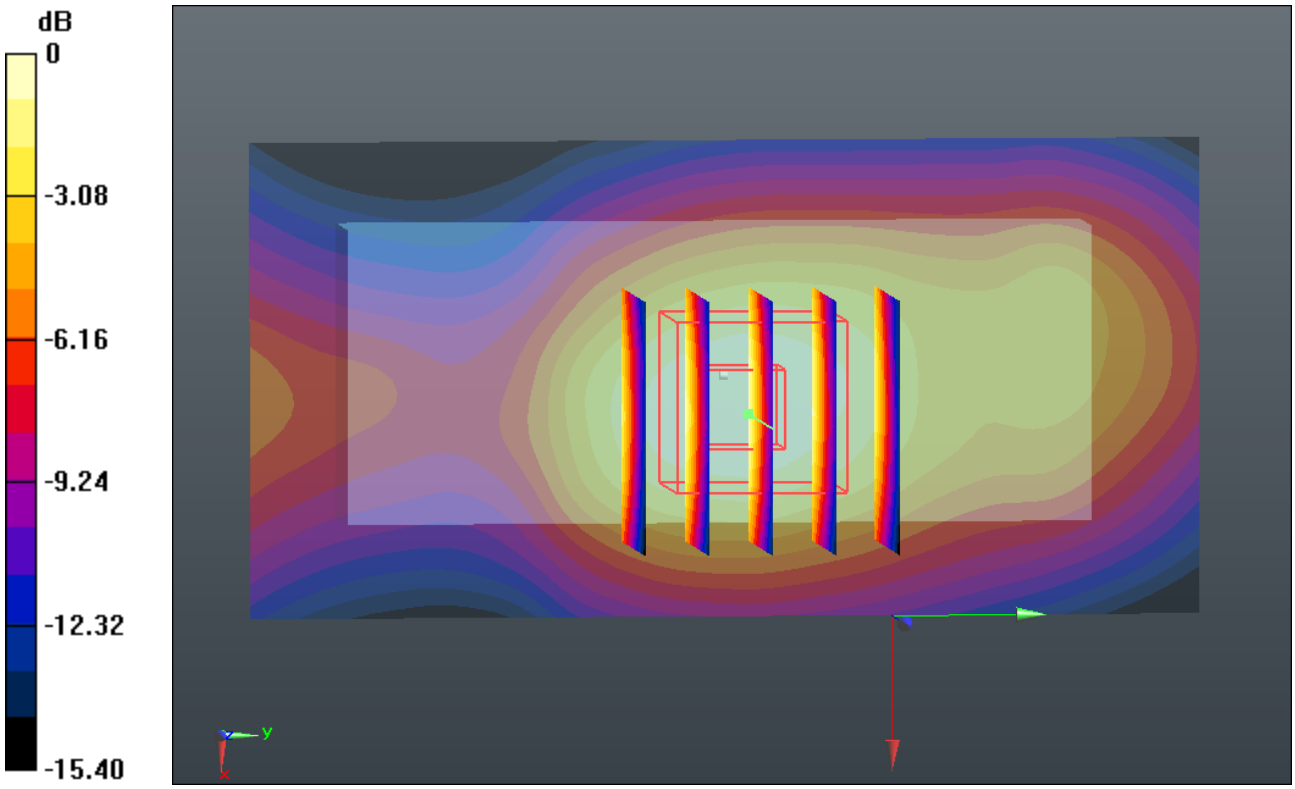
DUT: 1D3102

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1732.5 MHz; σ = 1.511 mho/m; ε_r = 54.618; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.992 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.511 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.353 W/kg
SAR(1 g) = 0.872 mW/g; SAR(10 g) = 0.519 mW/g
Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.950mW/g

#31 LTE Band 4_QPSK(50 25)_20M_Horizontal Down_0.5cm_Ch20175

DUT: 1D3102

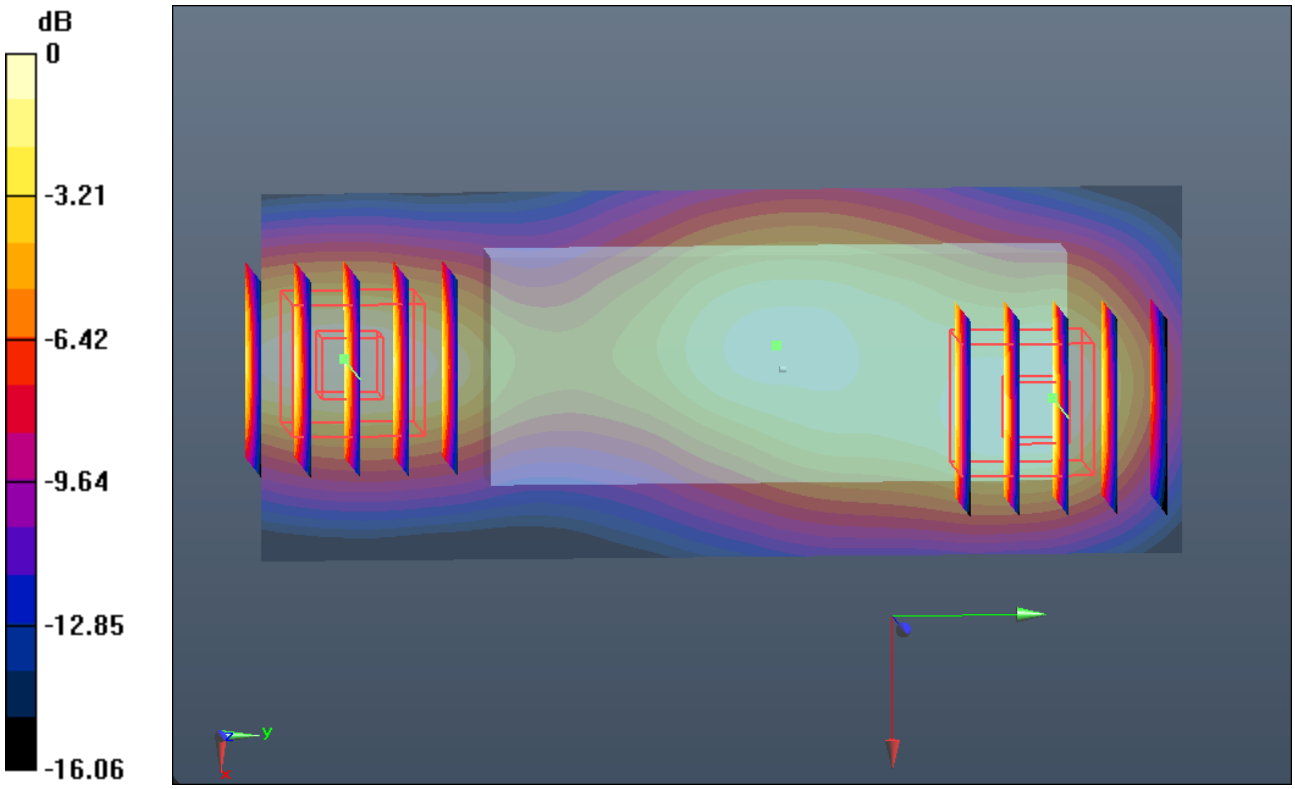
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1732.5 MHz; σ = 1.511 mho/m; ε_r = 54.618; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.818 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.238 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.437 W/kg
SAR(1 g) = 0.748 mW/g; SAR(10 g) = 0.389 mW/g
Maximum value of SAR (measured) = 0.831 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.238 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.138 W/kg
SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.739 mW/g



0 dB = 0.740mW/g

#32 LTE Band 4_QPSK(50 25)_20M_Vertical Front_0.5cm_Ch20175

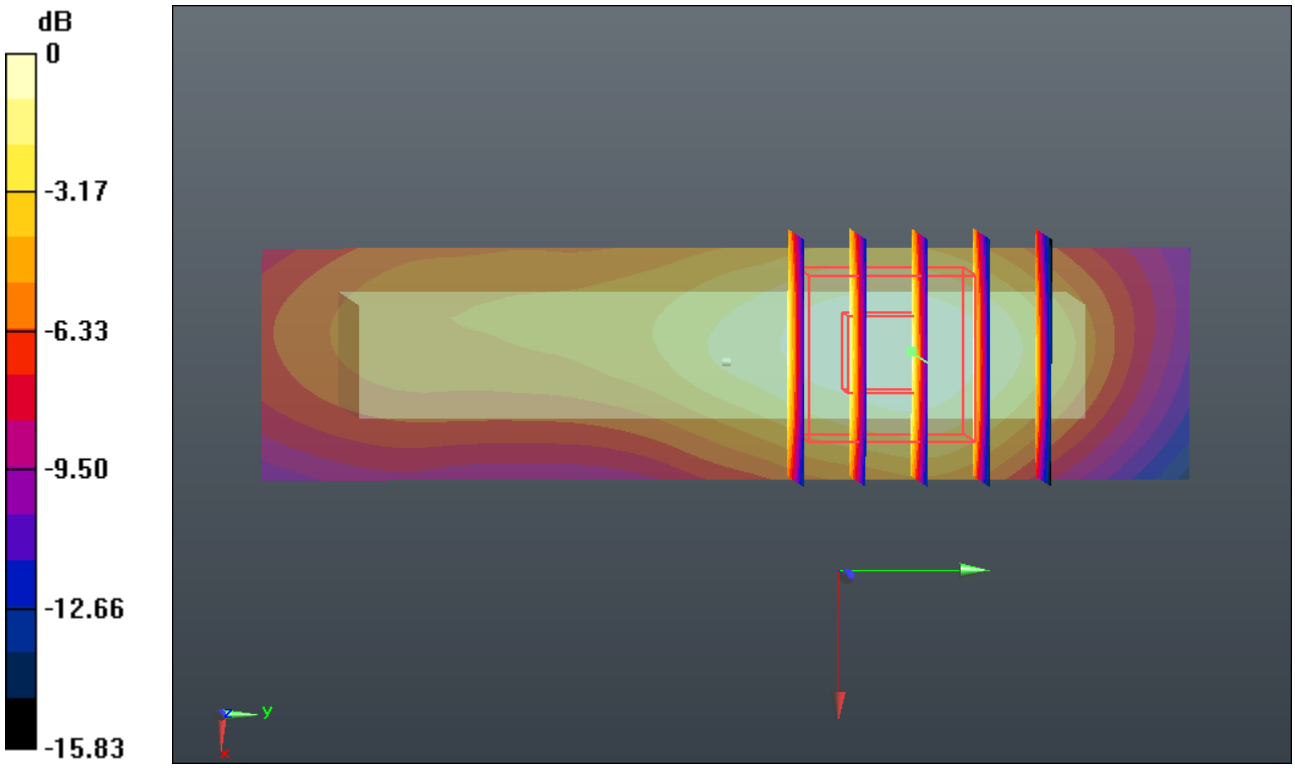
DUT: 1D3102

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1732.5 MHz; σ = 1.511 mho/m; ε_r = 54.618; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.713 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.747 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.036 W/kg
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.373 mW/g
Maximum value of SAR (measured) = 0.693 mW/g



0 dB = 0.690mW/g

#33 LTE Band 4_QPSK(50 25)_20M_Vertical Back_0.5cm_Ch20175

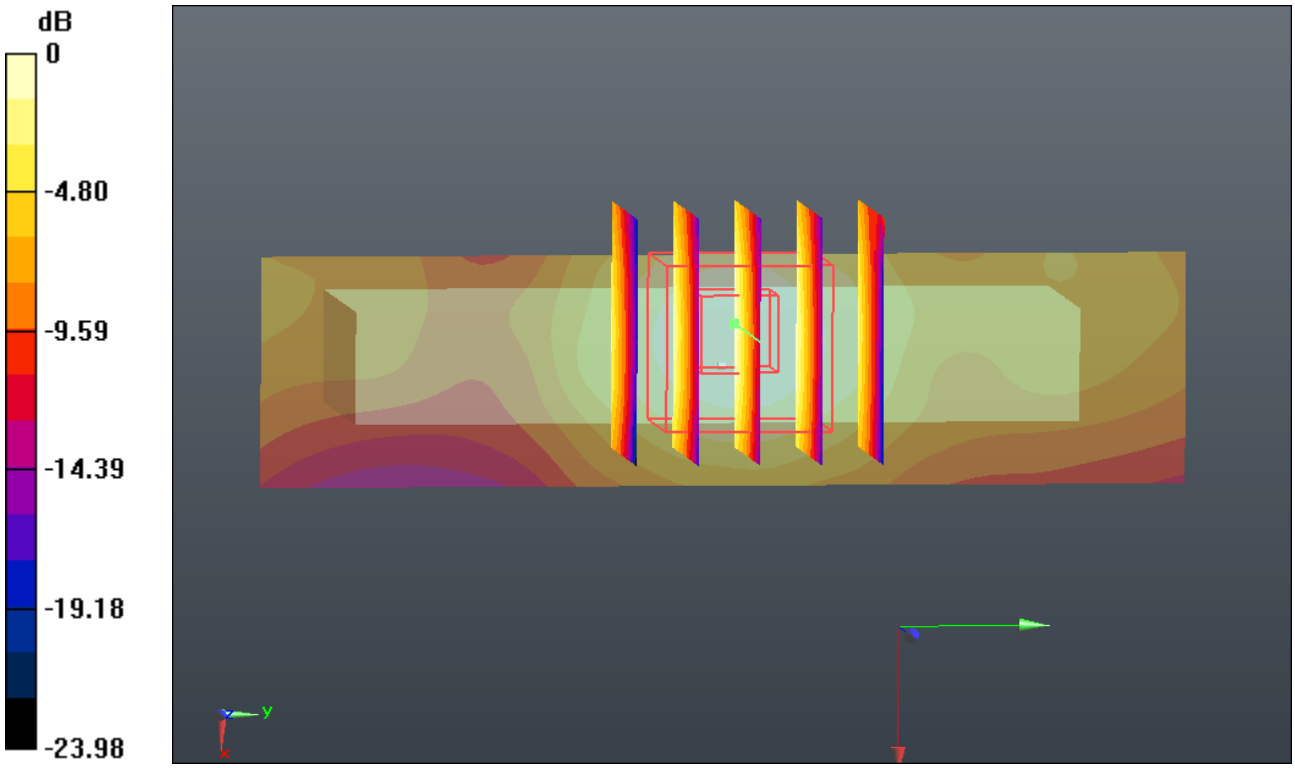
DUT: 1D3102

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1732.5 MHz; σ = 1.511 mho/m; ε_r = 54.618; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.275 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.394 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.272 mW/g



0 dB = 0.270mW/g

#34 LTE Band 4_QPSK(50 25)_20M_Tip Mode_0.5cm_Ch20175

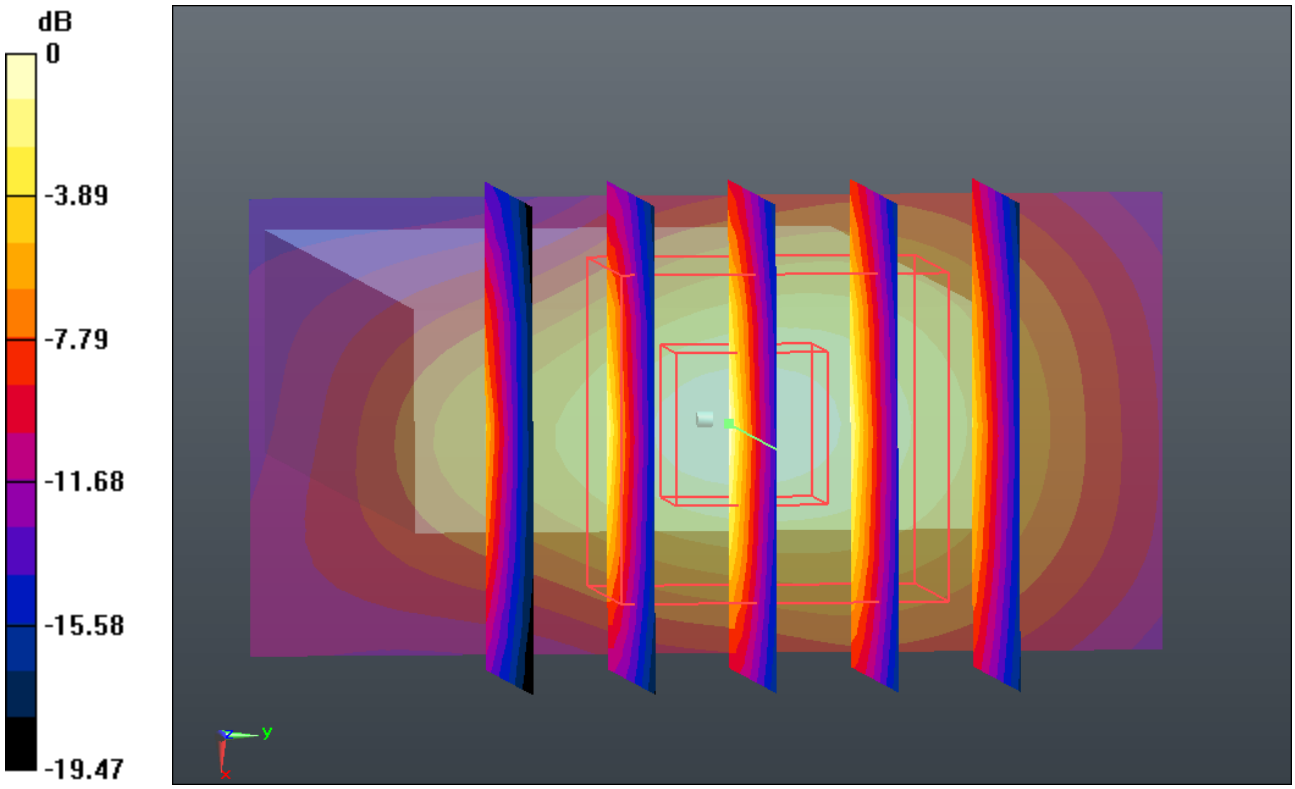
DUT: 1D3102

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1732.5 MHz; σ = 1.511 mho/m; ε_r = 54.618; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.767 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.885 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.360 W/kg
SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.288 mW/g
Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.800mW/g

#64 LTE Band 4_QPSK(50 25)_20M_Horizontal Up_0.5cm_Ch20050

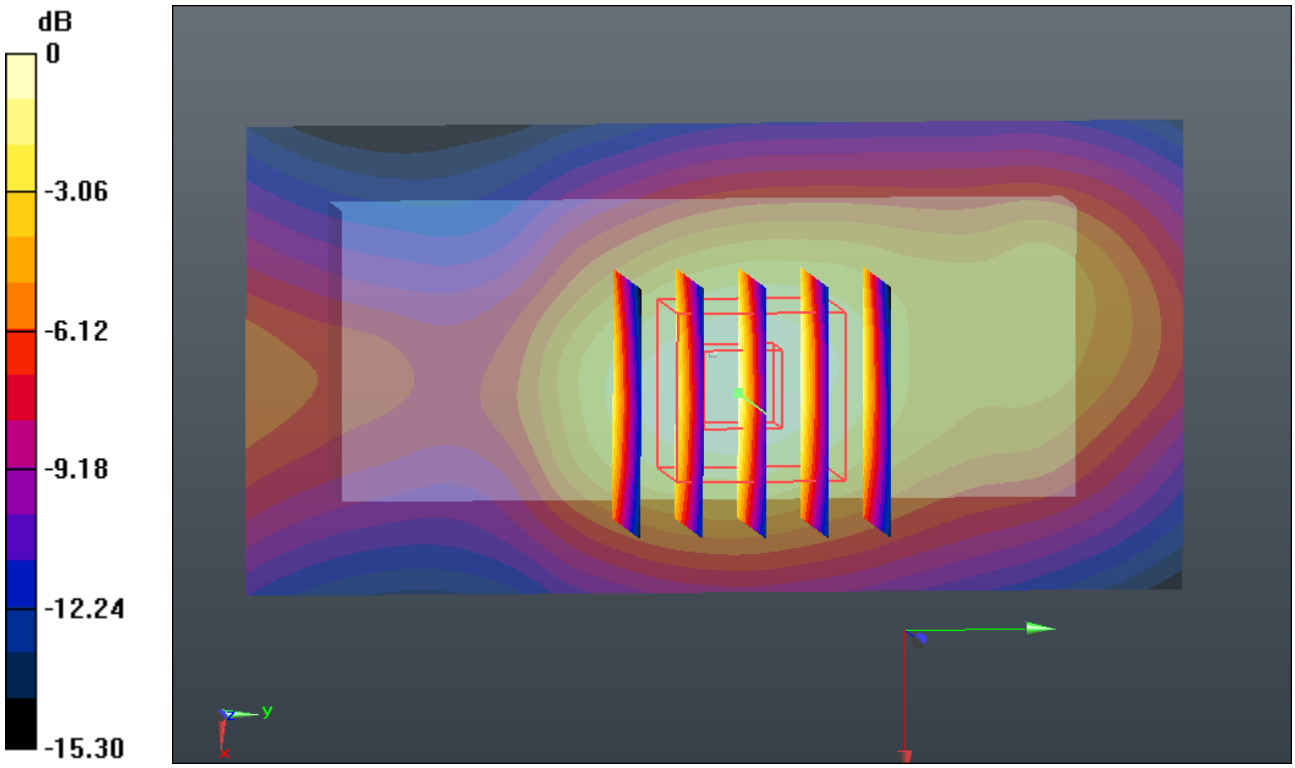
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.740 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.488 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.019 W/kg
SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.397 mW/g
Maximum value of SAR (measured) = 0.725 mW/g



0 dB = 0.720mW/g

#65 LTE Band 4_QPSK(50 25)_20M_Horizontal Up_0.5cm_Ch20300

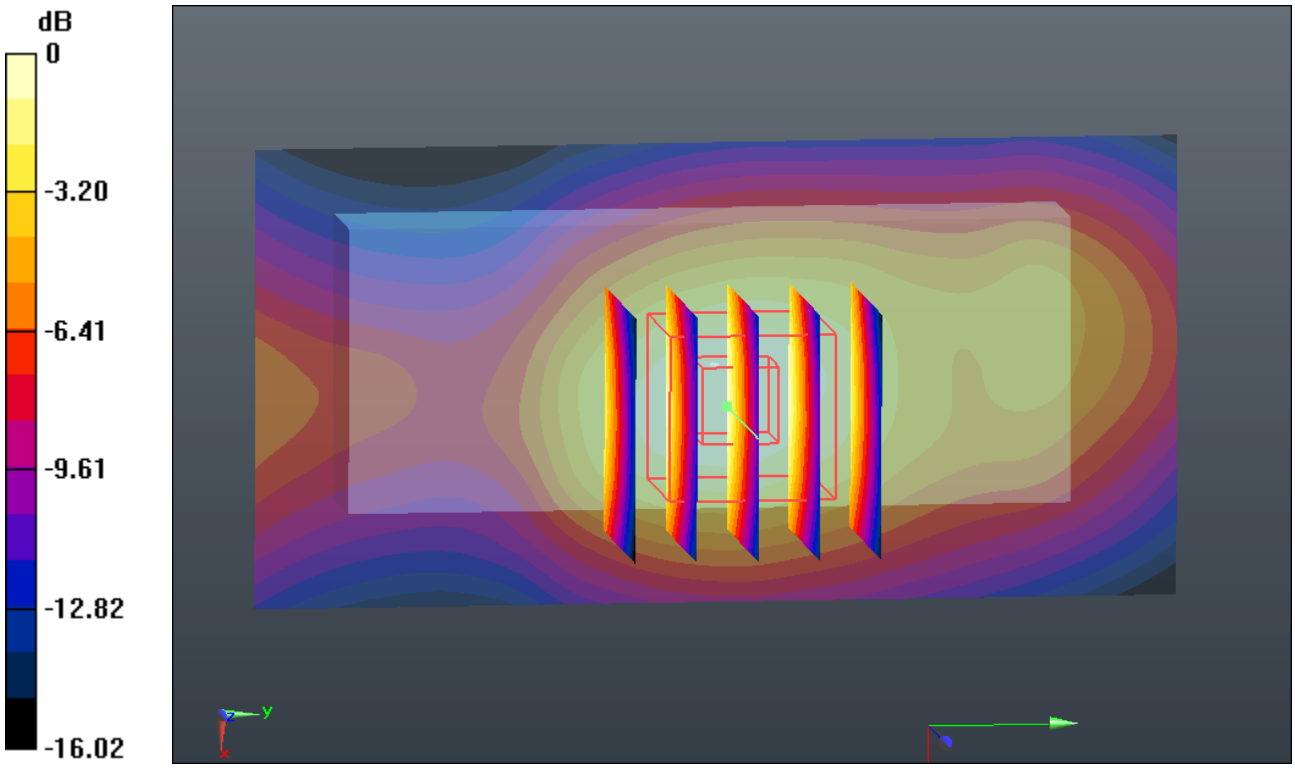
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.047 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.370 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.469 W/kg
SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.560 mW/g
Maximum value of SAR (measured) = 1.031 mW/g



0 dB = 1.030mW/g

#65 LTE Band 4_QPSK(50 25)_20M_Horizontal Up_0.5cm_Ch20300_2D

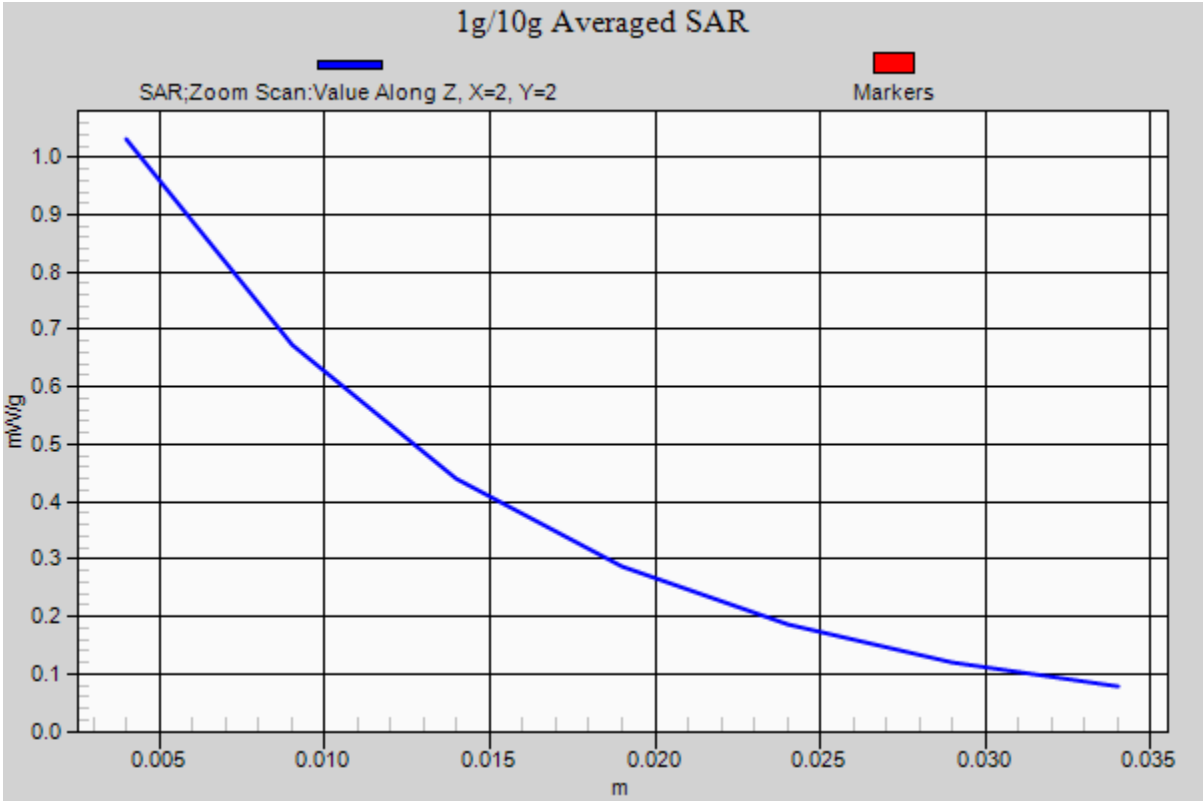
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.047 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.370 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.469 W/kg
SAR(1 g) = 0.942 mW/g; SAR(10 g) = 0.560 mW/g
Maximum value of SAR (measured) = 1.031 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#37 LTE Band 4_QPSK(1 0)_20M_Horizontal Up_0.5cm_Ch20050

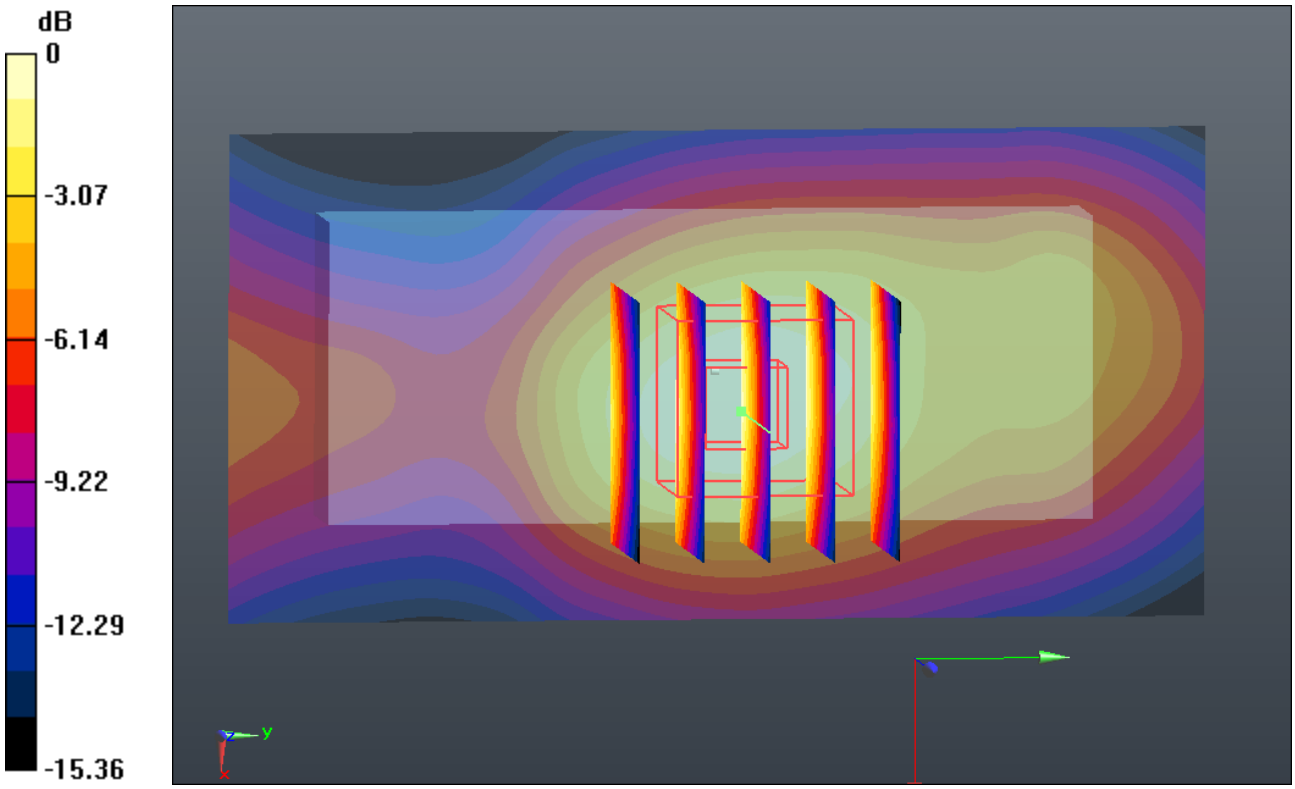
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.904 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.750 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.228 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.485 mW/g
Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.880mW/g

#37 LTE Band 4_QPSK(1 0)_20M_Horizontal Up_0.5cm_Ch20050_2D

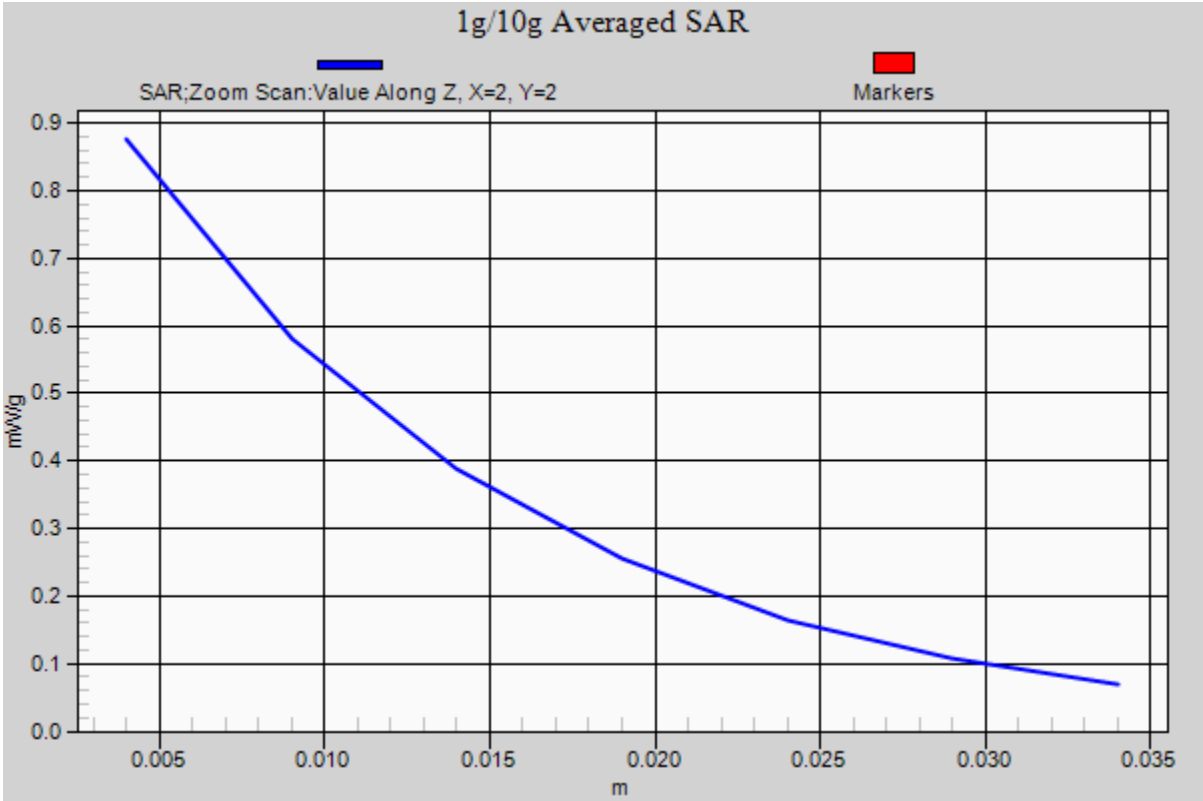
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.904 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.750 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.228 W/kg
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.485 mW/g
Maximum value of SAR (measured) = 0.876 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#38 LTE Band 4_QPSK(1 0)_20M_Horizontal Down_0.5cm_Ch20050

DUT: 1D3102

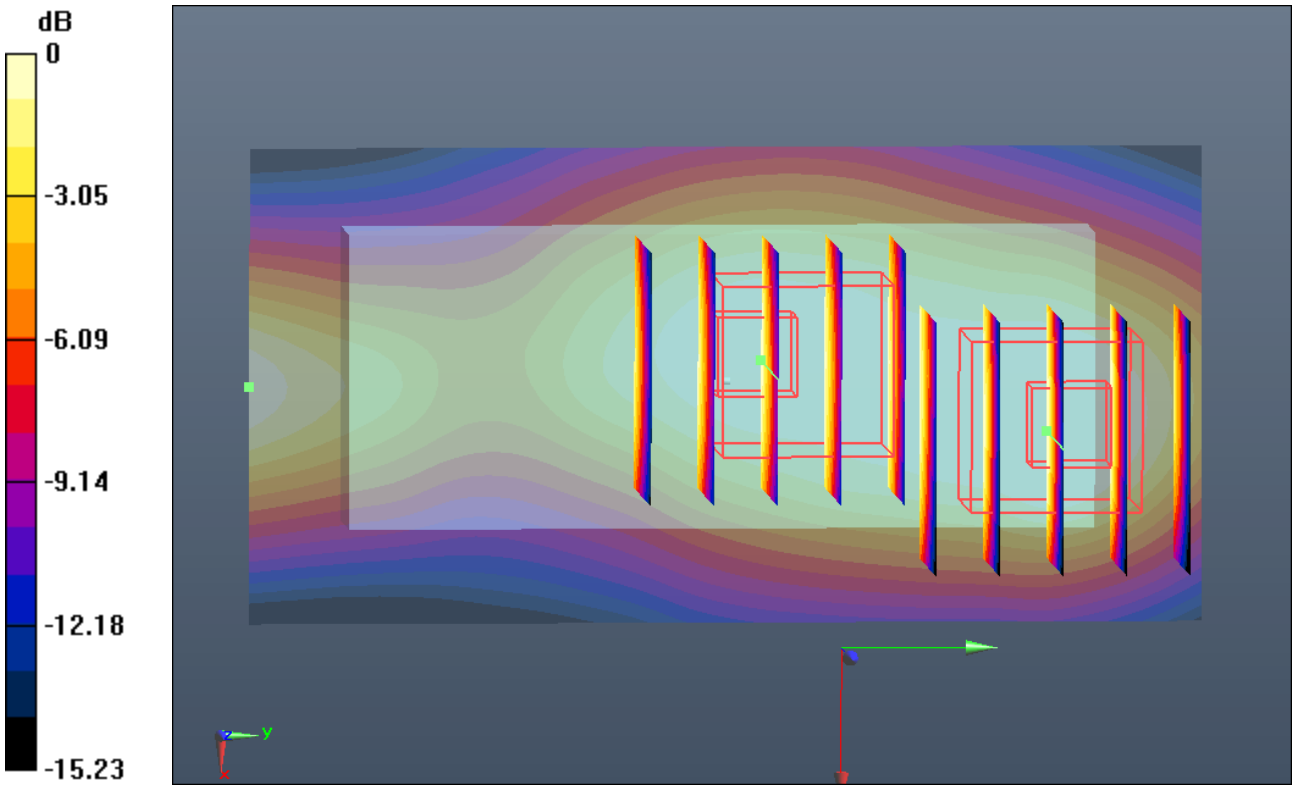
Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.812 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.118 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.366 W/kg
SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.811 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.118 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.874 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.384 mW/g
Maximum value of SAR (measured) = 0.629 mW/g



0 dB = 0.630mW/g

#39 LTE Band 4_QPSK(1 0)_20M_Vertical Front_0.5cm_Ch20050

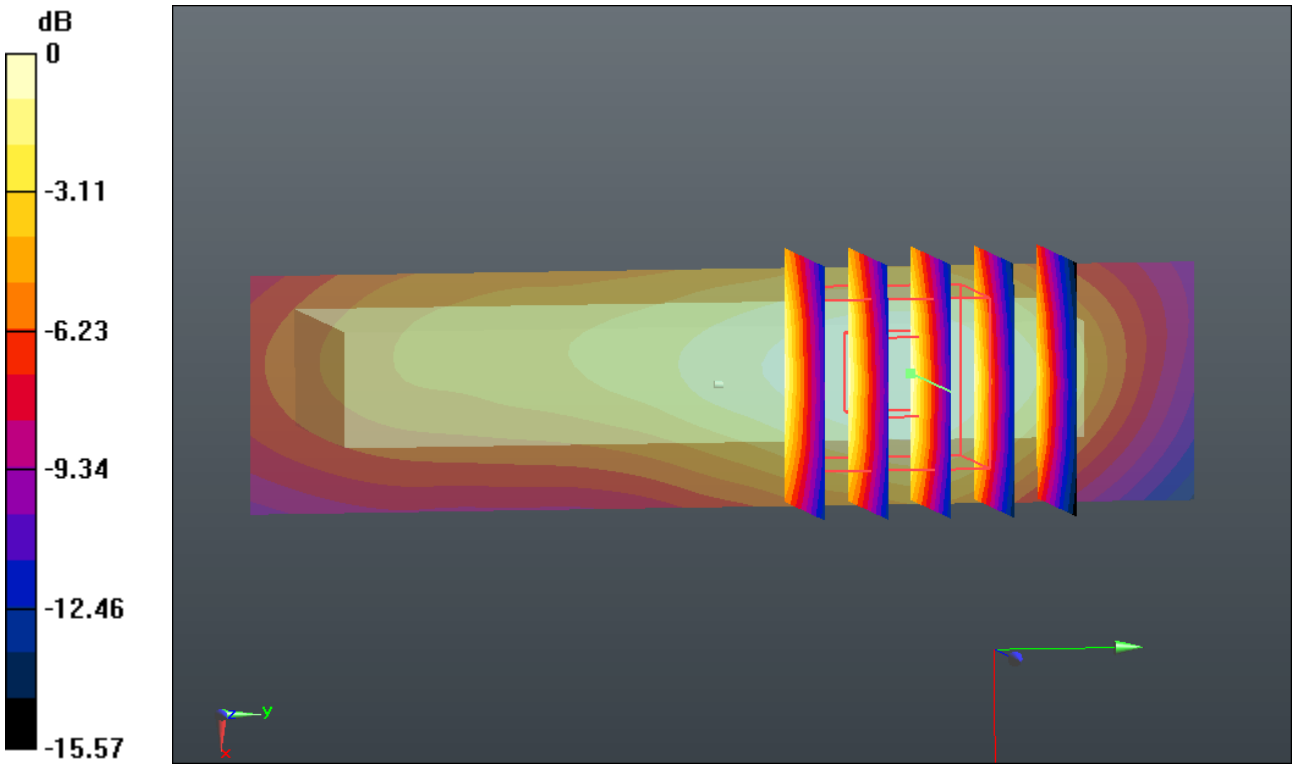
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.720 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.641 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.983 W/kg
SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.357 mW/g
Maximum value of SAR (measured) = 0.669 mW/g



0 dB = 0.670mW/g

#40 LTE Band 4_QPSK(1 0)_20M_Vertical Back_0.5cm_Ch20050

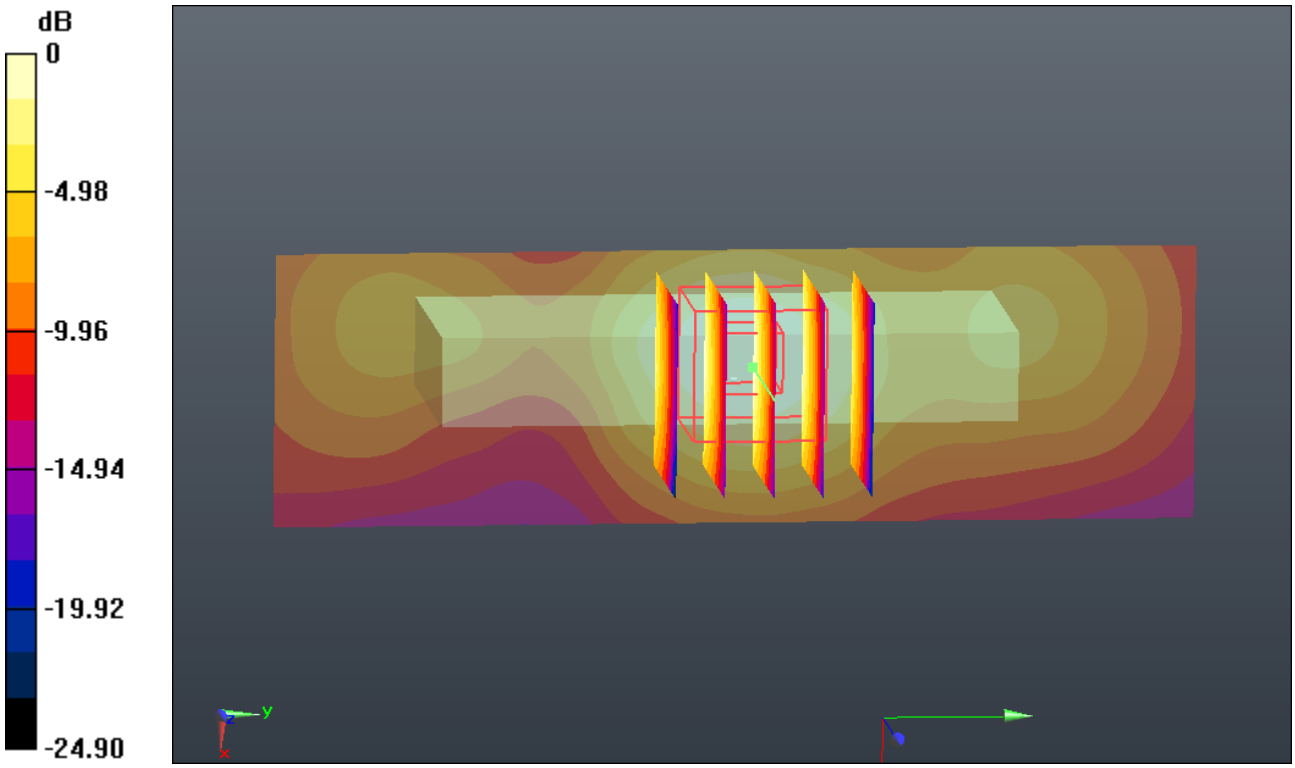
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.282 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.732 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.401 W/kg
SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.267 mW/g



0 dB = 0.270mW/g

#41 LTE Band 4_QPSK(1 0)_20M_Tip Mode_0.5cm_Ch20050

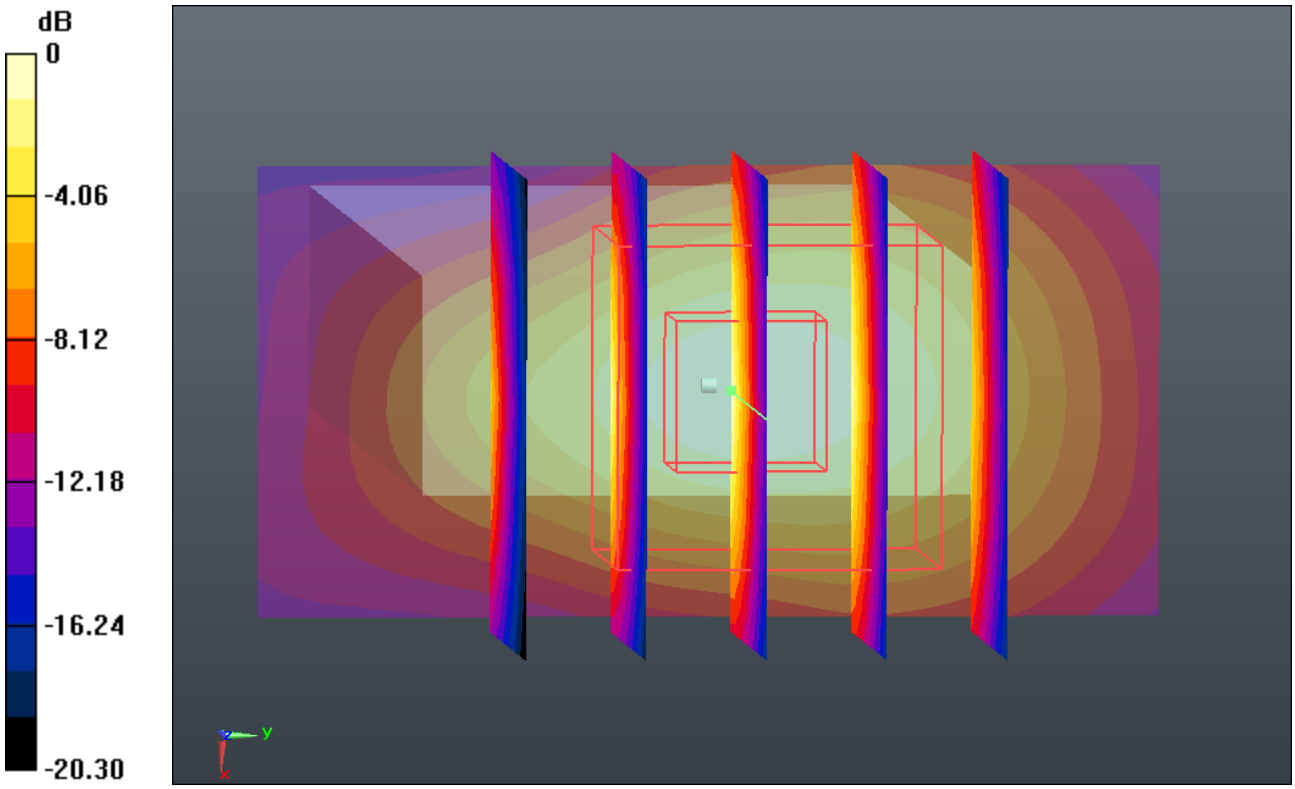
DUT: 1D3102

Communication System: LTE; Frequency: 1720 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1720 MHz; σ = 1.494 mho/m; ε_r = 54.683; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.833 mW/g

Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.145 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.399 W/kg
SAR(1 g) = 0.666 mW/g; SAR(10 g) = 0.295 mW/g
Maximum value of SAR (measured) = 0.813 mW/g



0 dB = 0.810mW/g

#42 LTE Band 4_QPSK(1 99)_20M_Horizontal Up_0.5cm_Ch20300

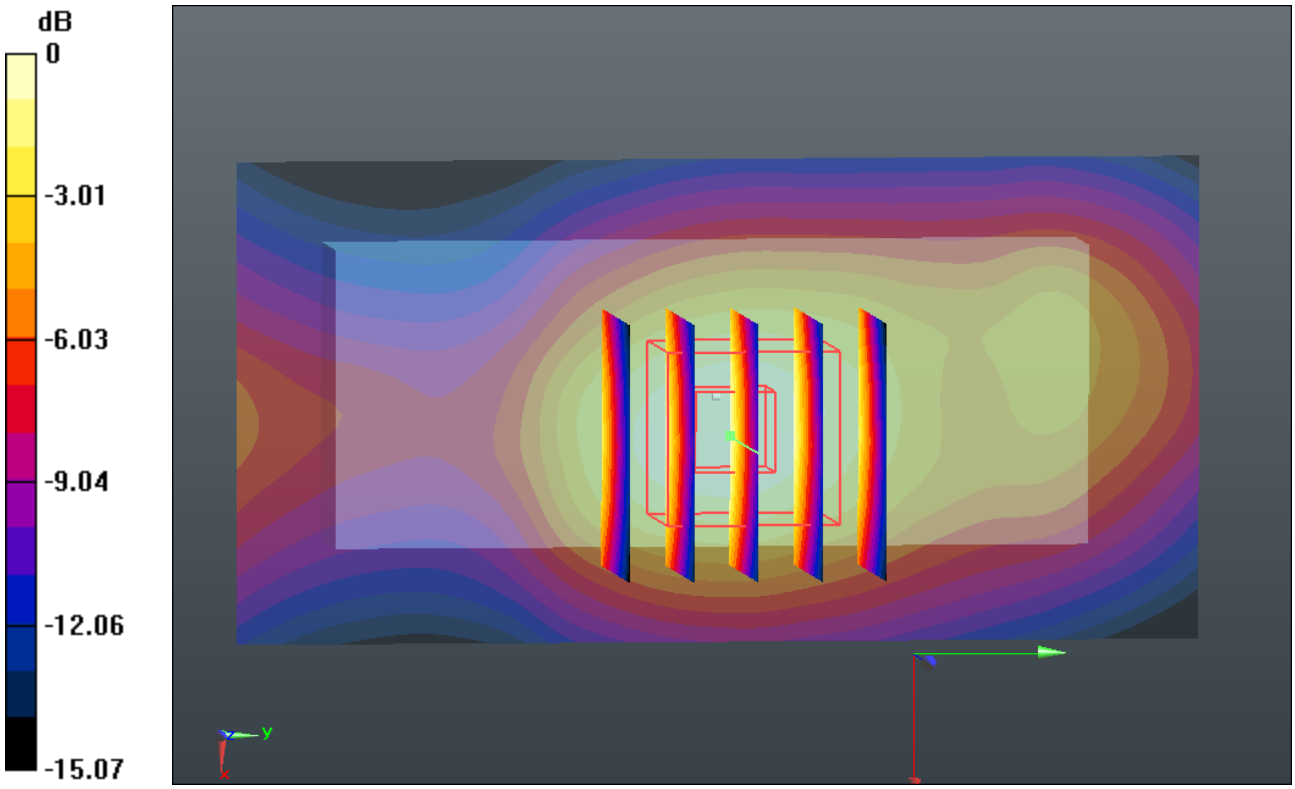
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.031 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.092 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.430 W/kg
SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.544 mW/g
Maximum value of SAR (measured) = 1.005 mW/g



0 dB = 1.010mW/g

#42 LTE Band 4_QPSK(1 99)_20M_Horizontal Up_0.5cm_Ch20300_2D

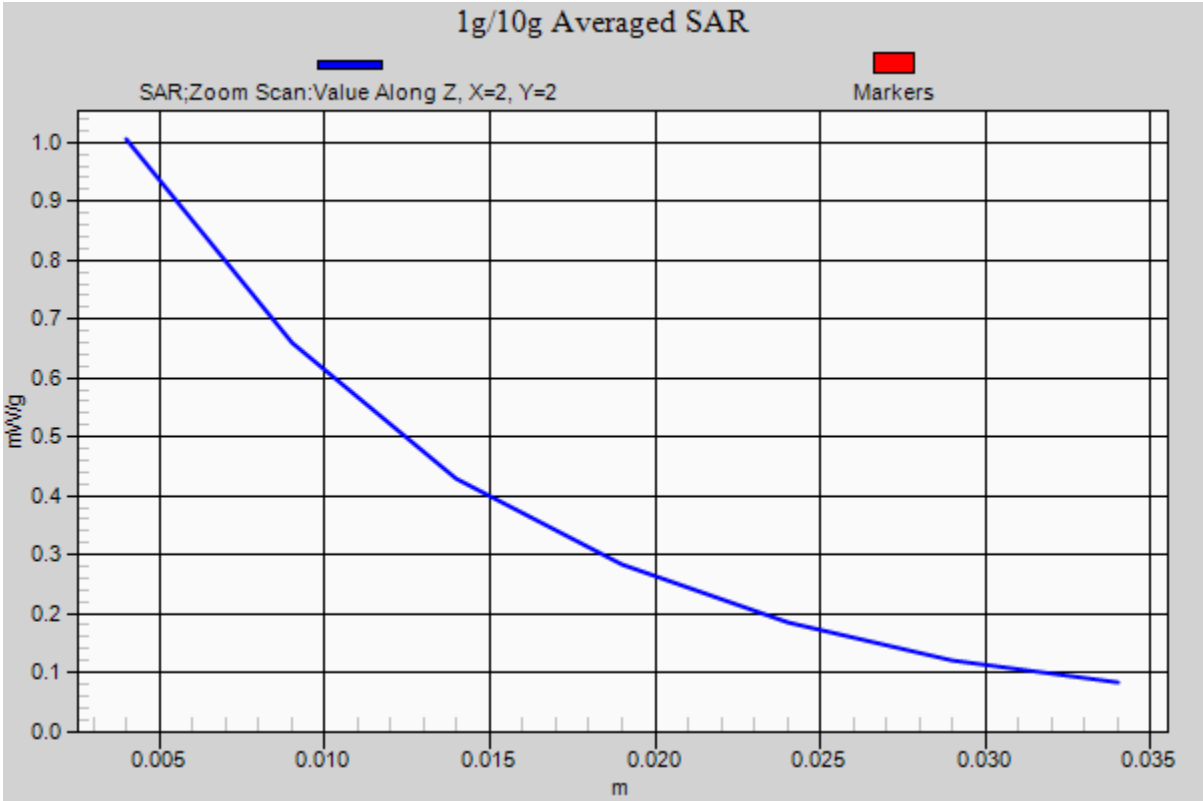
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.031 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.092 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.430 W/kg
SAR(1 g) = 0.916 mW/g; SAR(10 g) = 0.544 mW/g
Maximum value of SAR (measured) = 1.005 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#43 LTE Band 4_QPSK(1 99)_20M_Horizontal Down_0.5cm_Ch20300

DUT: 1D3102

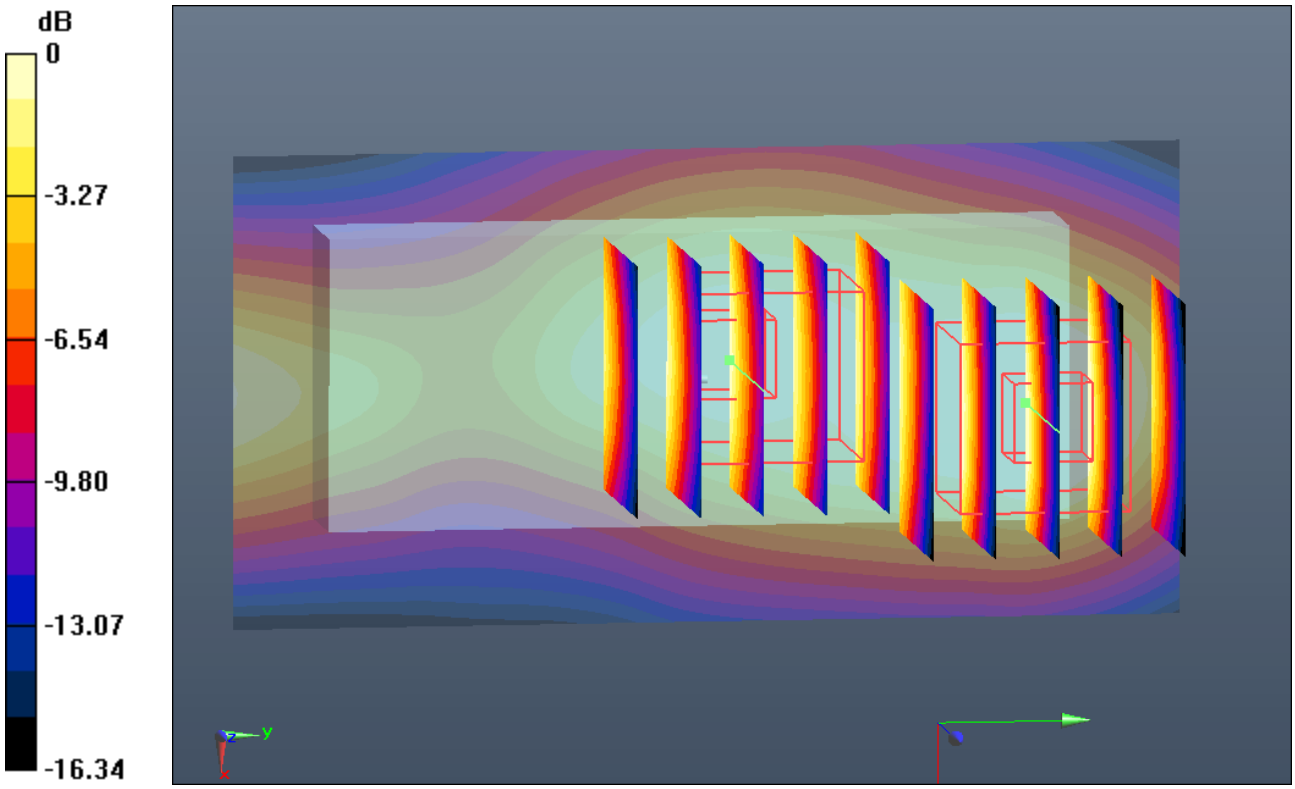
Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.861 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.122 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.451 W/kg
SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.395 mW/g
Maximum value of SAR (measured) = 0.819 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.122 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.892 W/kg
SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.656 mW/g



0 dB = 0.660mW/g

#44 LTE Band 4_QPSK(1 99)_20M_Vertical Front_0.5cm_Ch20300

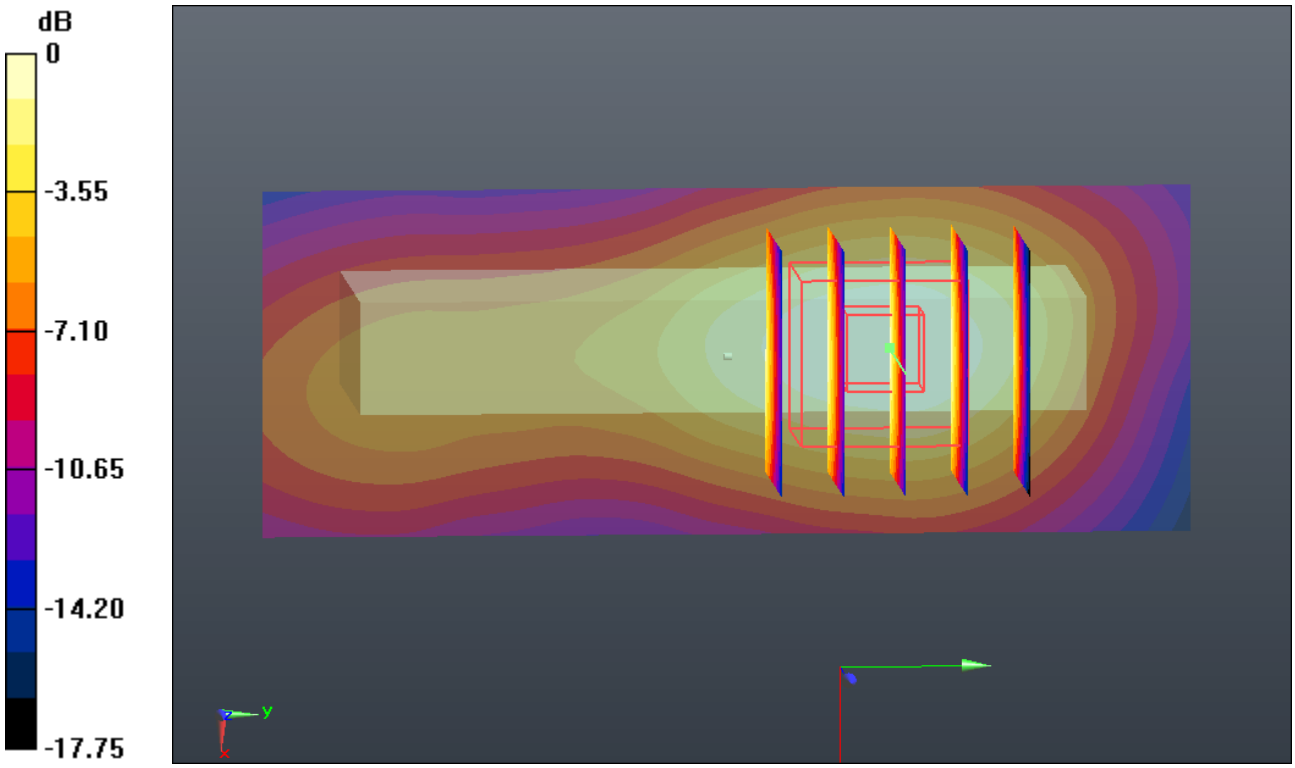
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.940 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.647 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.347 W/kg
SAR(1 g) = 0.811 mW/g; SAR(10 g) = 0.466 mW/g
Maximum value of SAR (measured) = 0.897 mW/g



0 dB = 0.900mW/g

#45 LTE Band 4_QPSK(1 99)_20M_Vertical Back_0.5cm_Ch20300

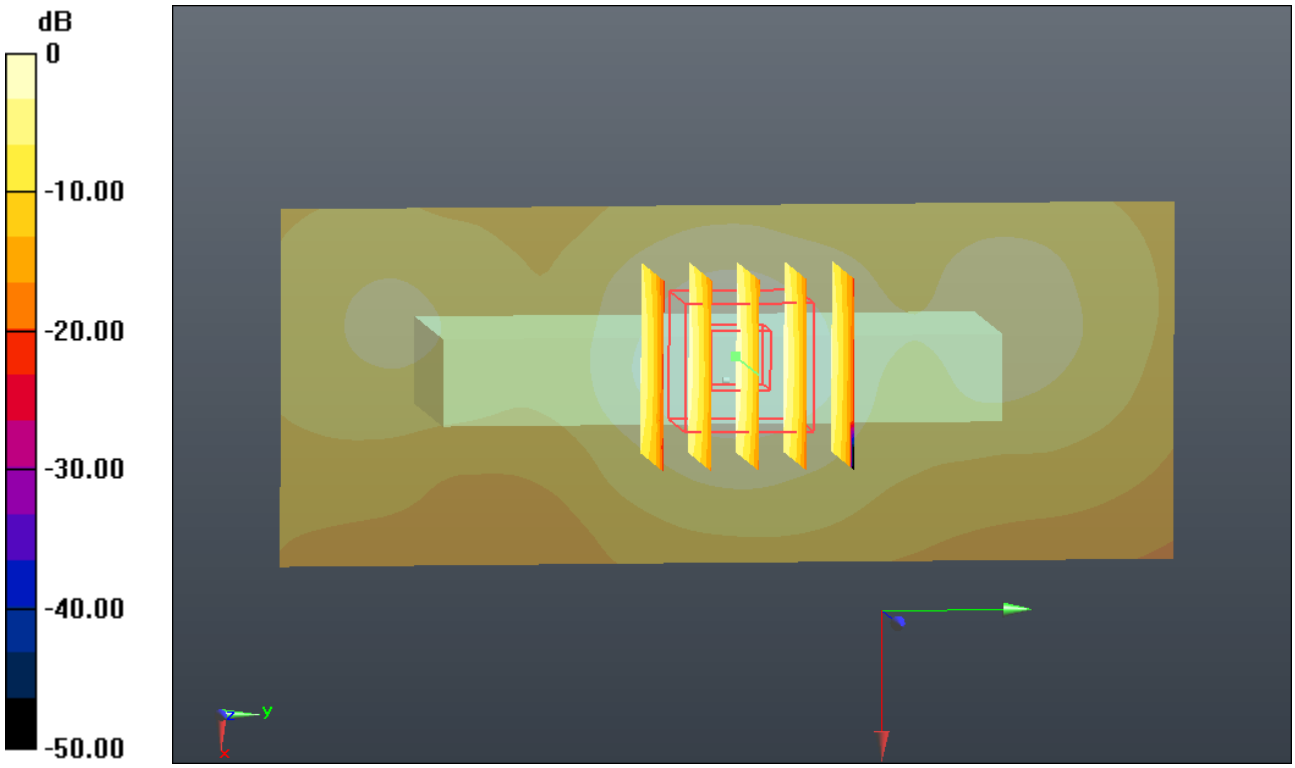
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.286 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.755 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.276 mW/g



0 dB = 0.280mW/g

#46 LTE Band 4_QPSK(1 99)_20M_Tip Mode_0.5cm_Ch20300

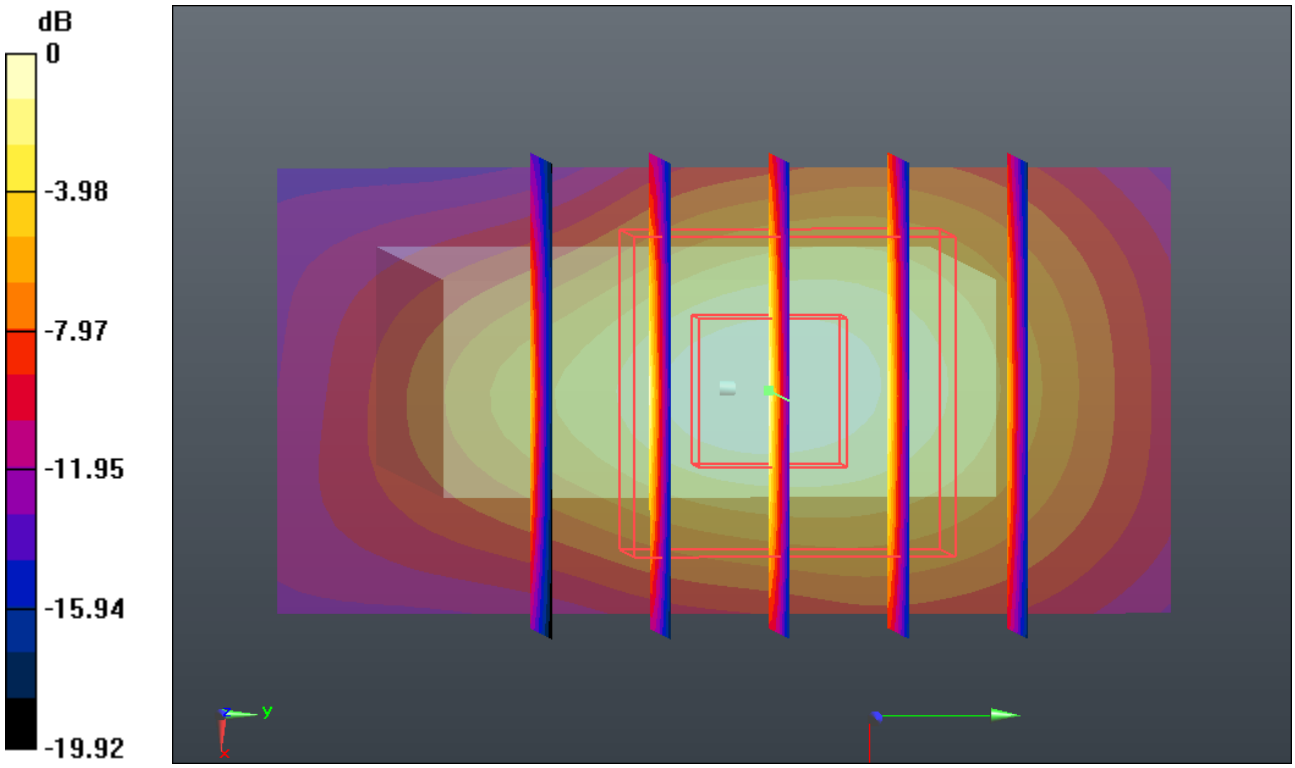
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.834 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.997 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.395 W/kg
SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 0.817 mW/g



0 dB = 0.820mW/g

#49 LTE Band 4_16QAM(50 25)_20M_Horizontal Up_0.5cm_Ch20300

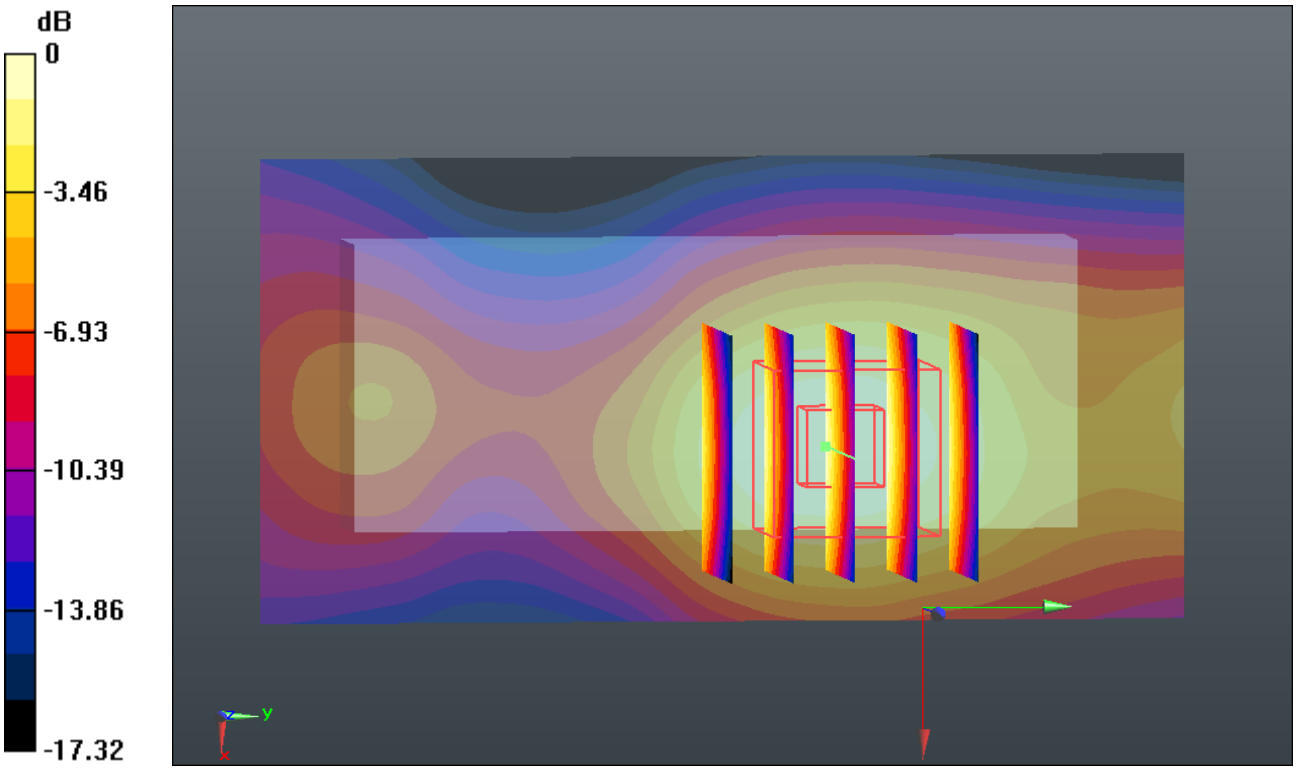
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.923 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.595 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.202 W/kg
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.467 mW/g
Maximum value of SAR (measured) = 0.859 mW/g



0 dB = 0.860mW/g

#49 LTE Band 4_16QAM(50 25)_20M_Horizontal Up_0.5cm_Ch20300_2D

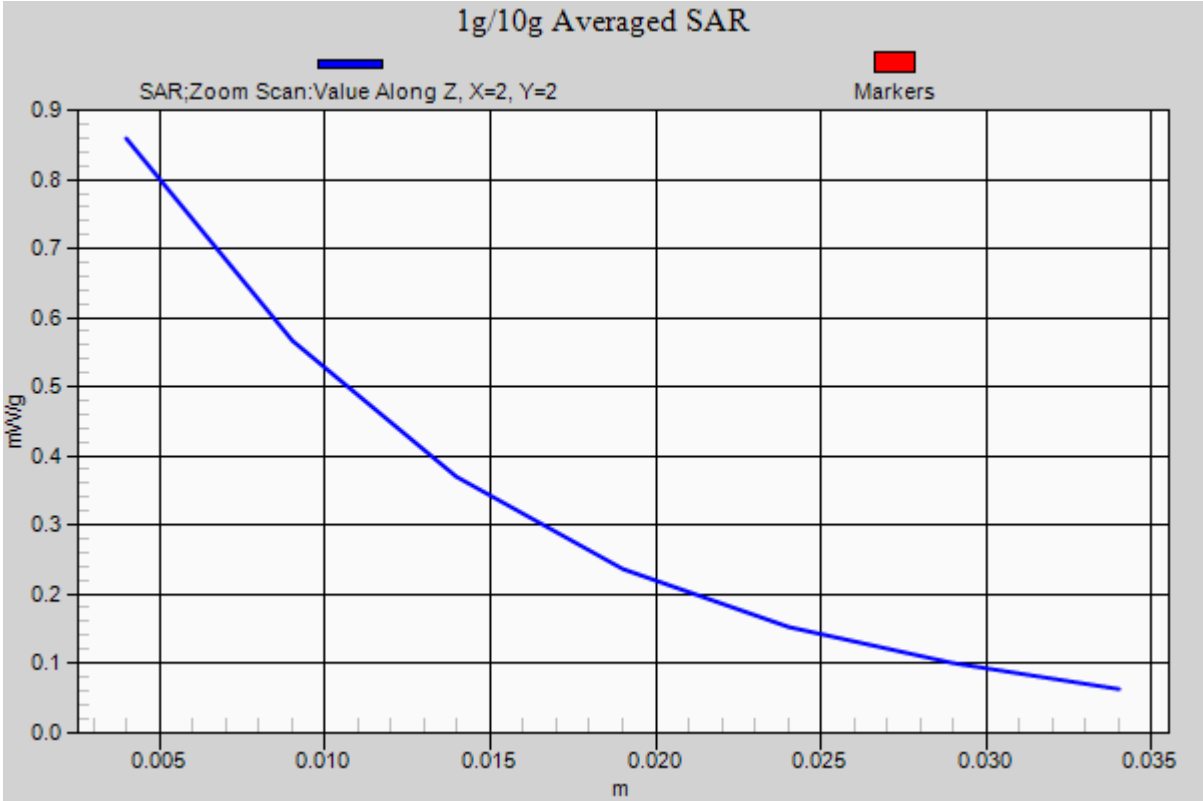
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.923 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.595 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.202 W/kg
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.467 mW/g
Maximum value of SAR (measured) = 0.859 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#50 LTE Band 4_16QAM(50 25)_20M_Horizontal Down_0.5cm_Ch20300

DUT: 1D3102

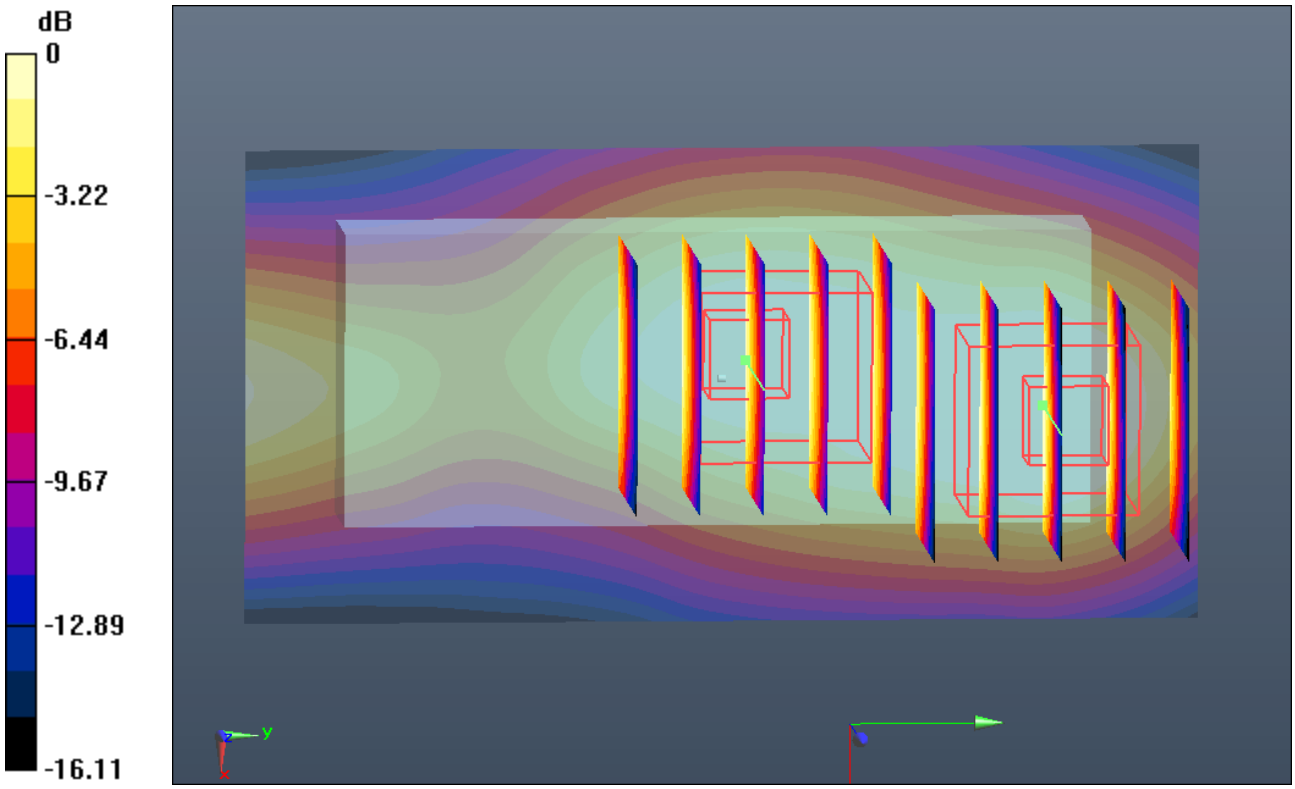
Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.764 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.577 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.244 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.689 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.577 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.319 mW/g
Maximum value of SAR (measured) = 0.549 mW/g



0 dB = 0.550mW/g

#51 LTE Band 4_16QAM(50 25)_20M_Vertical Front_0.5cm_Ch20300

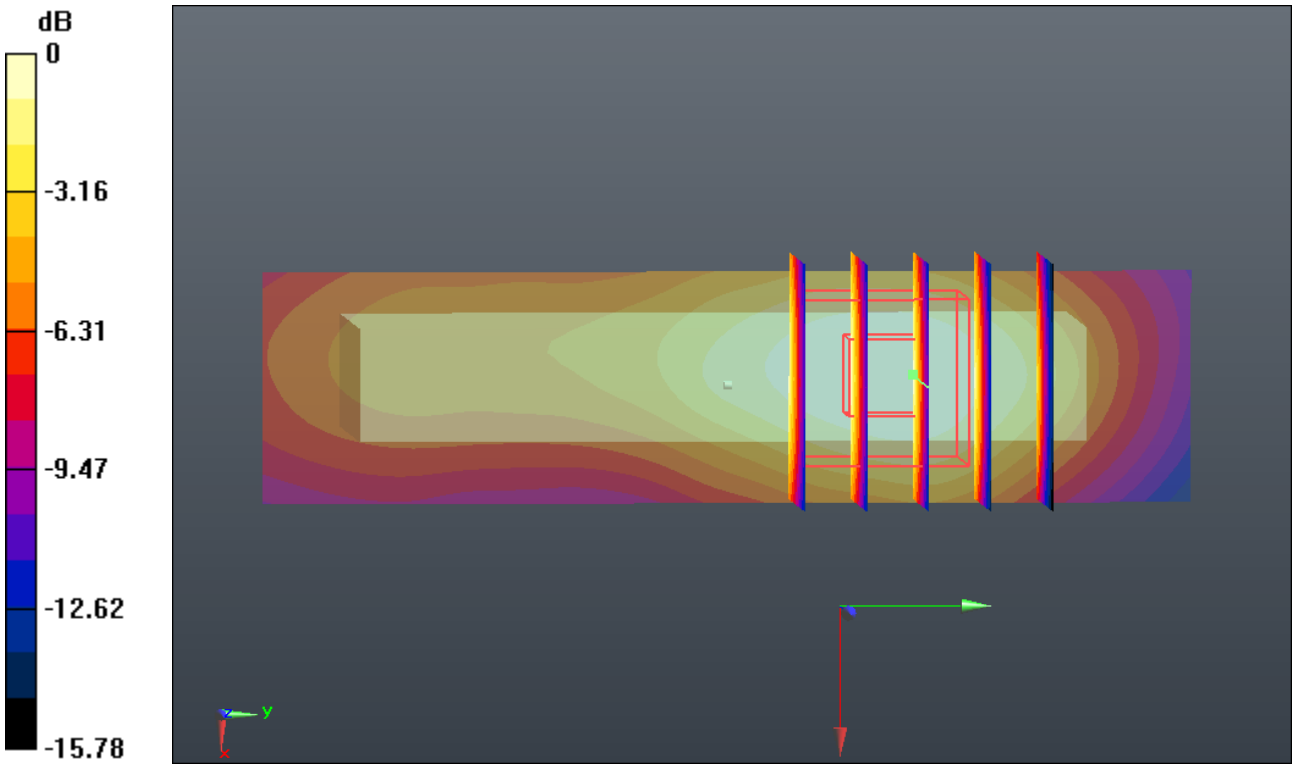
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.687 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.784 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.958 W/kg
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.636 mW/g



0 dB = 0.640mW/g

#52 LTE Band 4_16QAM(50 25)_20M_Vertical Back_0.5cm_Ch20300

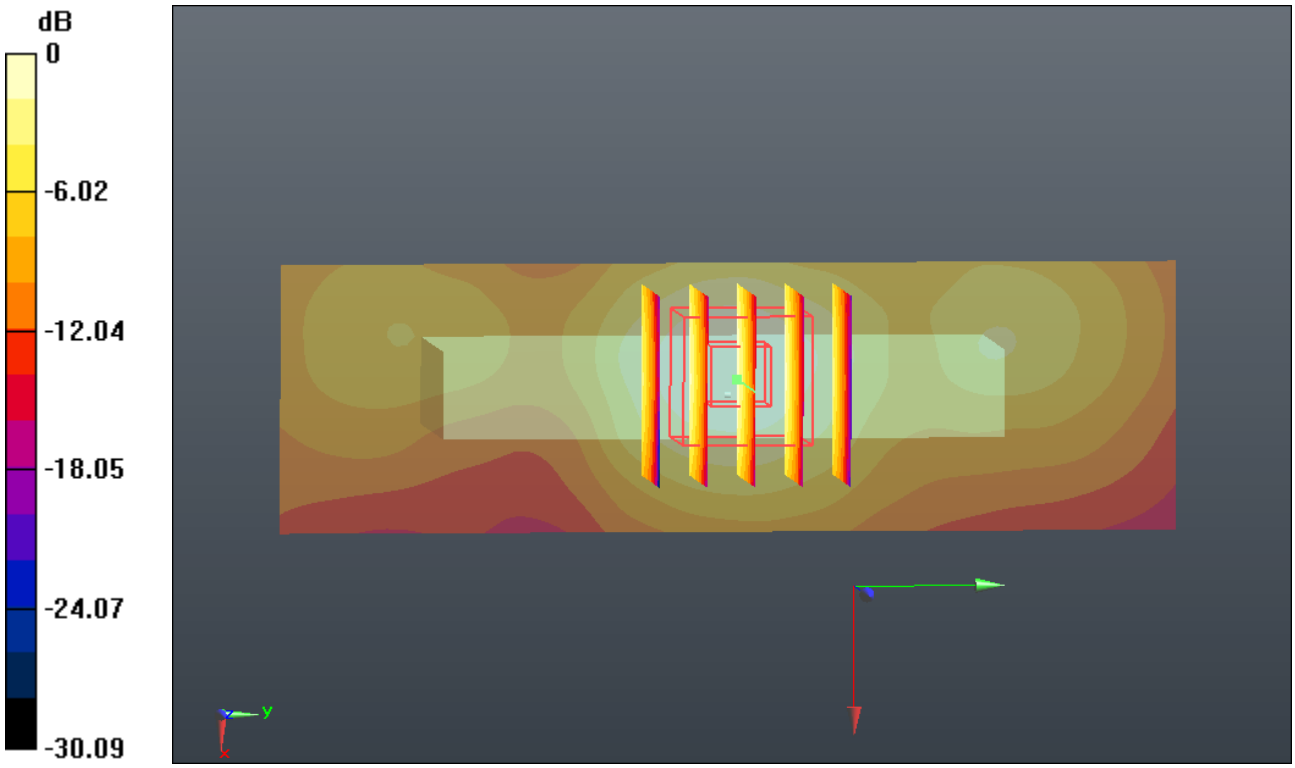
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (31x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.315 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.149 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.448 W/kg
SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.300 mW/g



0 dB = 0.300mW/g

#53 LTE Band 4_16QAM(50 25)_20M_Tip Mode_0.5cm_Ch20300

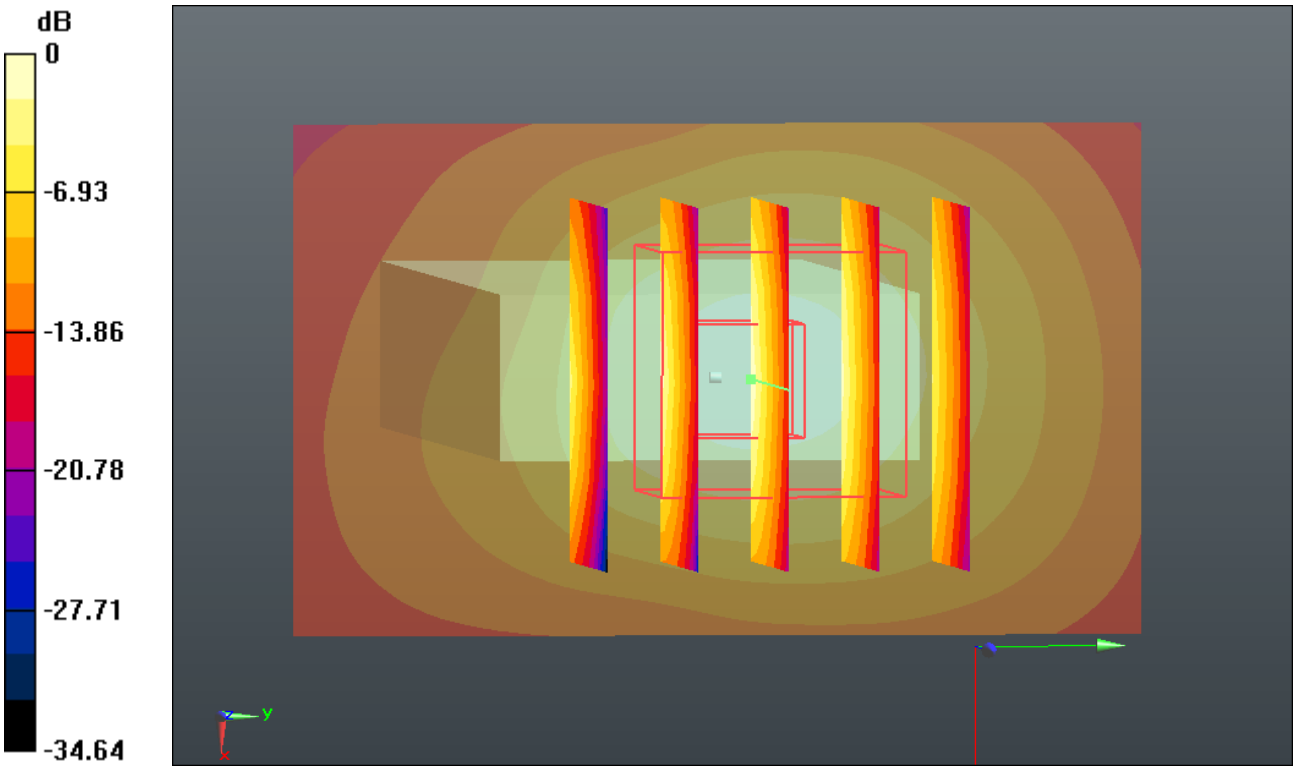
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (31x51x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.619 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.863 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.197 W/kg
SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.260 mW/g
Maximum value of SAR (measured) = 0.705 mW/g



0 dB = 0.710mW/g

#54 LTE Band 4_16QAM(1 0)_20M_Horizontal Up_0.5cm_Ch20300

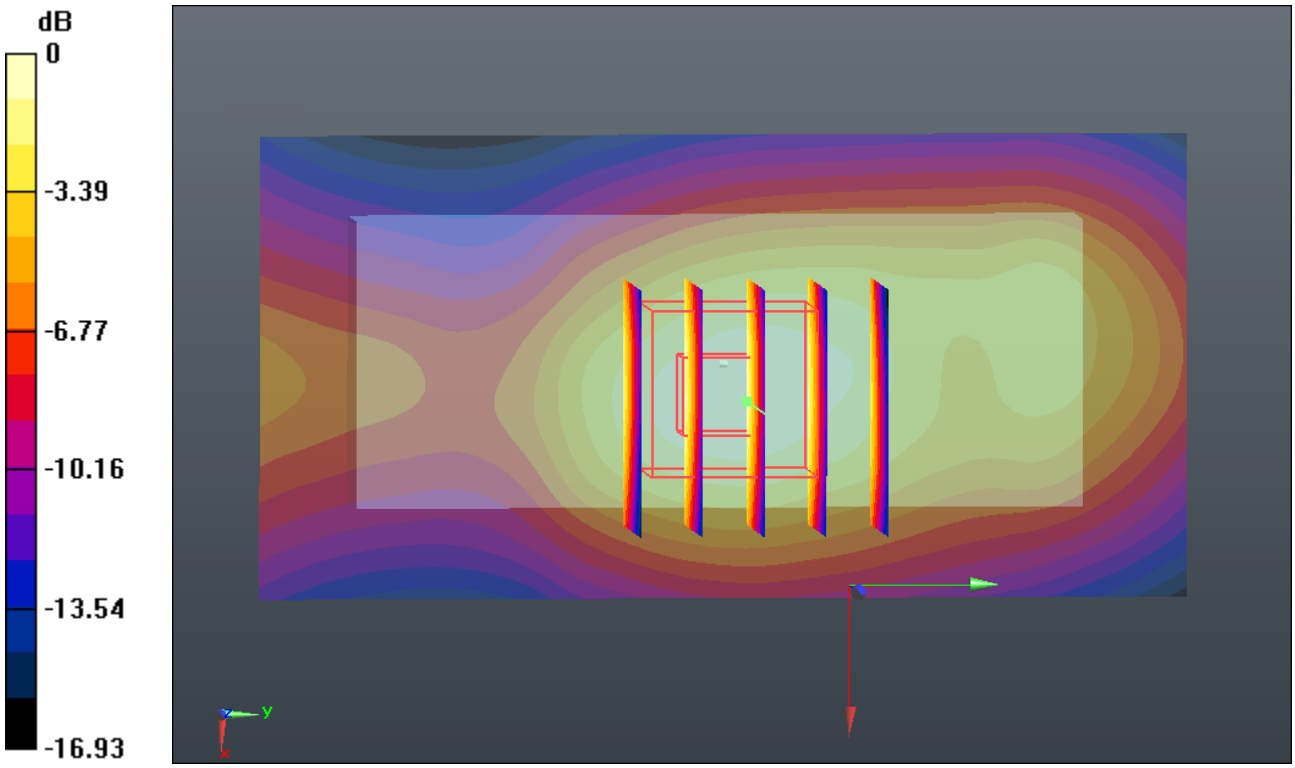
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.990 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.247 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.439 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.547 mW/g
Maximum value of SAR (measured) = 1.001 mW/g



0 dB = 1.000mW/g

#54 LTE Band IV_16QAM(1 0)_20M_Horizontal Up_0.5cm_Ch20300_2D

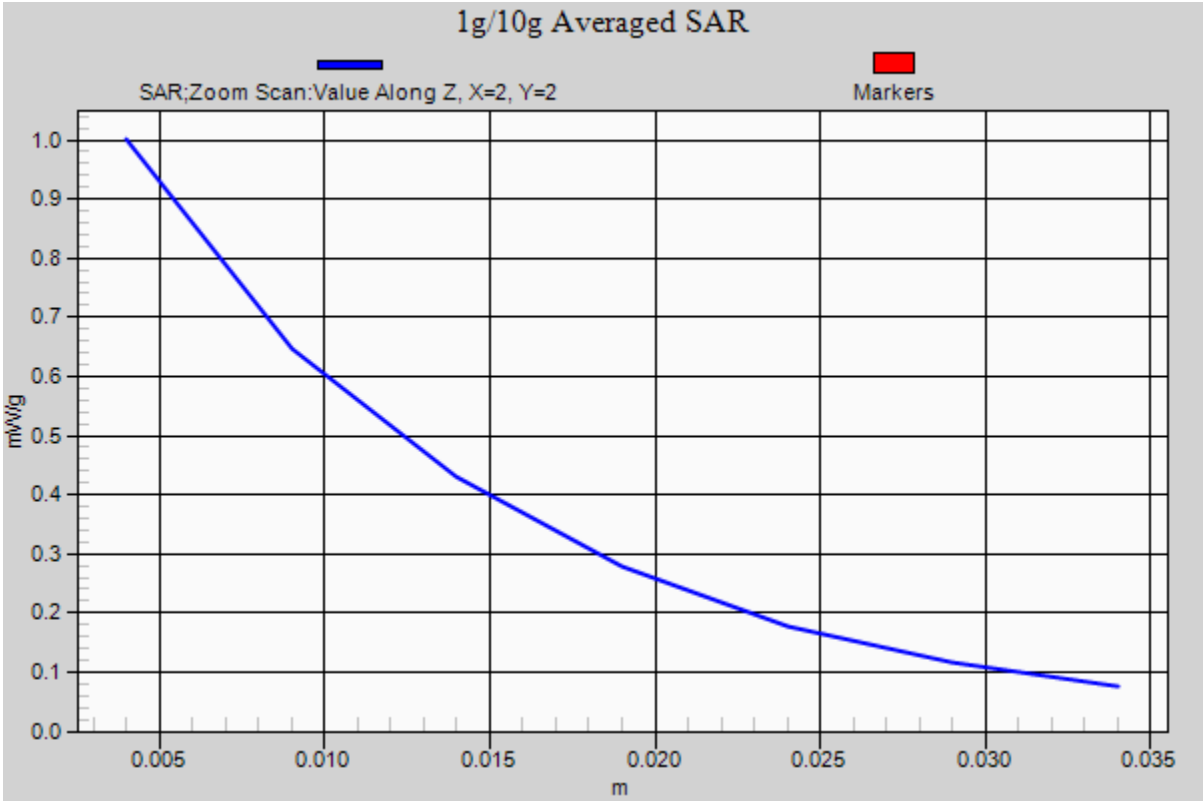
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.990 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.247 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.439 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.547 mW/g
Maximum value of SAR (measured) = 1.001 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
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
0.035
m

#55 LTE Band 4_16QAM(1 0)_20M_Horizontal Down_0.5cm_Ch20300

DUT: 1D3102

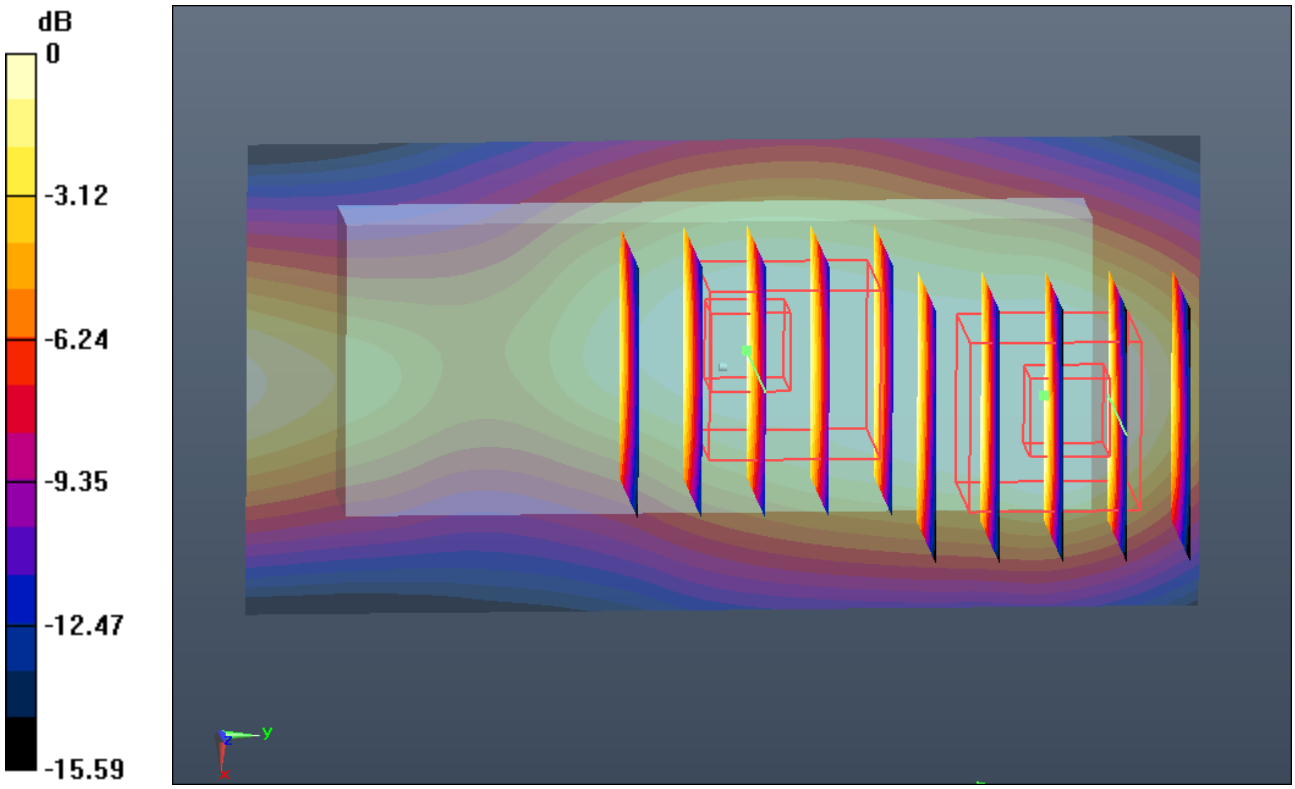
Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.968 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.270 V/m; Power Drift = 0.0081 dB
Peak SAR (extrapolated) = 1.657 W/kg
SAR(1 g) = 0.862 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 0.897 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.270 V/m; Power Drift = 0.0081 dB
Peak SAR (extrapolated) = 1.001 W/kg
SAR(1 g) = 0.662 mW/g; SAR(10 g) = 0.418 mW/g
Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.700mW/g

#56 LTE Band 4_16QAM(1 0)_20M_Vertical Front_0.5cm_Ch20300

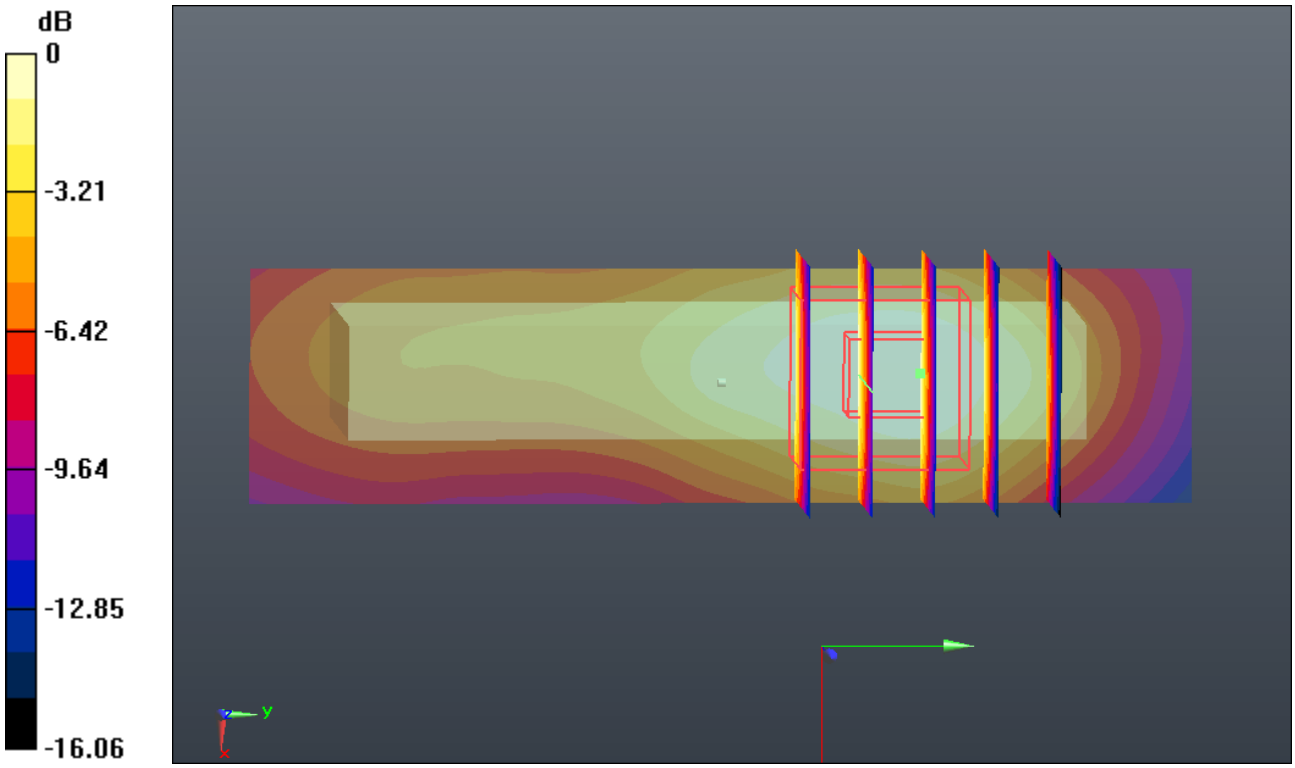
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.866 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.129 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.277 W/kg
SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.444 mW/g
Maximum value of SAR (measured) = 0.833 mW/g



0 dB = 0.830mW/g

#57 LTE Band 4_16QAM(1 0)_20M_Vertical Back_0.5cm_Ch20300

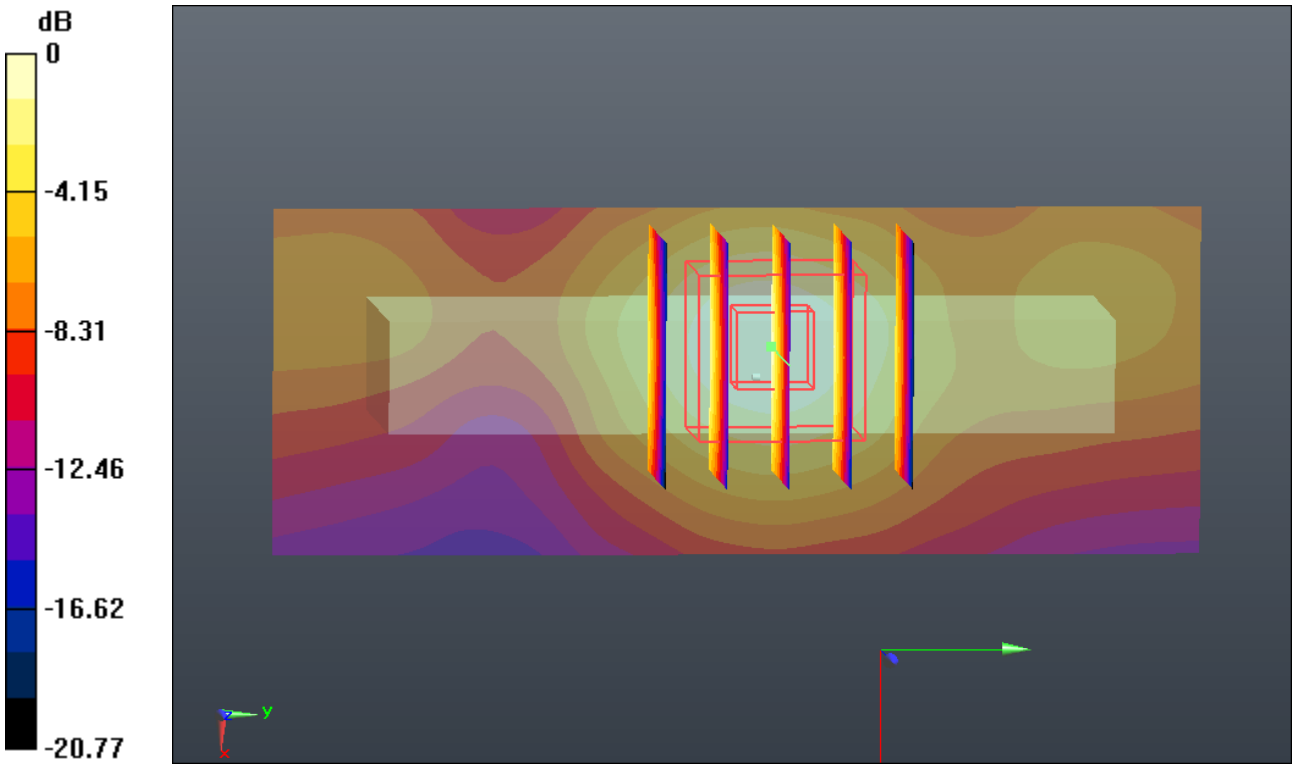
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.410 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.129 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.594 W/kg
SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.401 mW/g



0 dB = 0.400mW/g

#58 LTE Band 4_16QAM(1 0)_20M_Tip Mode_0.5cm_Ch20300

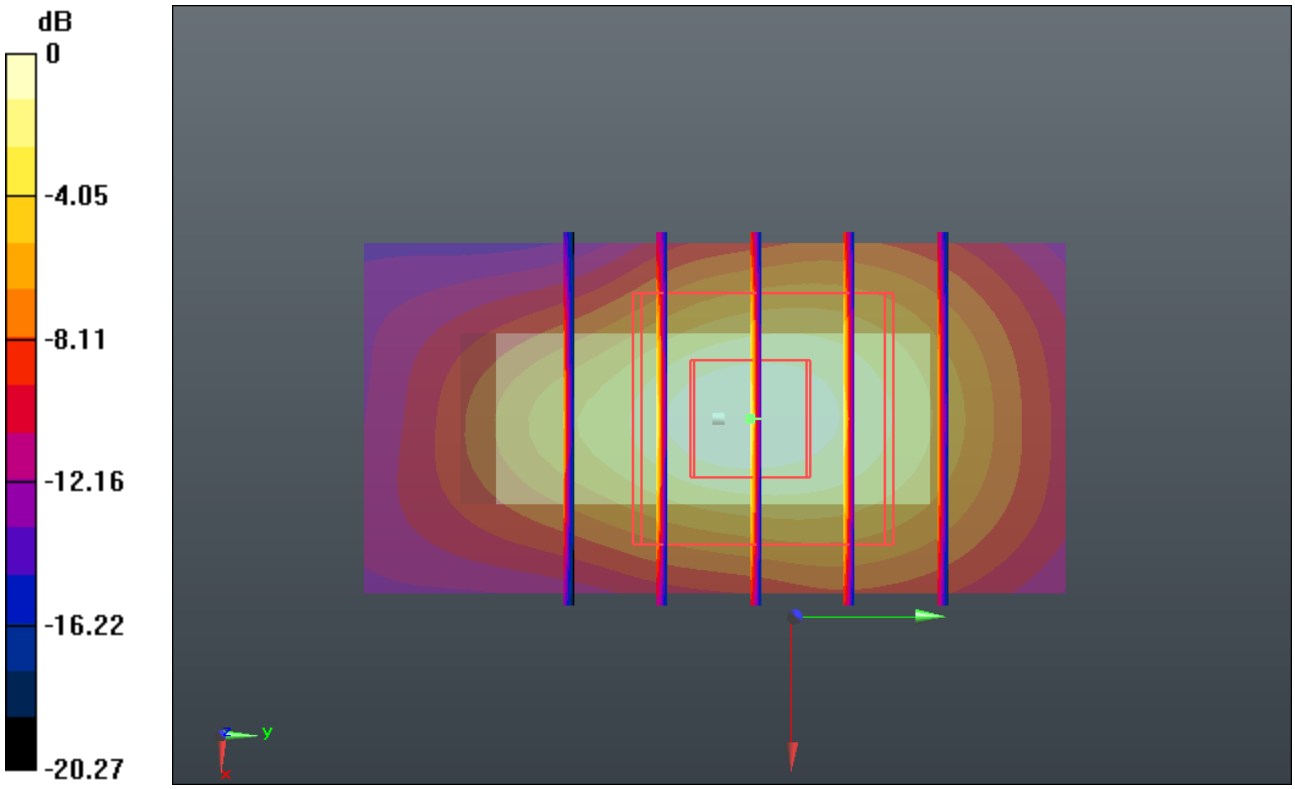
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.971 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.681 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.629 W/kg
SAR(1 g) = 0.781 mW/g; SAR(10 g) = 0.346 mW/g
Maximum value of SAR (measured) = 0.956 mW/g



0 dB = 0.960mW/g

#59 LTE Band 4_16QAM(1 99)_20M_Horizontal Up_0.5cm_Ch20300

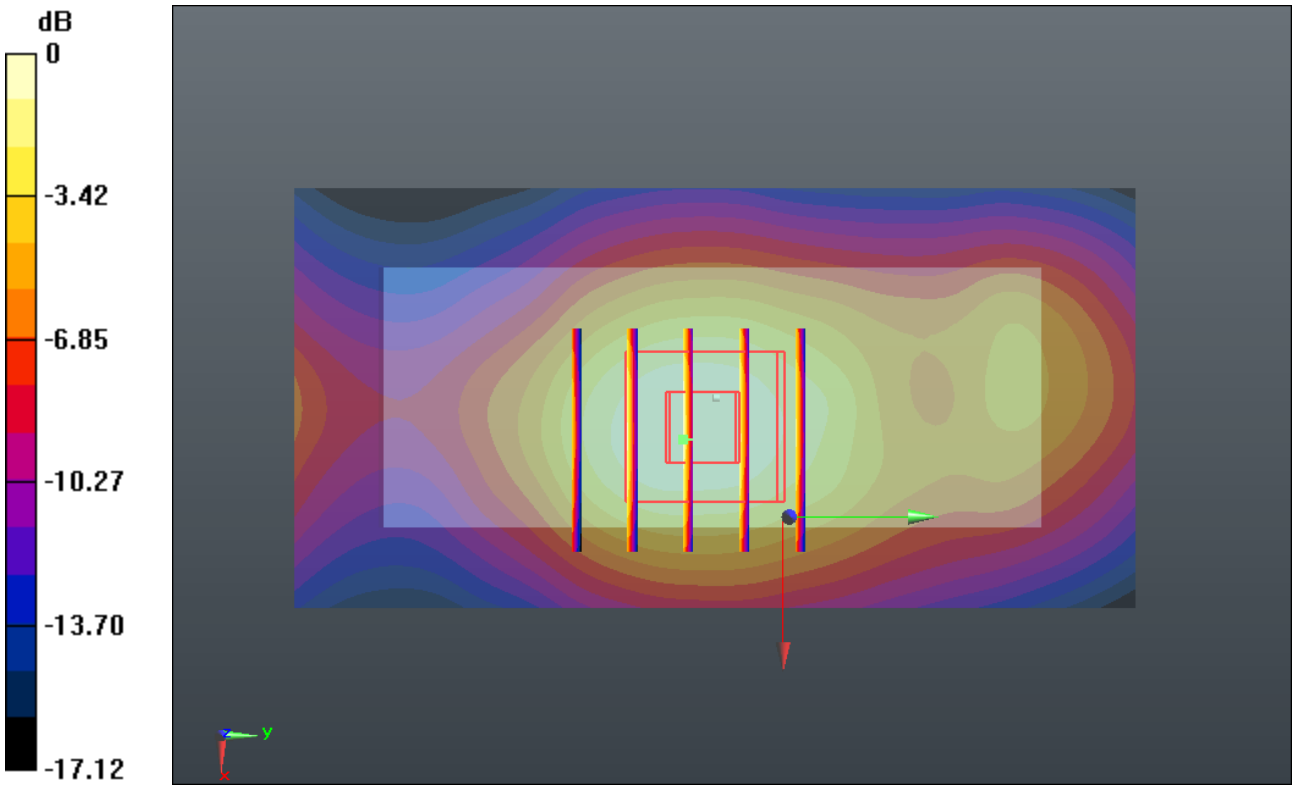
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.898 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.872 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.230 W/kg
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 0.848 mW/g



0 dB = 0.850mW/g

#59 LTE Band 4_16QAM(1 99)_20M_Horizontal Up_0.5cm_Ch20300_2D

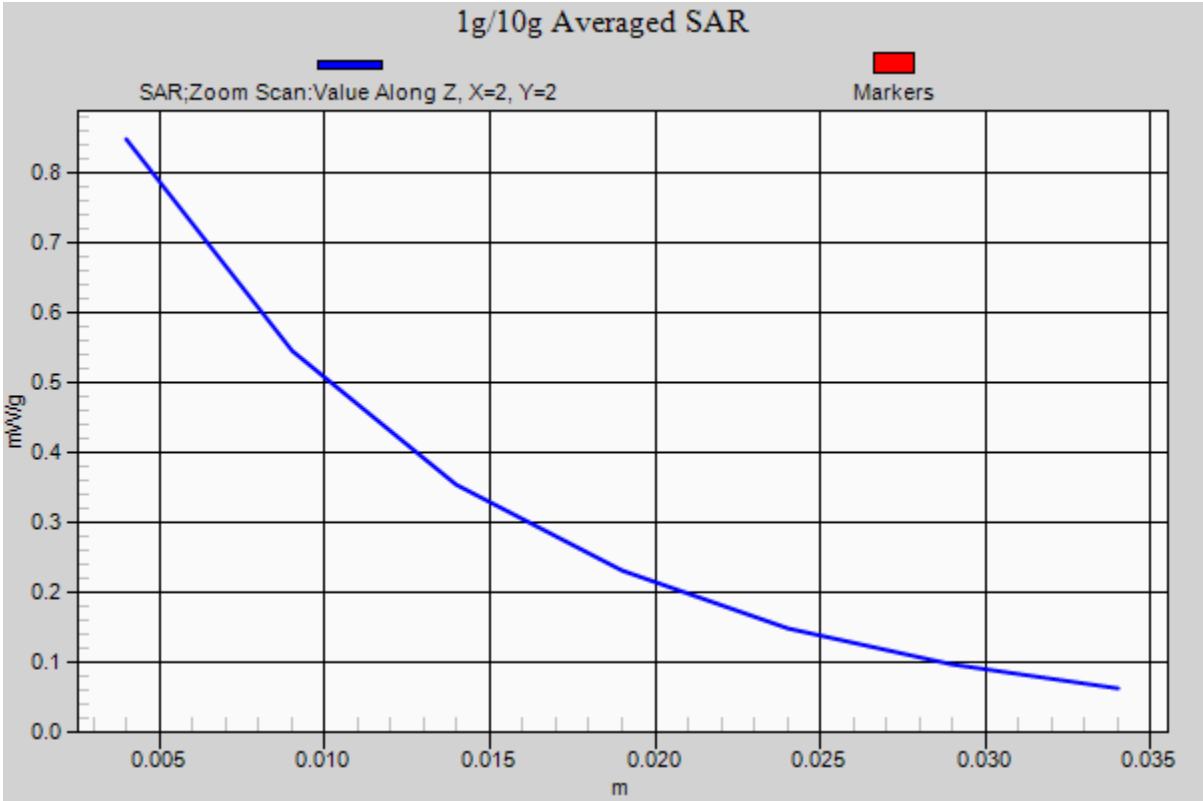
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.898 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.872 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.230 W/kg
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 0.848 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=2
Markers
mW/g
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#60 LTE Band 4_16QAM(1 99)_20M_Horizontal Down_0.5cm_Ch20300

DUT: 1D3102

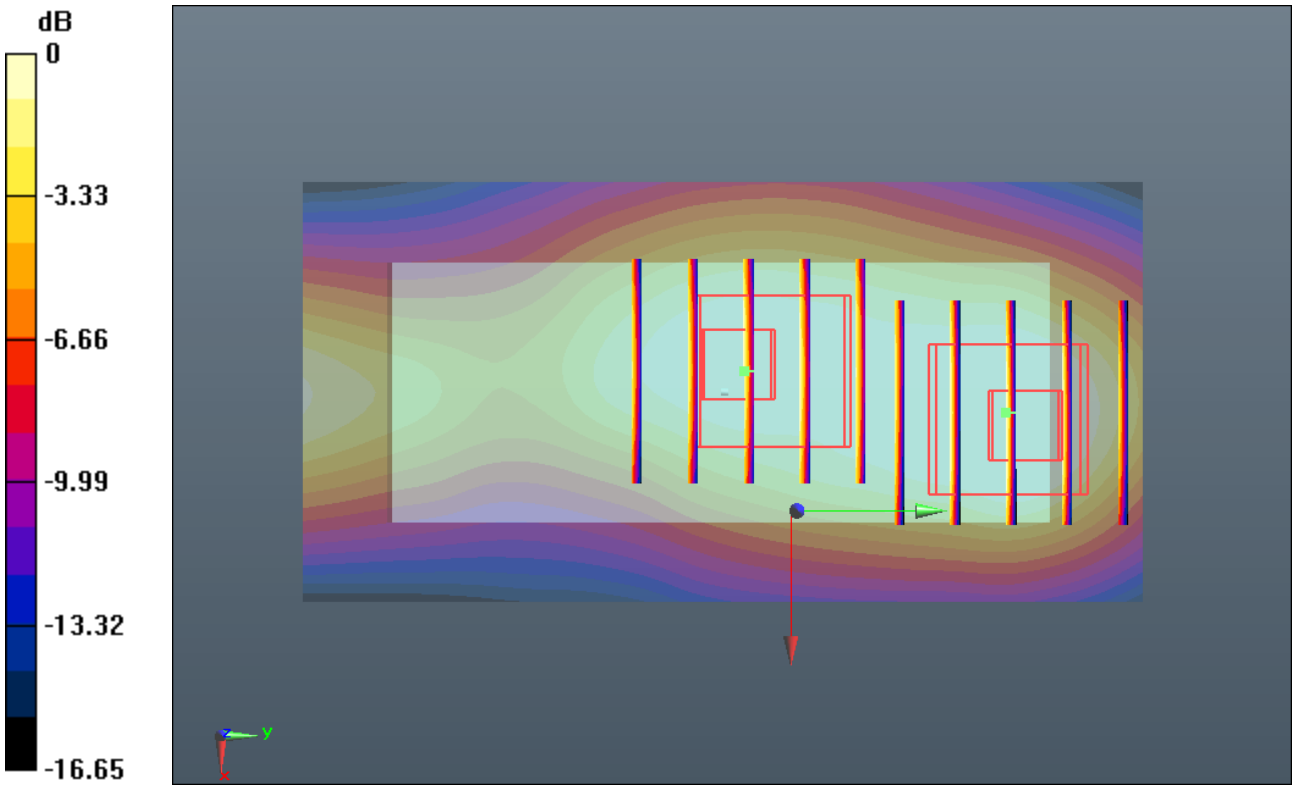
Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (41x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.757 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.354 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.258 W/kg
SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.338 mW/g
Maximum value of SAR (measured) = 0.687 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.354 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.773 W/kg
SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.543 mW/g



0 dB = 0.540mW/g

#61 LTE Band 4_16QAM(1 99)_20M_Vertical Front_0.5cm_Ch20300

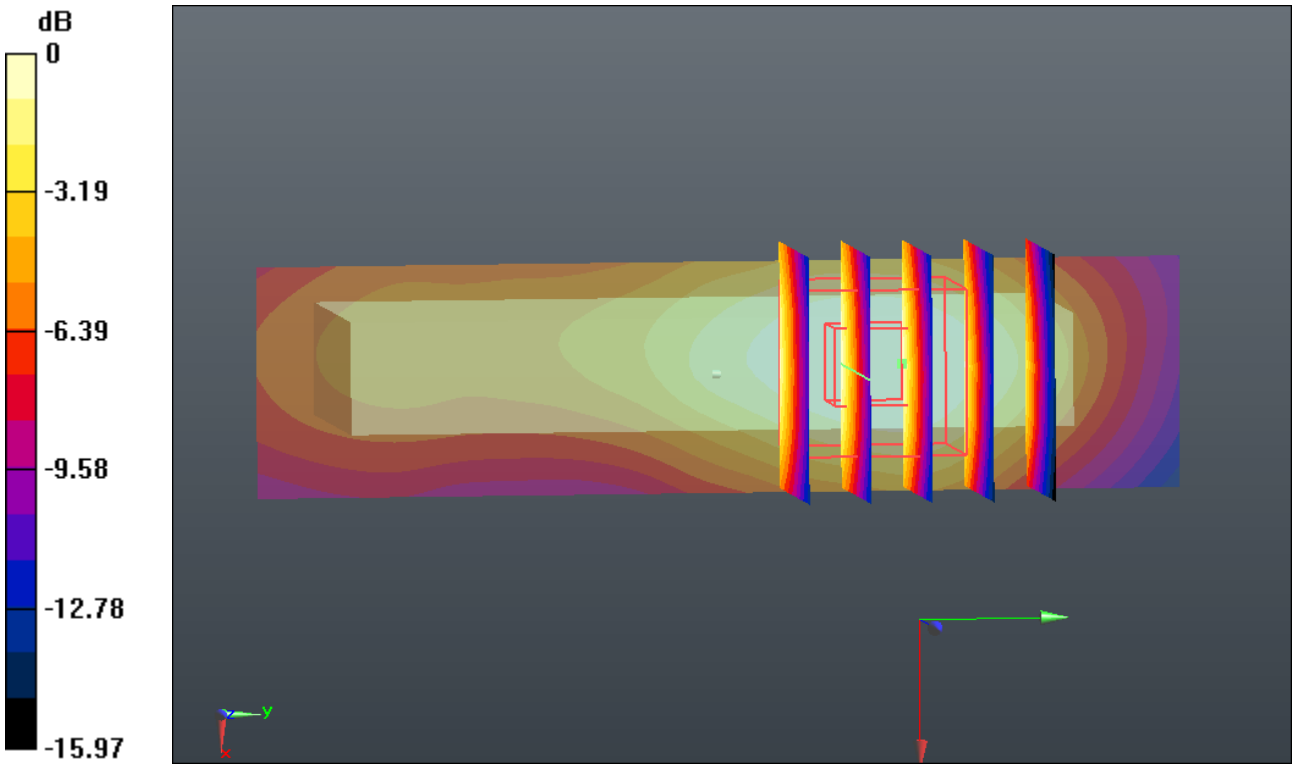
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.762 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.619 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.052 W/kg
SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.373 mW/g
Maximum value of SAR (measured) = 0.694 mW/g



0 dB = 0.690mW/g

#62 LTE Band 4_16QAM(1 99)_20M_Vertical Back_0.5cm_Ch20300

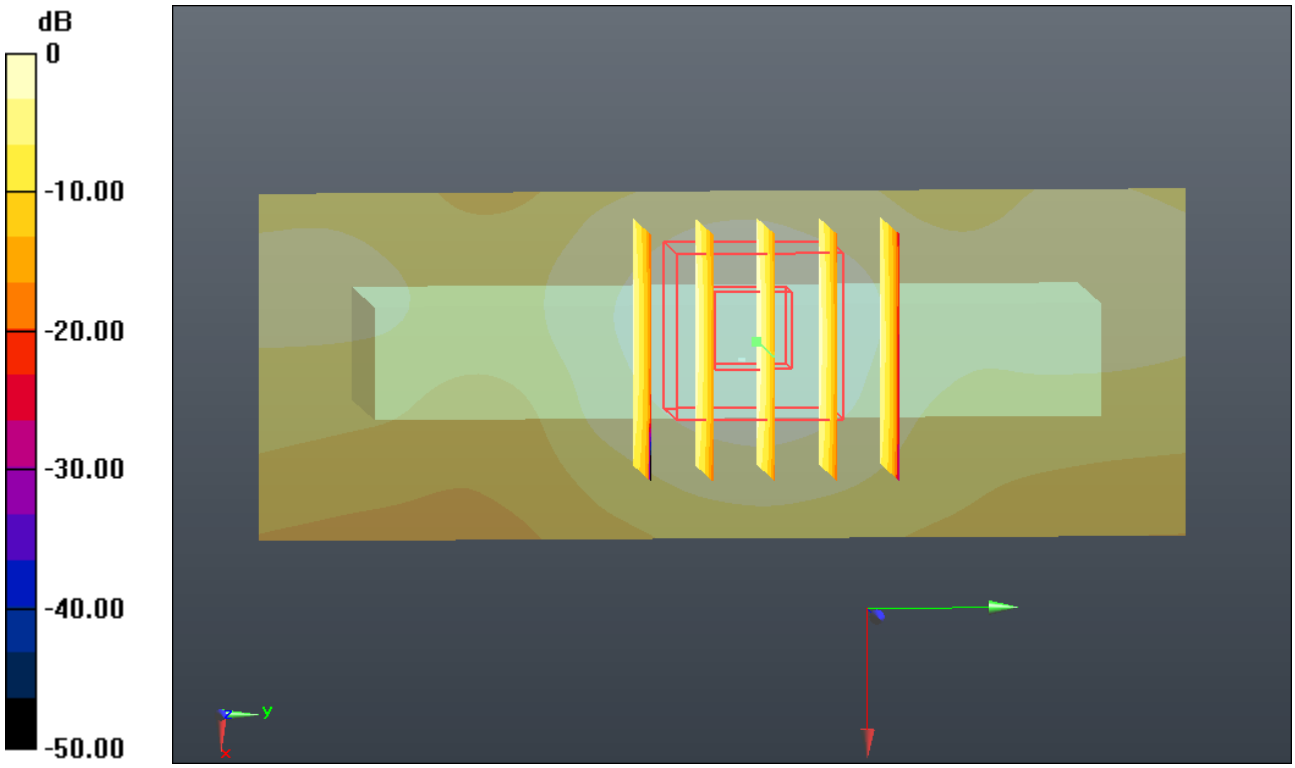
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (31x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.292 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.837 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.274 mW/g



0 dB = 0.270mW/g

#63 LTE Band 4_16QAM(1 99)_20M_Tip Mode_0.5cm_Ch20300

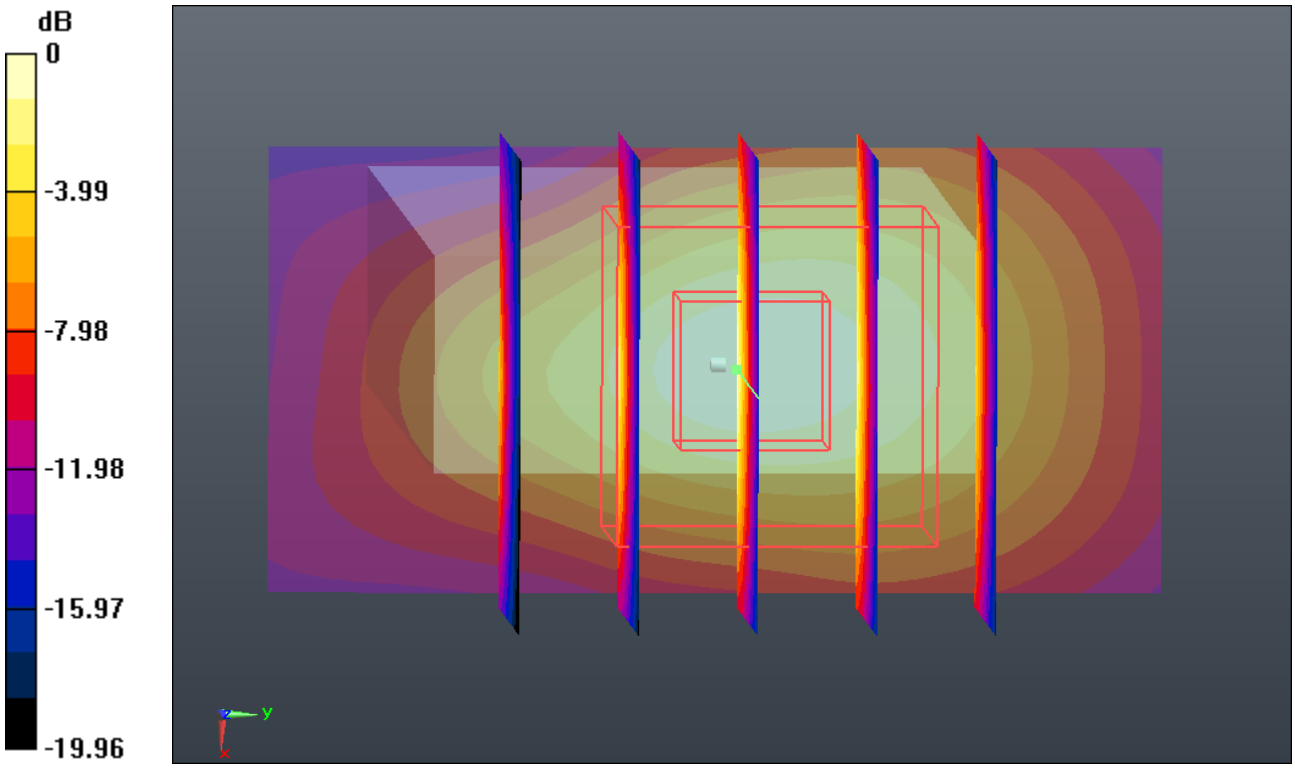
DUT: 1D3102

Communication System: LTE; Frequency: 1745 MHz;Duty Cycle: 1:1
Medium: MSL_1800_120312 Medium parameters used: f = 1745 MHz; σ = 1.53 mho/m; ε_r = 54.584; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3697; ConvF(7.16, 7.16, 7.16); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (21x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.713 mW/g

Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.199 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.196 W/kg
SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.695 mW/g



0 dB = 0.700mW/g