P347 LTE 12_QPSK_10M_Front Face_1cm_Ch23130_25RB_Offset 12

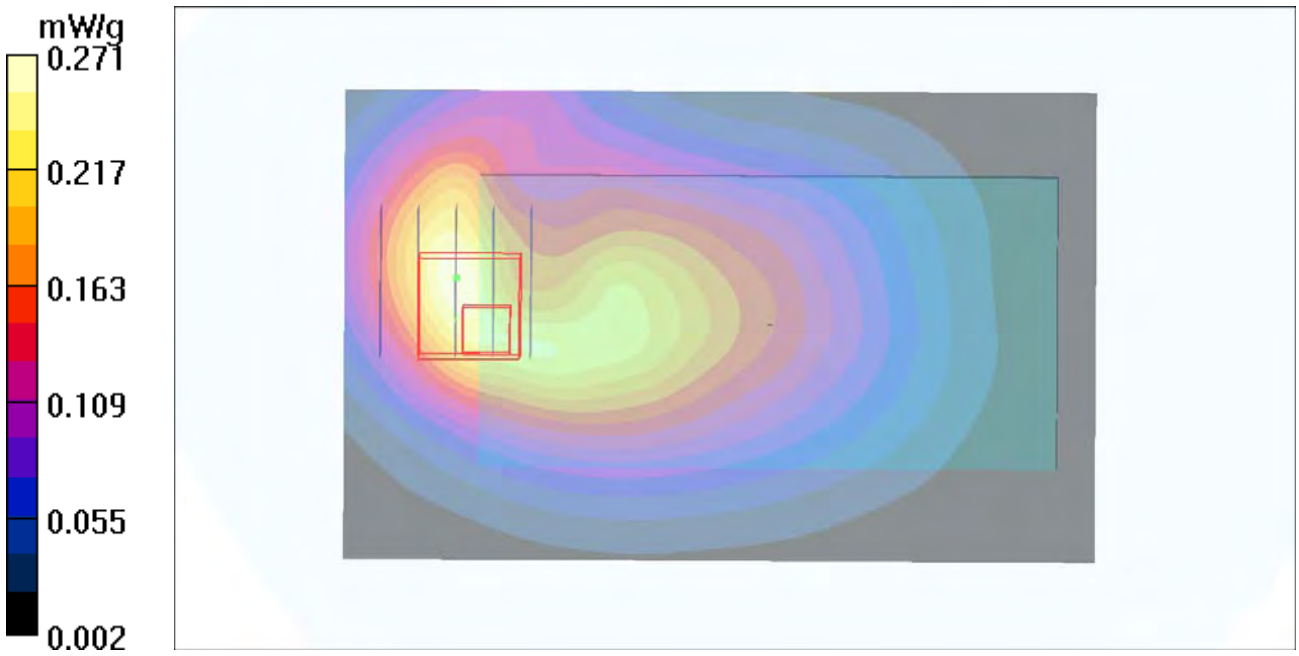
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.271 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = -0.144 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.257 mW/g



P348 LTE 12_QPSK_10M_Rear Face_1cm_Ch23130_25RB_Offset 12

DUT: 120822C31

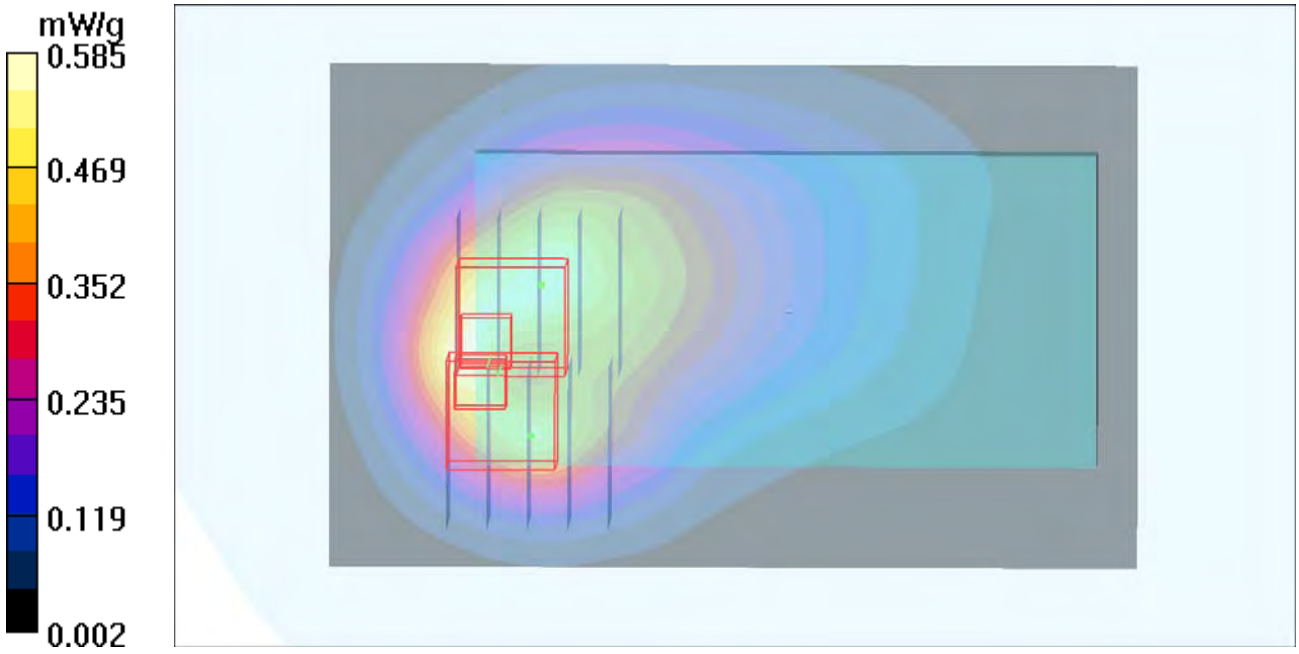
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.585 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.259 mW/g
Maximum value of SAR (measured) = 0.739 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.776 mW/g



P349 LTE 12_QPSK_10M_Left Side_1cm_Ch23130_25RB_Offset 12

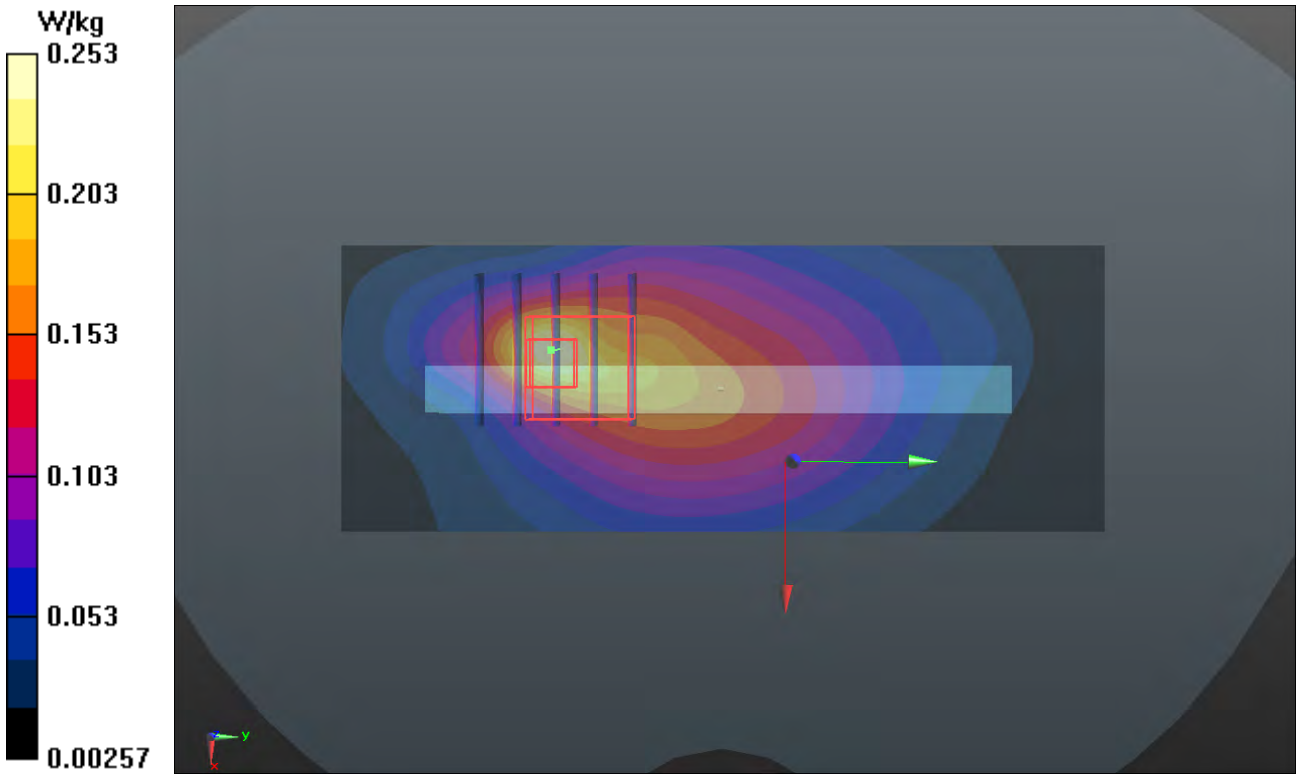
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.253 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.792 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.324 mW/g
SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.126 mW/g
Maximum value of SAR (measured) = 0.255 W/kg



P350 LTE 12_QPSK_10M_Bottom Side_1cm_Ch23130_25RB_Offset 12

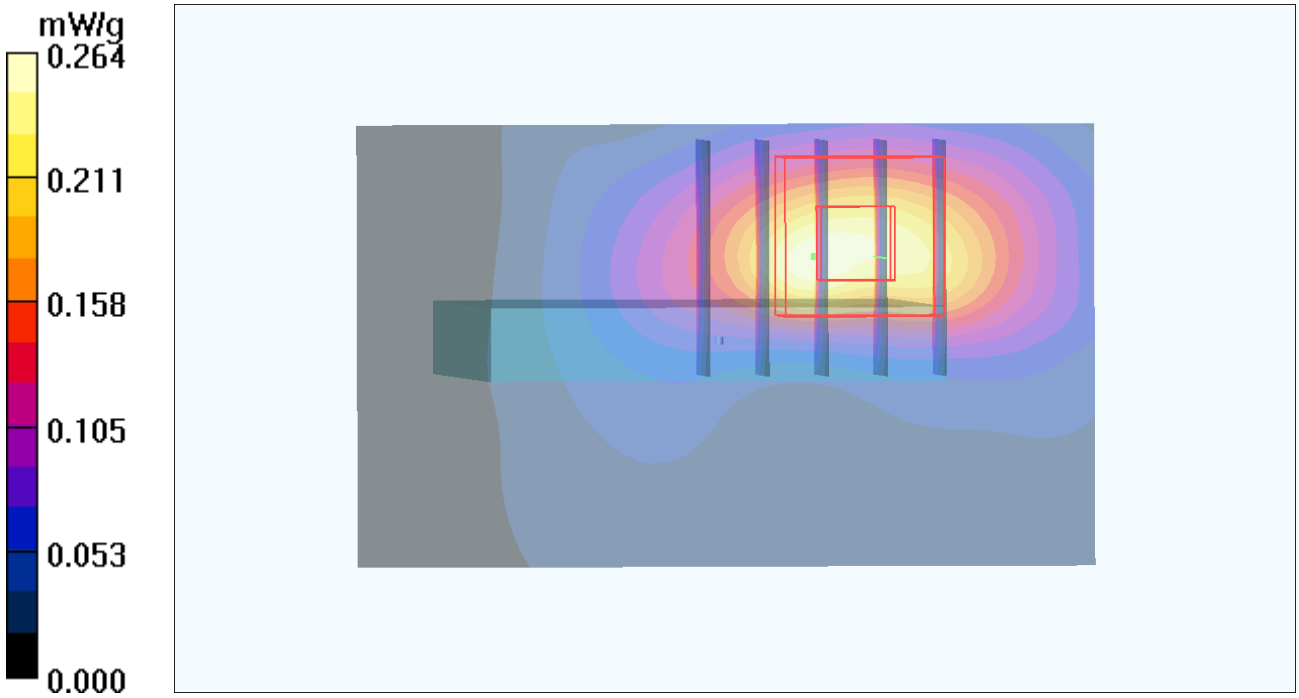
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.264 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.87 V/m; Power Drift = 0.118 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.122 mW/g
Maximum value of SAR (measured) = 0.304 mW/g



P351 LTE 12_QPSK_10M_Front Face_1cm_Ch23130_1RB_Offset 0

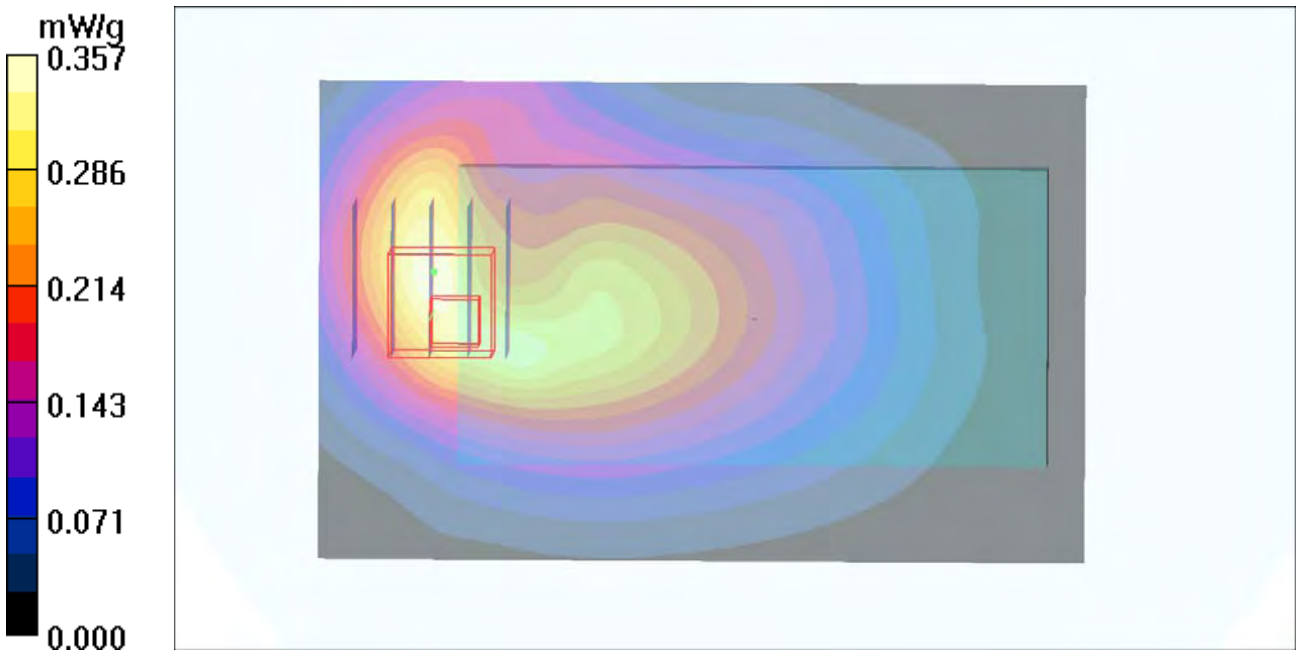
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.357 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.039 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.166 mW/g
Maximum value of SAR (measured) = 0.352 mW/g



P352 LTE 12_QPSK_10M_Rear Face_1cm_Ch23130_1RB_Offset 0

DUT: 120822C31

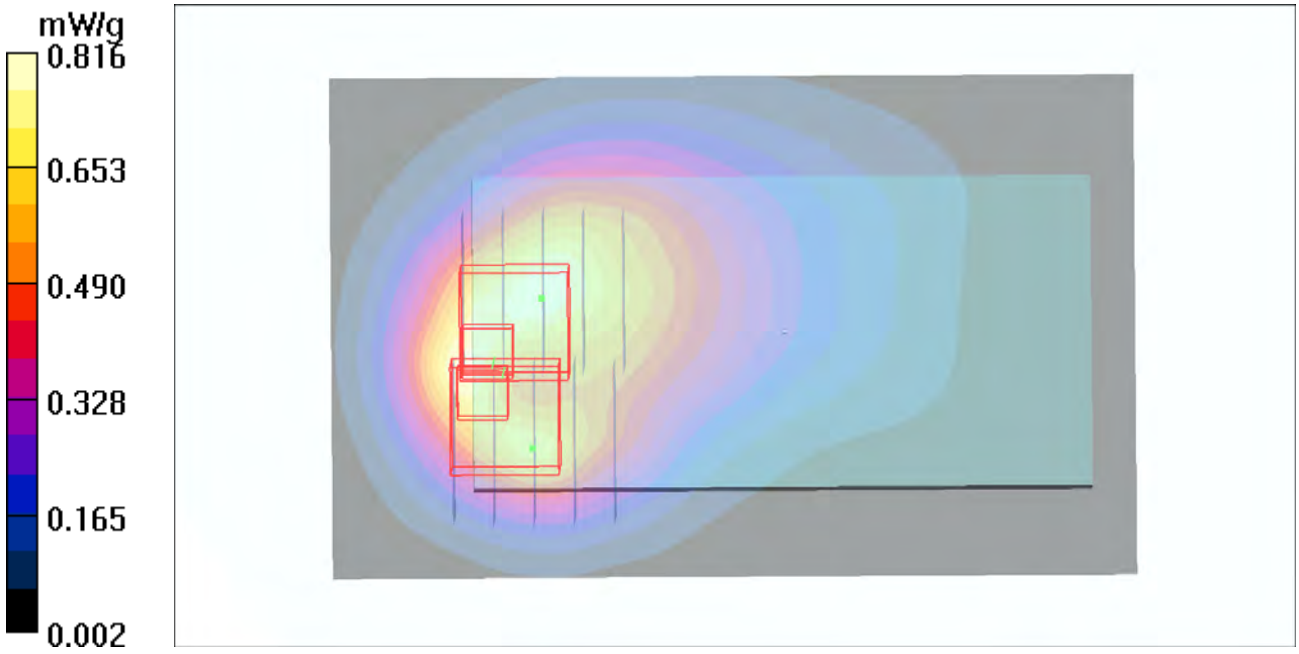
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

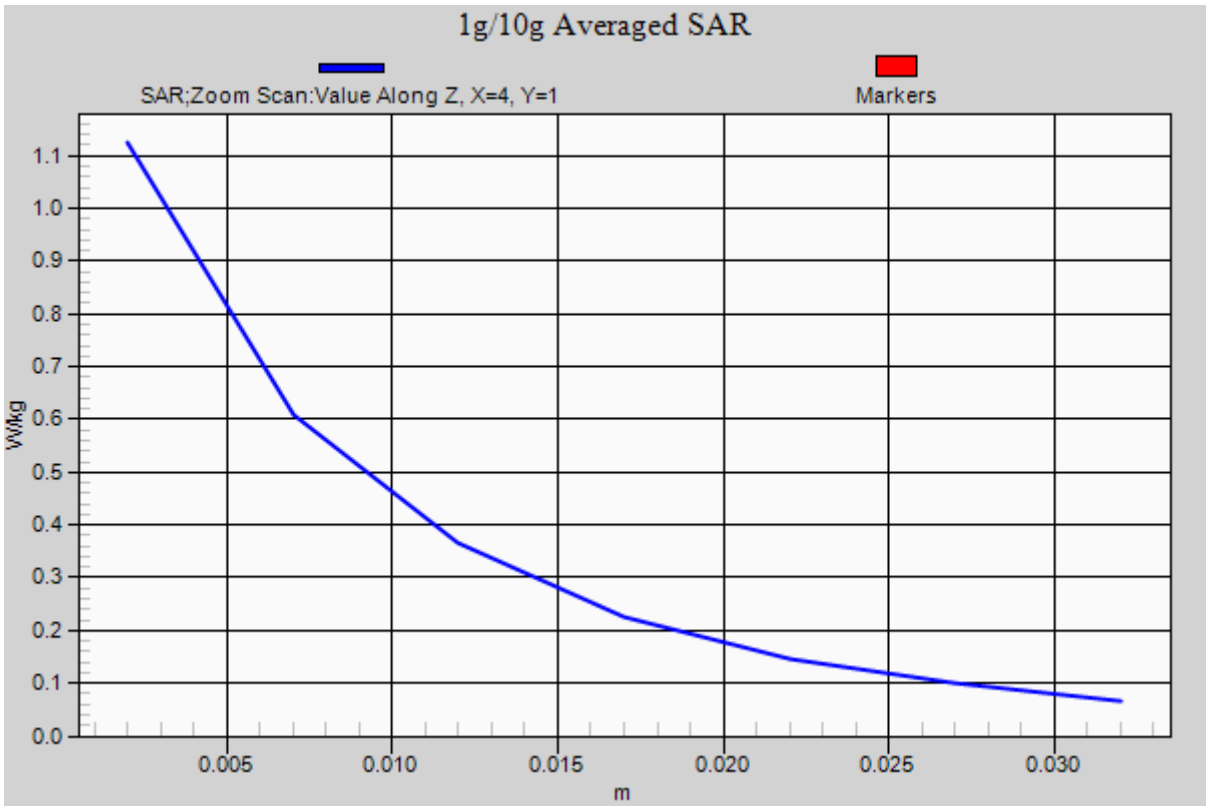
DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.816 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.403 mW/g
Maximum value of SAR (measured) = 1.12 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 1.61 W/kg
SAR(1 g) = 0.769 mW/g; SAR(10 g) = 0.371 mW/g
Maximum value of SAR (measured) = 1.08 mW/g




1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=4, Y=1
Markers
W/kg
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030
m

P353 LTE 12_QPSK_10M_Left Side_1cm_Ch23130_1RB_Offset 0

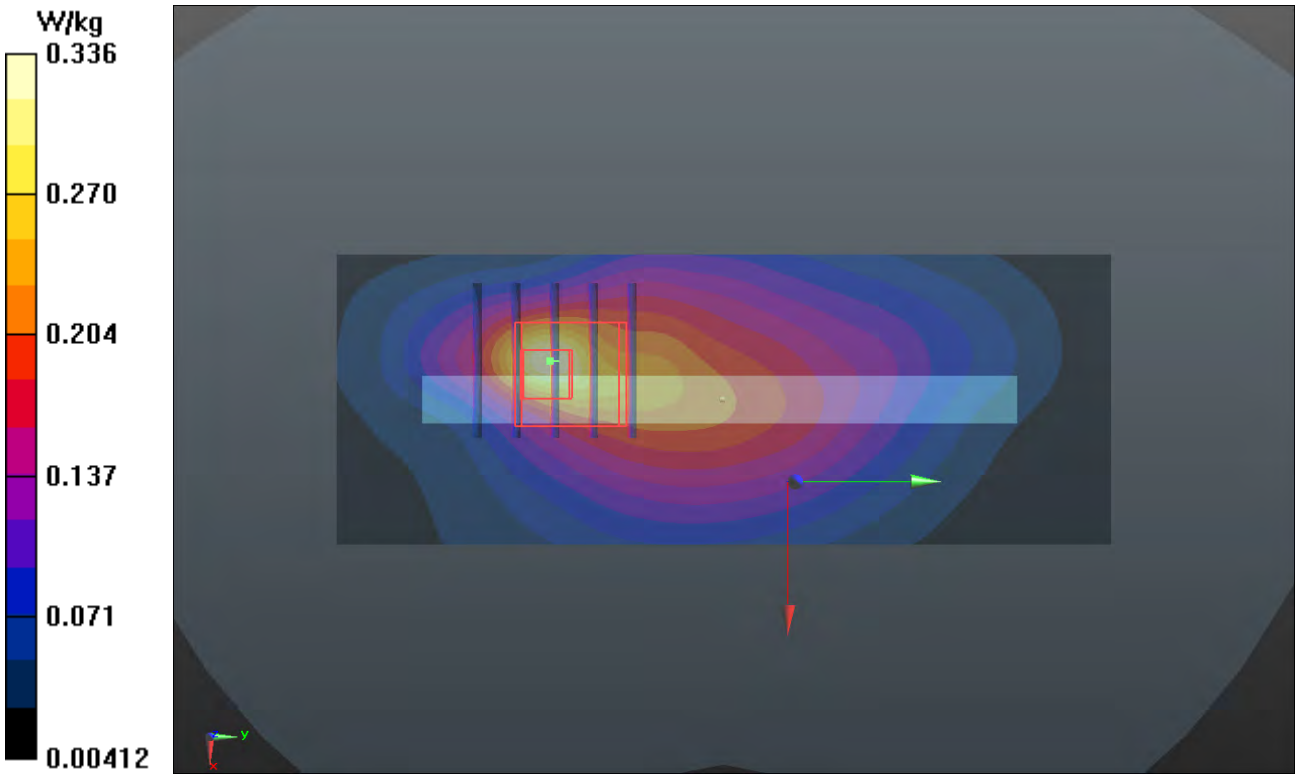
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.336 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.546 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.438 mW/g
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.162 mW/g
Maximum value of SAR (measured) = 0.344 W/kg



P354 LTE 12_QPSK_10M_Bottom Side_1cm_Ch23130_1RB_Offset 0

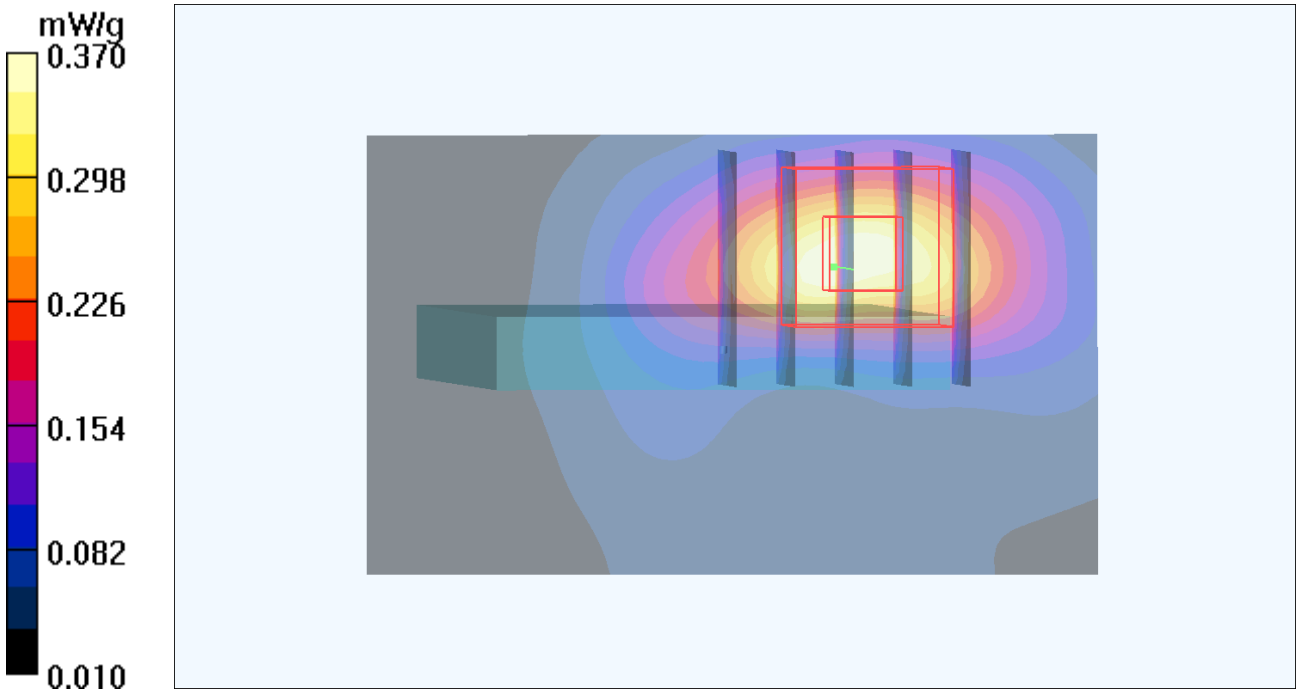
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.370 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = 0.170 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.161 mW/g
Maximum value of SAR (measured) = 0.393 mW/g



P355 LTE 12_QPSK_10M_Front Face_1cm_Ch23130_1RB_Offset 49

DUT: 120822C31

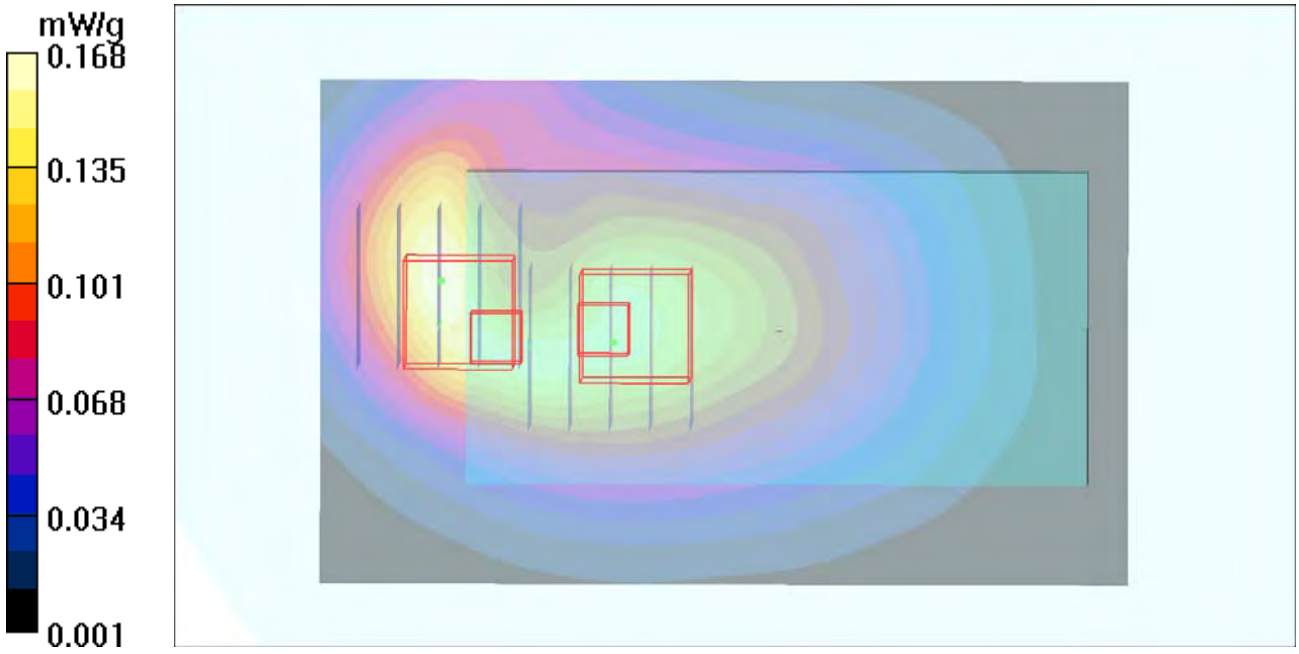
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.168 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.099 mW/g
Maximum value of SAR (measured) = 0.156 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.160 mW/g



P356 LTE 12_QPSK_10M_Rear Face_1cm_Ch23130_1RB_Offset 49

DUT: 120822C31

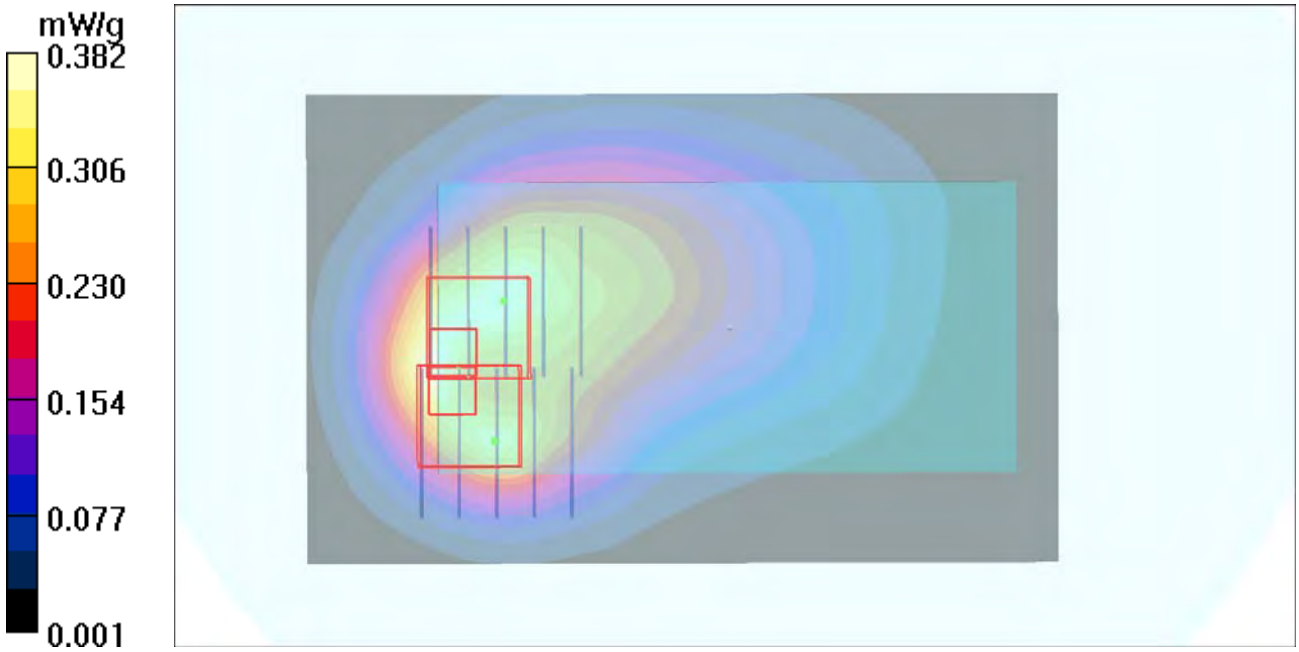
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.382 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.742 W/kg
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.195 mW/g
Maximum value of SAR (measured) = 0.551 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.721 W/kg
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.175 mW/g
Maximum value of SAR (measured) = 0.498 mW/g



P357 LTE 12_QPSK_10M_Left Side_1cm_Ch23130_1RB_Offset 49

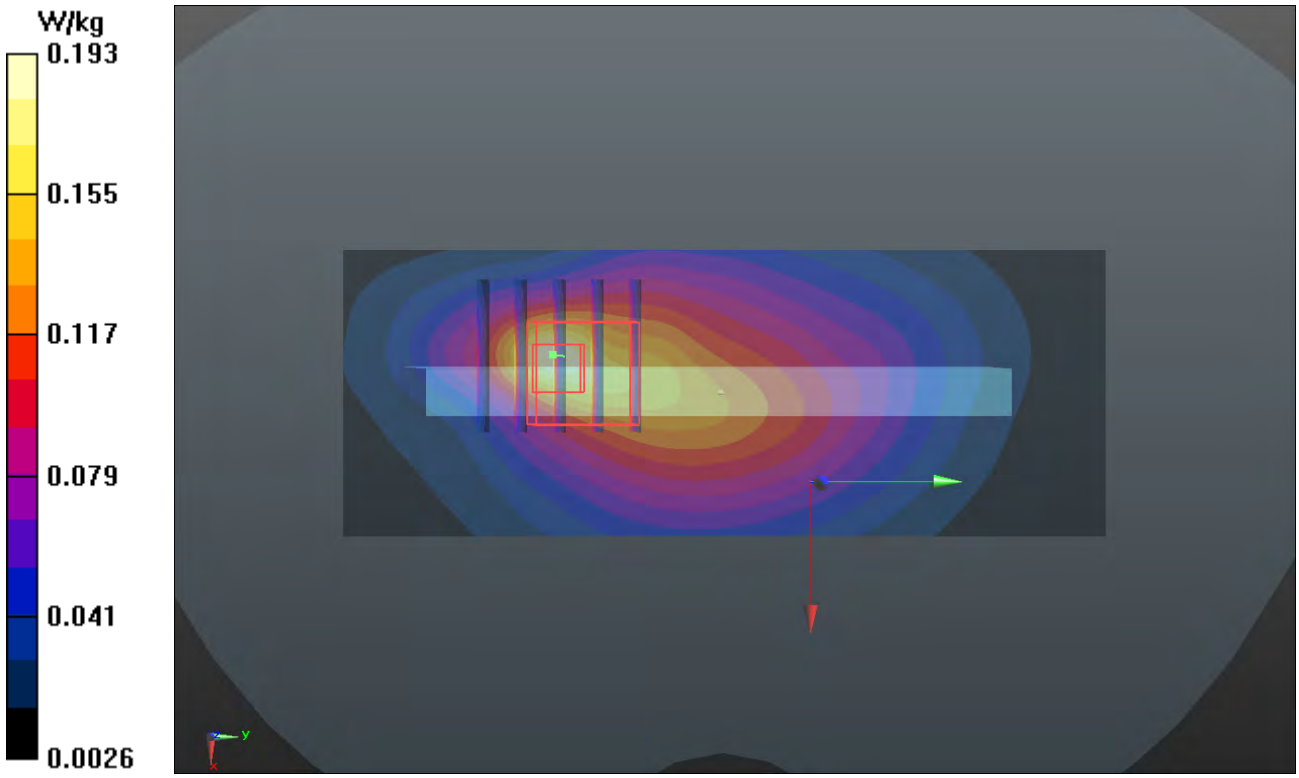
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.193 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.298 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.240 mW/g
SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.194 W/kg



P358 LTE 12_QPSK_10M_Bottom Side_1cm_Ch23130_1RB_Offset 49

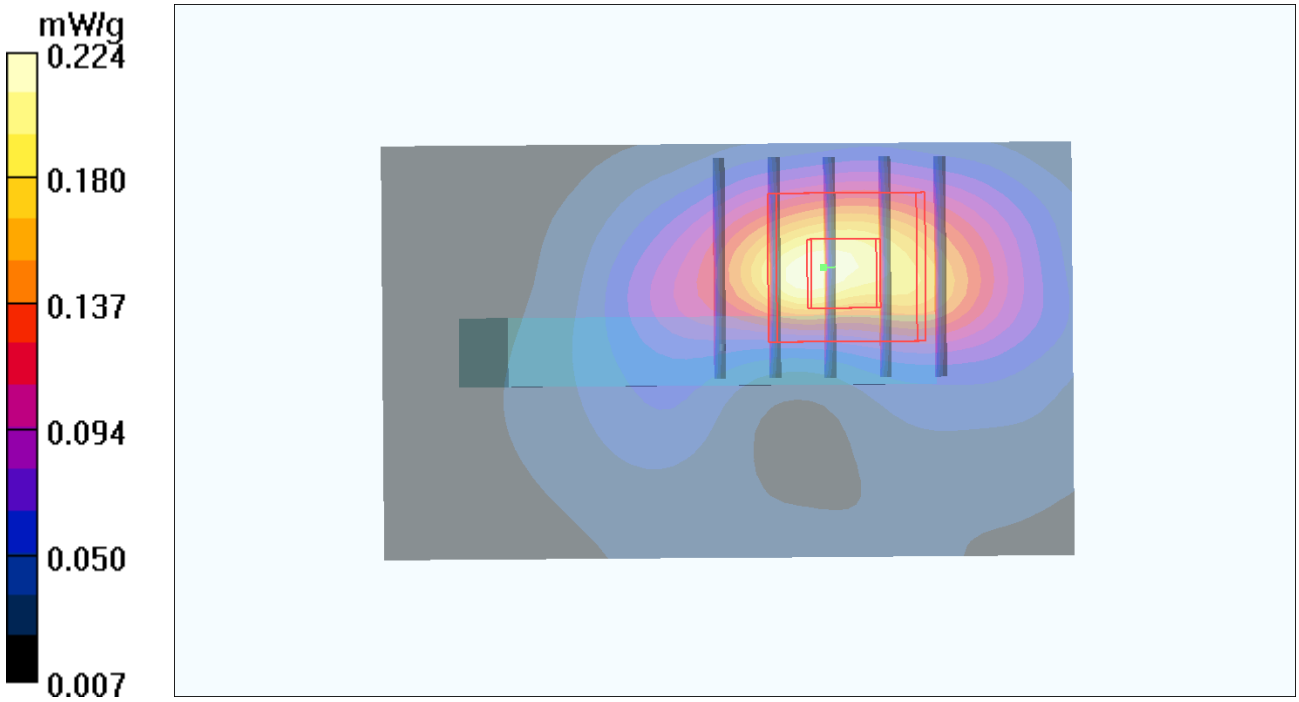
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.224 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.77 V/m; Power Drift = 0.154 dB
Peak SAR (extrapolated) = 0.290 W/kg
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.093 mW/g
Maximum value of SAR (measured) = 0.227 mW/g



P1139 LTE 12_16QAM_10M_Front Face_1cm_Ch23130_25RB_Offset 12

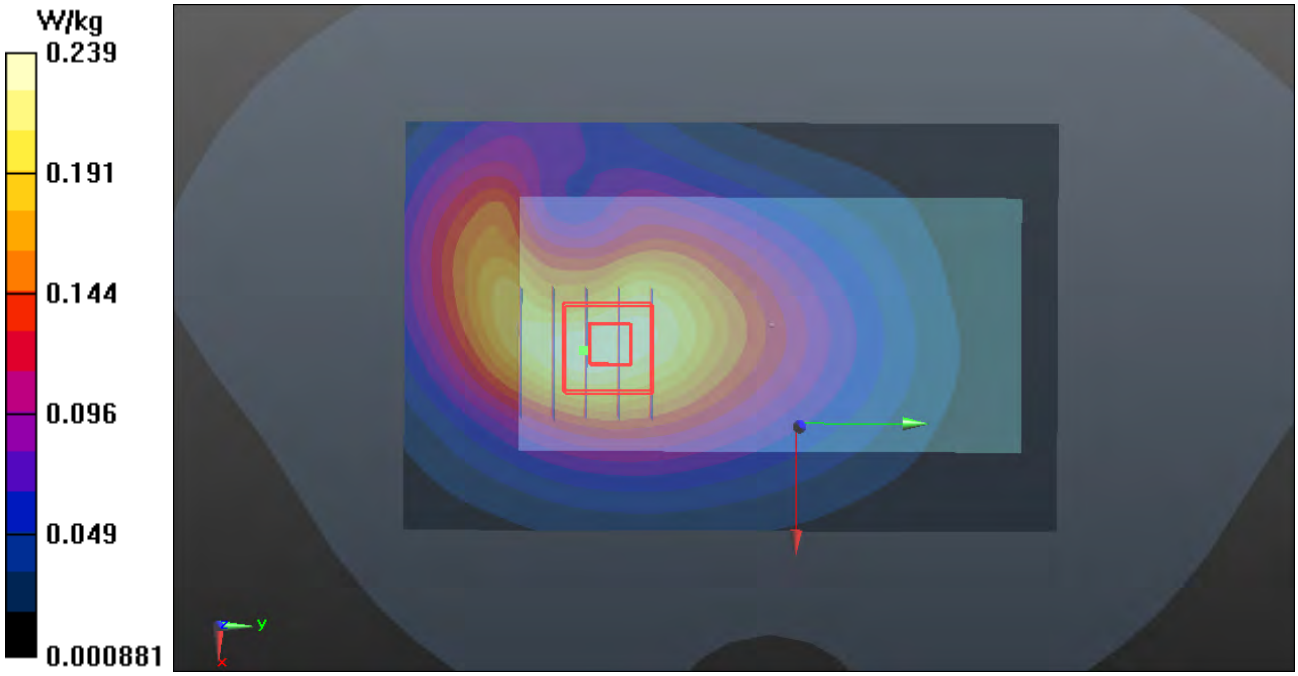
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.239 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.513 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.283 mW/g
SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.243 W/kg



P359 LTE 12_16QAM_10M_Rear Face_1cm_Ch23130_25RB_Offset 12

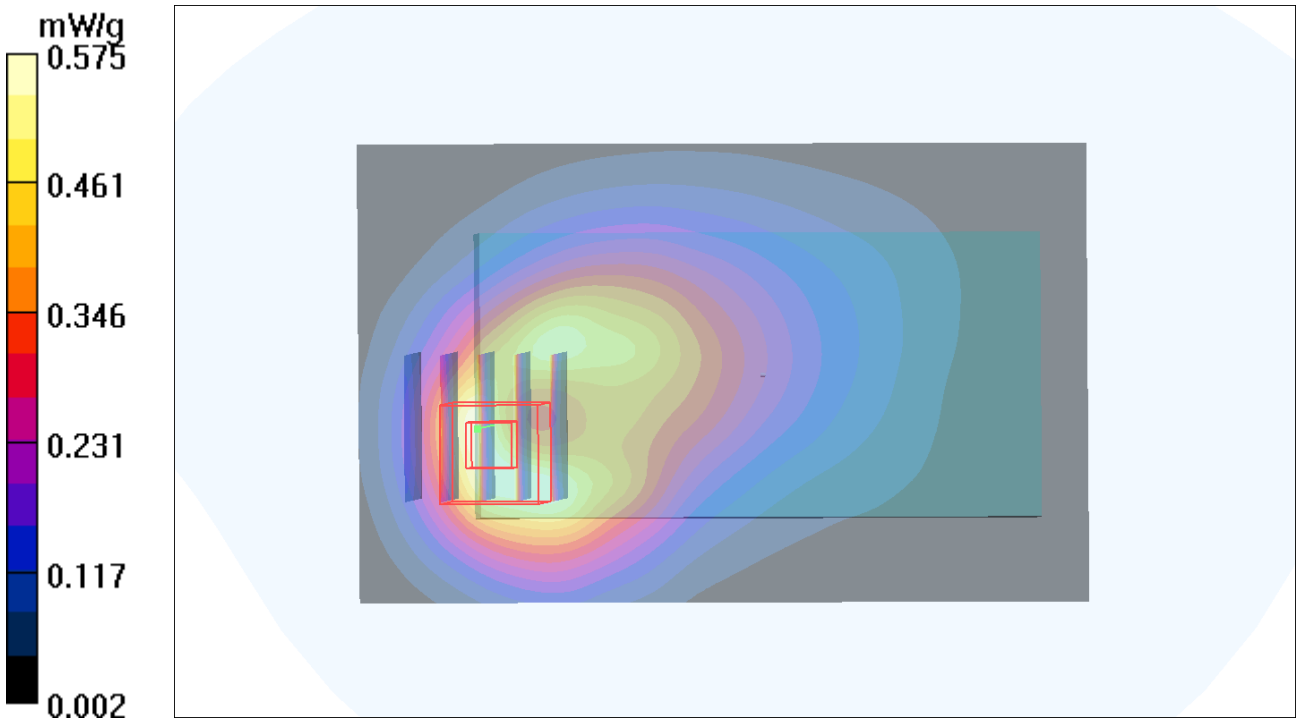
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.575 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.7 V/m; Power Drift = 0.067 dB
Peak SAR (extrapolated) = 0.954 W/kg
SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.696 mW/g



P1153 LTE 12_16QAM_10M_Left Side_1cm_Ch23130_25RB_Offset 12

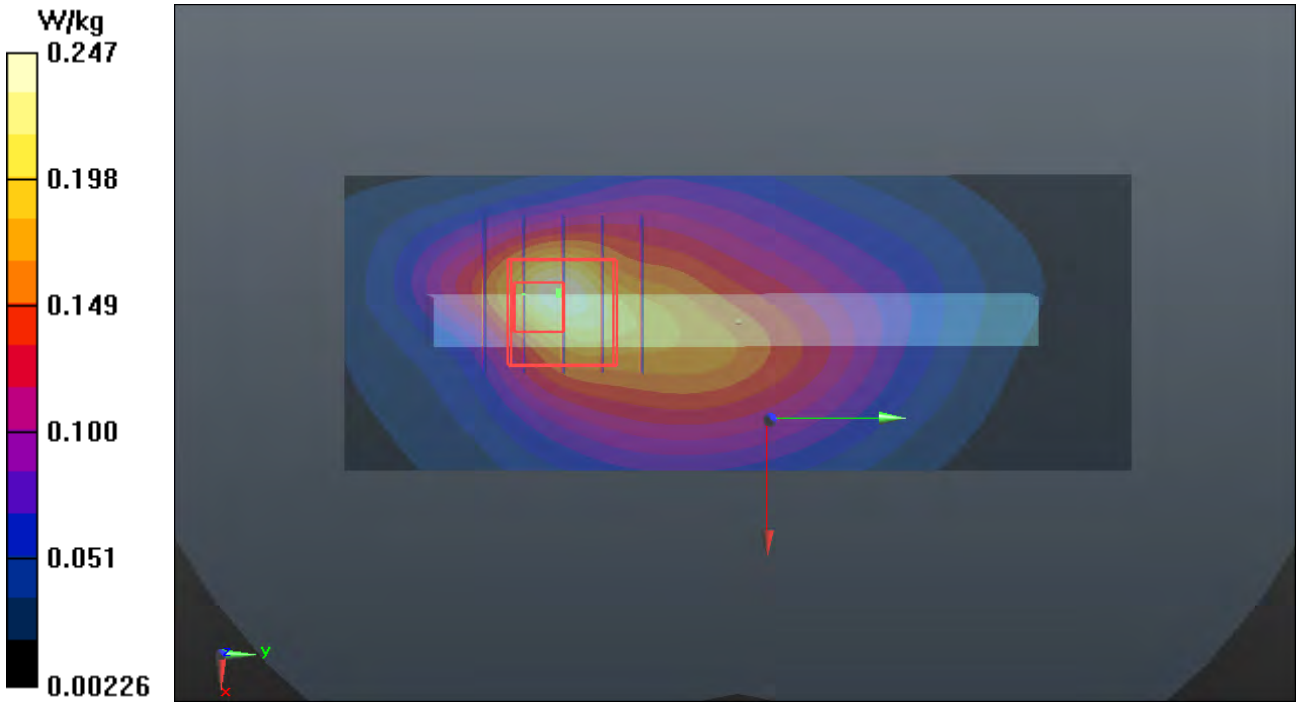
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.247 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.263 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.363 mW/g
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.132 mW/g
Maximum value of SAR (measured) = 0.275 W/kg



P1141 LTE 12_16QAM_10M_Bottom Side_1cm_Ch23130_25RB_Offset 12

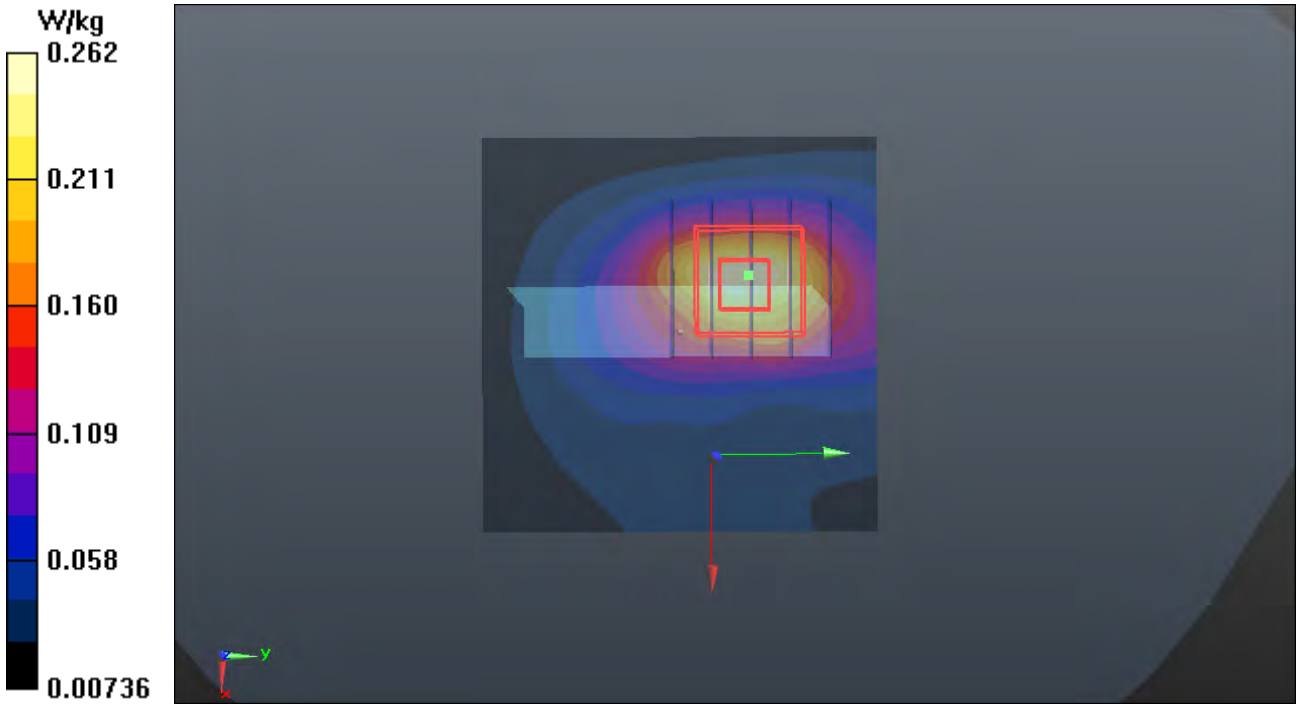
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.262 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.772 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.438 mW/g
SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.134 mW/g
Maximum value of SAR (measured) = 0.325 W/kg



P1142 LTE 12_16QAM_10M_Front Face_1cm_Ch23130_1RB_Offset 0

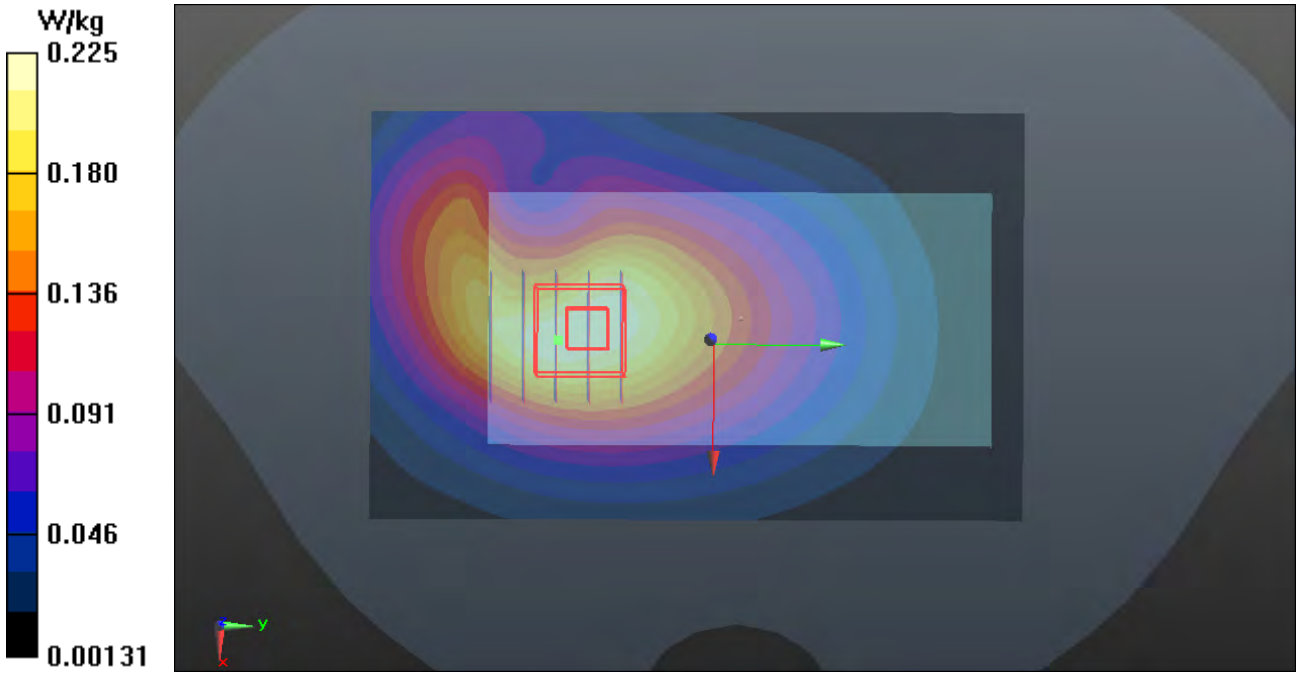
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.912 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.262 mW/g
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.135 mW/g
Maximum value of SAR (measured) = 0.225 W/kg



P360 LTE 12_16QAM_10M_Rear Face_1cm_Ch23130_1RB_Offset 0

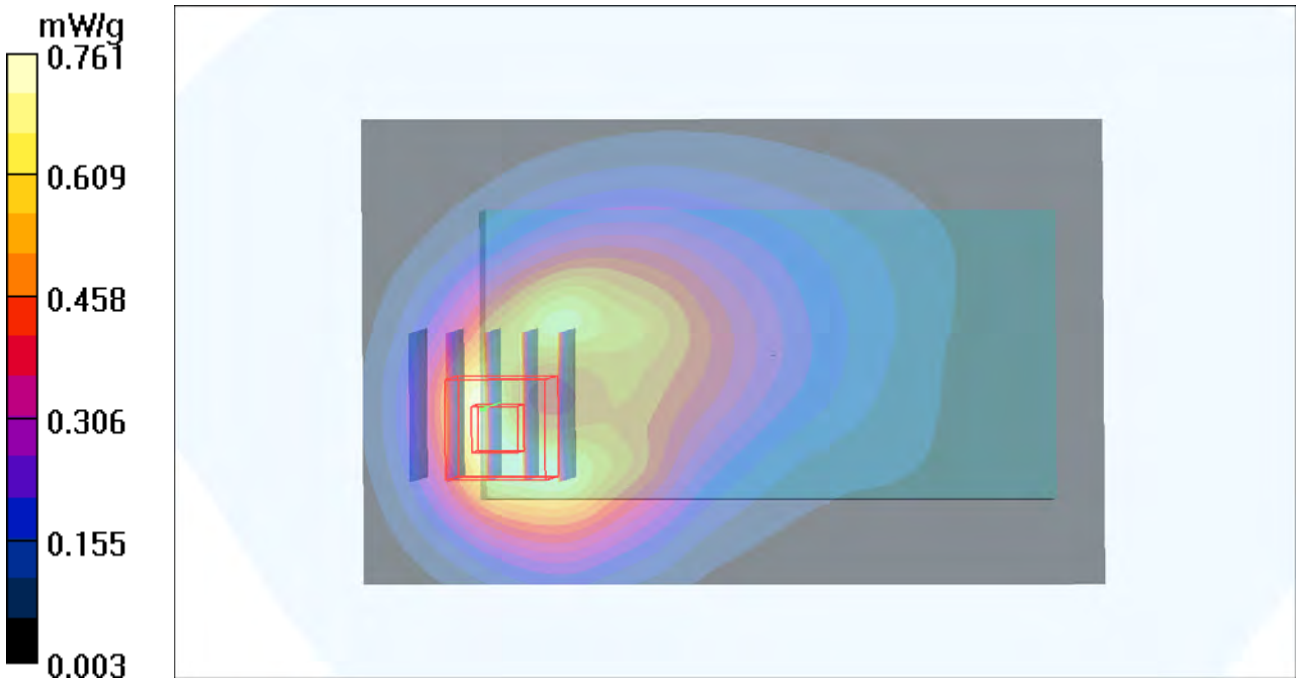
DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.761 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.9 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.720 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.922 mW/g



P1143 LTE 12_16QAM_10M_Left Side_1cm_Ch23130_1RB_Offset 0

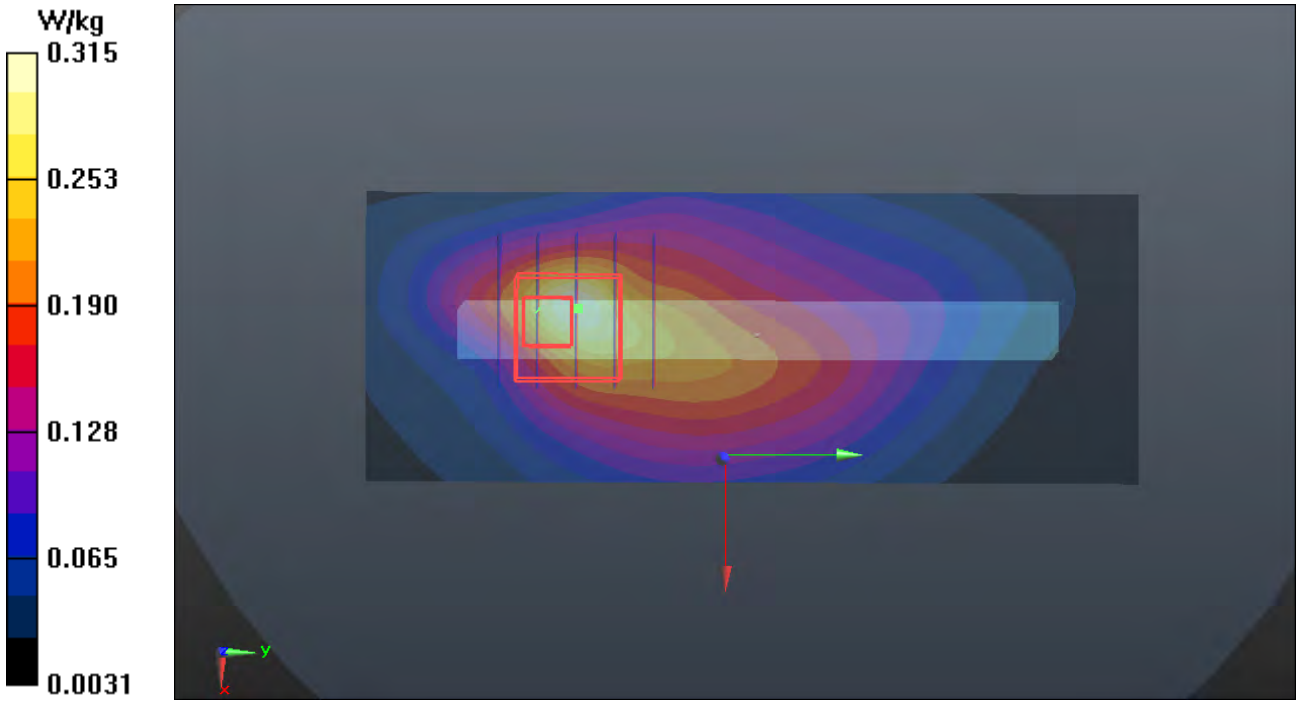
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.315 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.035 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.504 mW/g
SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.171 mW/g
Maximum value of SAR (measured) = 0.376 W/kg



P1145 LTE 12_16QAM_10M_Bottom Side_1cm_Ch23130_1RB_Offset 0

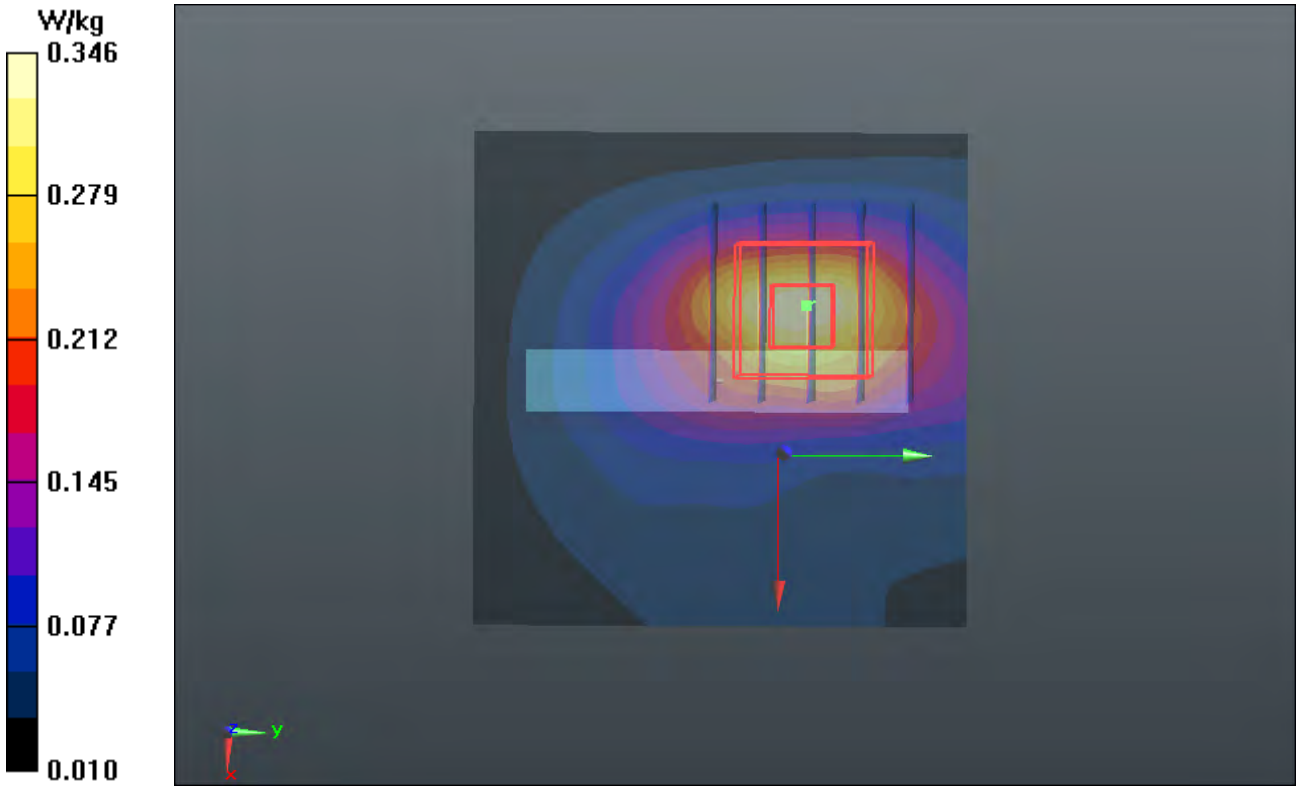
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.346 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.671 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.542 mW/g
SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.404 W/kg



P1146 LTE 12_16QAM_10M_Front Face_1cm_Ch23130_1RB_Offset 49

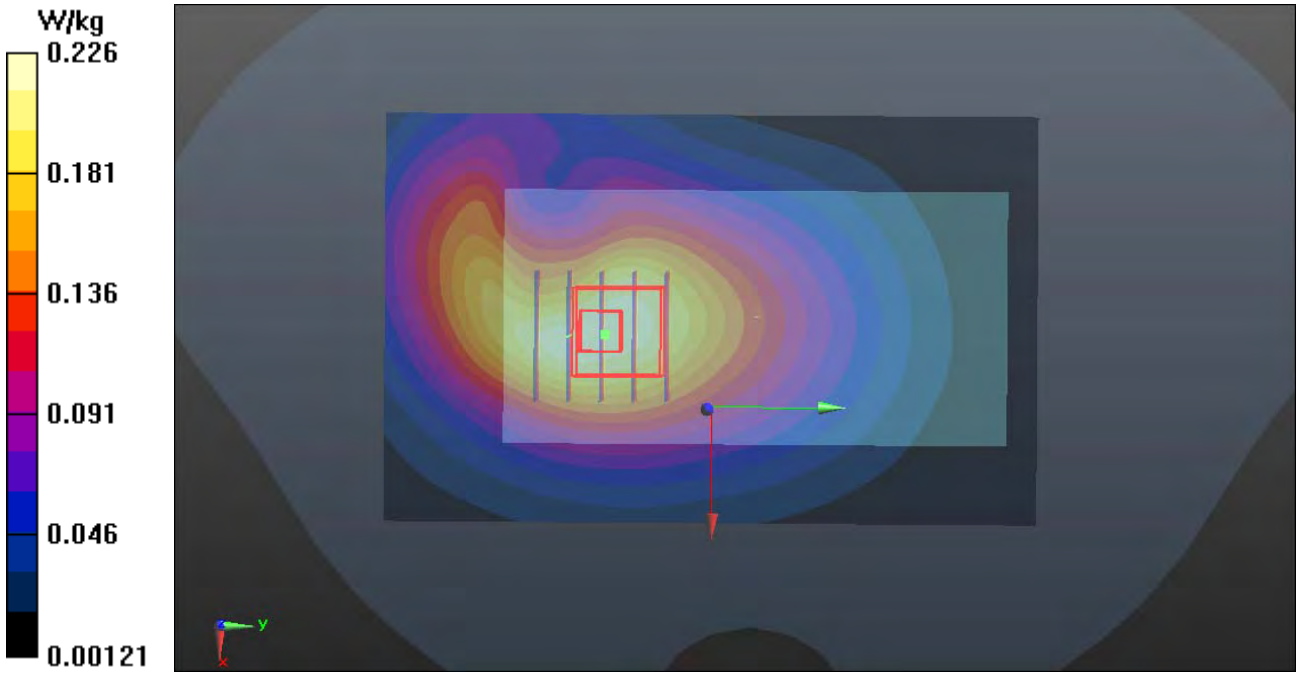
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.226 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.873 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.265 mW/g
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.139 mW/g
Maximum value of SAR (measured) = 0.230 W/kg



P361 LTE 12_16QAM_10M_Rear Face_1cm_Ch23130_1RB_Offset 49

DUT: 120822C31

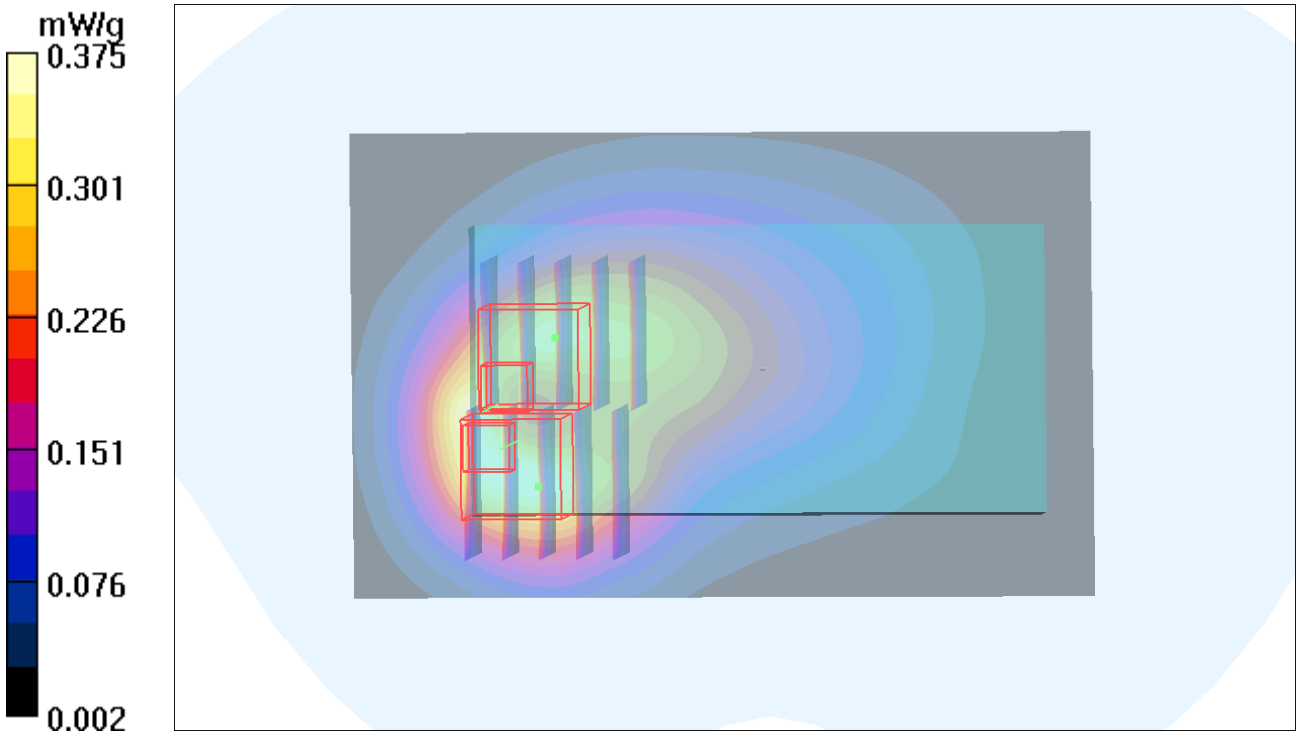
Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0921 Medium parameters used: f = 711 MHz; σ = 0.941 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.375 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.626 W/kg
SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.187 mW/g
Maximum value of SAR (measured) = 0.480 mW/g

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.457 mW/g



P1147 LTE 12_16QAM_10M_Left Side_1cm_Ch23130_1RB_Offset 49

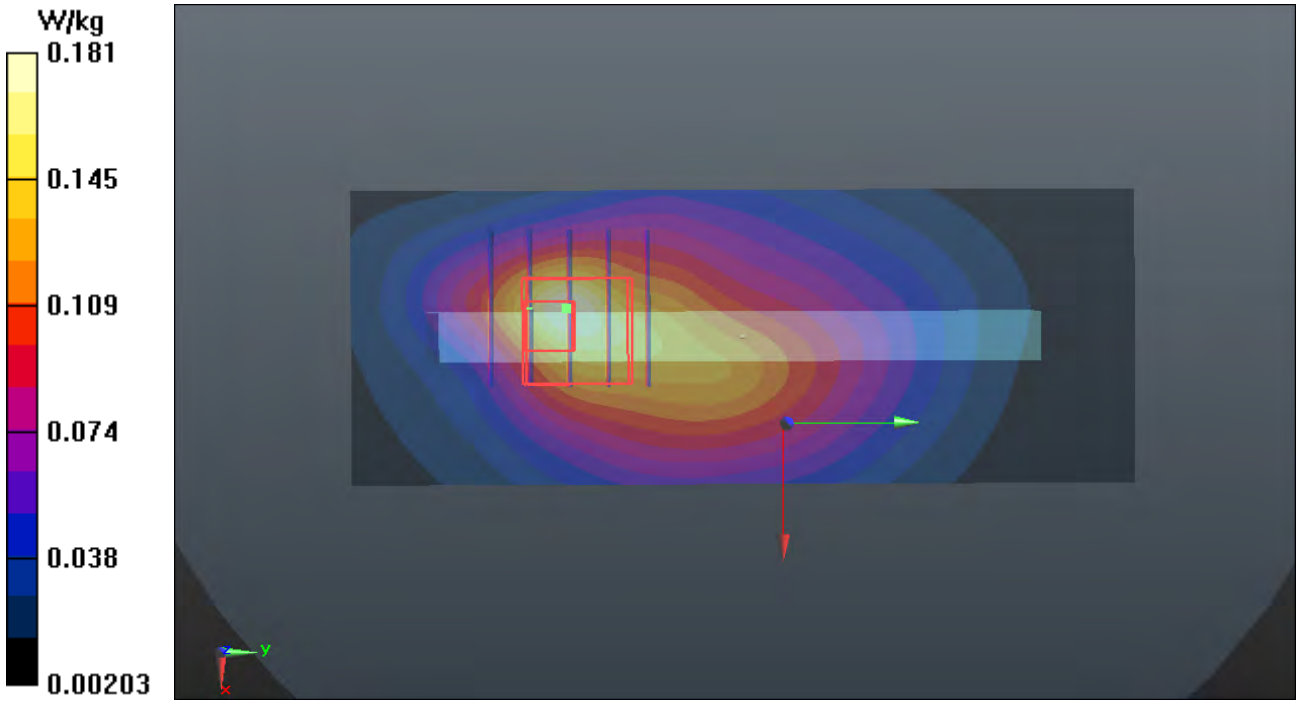
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.604 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.247 mW/g
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.188 W/kg



P1149 LTE 12_16QAM_10M_Bottom Side_1cm_Ch23130_1RB_Offset 49

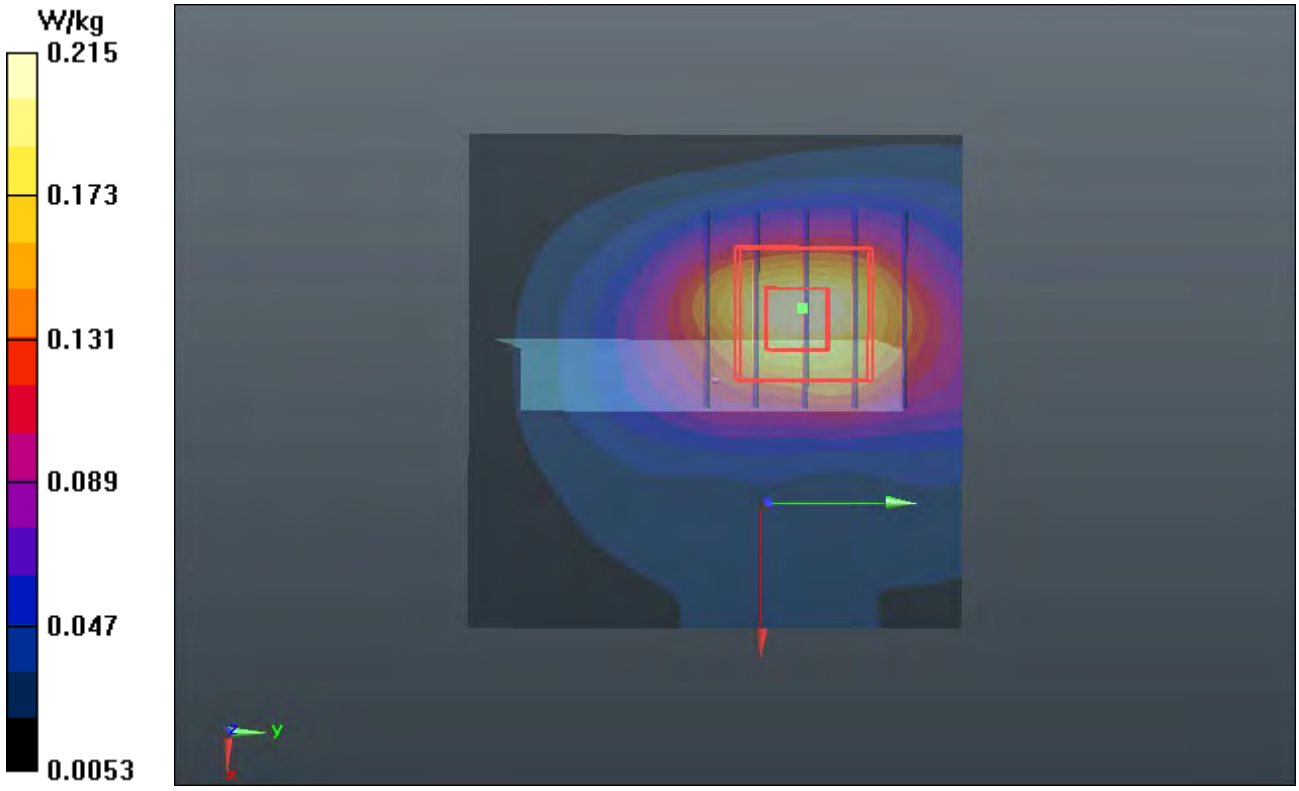
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.215 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.436 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.346 mW/g
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.261 W/kg



P301 LTE 12_QPSK_10M_Front Face_2.5cm_Ch23130_Earphone Off_25RB_Offset 12

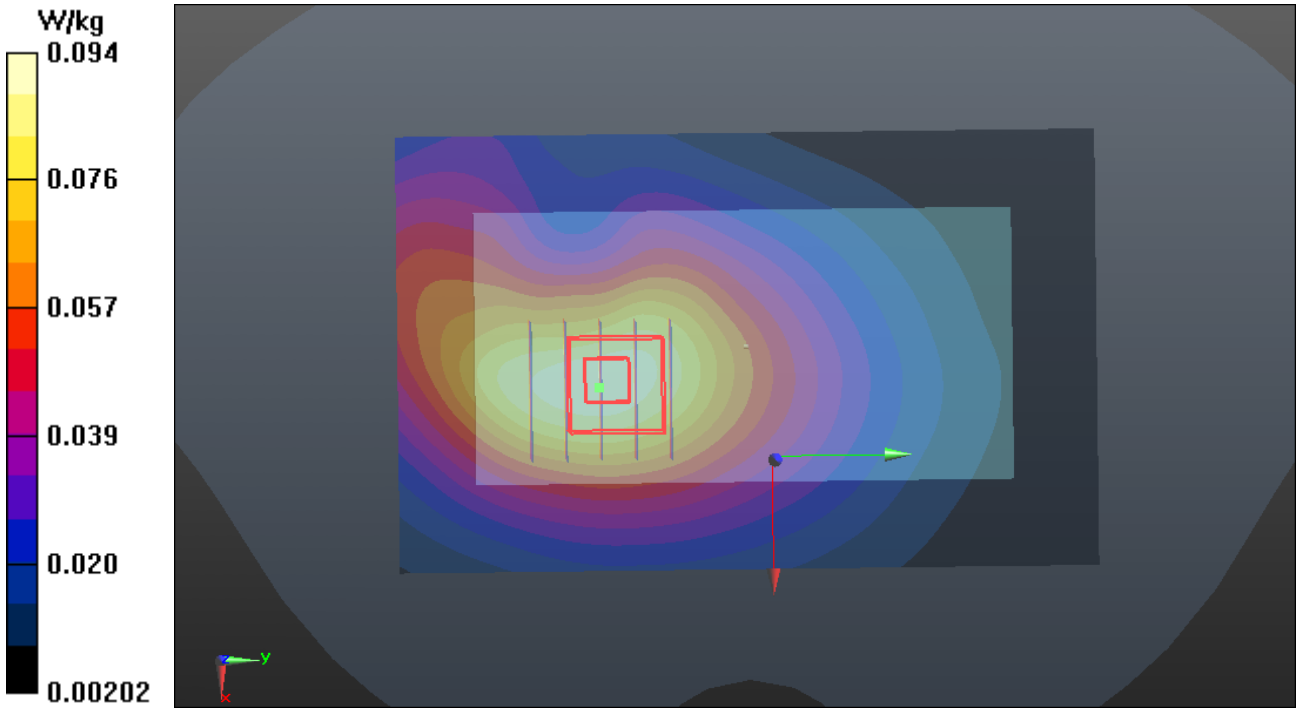
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0942 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.019 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.104 mW/g
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.0930 W/kg



P302 LTE 12_QPSK_10M_Rear Face_2.5cm_Ch23130_Earphone Off_25RB_Offset 12

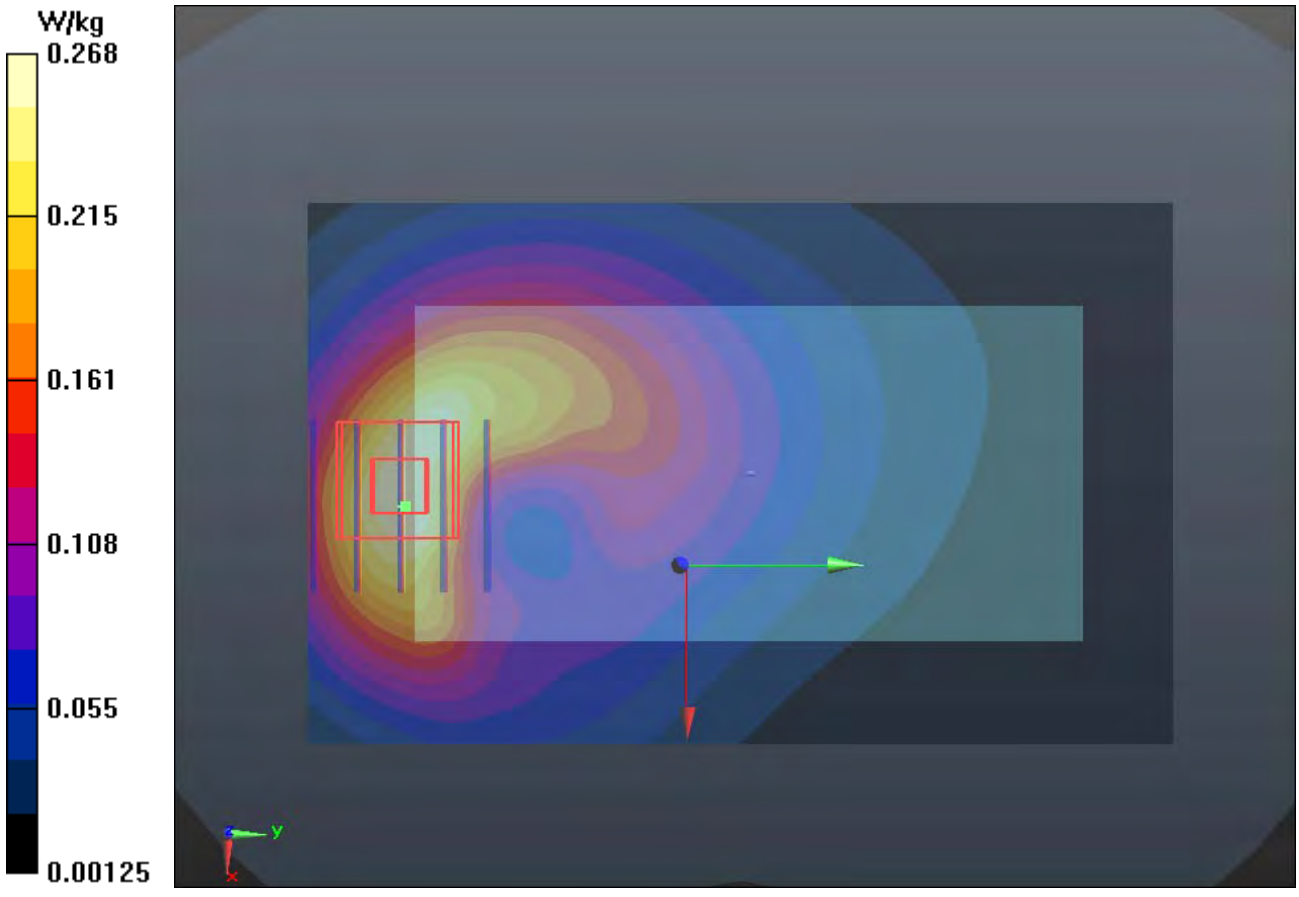
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.268 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.871 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.335 mW/g
SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.152 mW/g
Maximum value of SAR (measured) = 0.284 W/kg



P303 LTE 12_QPSK_10M_Front Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 0

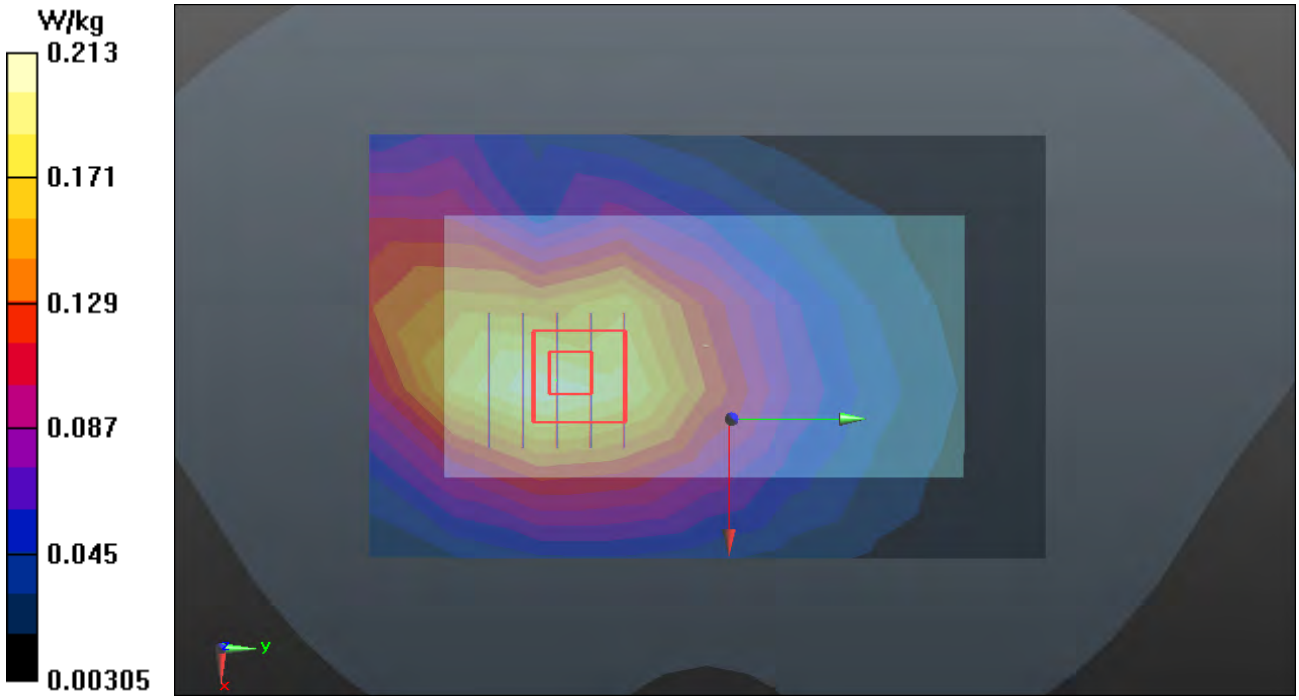
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (measured) = 0.213 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.869 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.244 mW/g
SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.136 mW/g
Maximum value of SAR (measured) = 0.218 W/kg



P304 LTE 12_QPSK_10M_Rear Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 0

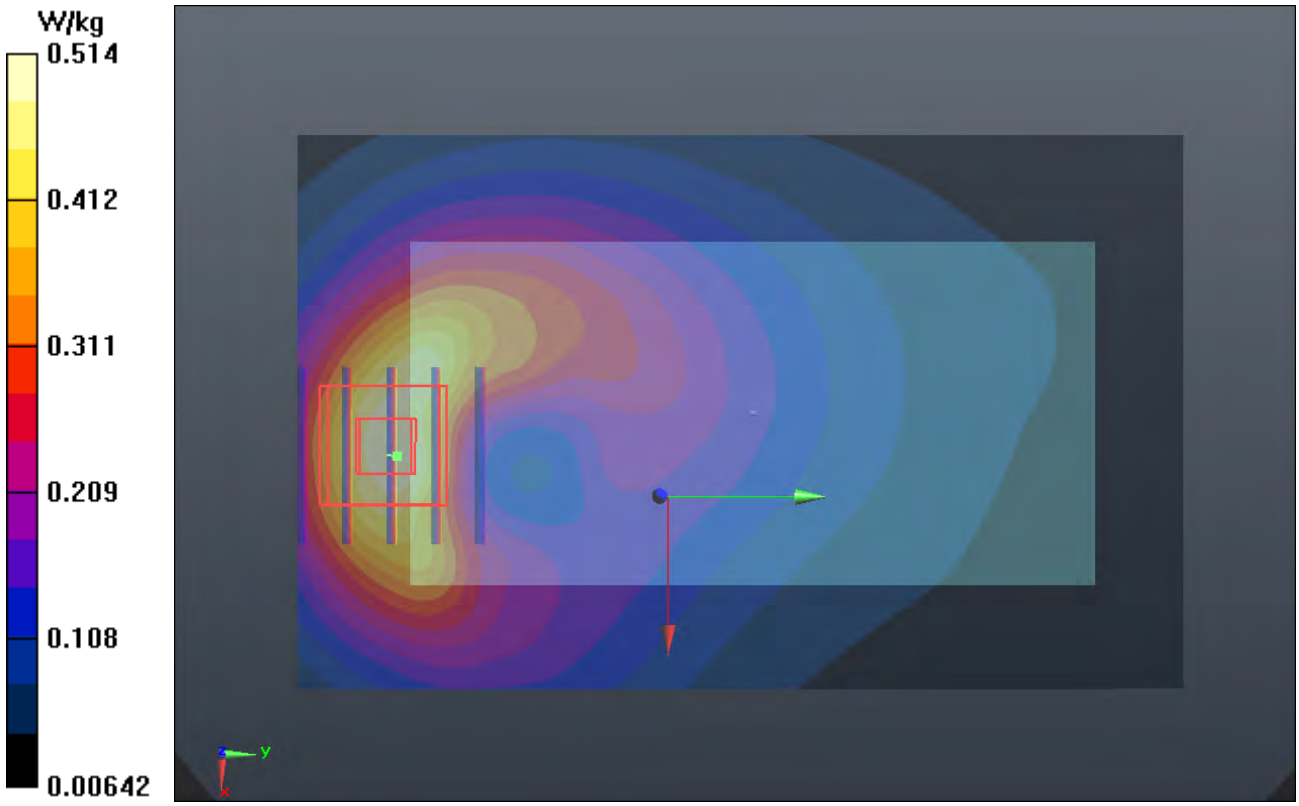
DUT: 120822C31

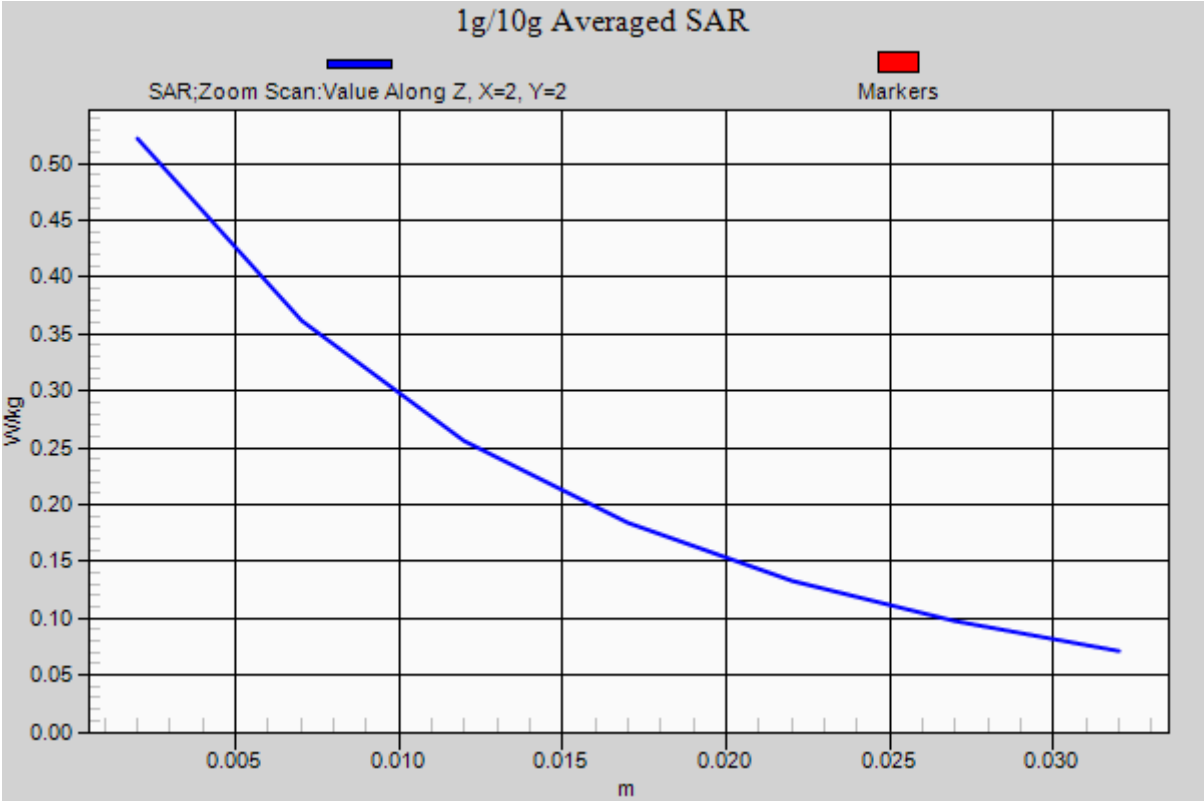
Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.514 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.371 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.611 mW/g
SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.522 W/kg




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

P305 LTE 12_QPSK_10M_Front Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 49

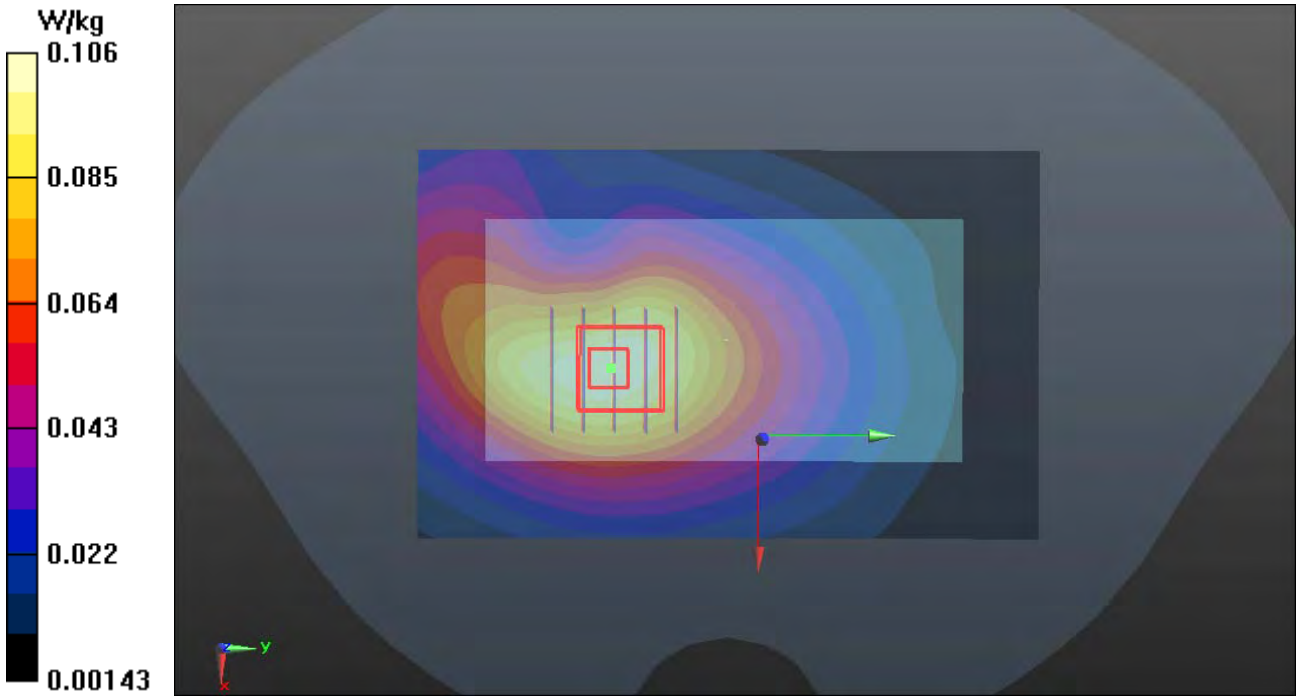
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.106 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.550 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.119 mW/g
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.107 W/kg



P306 LTE 12_QPSK_10M_Rear Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 49

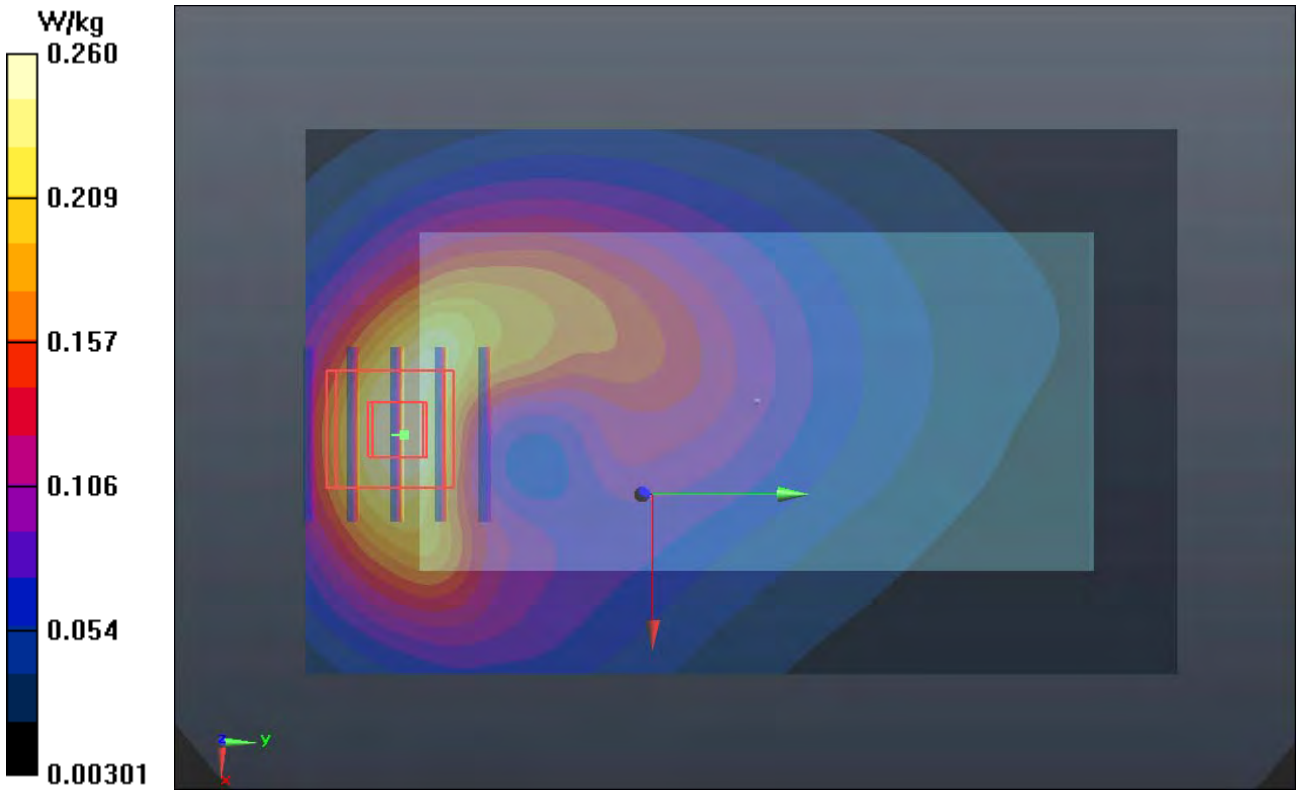
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.260 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.554 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.316 mW/g
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.143 mW/g
Maximum value of SAR (measured) = 0.270 W/kg



P1150 LTE 12_16QAM_10M_Front Face_2.5cm_Ch23130_25RB_Offset 12_Earphone

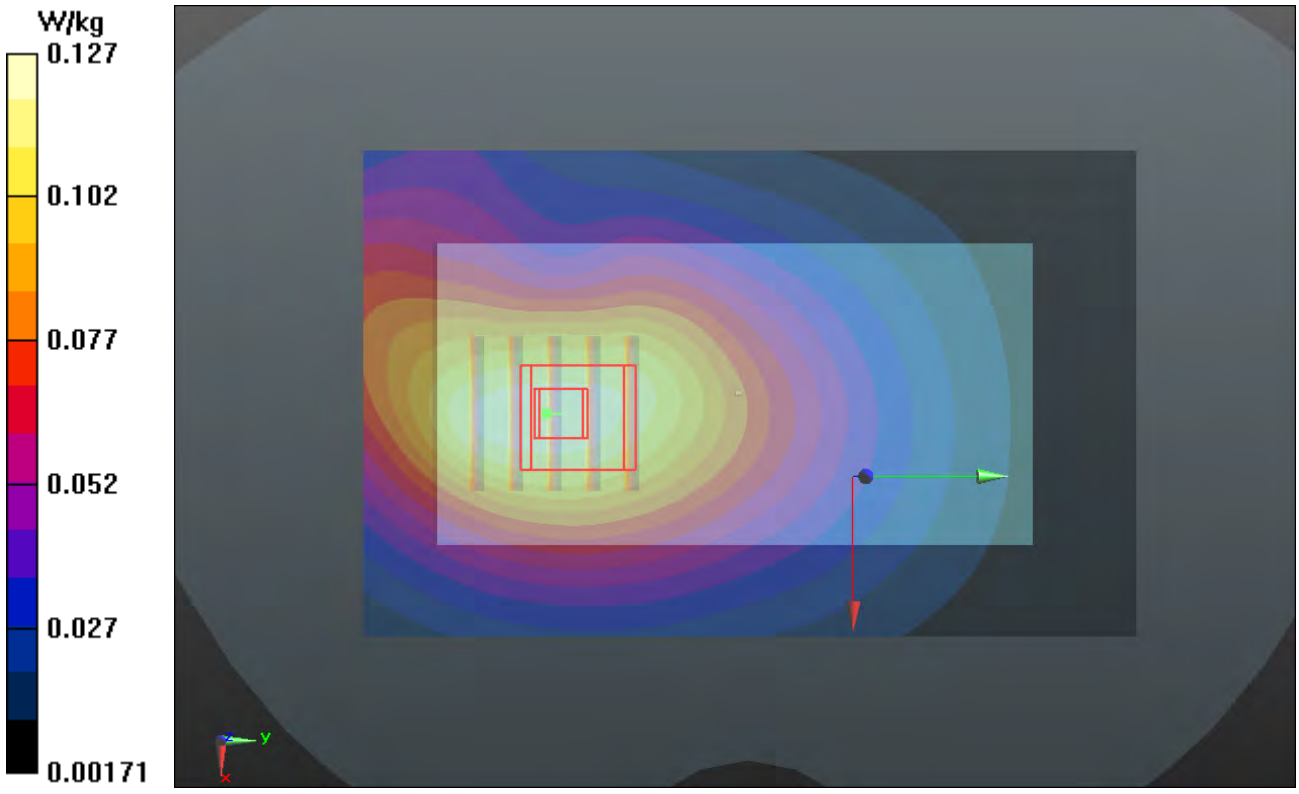
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.127 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.156 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.142 mW/g
SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.078 mW/g
Maximum value of SAR (measured) = 0.126 W/kg



P307 LTE 12_16QAM_10M_Rear Face_2.5cm_Ch23130_Earphone Off_25RB_Offset 12

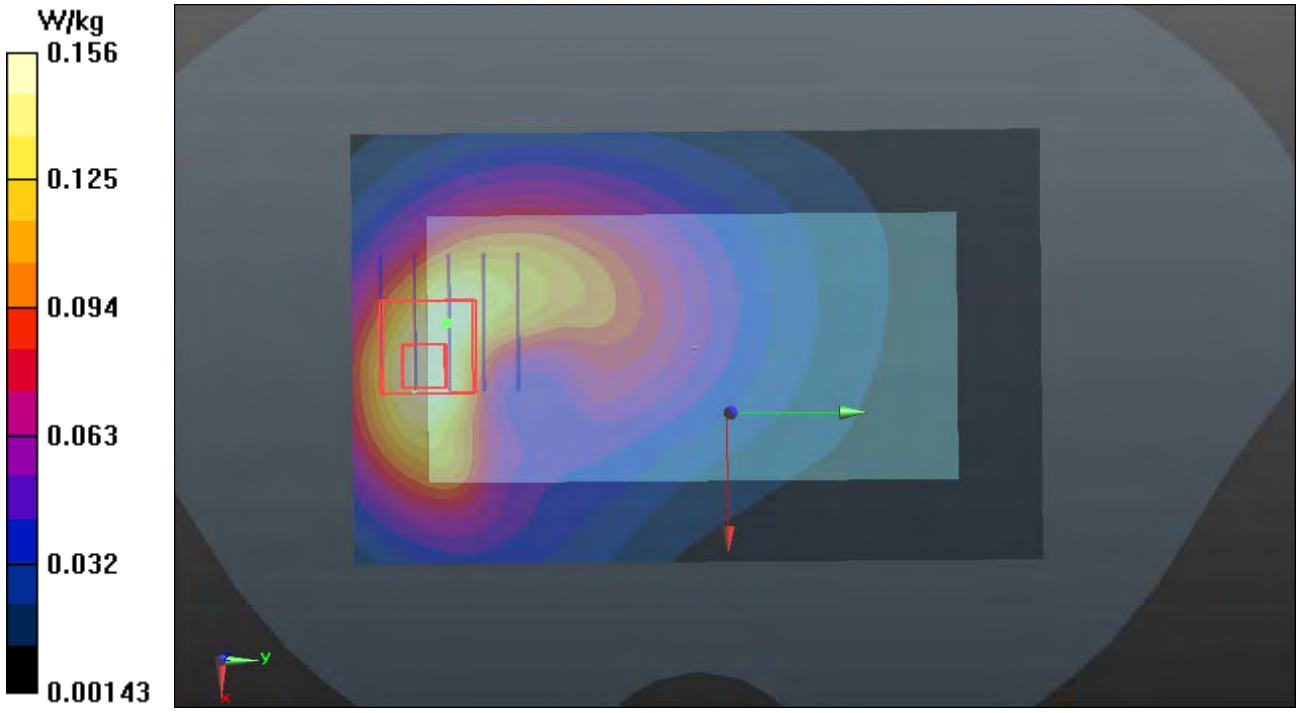
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.156 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.019 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.188 mW/g
SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.156 W/kg



P1151 LTE 12_16QAM_10M_Front Face_2.5cm_Ch23130_1RB_Offset 0_Earphone

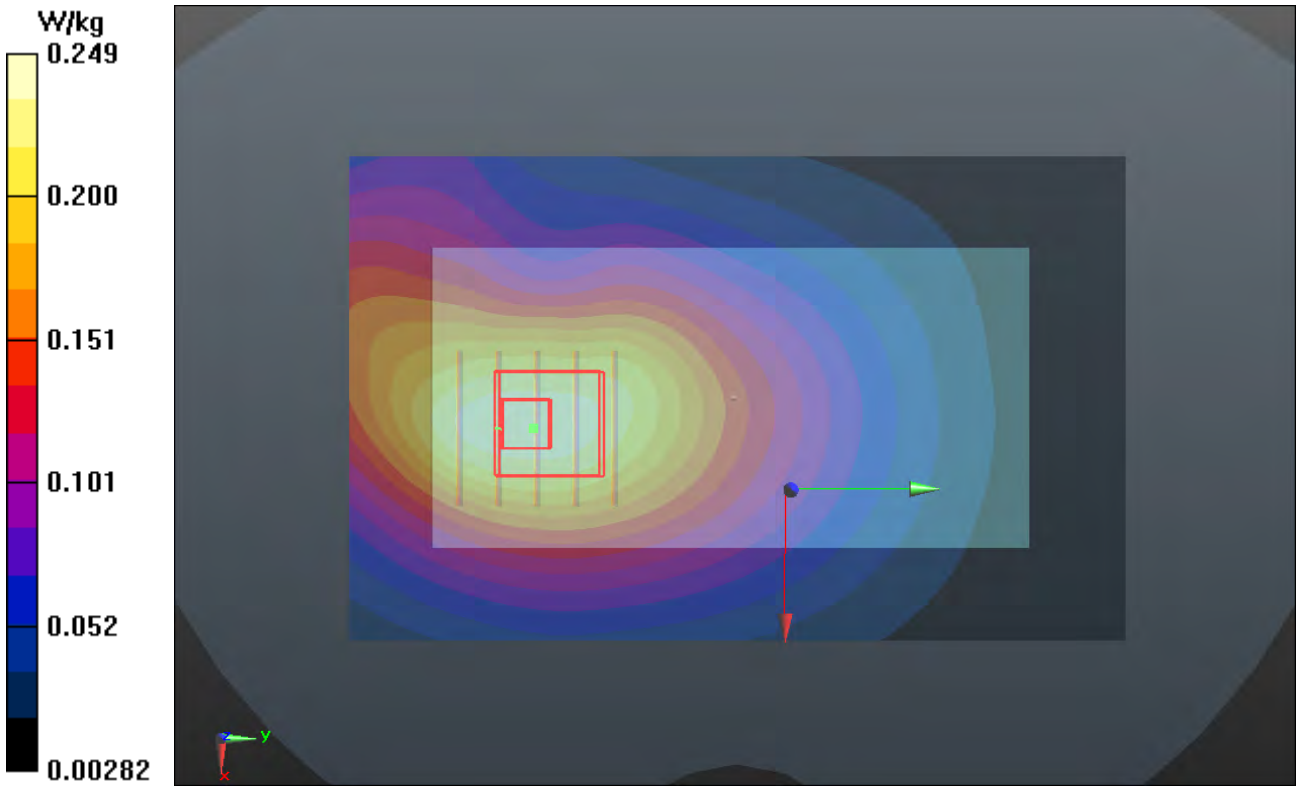
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.249 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.407 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.283 mW/g
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.153 mW/g
Maximum value of SAR (measured) = 0.249 W/kg



P308 LTE 12_16QAM_10M_Rear Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 0

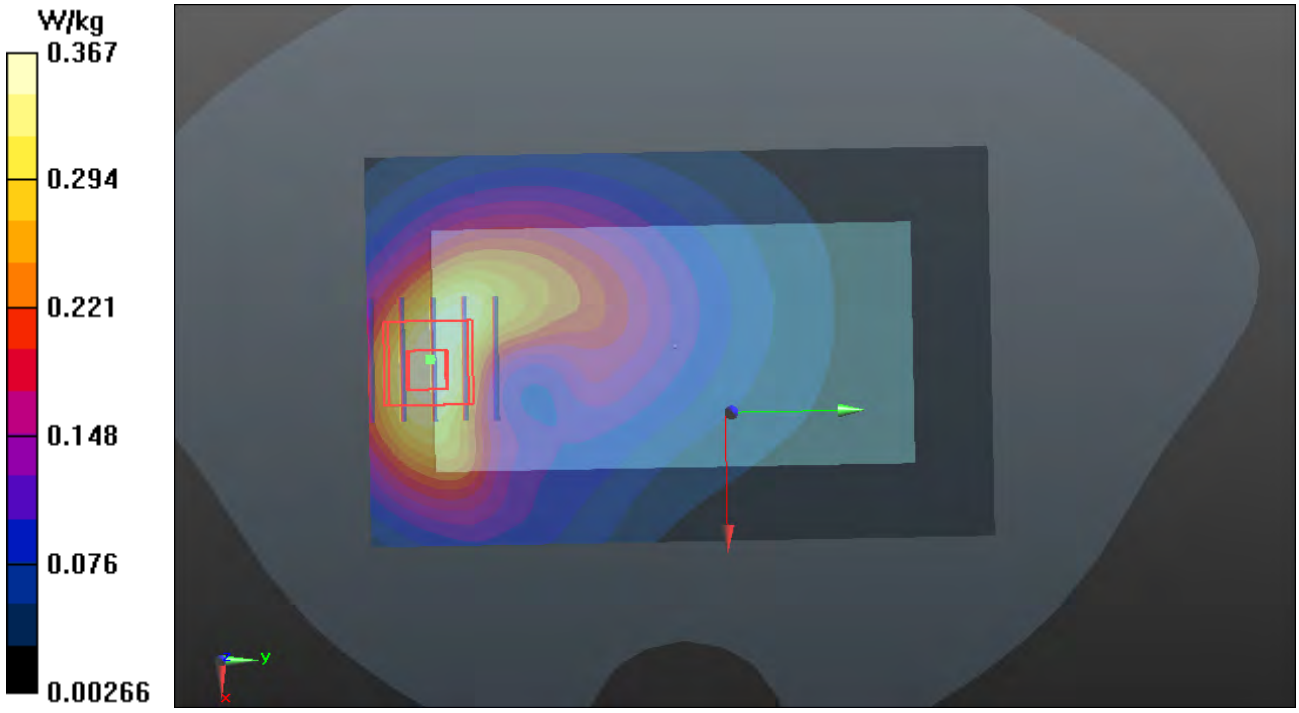
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.367 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.243 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.457 mW/g
SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.207 mW/g
Maximum value of SAR (measured) = 0.390 W/kg



P1152 LTE 12_16QAM_10M_Front Face_2.5cm_Ch23130_1RB_Offset 49_Earphone

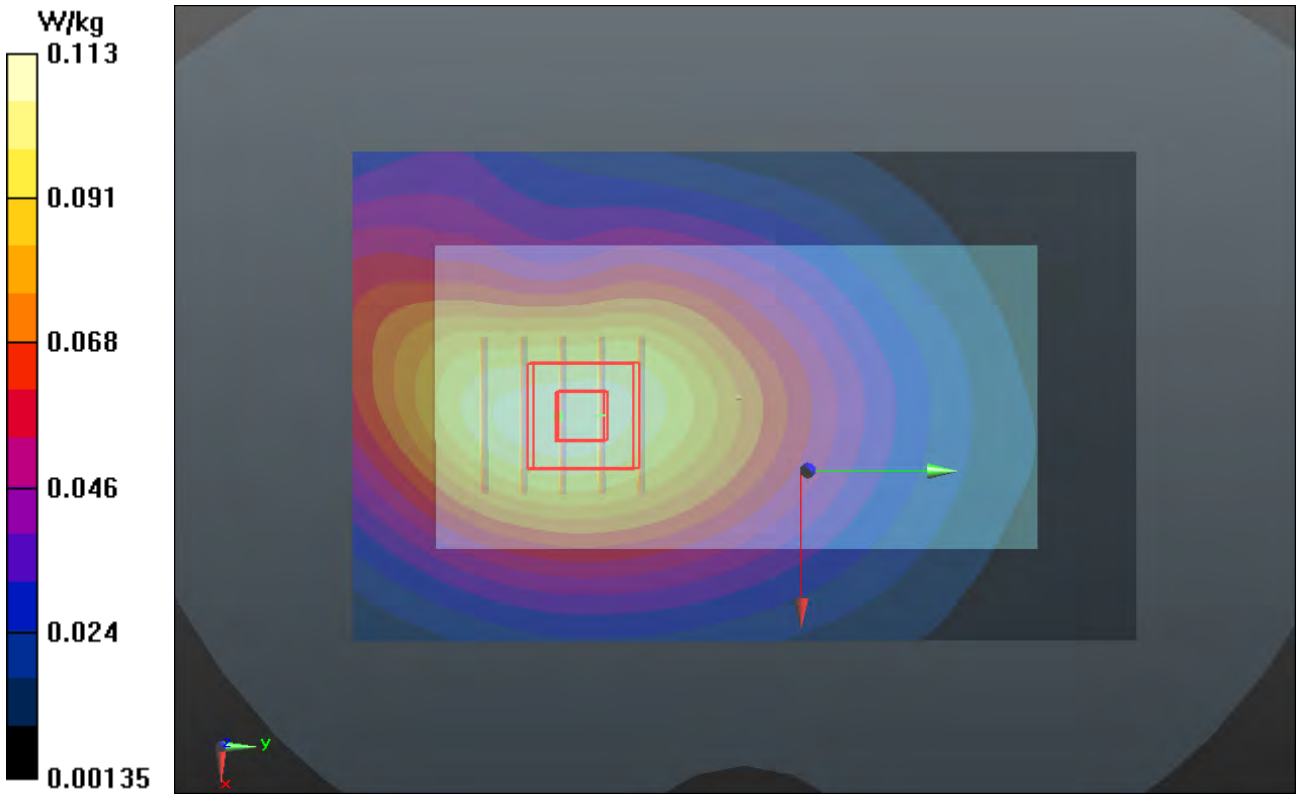
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_1020 Medium parameters used: f = 711 MHz; σ = 0.933 mho/m; ε_r = 55.577; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(10.61, 10.61, 10.61); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.113 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.129 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.132 mW/g
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.117 W/kg



P309 LTE 12_16QAM_10M_Rear Face_2.5cm_Ch23130_Earphone Off_1RB_Offset 49

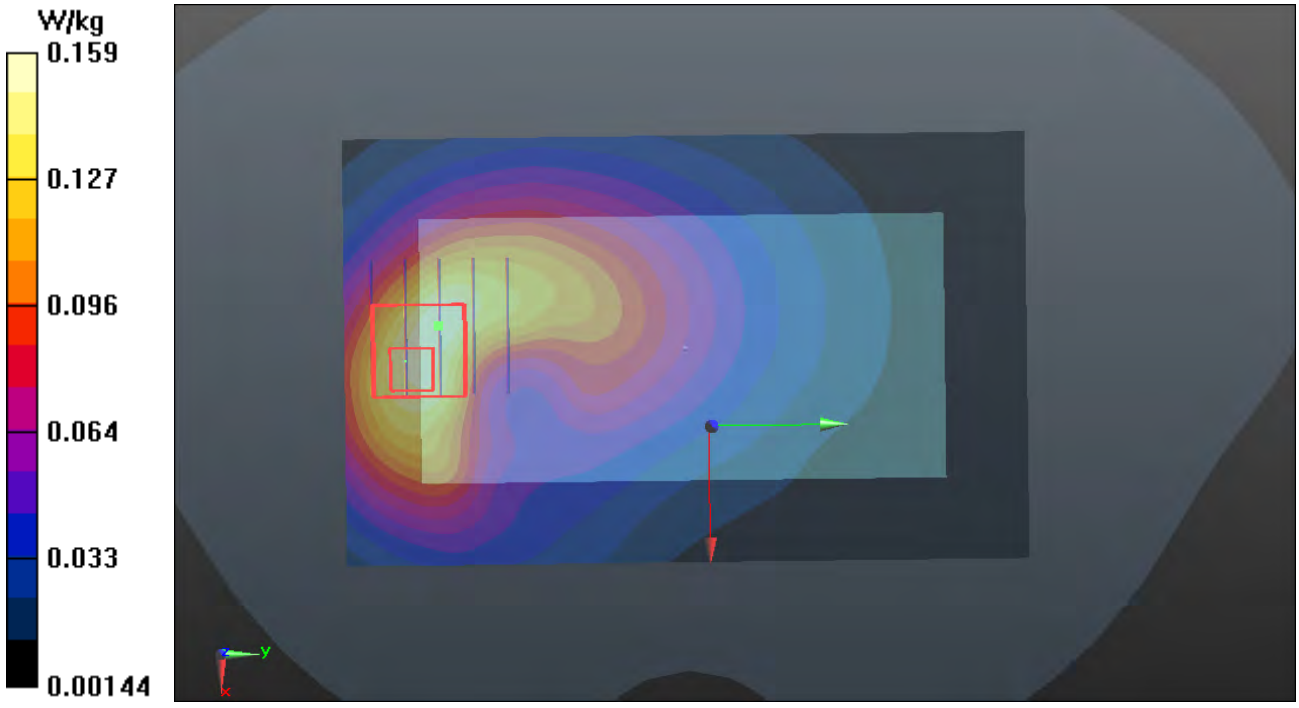
DUT: 120822C31

Communication System: LTE ; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0907 Medium parameters used: f = 711 MHz; σ = 0.936 mho/m; ε_r = 55.841; ρ = 1000 kg/m^3
Ambient Temperature：21.9 ℃; Liquid Temperature：20.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.159 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.469 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.192 mW/g
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.161 W/kg



P406 LTE 25_QPSK_10M_Front Face_1cm_Ch26365_25RB_Offset 12

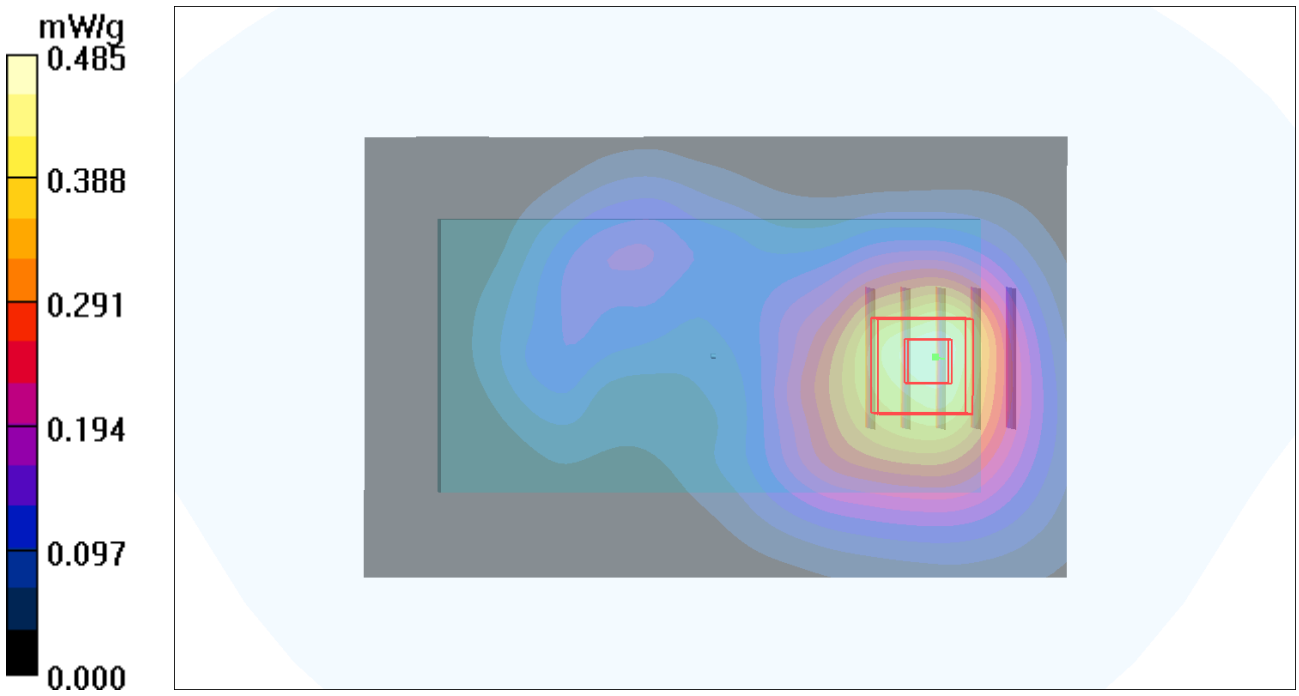
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used : f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.485 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.57 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.230 mW/g
Maximum value of SAR (measured) = 0.473 mW/g



P407 LTE 25_QPSK_10M_Rear Face_1cm_Ch26365_25RB_Offset 12

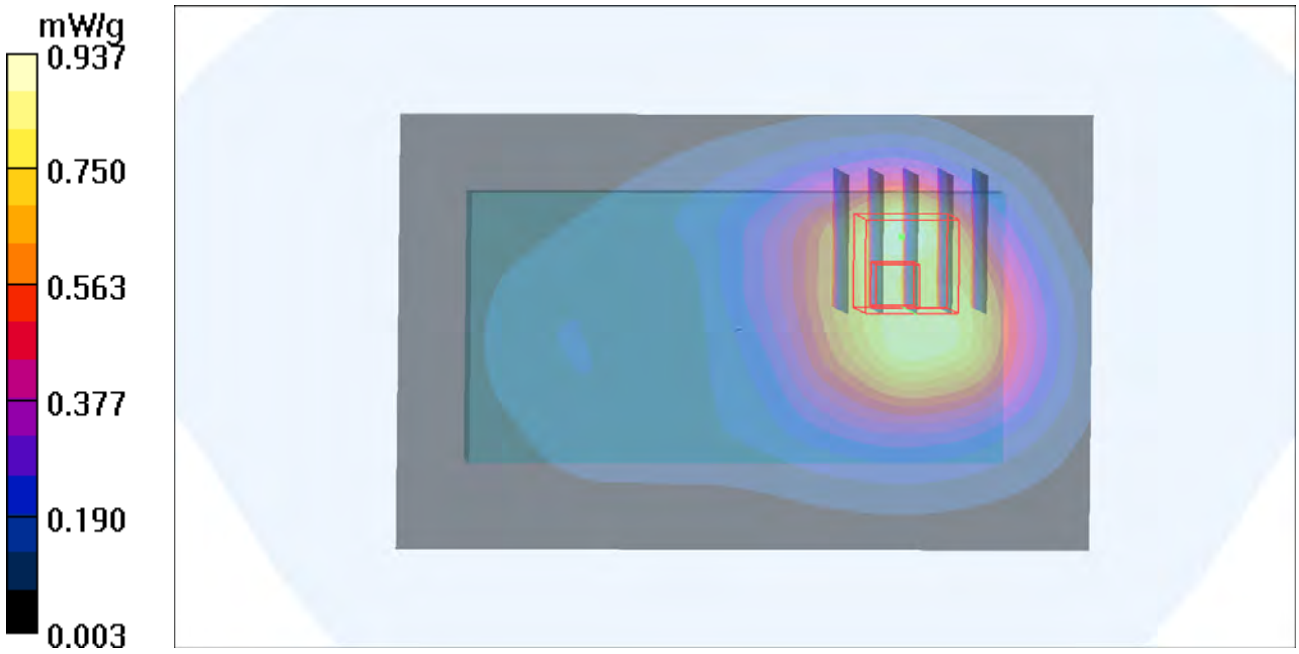
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.937 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.1 V/m; Power Drift = -0.008 dB
Peak SAR (extrapolated) = 0.998 W/kg
SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.387 mW/g
Maximum value of SAR (measured) = 0.822 mW/g



P408 LTE 25_QPSK_10M_Right Side_1cm_Ch26365_25RB_Offset 12

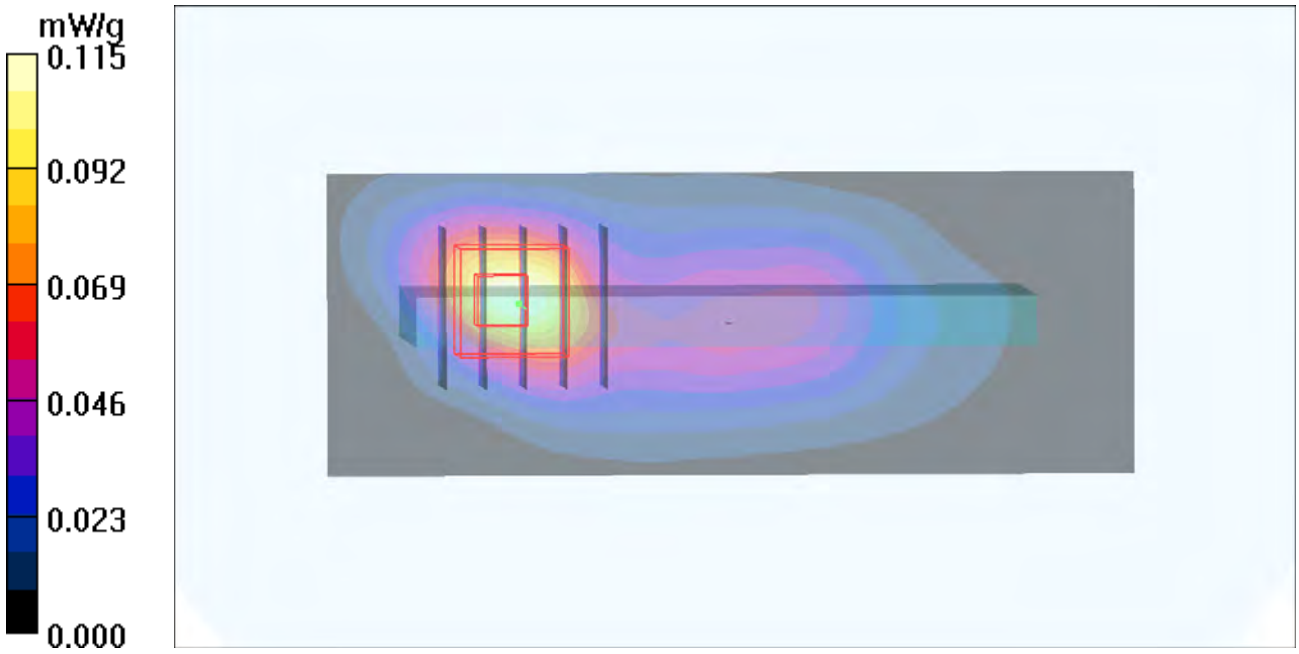
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.30 V/m; Power Drift = 0.146 dB
Peak SAR (extrapolated) = 0.178 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.047 mW/g
Maximum value of SAR (measured) = 0.131 mW/g



P409 LTE 25_QPSK_10M_Top Side_1cm_Ch26365_25RB_Offset 12

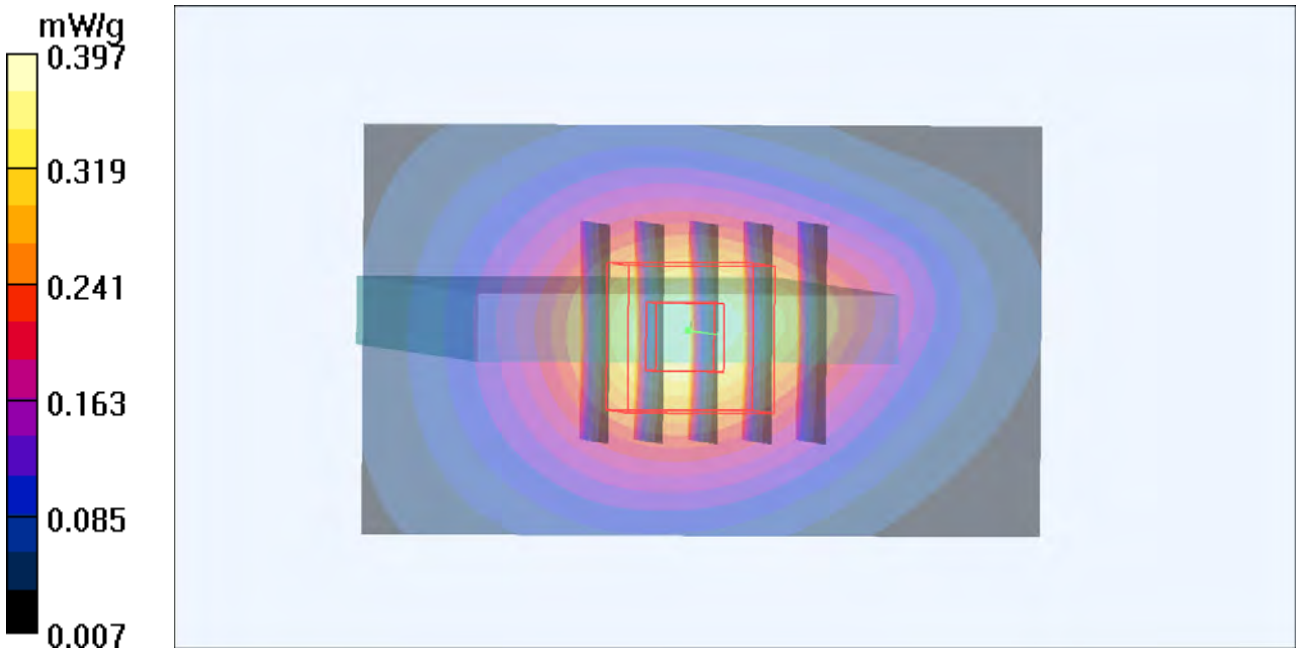
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.397 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.6 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.507 W/kg
SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.185 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



P410 LTE 25_QPSK_10M_Front Face_1cm_Ch26365_1RB_Offset 0

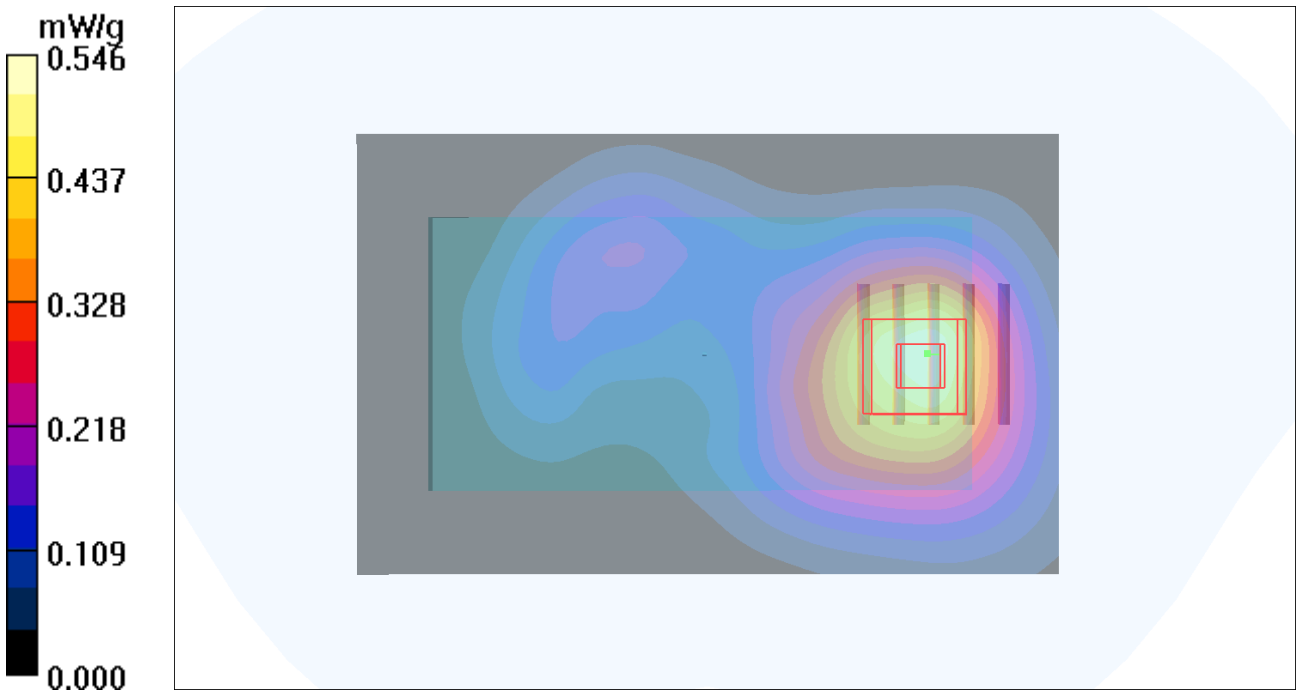
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used : f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.546 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.97 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.627 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.523 mW/g



P411 LTE 25_QPSK_10M_Rear Face_1cm_Ch26365_1RB_Offset 0

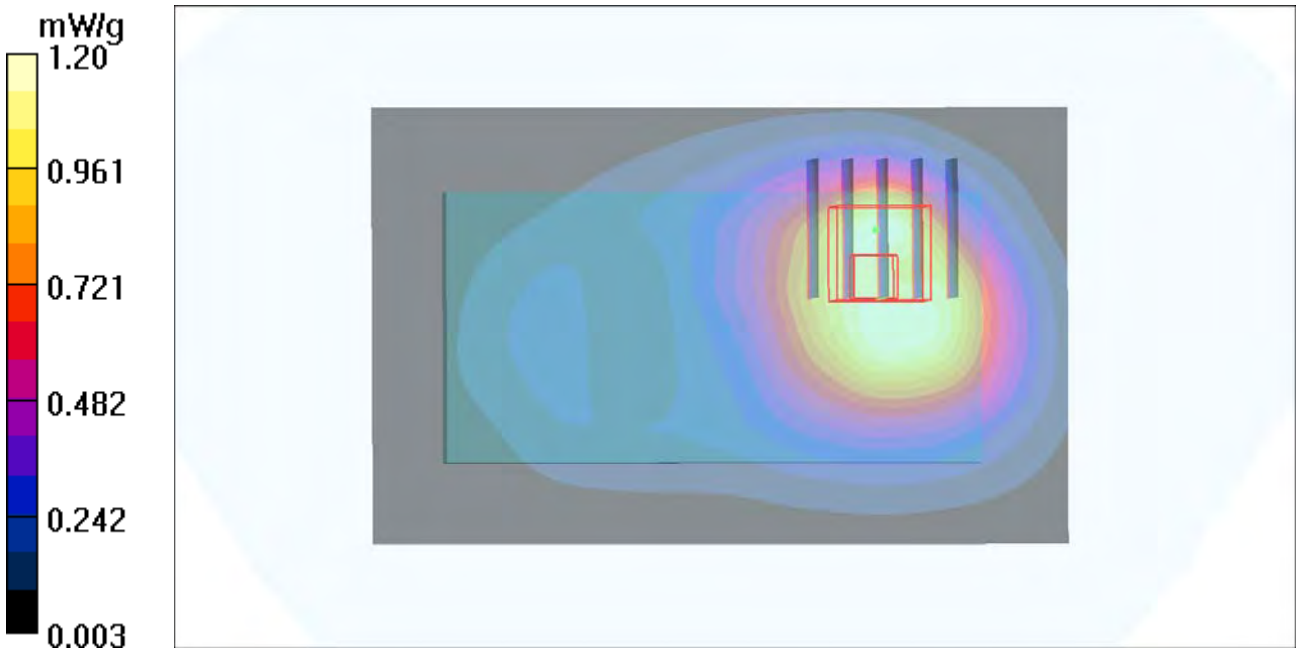
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.20 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.125 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.503 mW/g
Maximum value of SAR (measured) = 1.06 mW/g



P412 LTE 25_QPSK_10M_Right Side_1cm_Ch26365_1RB_Offset 0

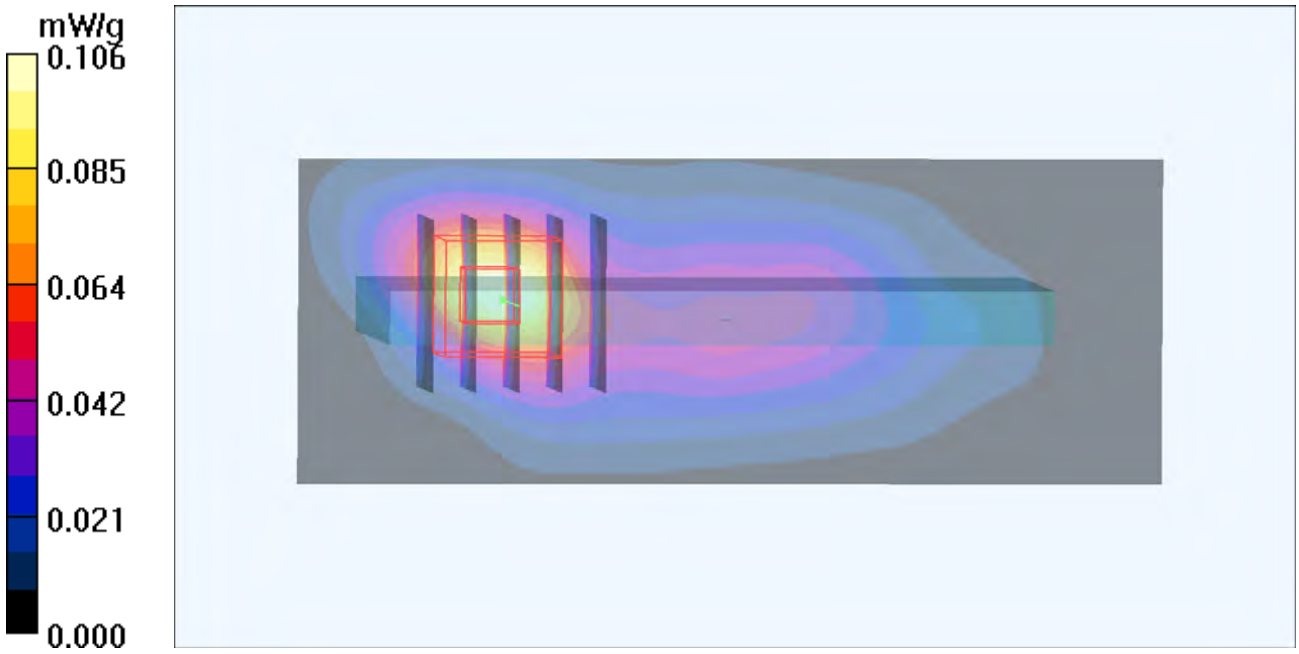
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.106 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.08 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 0.166 W/kg
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.126 mW/g



P413 LTE 25_QPSK_10M_Top Side_1cm_Ch26365_1RB_Offset 0

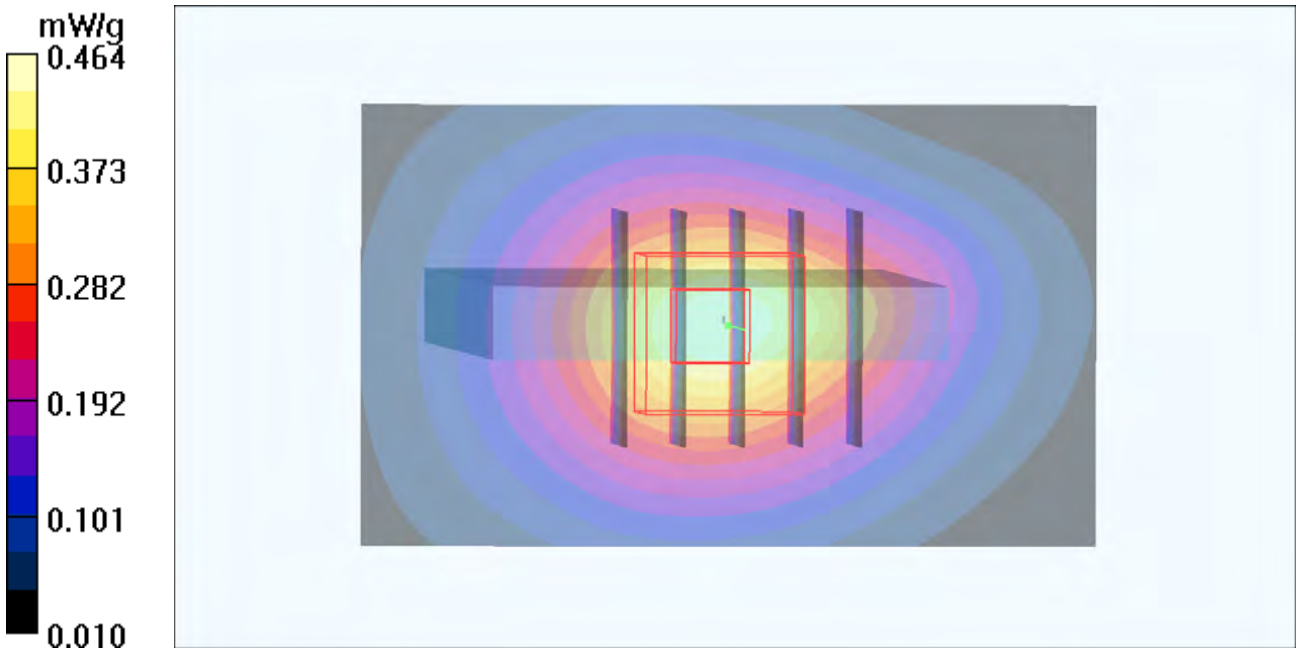
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.464 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.1 V/m; Power Drift = -0.182 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



P414 LTE 25_QPSK_10M_Front Face_1cm_Ch26365_1RB_Offset 49

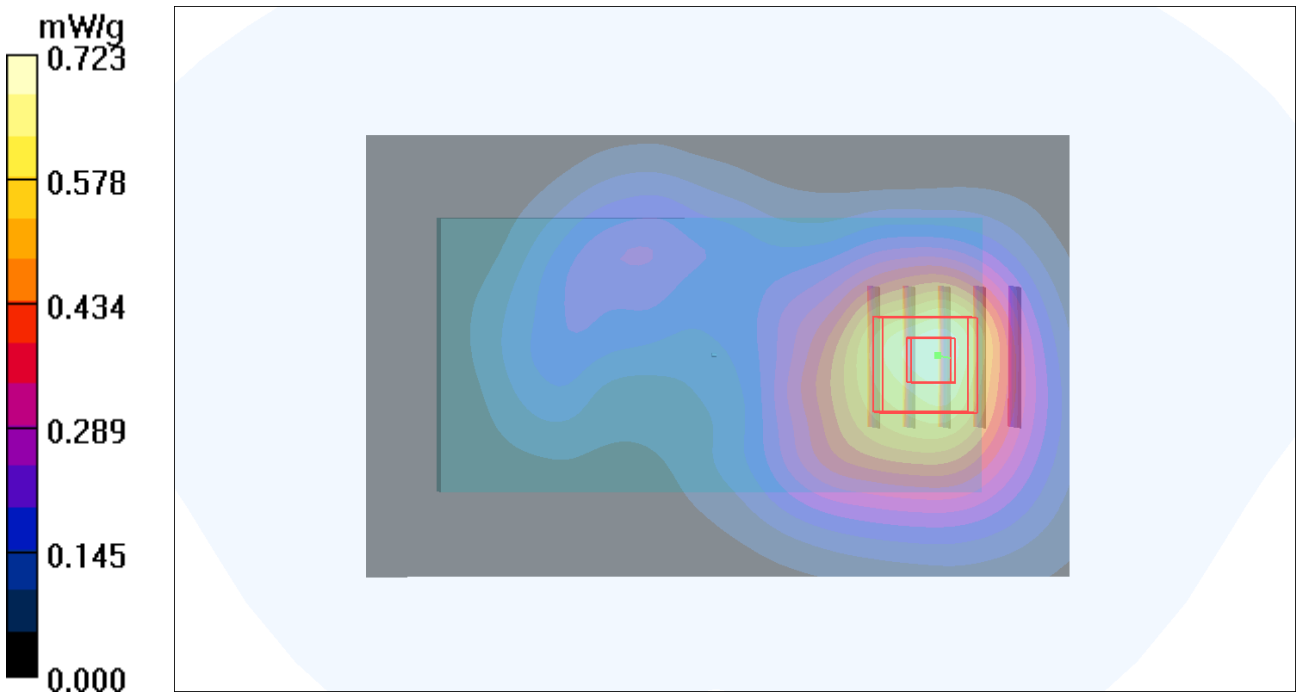
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used : f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.723 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.32 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.738 mW/g



P415 LTE 25_QPSK_10M_Rear Face_1cm_Ch26365_1RB_Offset 49

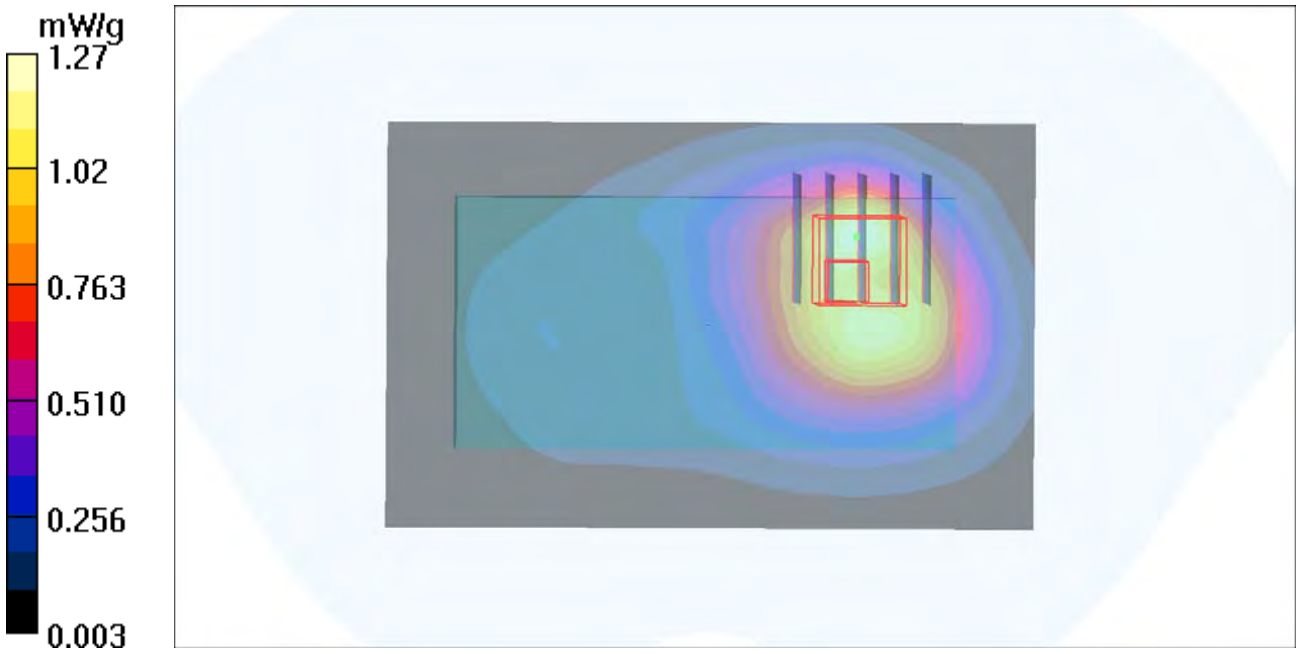
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.27 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.051 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.510 mW/g
Maximum value of SAR (measured) = 1.08 mW/g



P416 LTE 25_QPSK_10M_Right Side_1cm_Ch26365_1RB_Offset 49

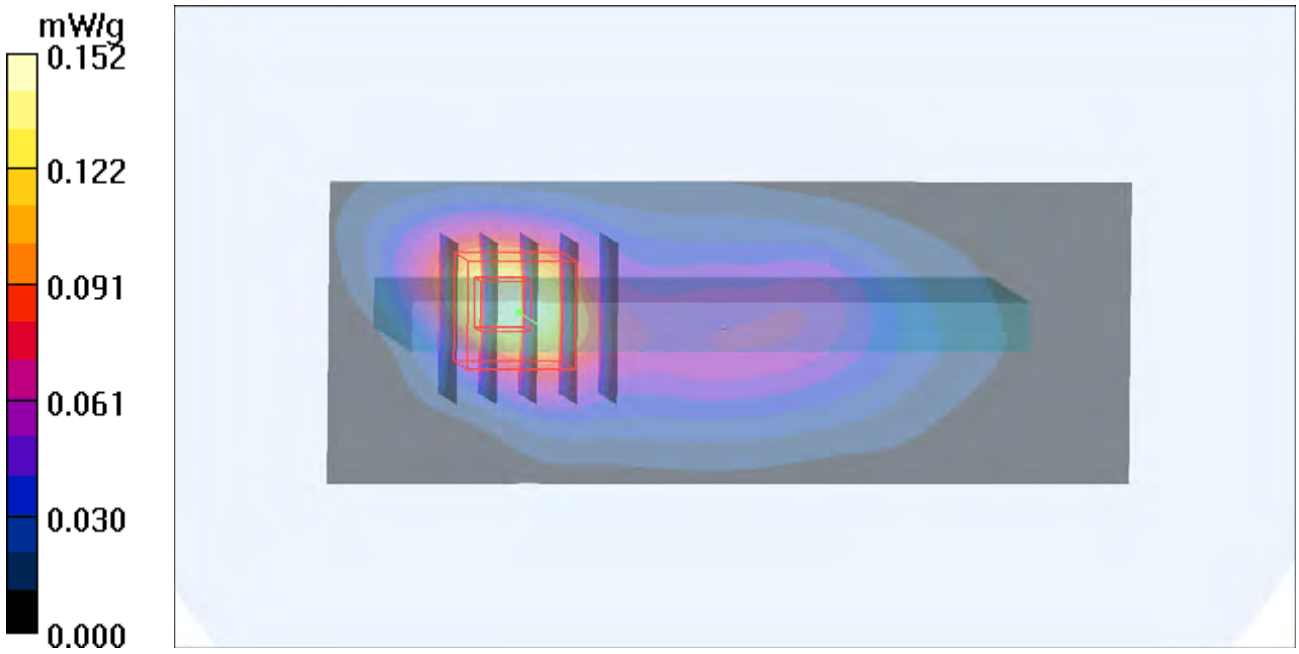
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.152 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.10 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.062 mW/g
Maximum value of SAR (measured) = 0.176 mW/g



P417 LTE 25_QPSK_10M_Top Side_1cm_Ch26365_1RB_Offset 49

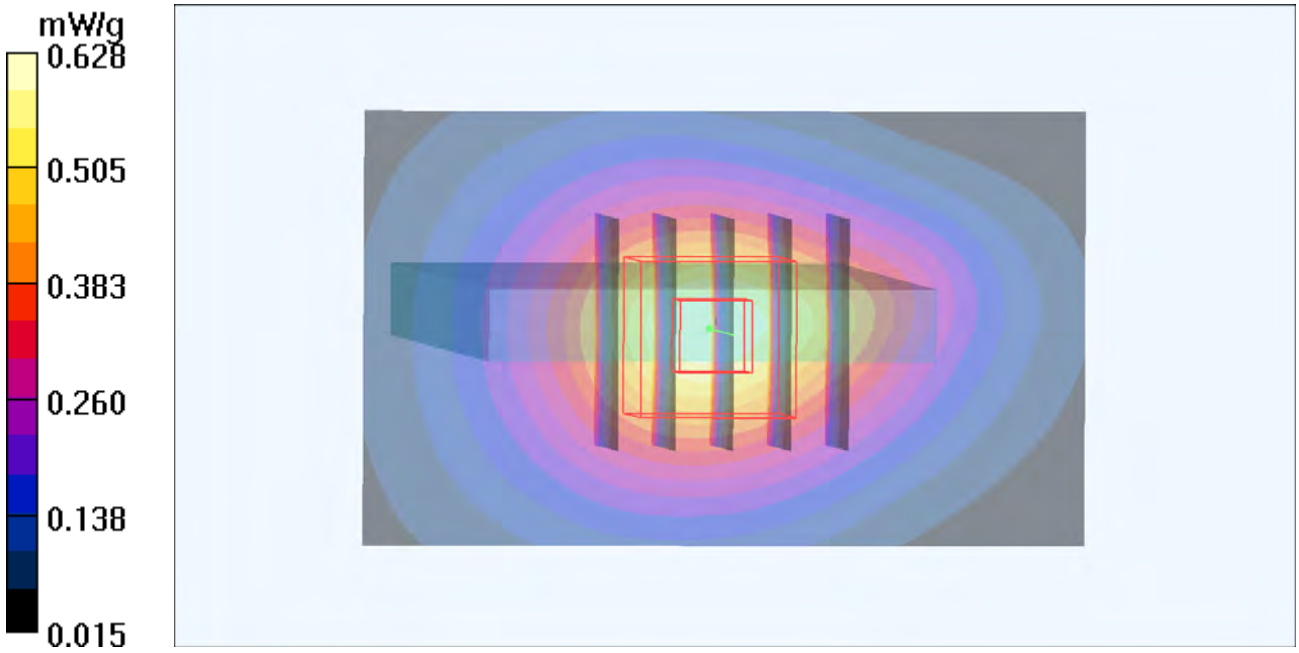
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1882.5 MHz; σ = 1.53 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.628 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.6 V/m; Power Drift = 0.181 dB
Peak SAR (extrapolated) = 0.806 W/kg
SAR(1 g) = 0.499 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.667 mW/g



P1126 LTE 25_16QAM_10M_Front Face_1cm_Ch26365_25RB_Offset 12

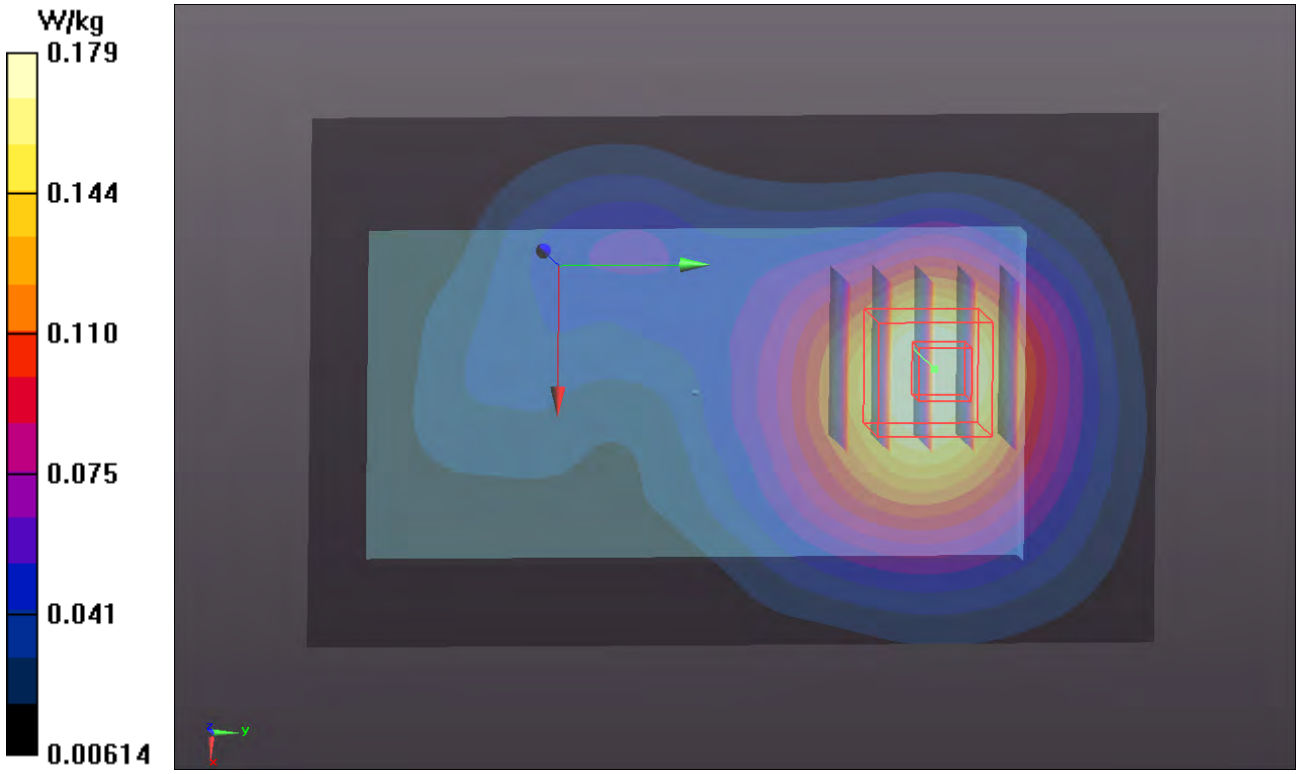
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.195 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.990 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.215 mW/g
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.179 W/kg



P418 LTE 25_16QAM_10M_Rear Face_1cm_Ch26090_25RB_Offset 12

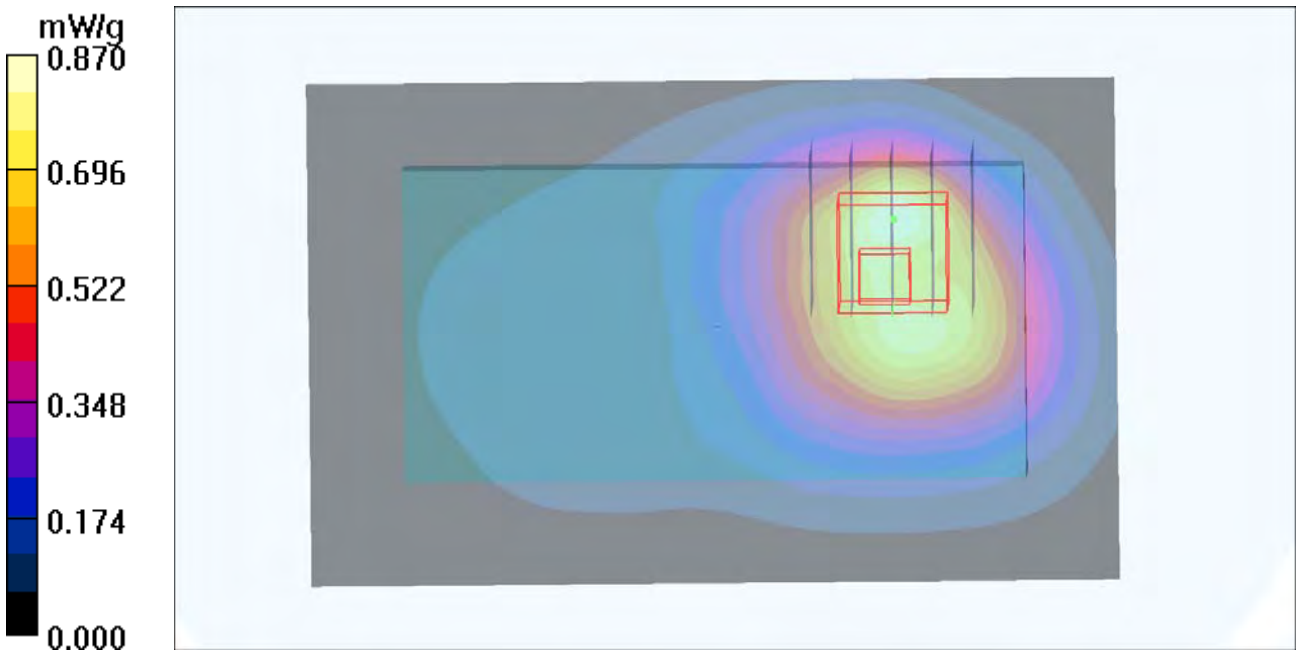
DUT: 120822C31

Communication System: LTE; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1855 MHz; σ = 1.5 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26090/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.870 mW/g

Ch26090/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.937 W/kg
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.364 mW/g
Maximum value of SAR (measured) = 0.759 mW/g



P1127 LTE 25_16QAM_10M_Right Side_1cm_Ch26365_25RB_Offset 12

DUT: 120822C31

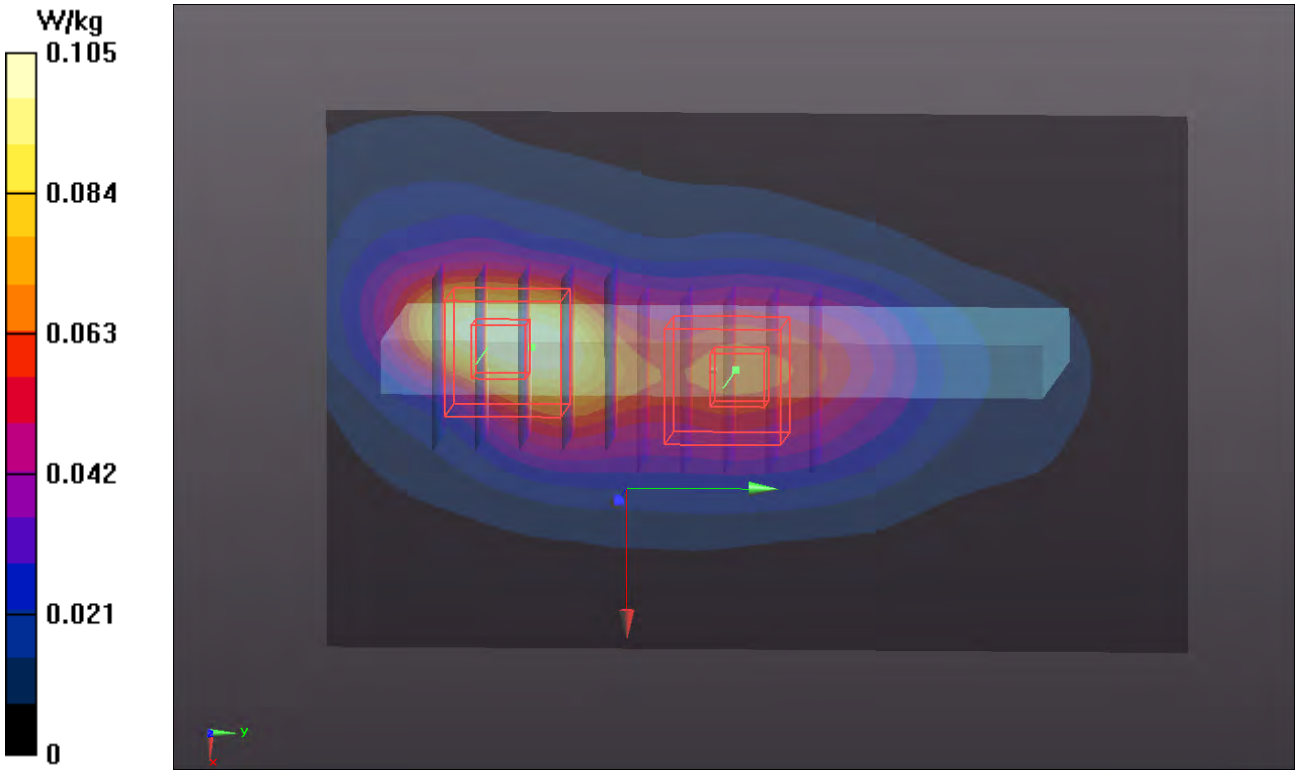
Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.105 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.898 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.182 mW/g
SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.053 mW/g
Maximum value of SAR (measured) = 0.139 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.898 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.085 mW/g
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.0718 W/kg



P1128 LTE 25_16QAM_10M_Top Side_1cm_Ch26365_25RB_Offset 12

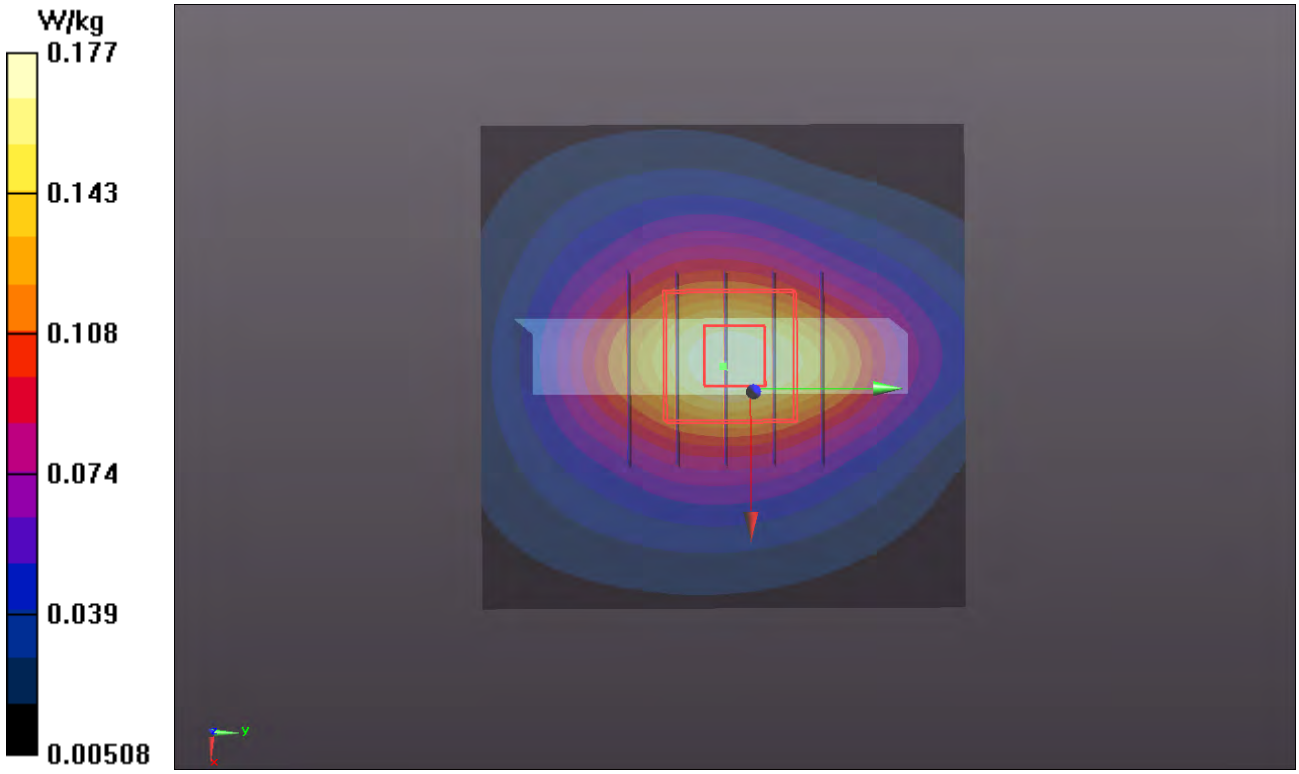
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used : f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.177 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.333 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.225 mW/g
SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.181 W/kg



P1129 LTE 25_16QAM_10M_Front Face_1cm_Ch26365_1RB_Offset 0

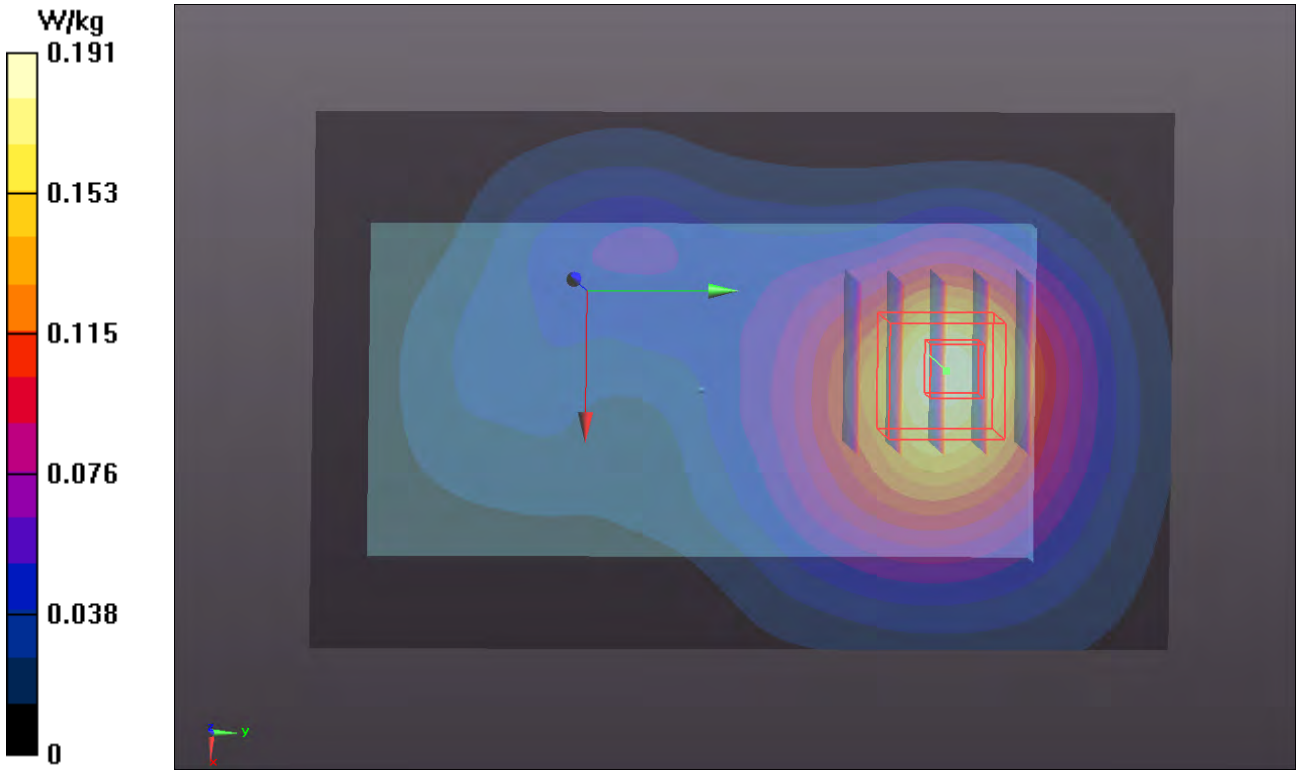
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.191 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.828 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.215 mW/g
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.087 mW/g
Maximum value of SAR (measured) = 0.178 W/kg



P419 LTE 25_16QAM_10M_Rear Face_1cm_Ch26090_1RB_Offset 0

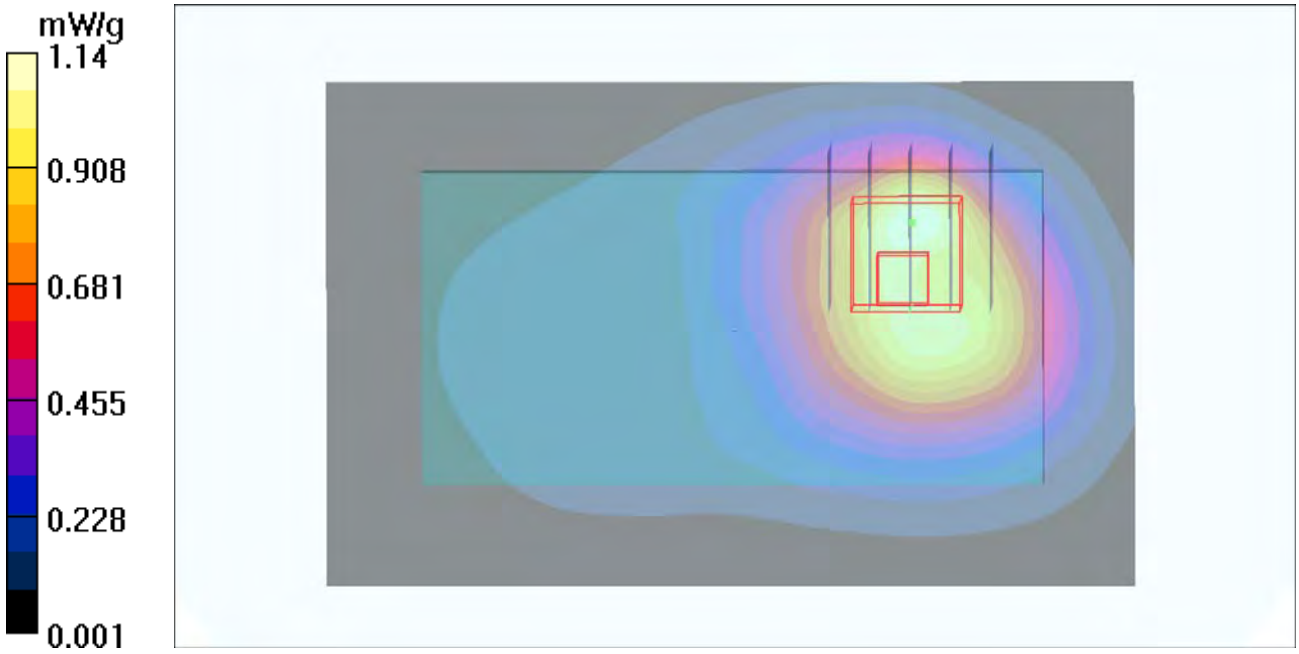
DUT: 120822C31

Communication System: LTE; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1855 MHz; σ = 1.5 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26090/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.14 mW/g

Ch26090/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.471 mW/g
Maximum value of SAR (measured) = 0.984 mW/g



P1130 LTE 25_16QAM_10M_Right Side_1cm_Ch26365_1RB_Offset 0

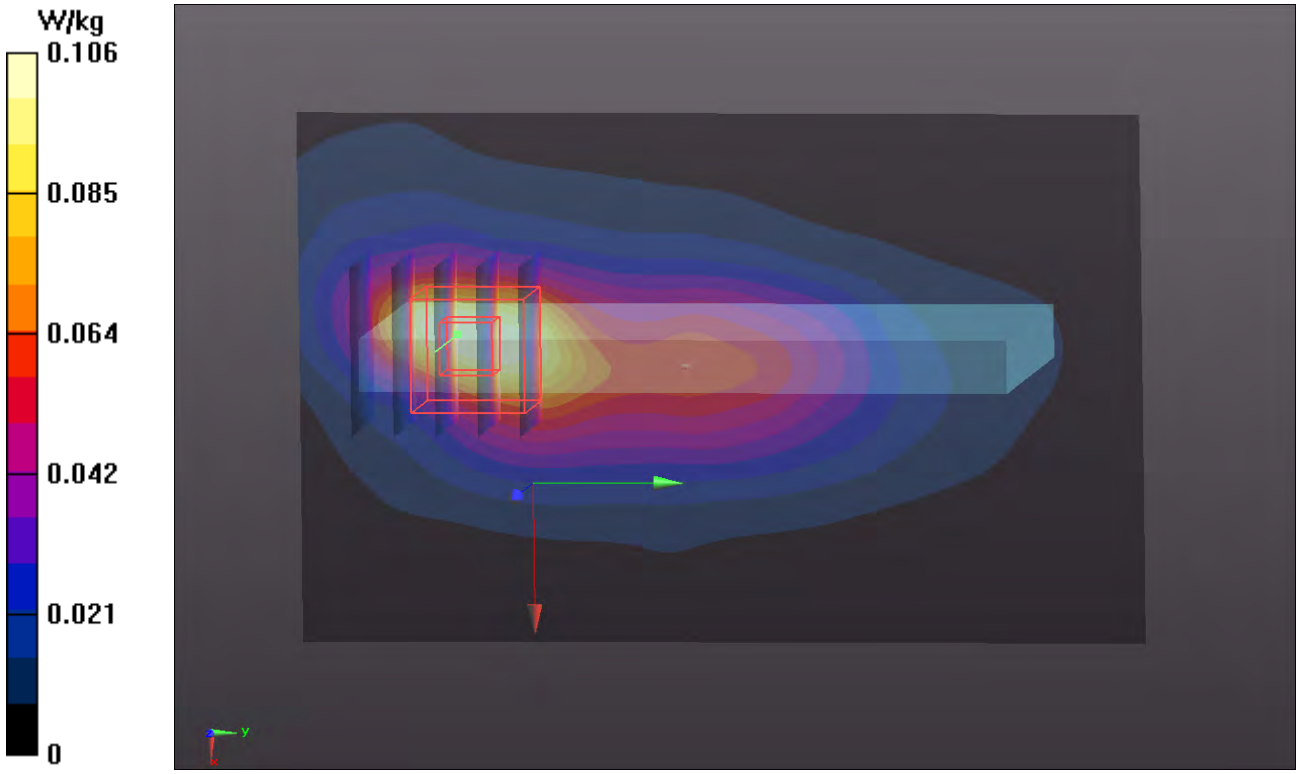
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.106 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.909 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.171 mW/g
SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.136 W/kg



P1131 LTE 25_16QAM_10M_Top Side_1cm_Ch26365_1RB_Offset 0

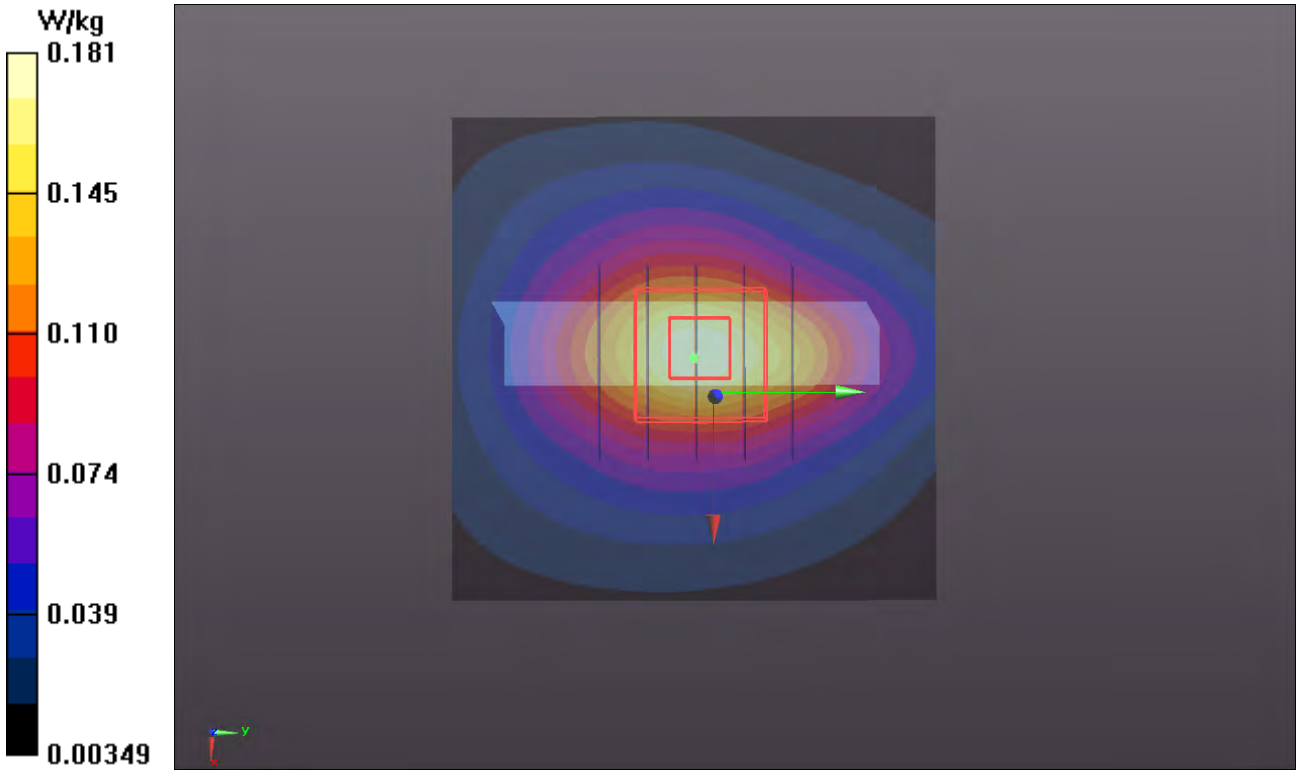
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used : f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.873 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.220 mW/g
SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.081 mW/g
Maximum value of SAR (measured) = 0.182 W/kg



P1132 LTE 25_16QAM_10M_Front Face_1cm_Ch2635_1RB_Offset 49

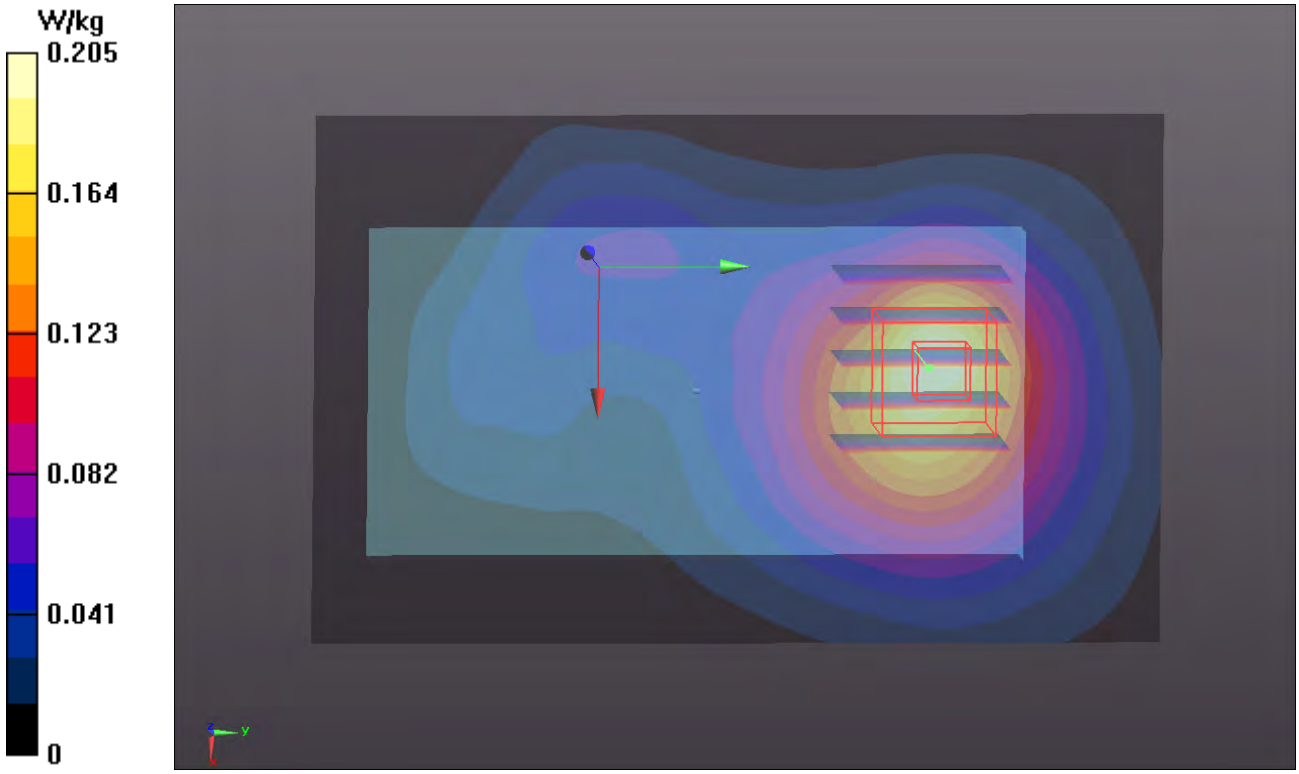
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.086 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.229 mW/g
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.188 W/kg



P420 LTE 25_16QAM_10M_Rear Face_1cm_Ch26090_1RB_Offset 49

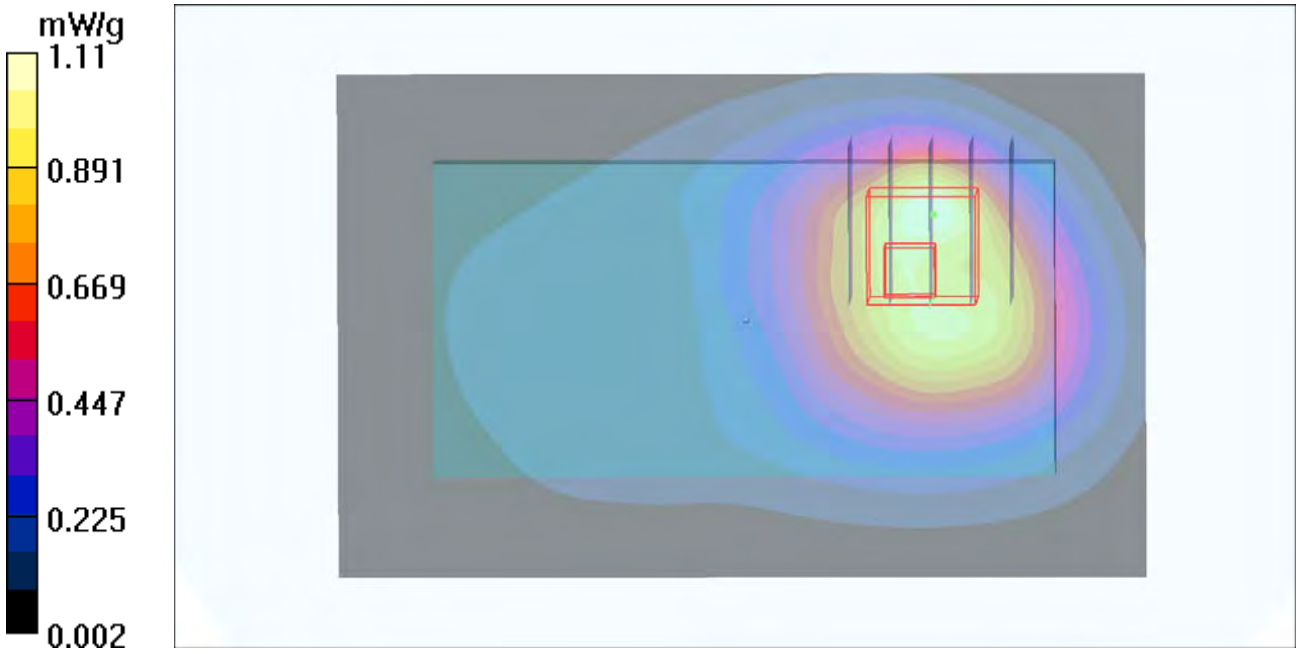
DUT: 120822C31

Communication System: LTE; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: B1900_0920 Medium parameters used: f = 1855 MHz; σ = 1.5 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26090/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Ch26090/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = -0.108 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 0.940 mW/g



P1133 LTE 25_16QAM_10M_Right Side_1cm_Ch26365_1RB_Offset 49

DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.314 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.207 mW/g
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.160 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.314 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.096 mW/g
SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.036 mW/g
Maximum value of SAR (measured) = 0.0795 W/kg

P1134 LTE 25_16QAM_10M_Top Side_1cm_Ch26365_1RB_Offset 49

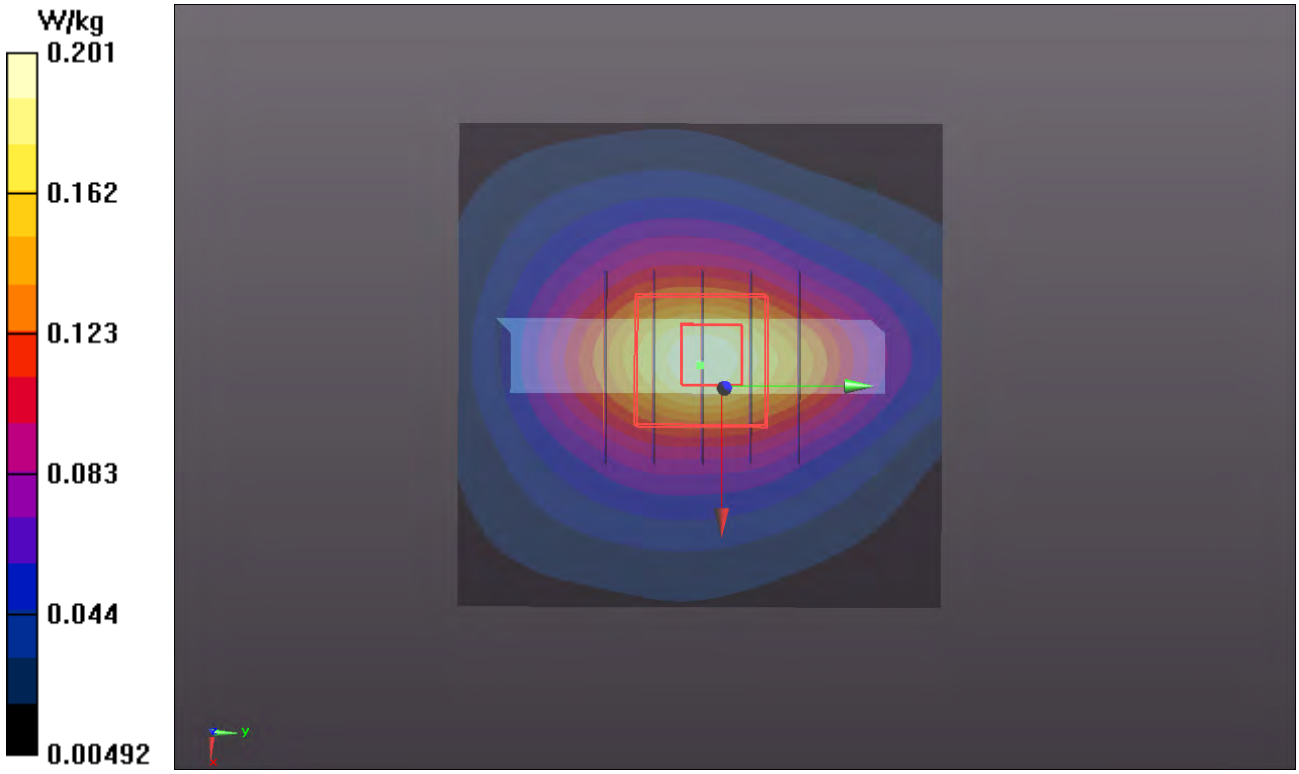
DUT: 120822C31

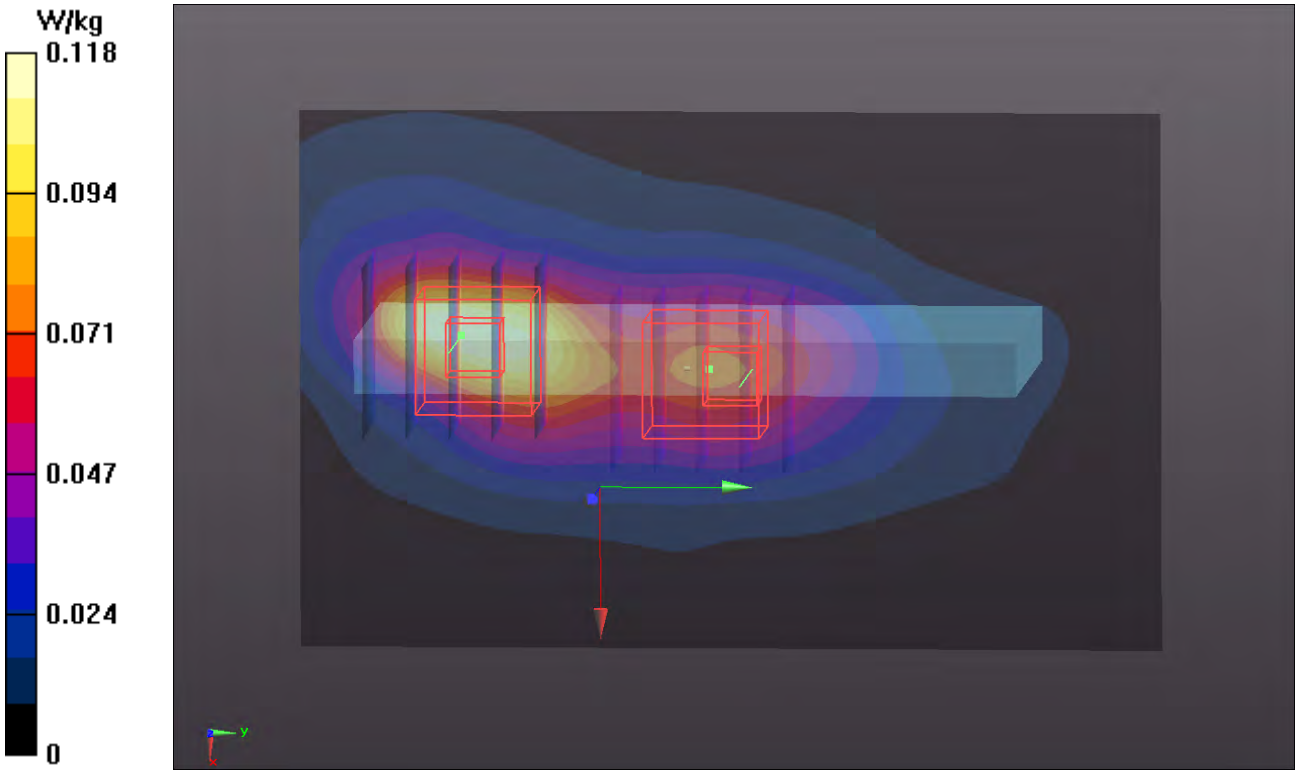
Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used : f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.201 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.339 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.245 mW/g
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.198 W/kg




W/kg
0.118
0.094
0.071
0.047
0.024
0

P338 LTE 25_QPSK_10M_Front Face_2.5cm_Ch26365_Earphone Off_25RB_Offset 12

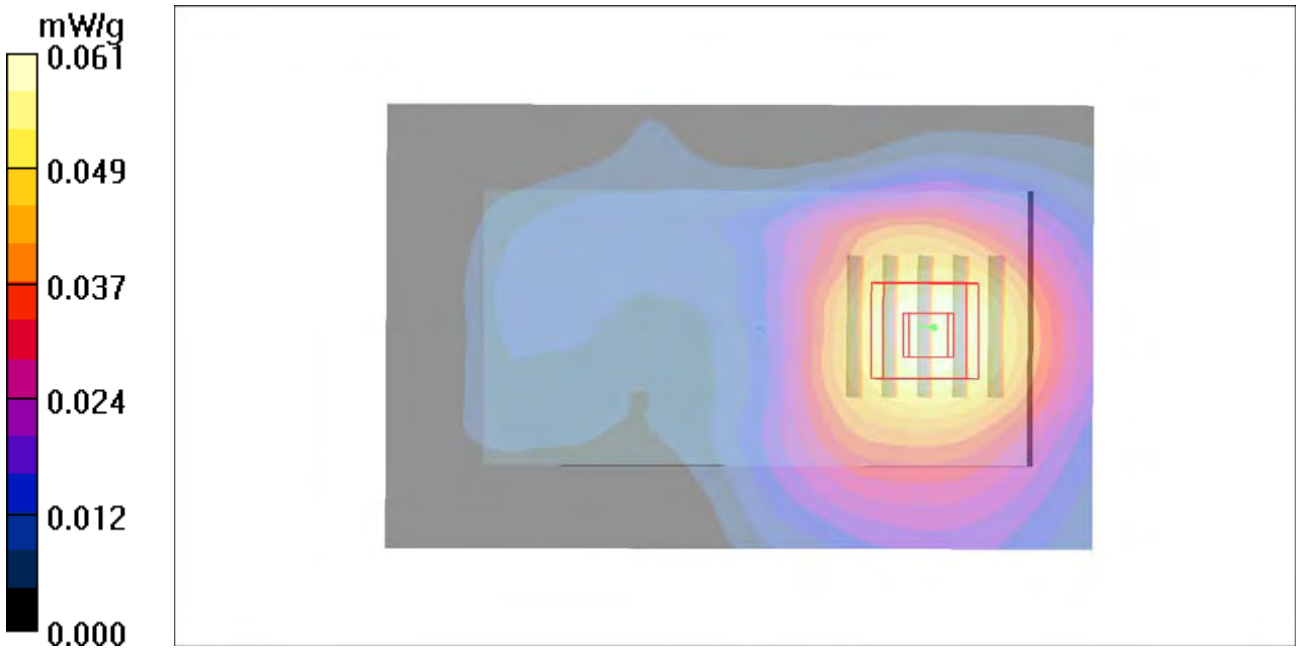
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.061 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.97 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.030 mW/g
Maximum value of SAR (measured) = 0.059 mW/g



P339 LTE 25_QPSK_10M_Rear Face_2.5cm_Ch26365_Earphone Off_25RB_Offset 12

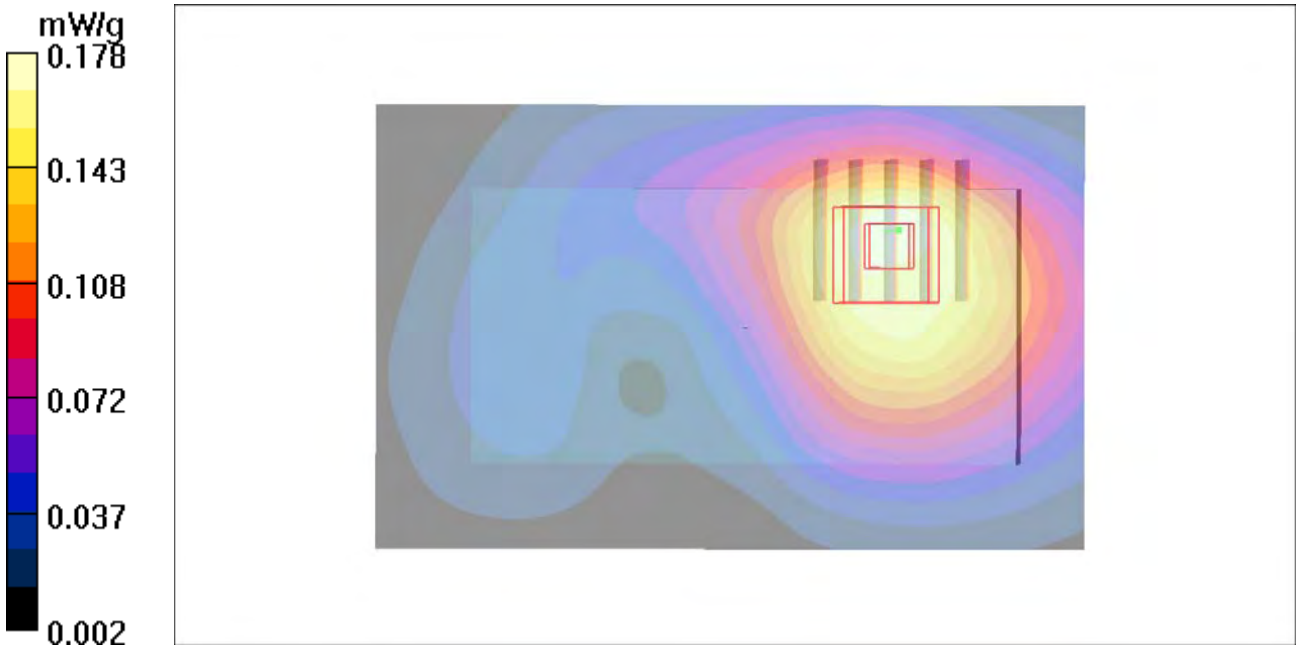
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.178 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.91 V/m; Power Drift = 0.128 dB
Peak SAR (extrapolated) = 0.207 W/kg
SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.084 mW/g
Maximum value of SAR (measured) = 0.170 mW/g



P340 LTE 25_QPSK_10M_Front Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 0

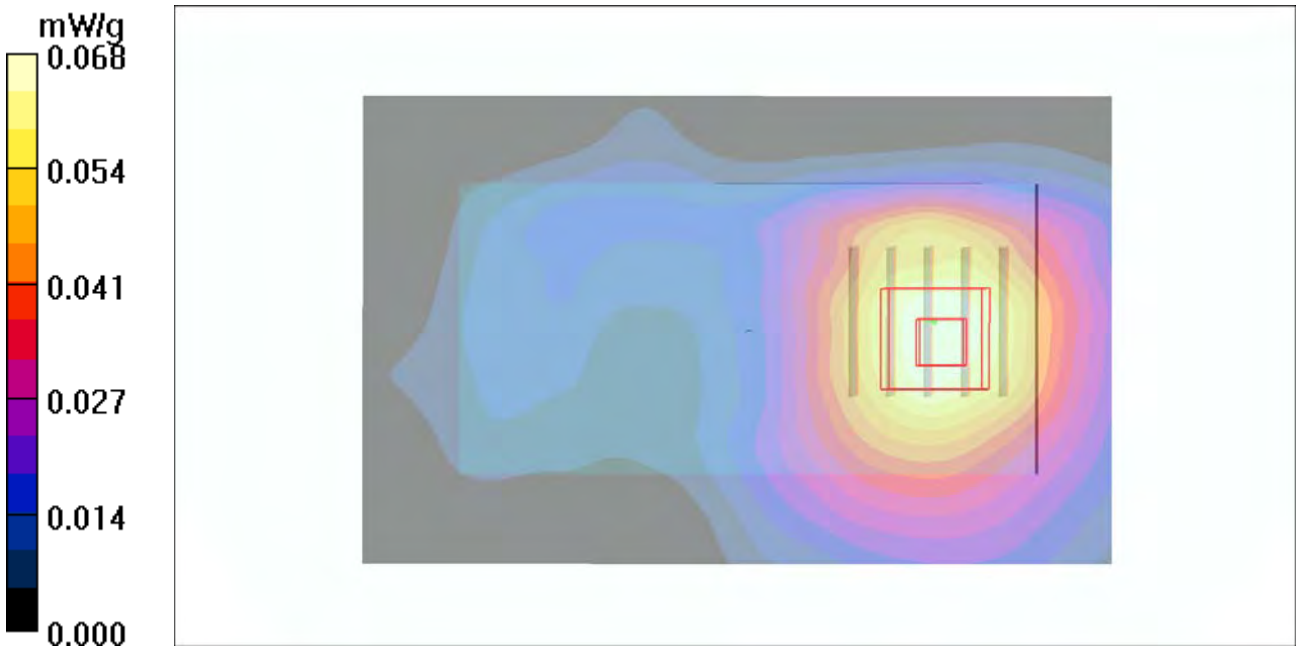
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.068 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.87 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.084 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.033 mW/g
Maximum value of SAR (measured) = 0.068 mW/g



P341 LTE 25_QPSK_10M_Rear Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 0

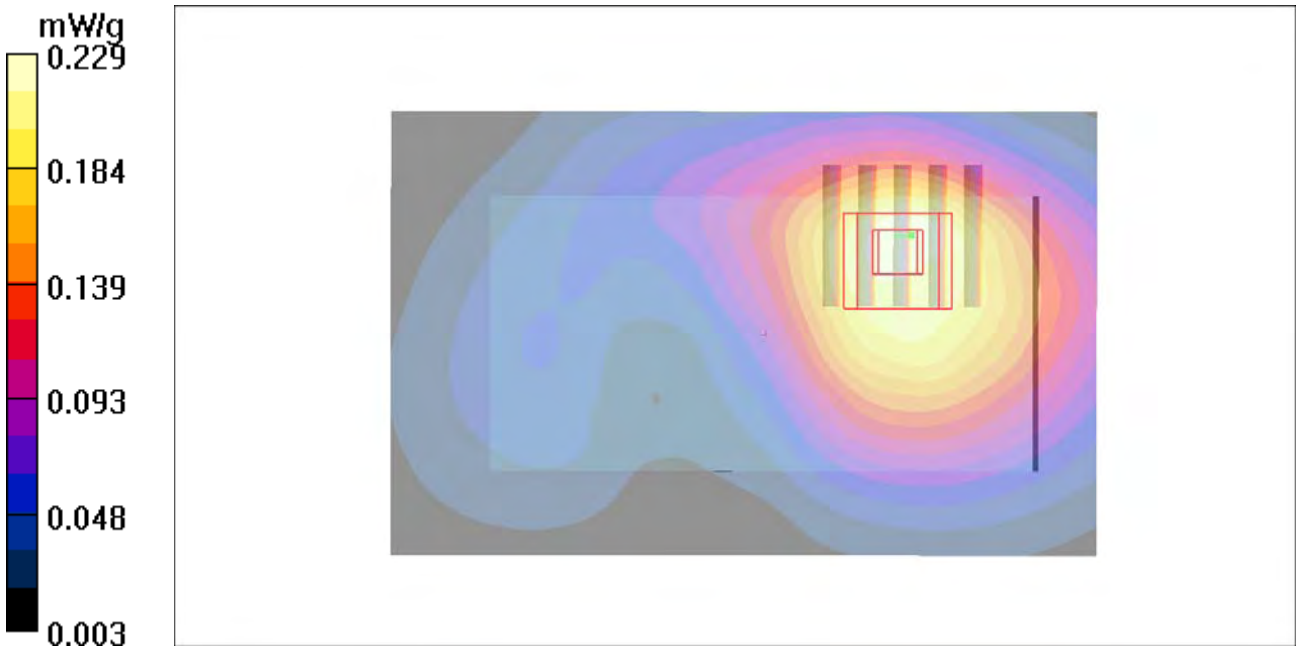
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.229 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.70 V/m; Power Drift = 0.044 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.108 mW/g
Maximum value of SAR (measured) = 0.216 mW/g



P342 LTE 25_QPSK_10M_Front Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 49

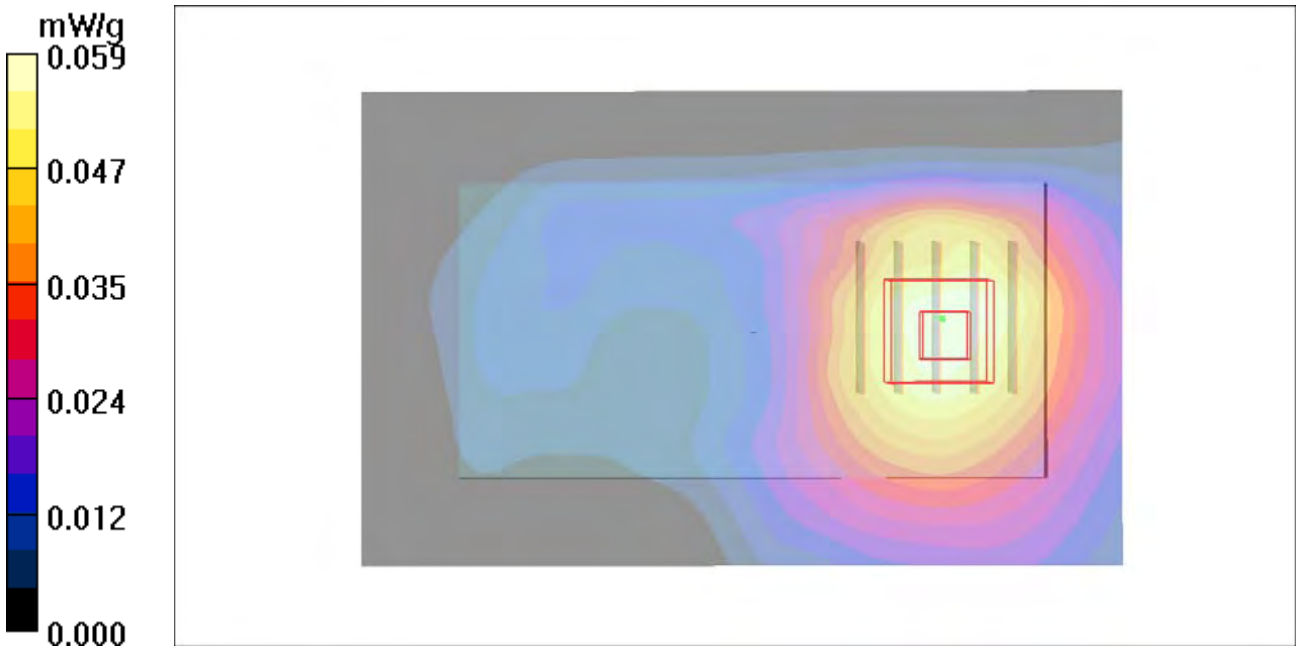
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.059 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.03 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.058 mW/g



P343 LTE 25_QPSK_10M_Rear Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 49

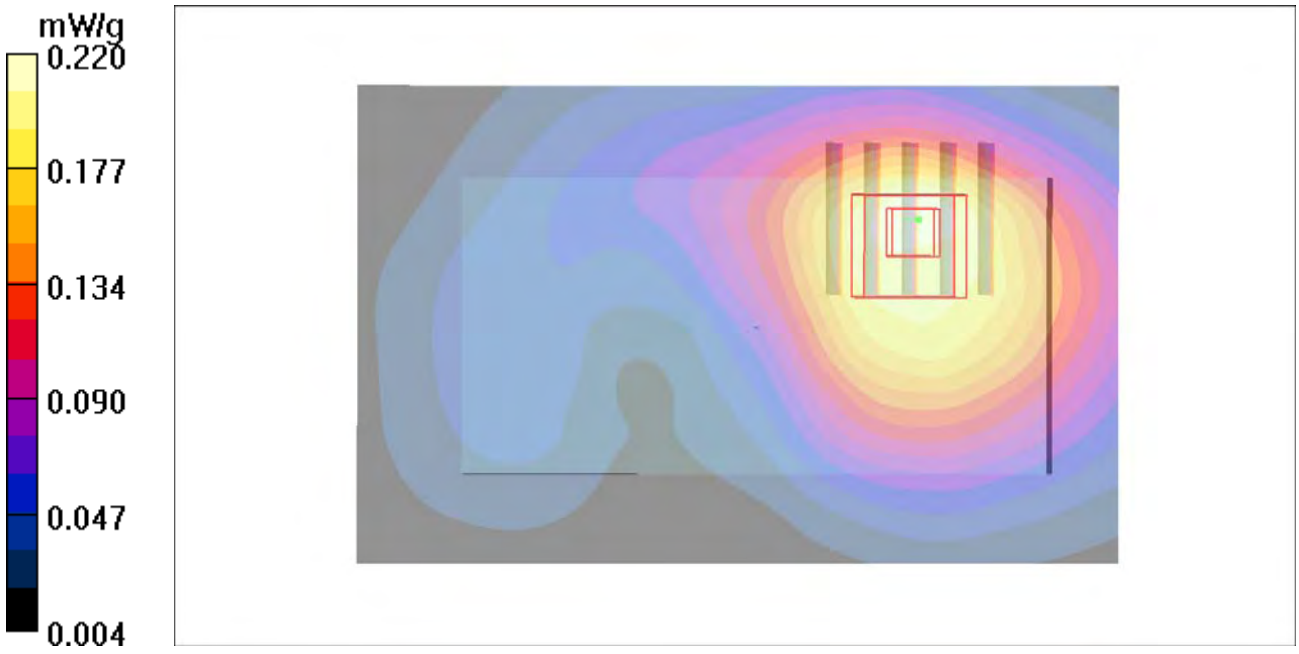
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used: f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.220 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.60 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.211 mW/g



P1135 LTE 25_16QAM_10M_Front Face _2.5cm_Ch26365_25RB_Offset 12_Earphone

DUT: 120822C31

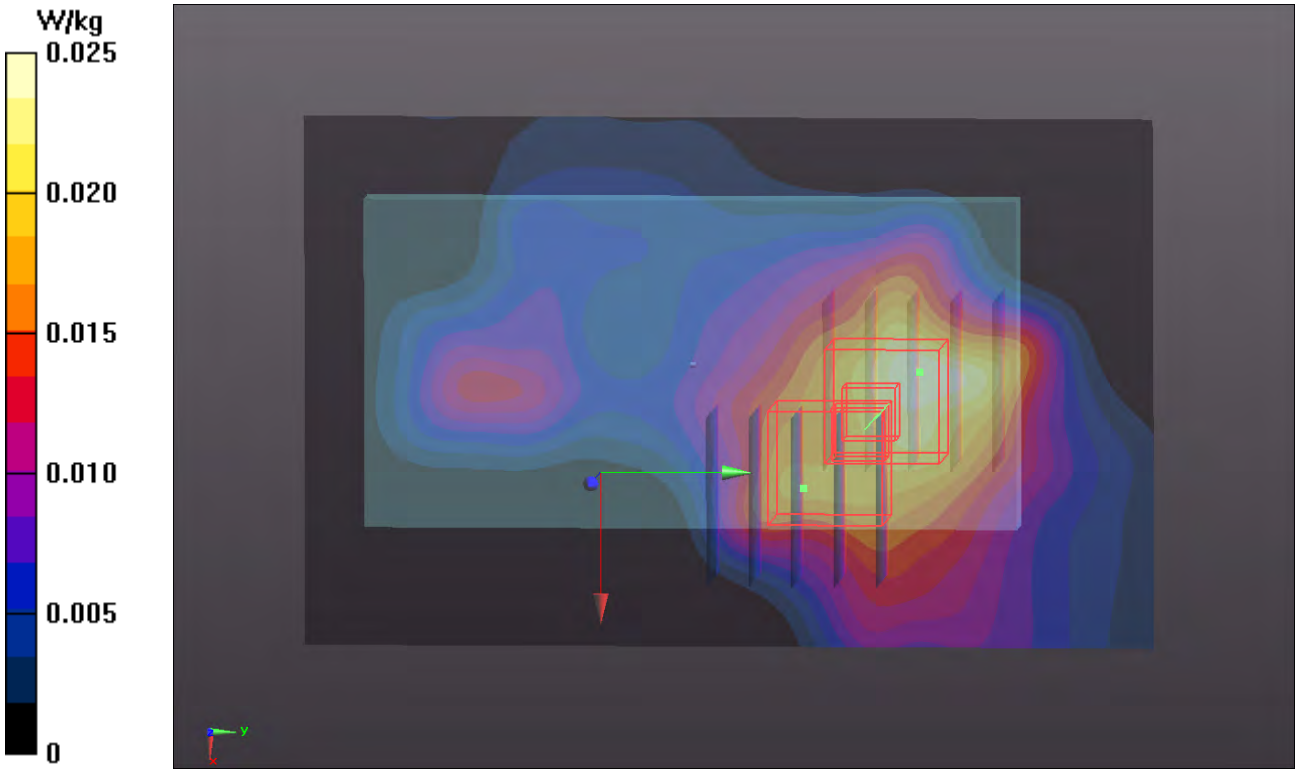
Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm
Maximum value of SAR (interpolated) = 0.0250 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.792 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 0.026 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.0223 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.792 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 0.027 mW/g
SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00901 mW/g
Maximum value of SAR (measured) = 0.0224 W/kg



P344 LTE 25_16QAM_10M_Rear Face_2.5cm_Ch26365_Earphone Off_25RB_Offset 12

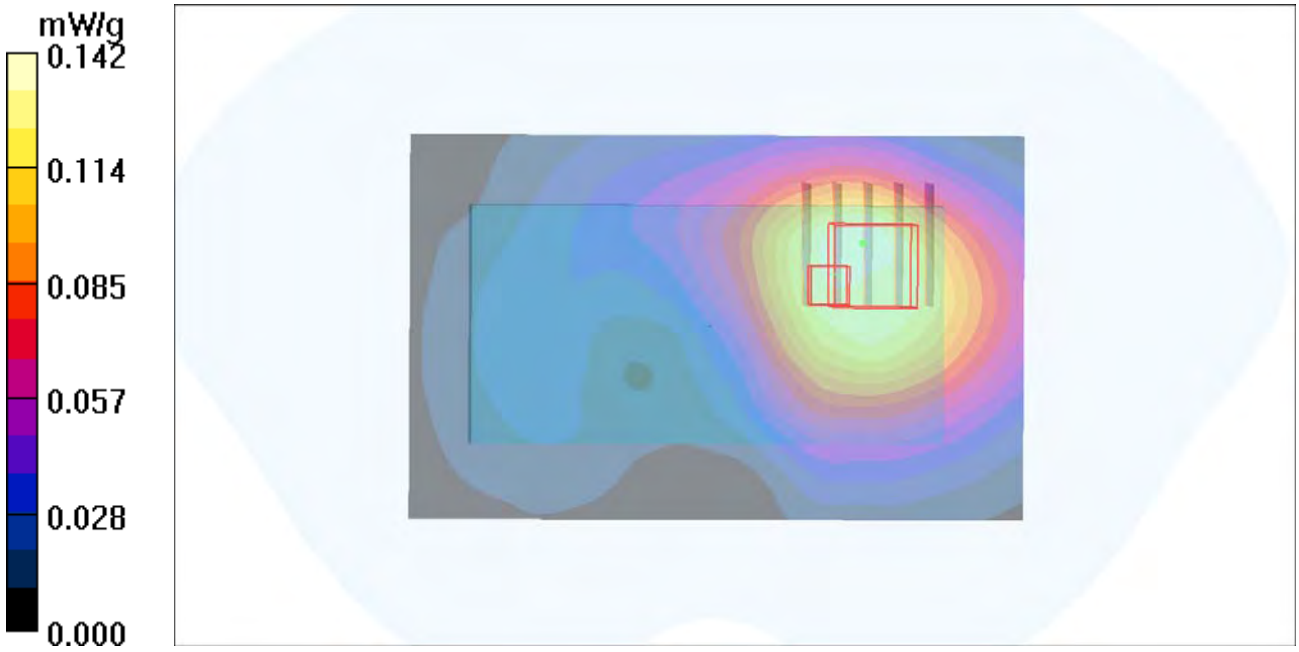
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used : f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.142 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.25 V/m; Power Drift = 0.141 dB
Peak SAR (extrapolated) = 0.506 W/kg
SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



P1136 LTE 25_16QAM_10M_Front Face _2.5cm_Ch26365_1 RB_Offset 0_Earphone

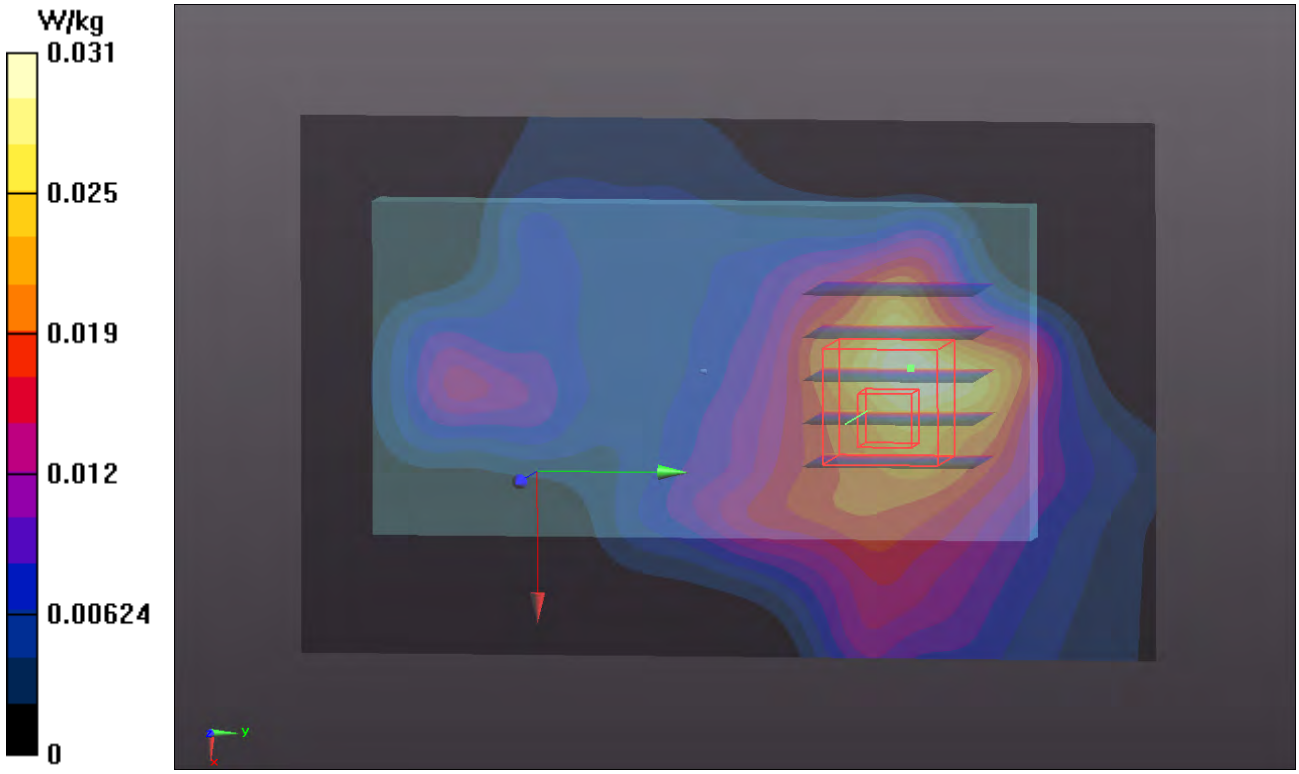
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0312 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.076 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 0.029 mW/g
SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.012 mW/g
Maximum value of SAR (measured) = 0.0242 W/kg



P345 LTE 25_16QAM_10M_Rear Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 0

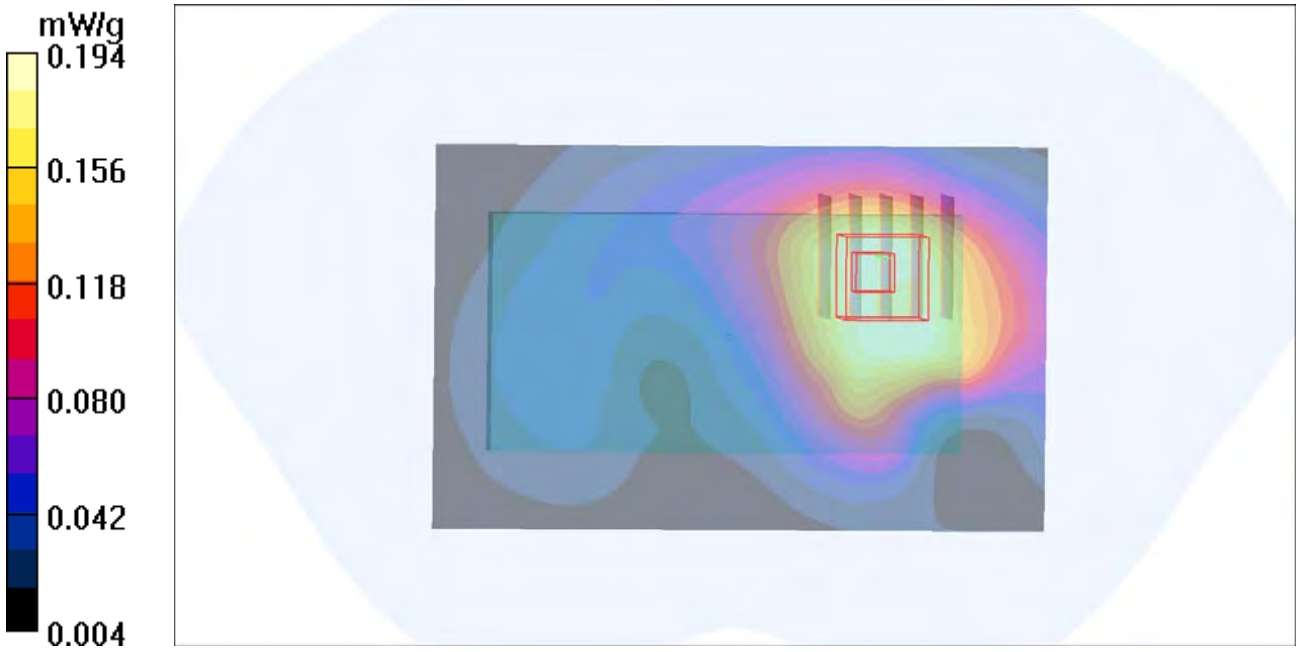
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used : f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.194 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.13 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.183 mW/g



P1137 LTE 25_16QAM_10M_Front Face _2.5cm_Ch26365_1 RB_Offset 49_Earphone

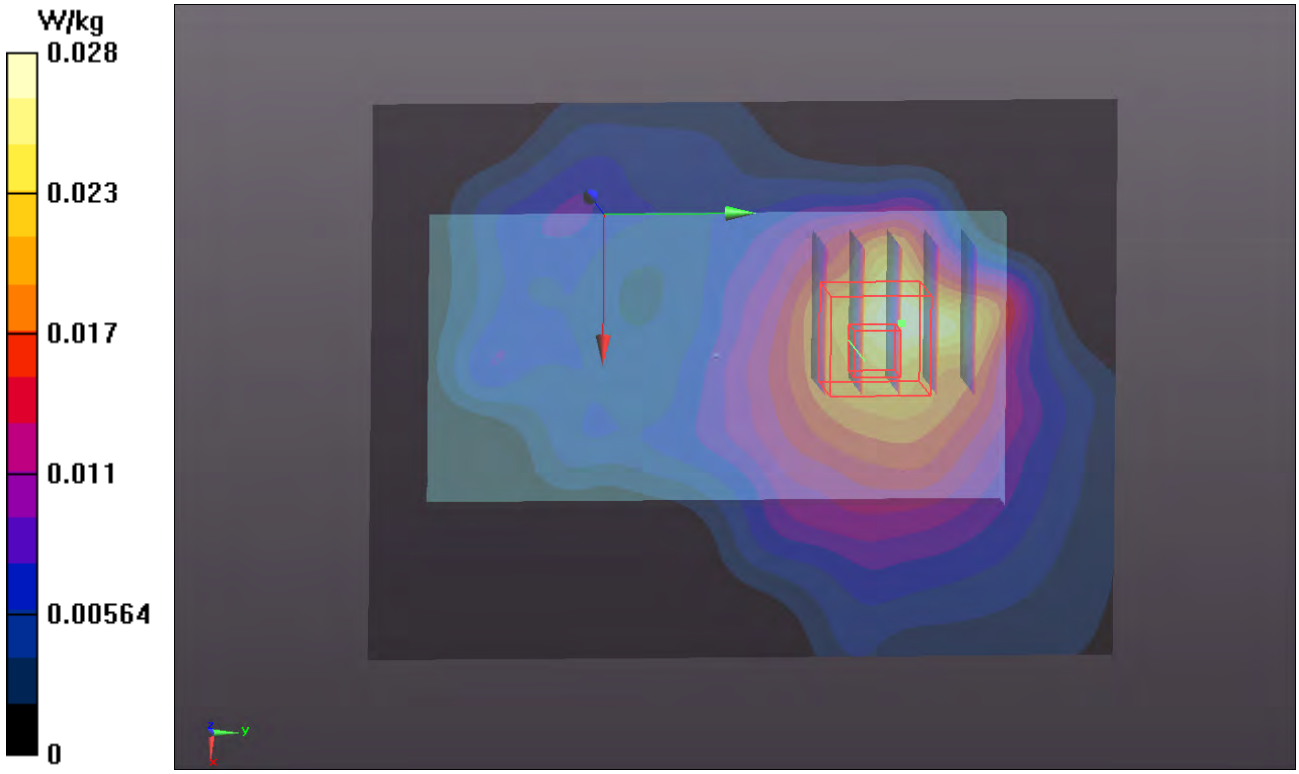
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_1018 Medium parameters used (interpolated): f = 1882.5 MHz; σ = 1.525 mho/m; ε_r = 53.069; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26365/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0282 W/kg

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.954 V/m; Power Drift = 0.37 dB
Peak SAR (extrapolated) = 0.027 mW/g
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.011 mW/g
Maximum value of SAR (measured) = 0.0226 W/kg



P346 LTE 25_16QAM_10M_Rear Face_2.5cm_Ch26365_Earphone Off_1RB_Offset 49

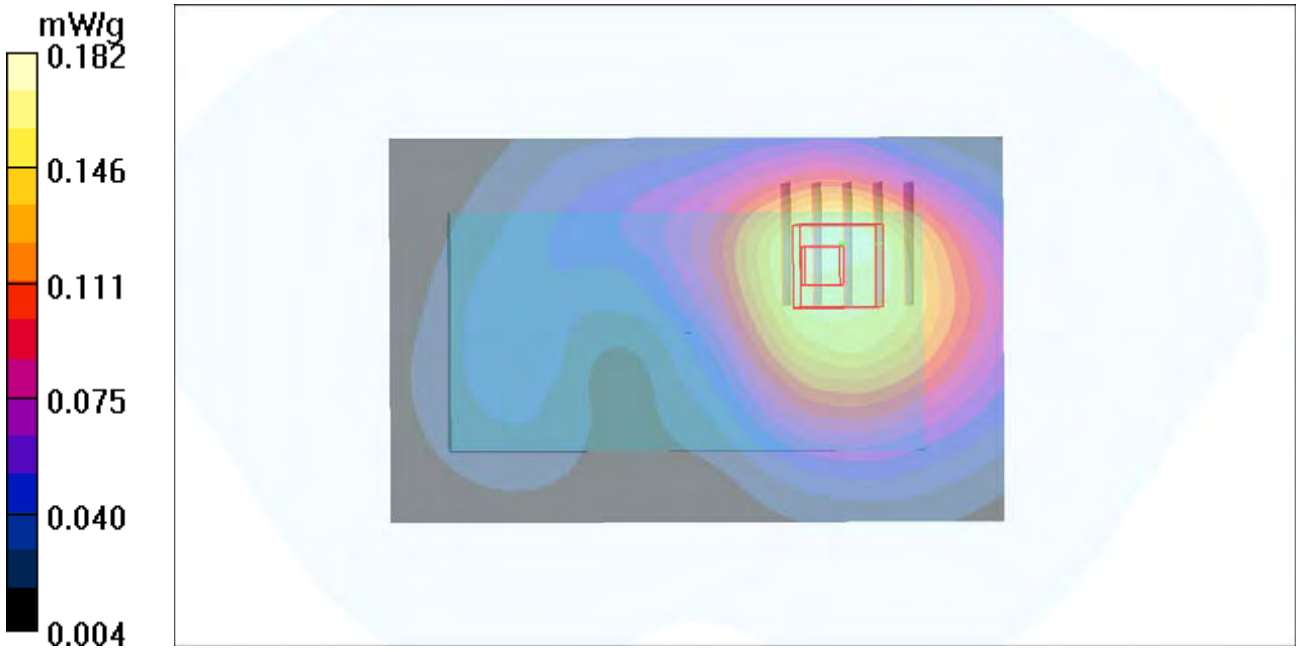
DUT: 120822C31

Communication System: LTE; Frequency: 1882.5 MHz;Duty Cycle: 1:1
Medium: B1900_0905 Medium parameters used : f = 1882.5 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.1 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.182 mW/g

Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.98 V/m; Power Drift = 0.073 dB
Peak SAR (extrapolated) = 0.203 W/kg
SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.085 mW/g
Maximum value of SAR (measured) = 0.169 mW/g



P108 802.11b_Front Face_2.5cm_Ch6_Earphone

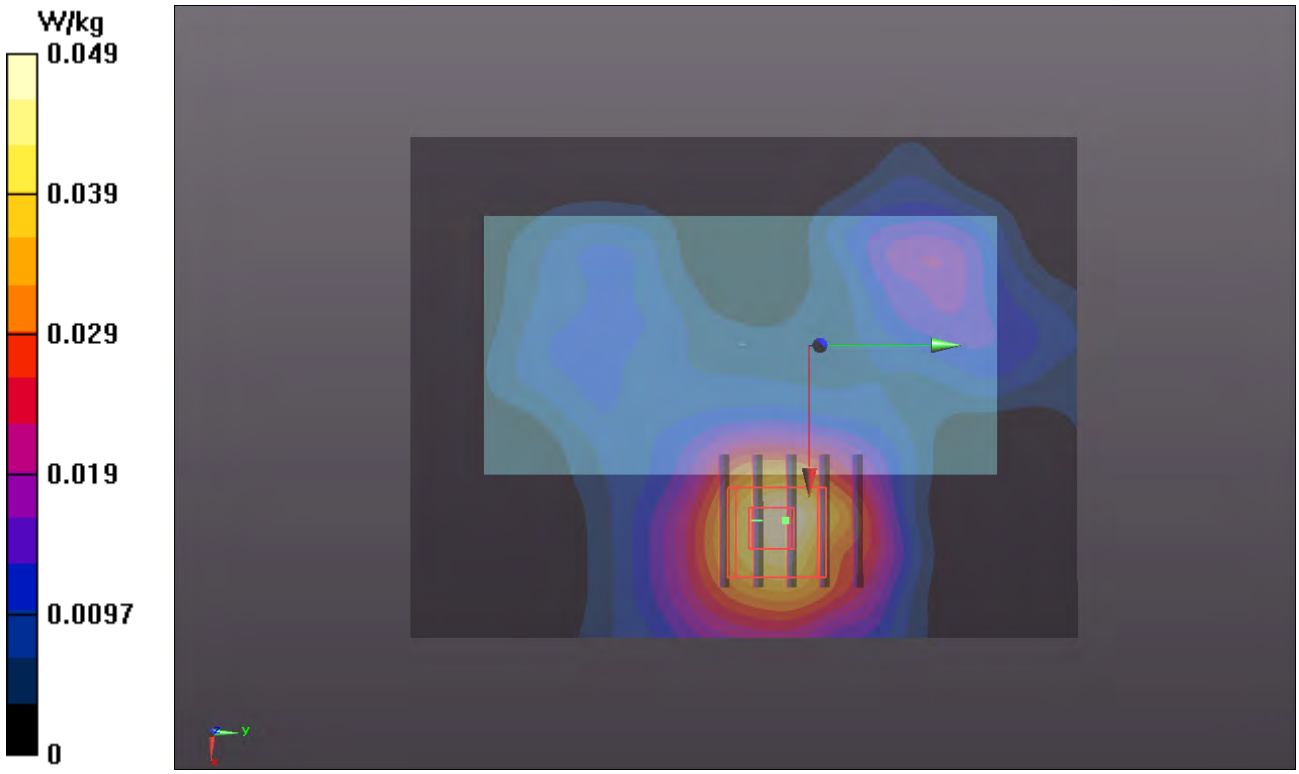
DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0911 Medium parameters used: f = 2437 MHz; σ = 2.003 mho/m; ε_r = 53.145; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.0485 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.198 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.060 mW/g
SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.0449 W/kg



P109 802.11b_Rear Face_2.5cm_Ch6_Earphone

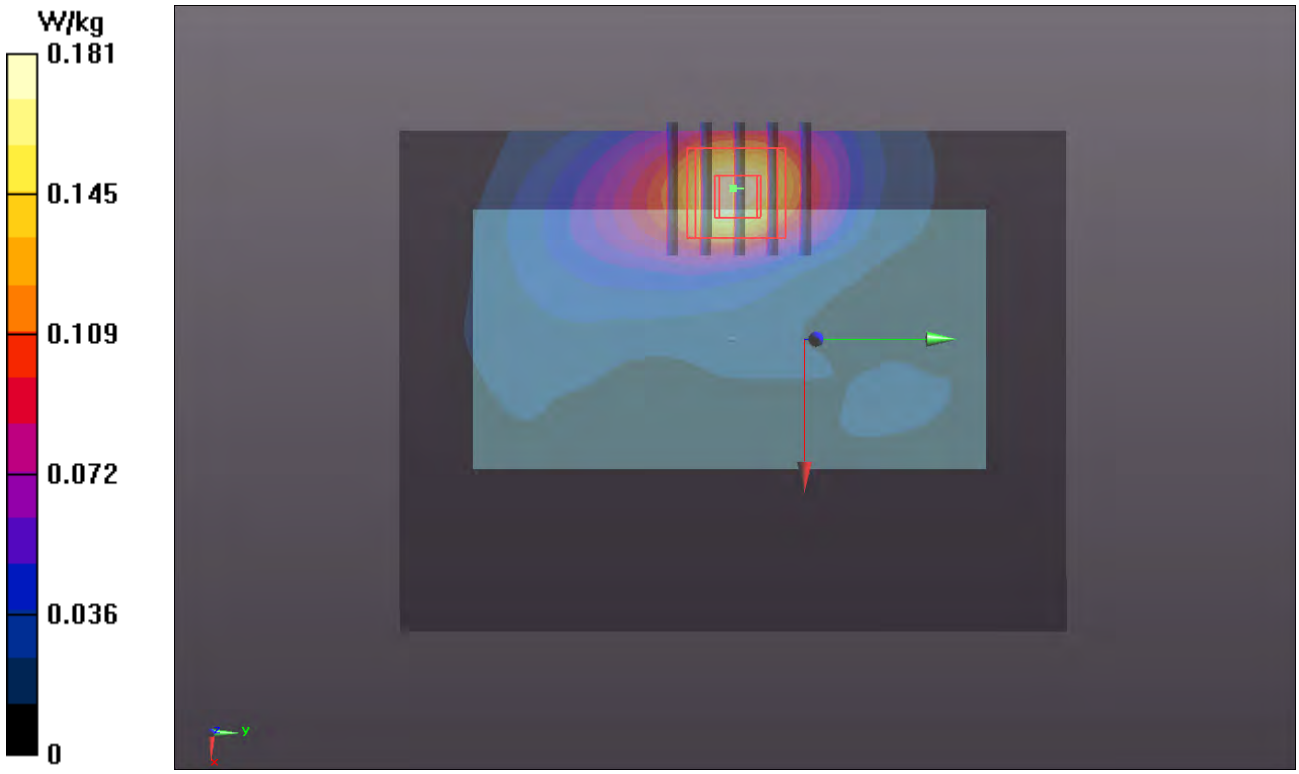
DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0911 Medium parameters used: f = 2437 MHz; σ = 2.003 mho/m; ε_r = 53.145; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3590; ConvF(7.8, 7.8, 7.8); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (61x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.181 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.535 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.237 mW/g
SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.179 W/kg



P115 802.11b_Right Side_1cm_Ch6

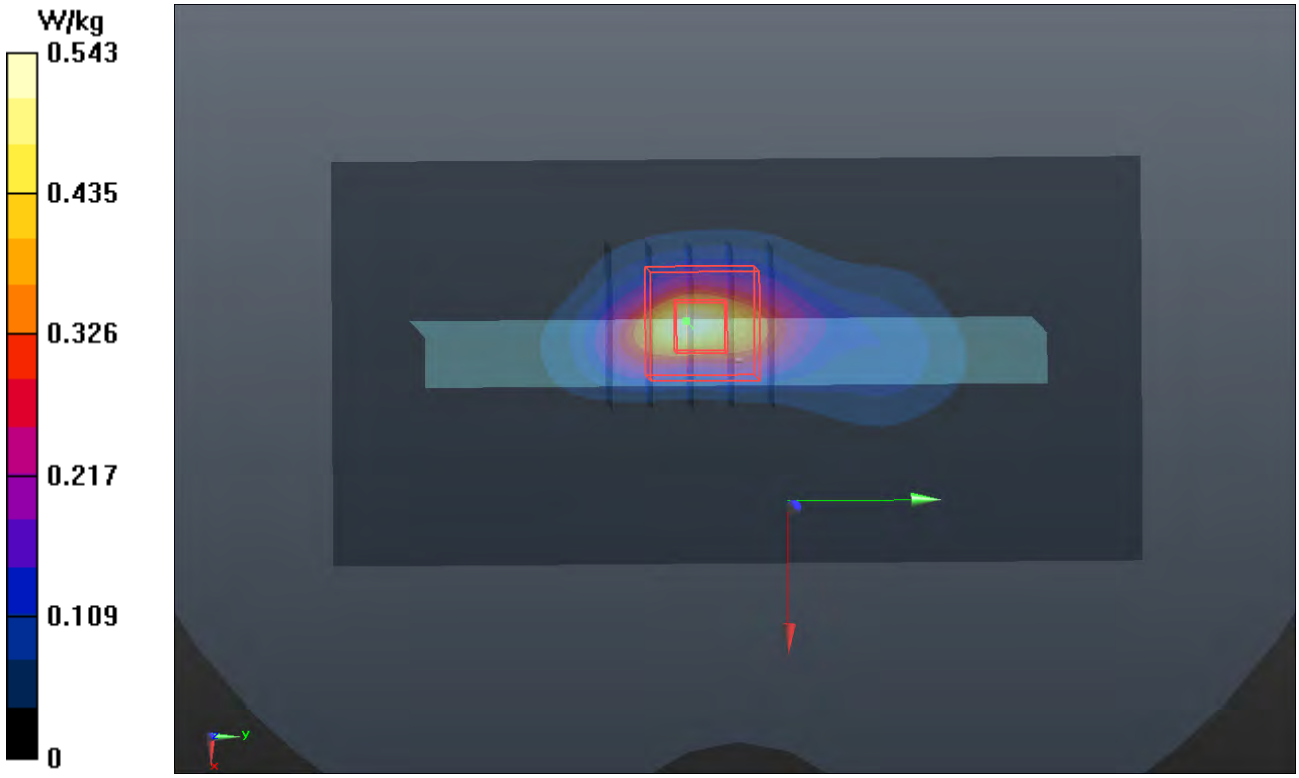
DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.543 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.801 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.889 mW/g
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 0.615 W/kg



P116 802.11b_Front Face_1cm_Ch6

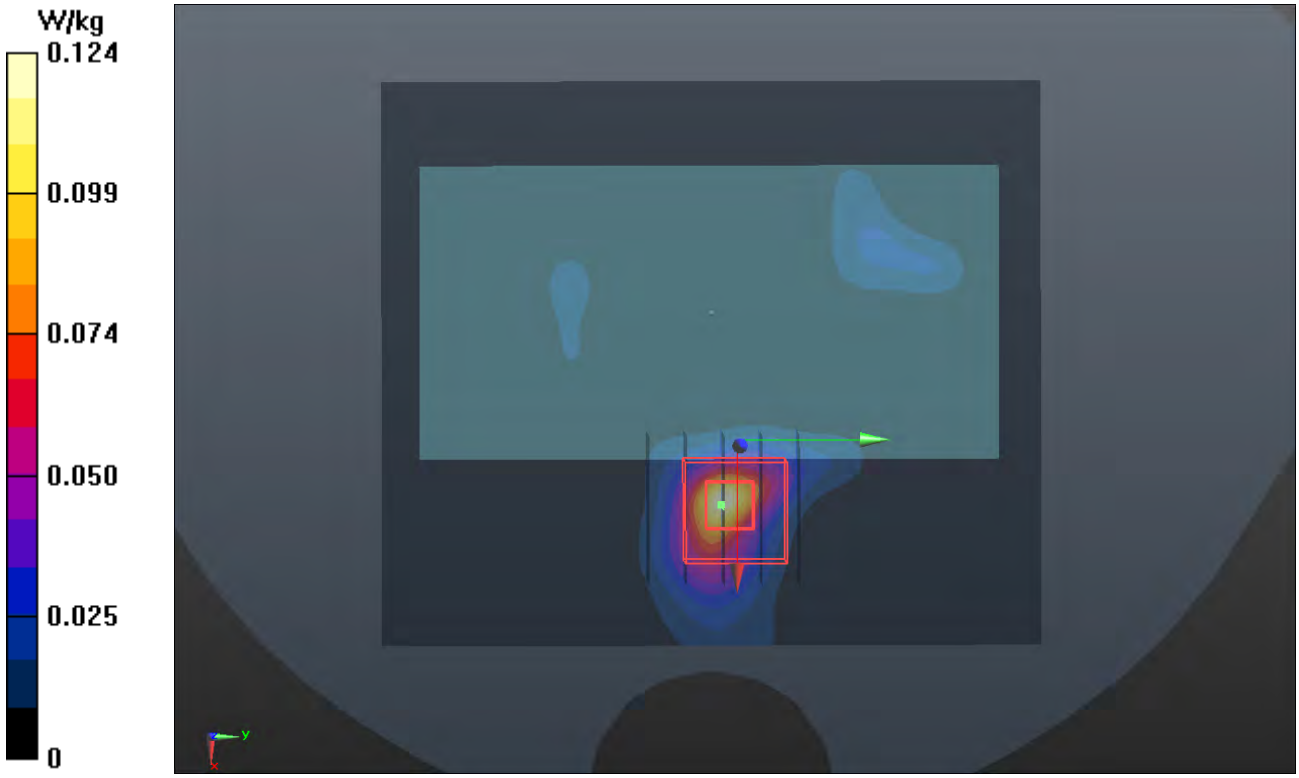
DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (61x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.124 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.233 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.073 mW/g
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.0590 W/kg



P117 802.11b_Rear Face_1cm_Ch6

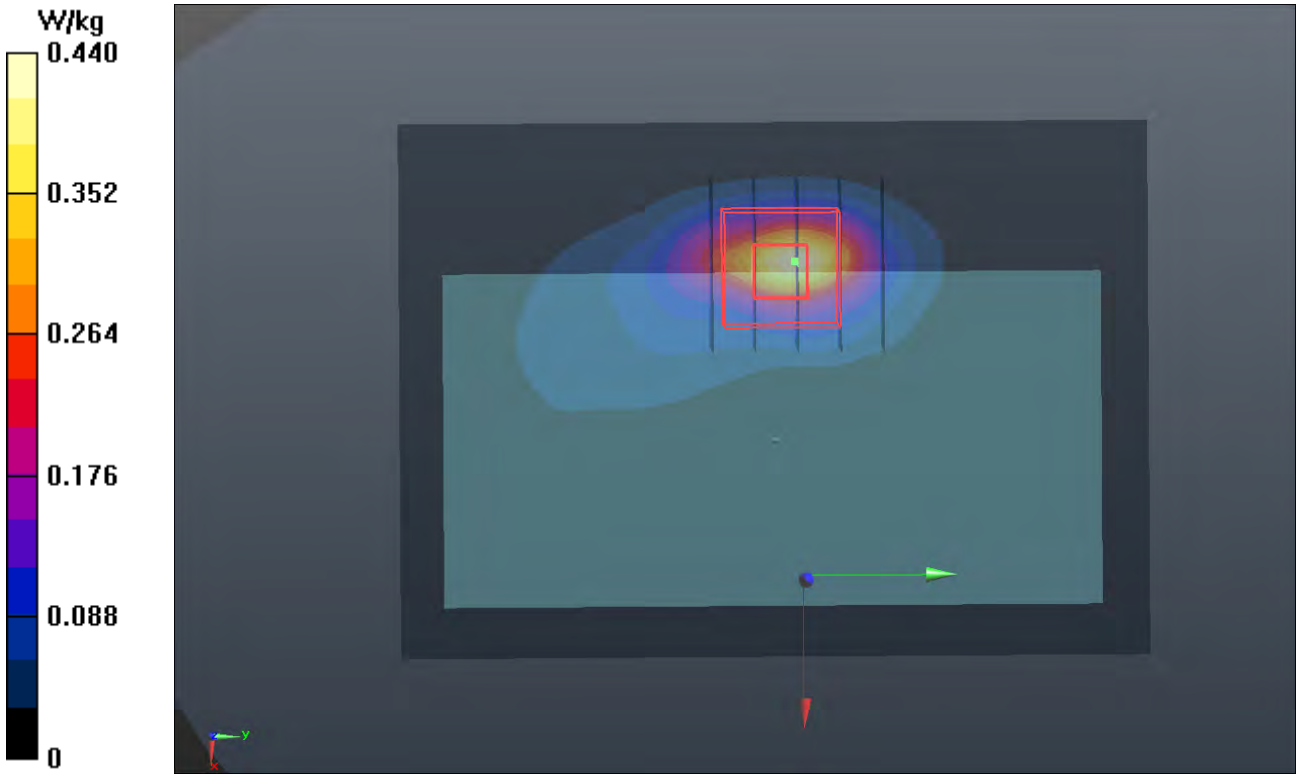
DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (51x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.440 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.019 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.748 mW/g
SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 0.510 W/kg



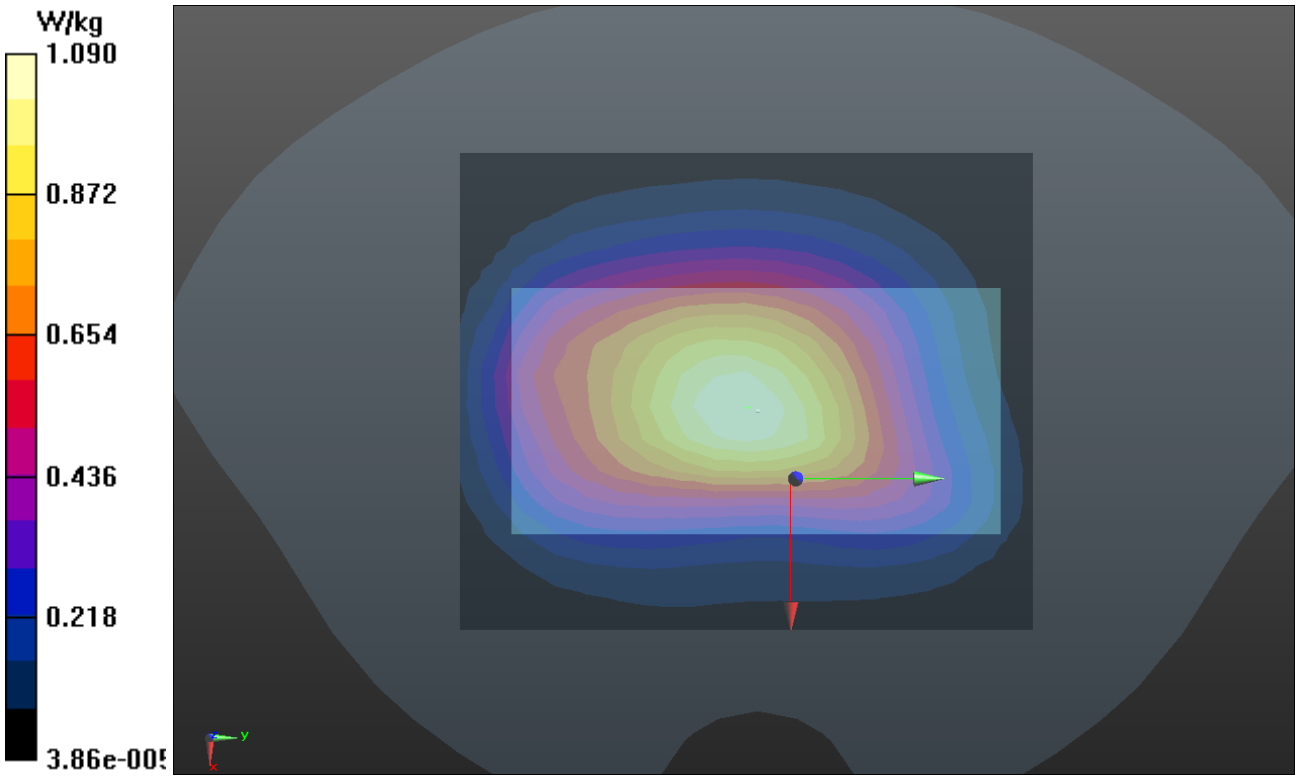
P702 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 56.042; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.951 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.212 mW/g
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.704 mW/g
Total Absorbed Power = 0.0932 W
Maximum value of SAR (measured) = 1.09 W/kg



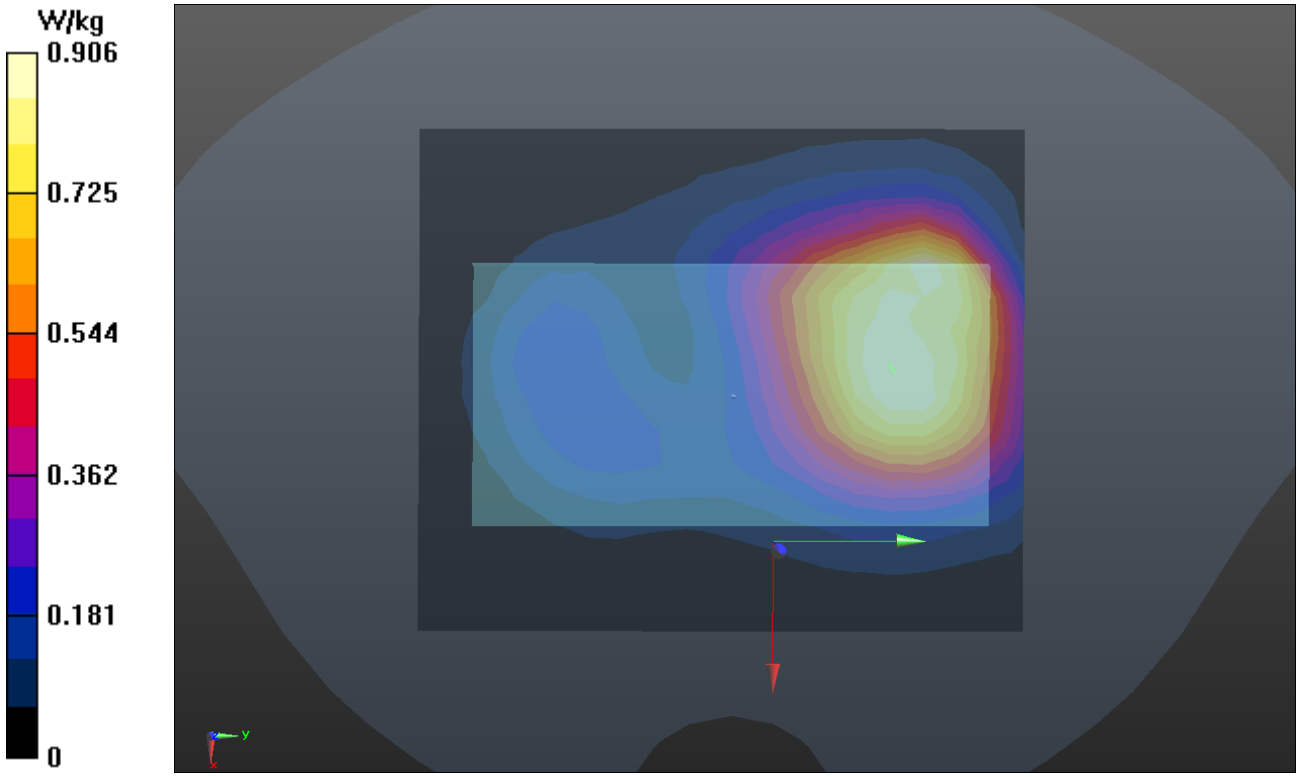
P714 LTE 2_QPSK_10M_Rear Face_1cm_Ch19150_1RB_Offset 49_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: B1900_0927 Medium parameters used: f = 1905 MHz; σ = 1.55 mho/m; ε_r = 52.837; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.848 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.146 mW/g
SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.459 mW/g
Total Absorbed Power = 0.0451 W
Maximum value of SAR (measured) = 0.906 W/kg



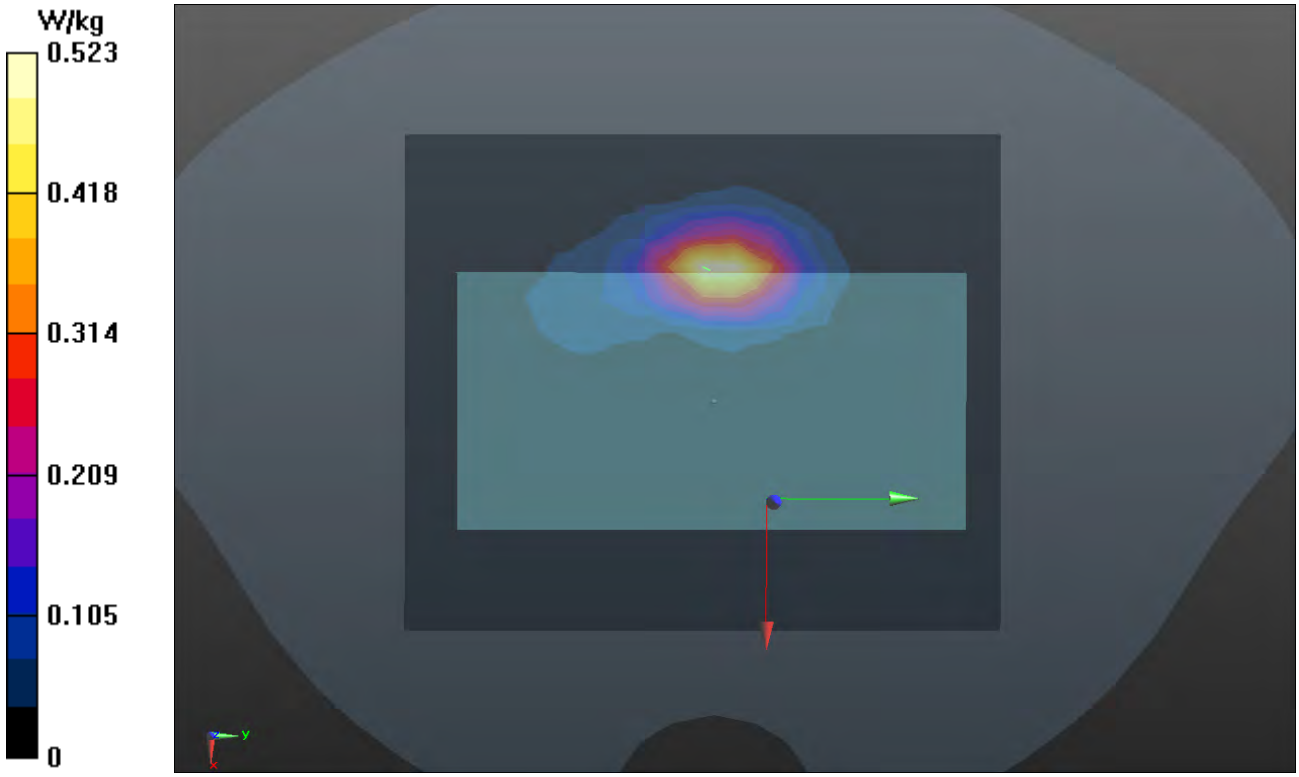
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



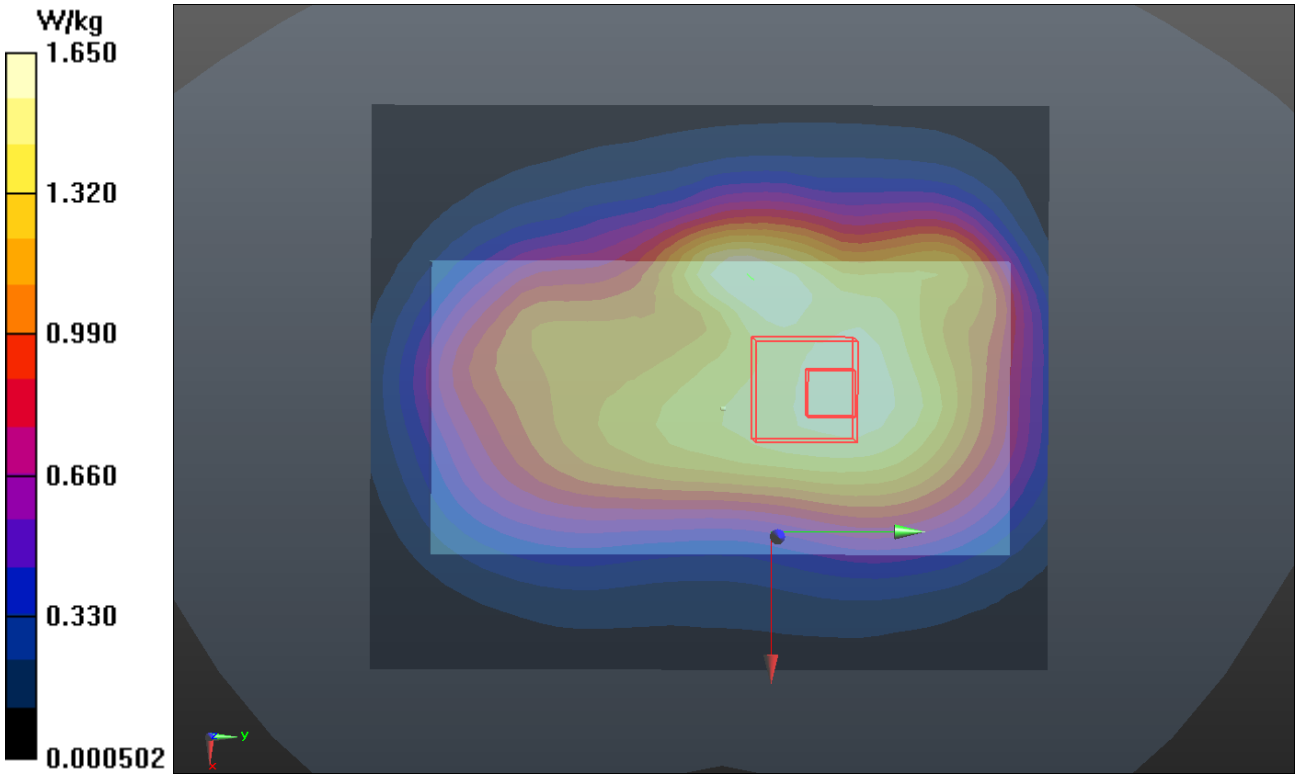
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC0_LTE 2_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.848 mW/g
Maximum value of SAR (interpolated) = 1.65 W/kg



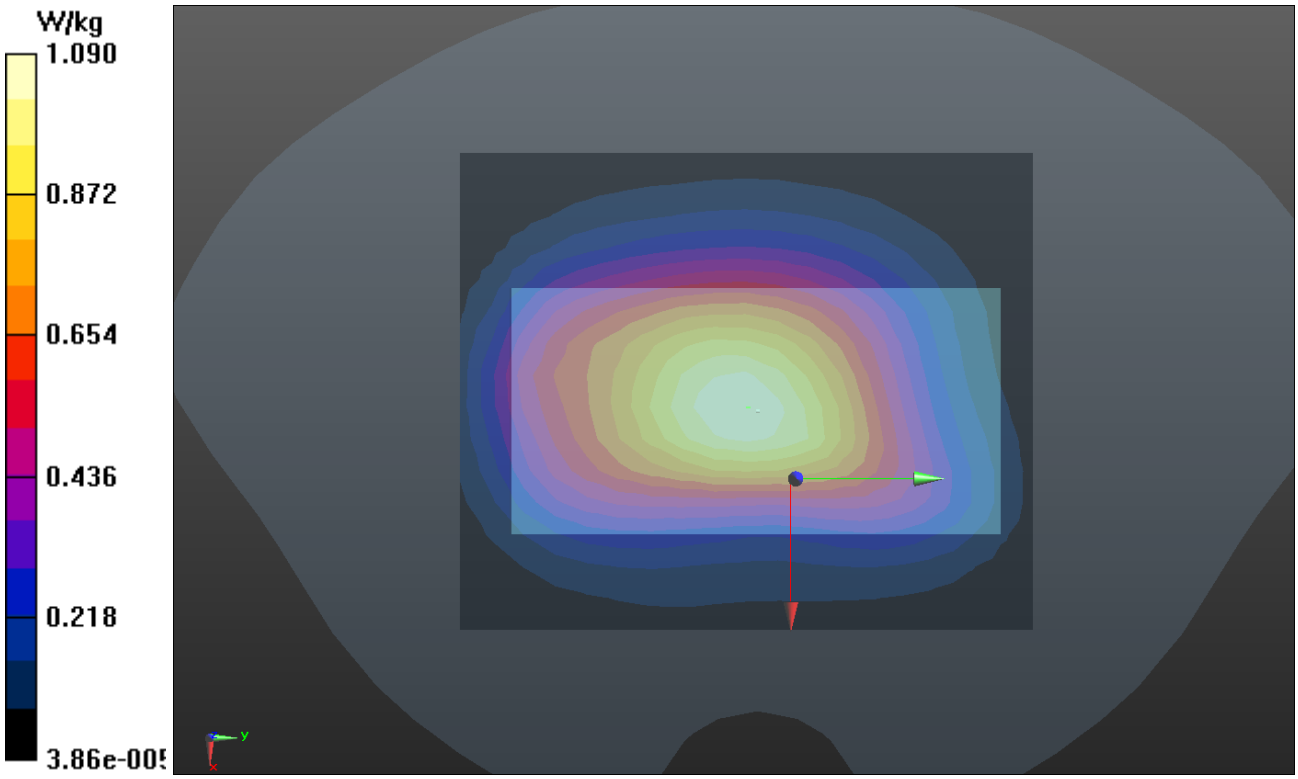
P702 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 56.042; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.951 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.212 mW/g
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.704 mW/g
Total Absorbed Power = 0.0932 W
Maximum value of SAR (measured) = 1.09 W/kg



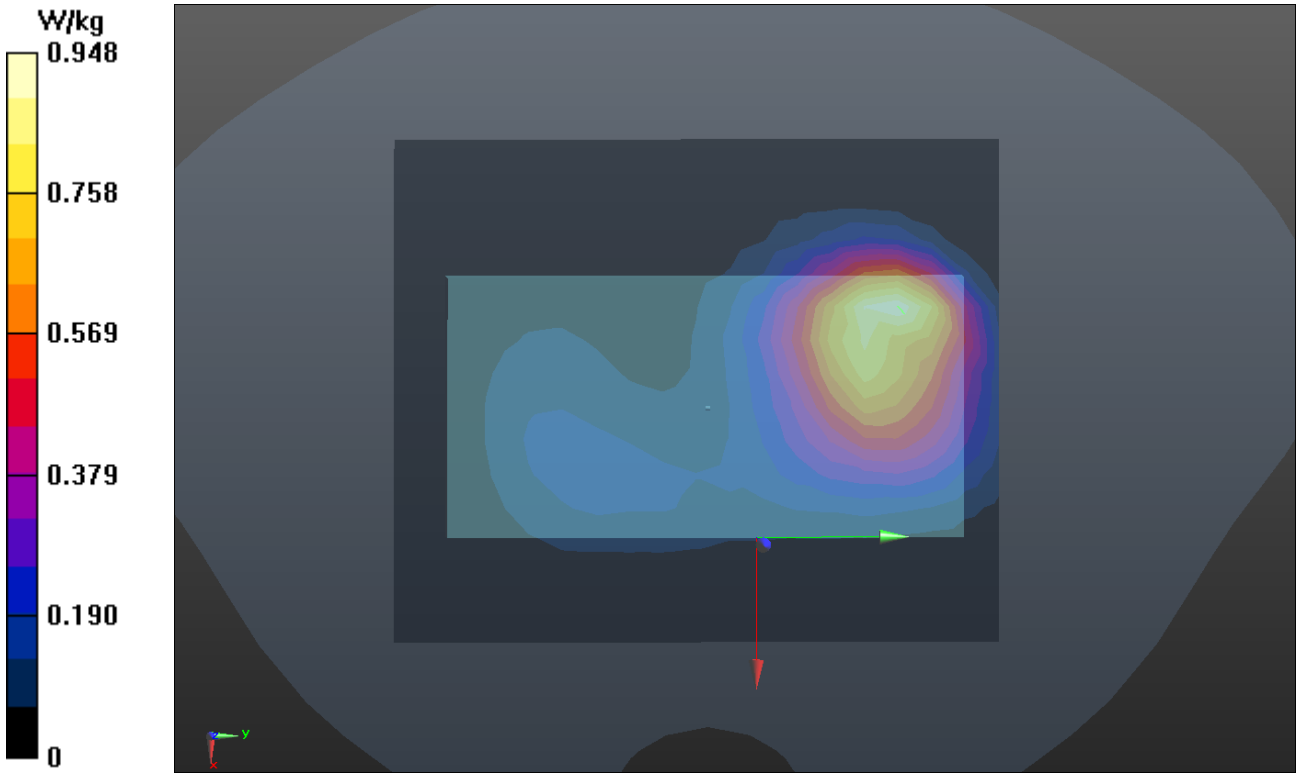
P712 LTE 4_QPSK_10M_Rear Face_1cm_Ch20000_1RB_Offset49_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 1715 MHz;Duty Cycle: 1:1
Medium: B1750_0927 Medium parameters used: f = 1715 MHz; σ = 1.432 mho/m; ε_r = 53.905; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.716 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.149 mW/g
SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.419 mW/g
Total Absorbed Power = 0.0279 W
Maximum value of SAR (measured) = 0.948 W/kg



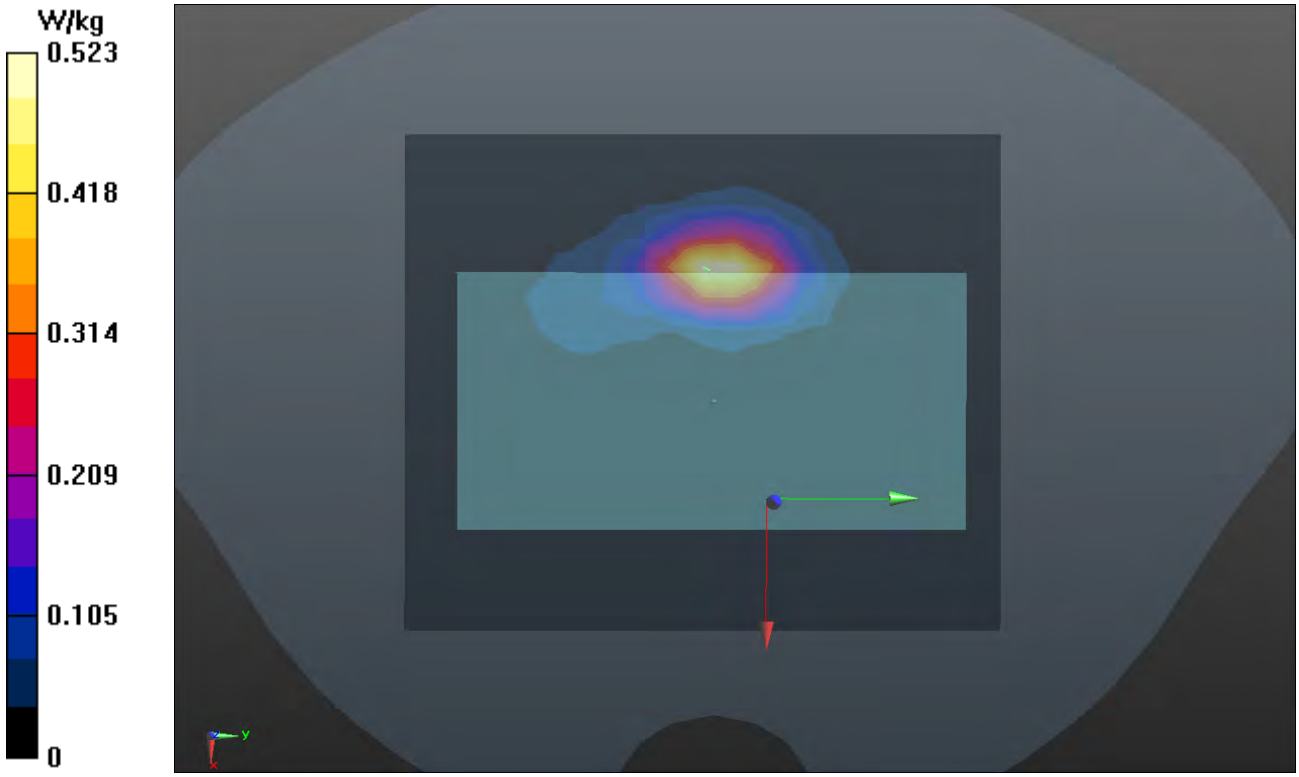
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



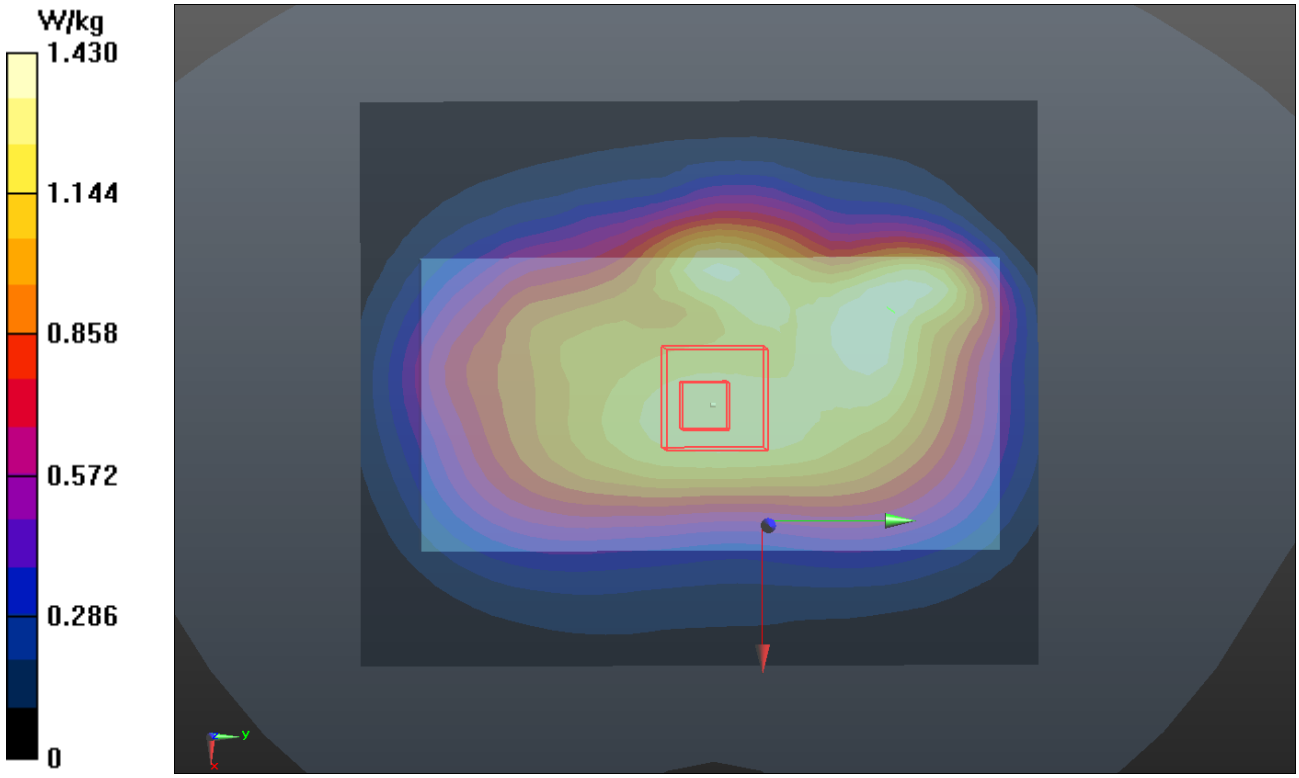
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC0_LTE 4_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.761 mW/g
Maximum value of SAR (interpolated) = 1.43 W/kg



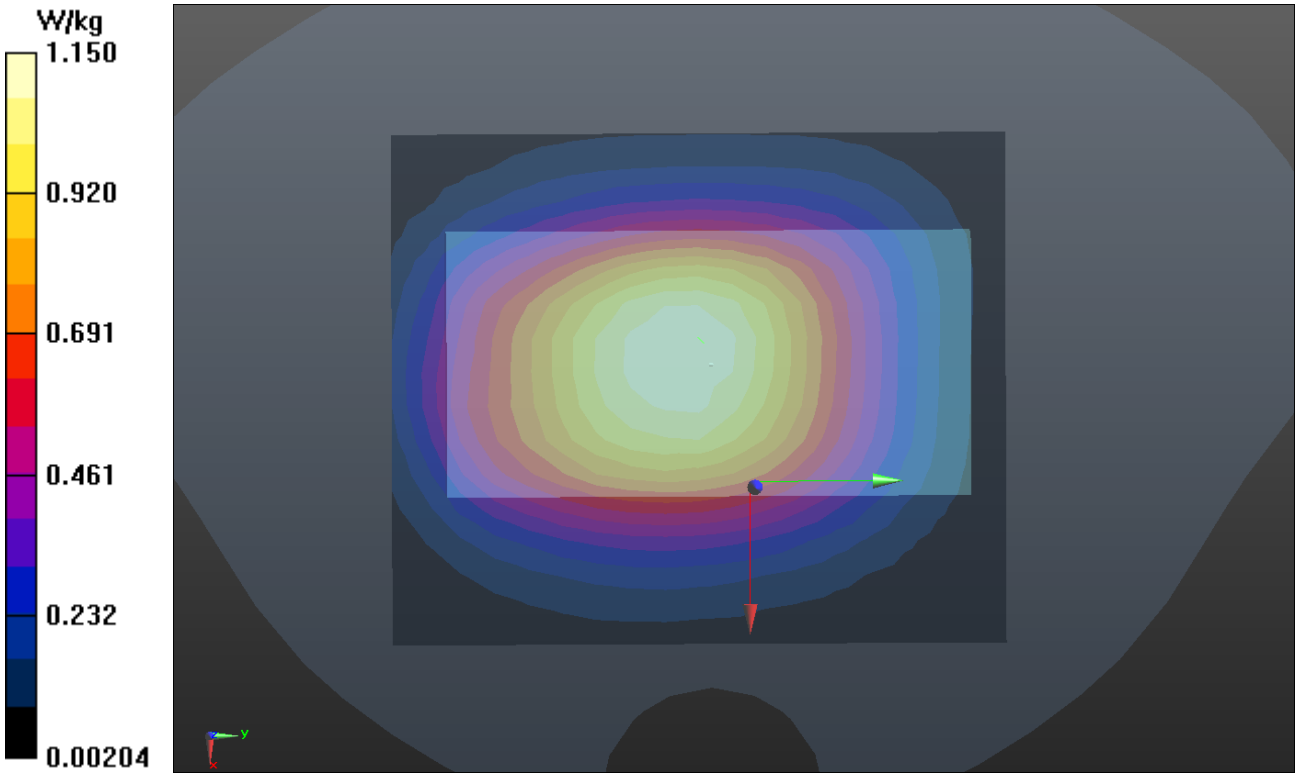
P701 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch384_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 837 MHz; σ = 0.982 mho/m; ε_r = 55.917; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.142 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.265 mW/g
SAR(1 g) = 1 mW/g; SAR(10 g) = 0.774 mW/g
Total Absorbed Power = 0.110 W
Maximum value of SAR (measured) = 1.15 W/kg



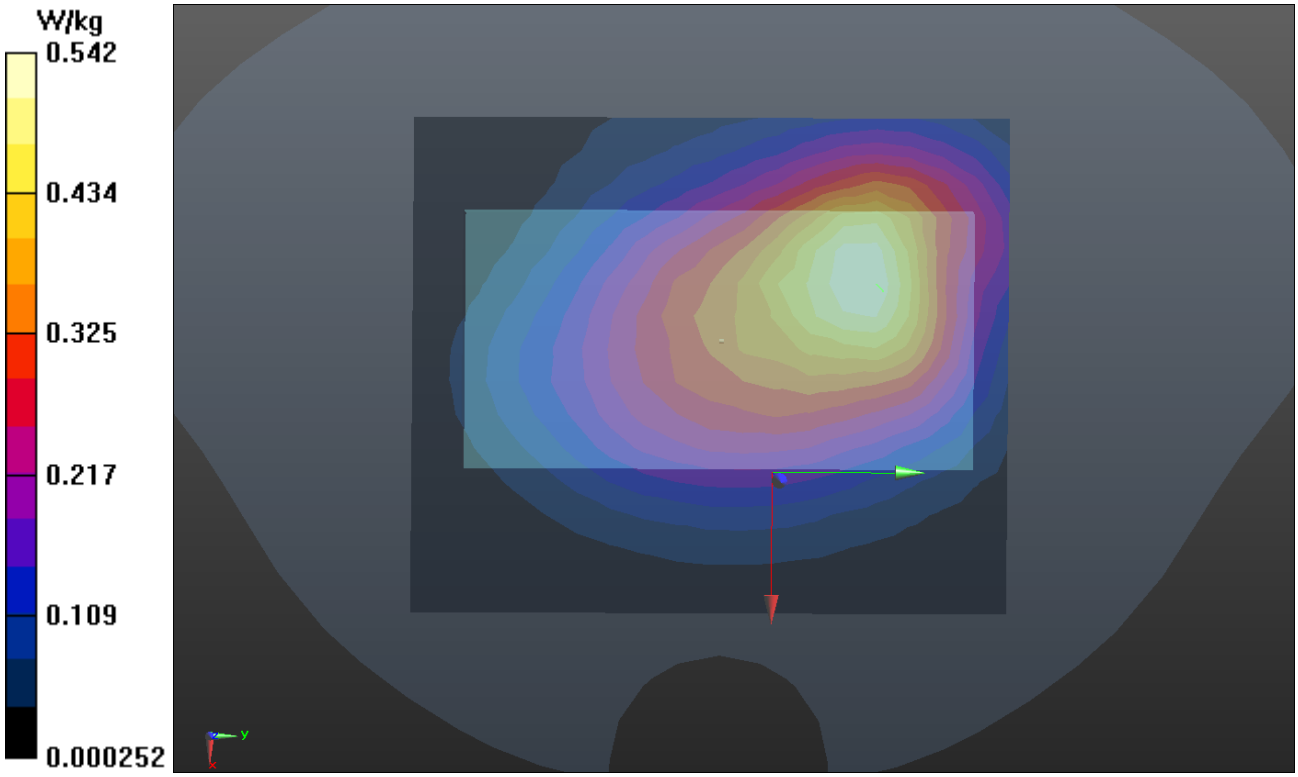
P710 LTE5_QPSK_10M_Front Face_1cm_Ch20450_1RB_Offset49_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 829 MHz; σ = 0.974 mho/m; ε_r = 56.002; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.449 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.618 mW/g
SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.325 mW/g
Total Absorbed Power = 0.0445 W
Maximum value of SAR (measured) = 0.542 W/kg



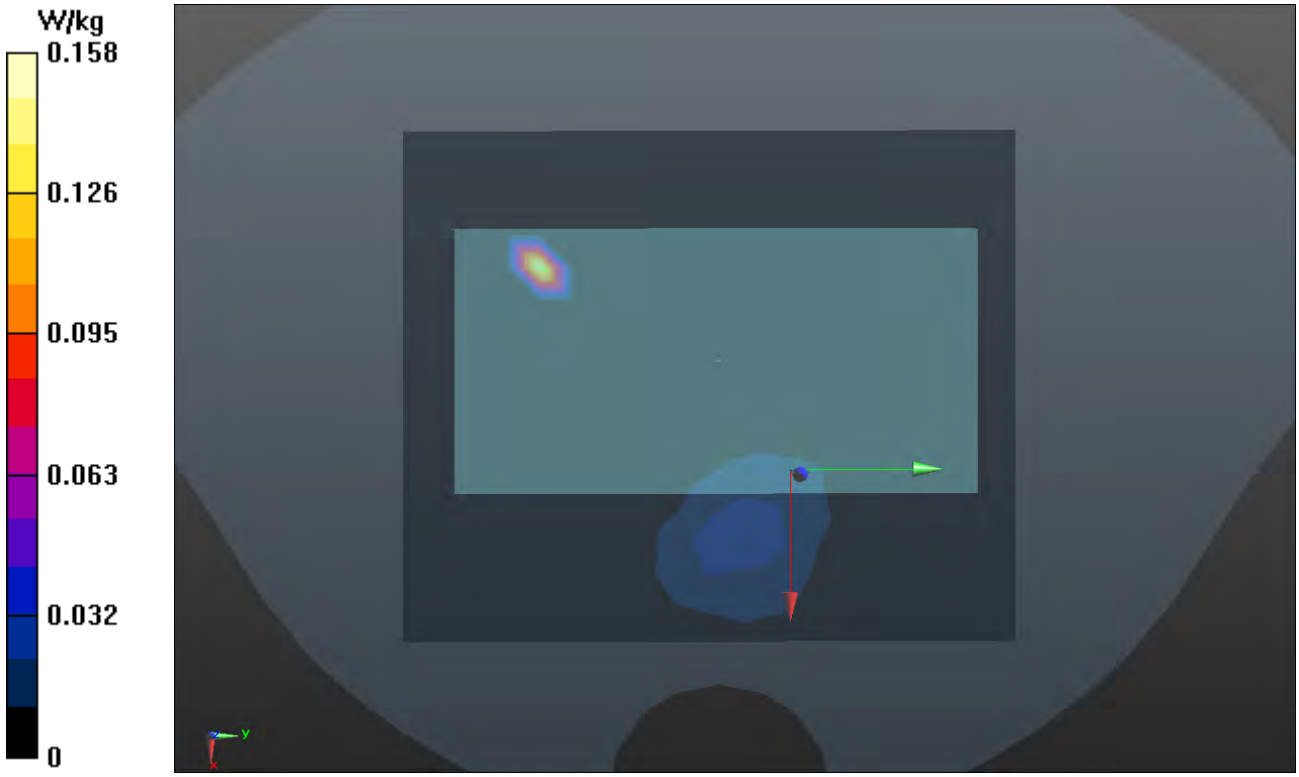
P722 802.11b_Front Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.227 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.196 mW/g
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.017 mW/g
Total Absorbed Power = 0.000513 W
Maximum value of SAR (measured) = 0.158 W/kg



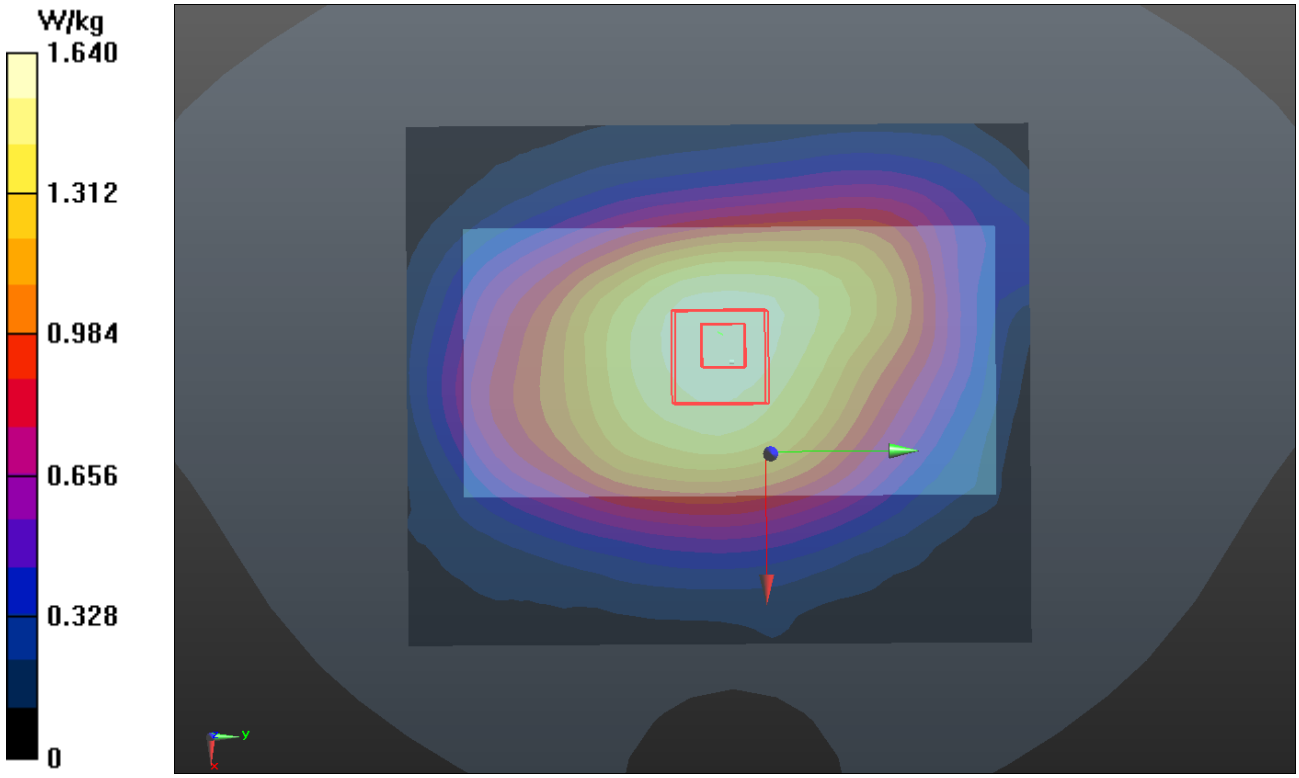
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Front Face_CDMA2000 BC0_LTE 5_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.994 mW/g
Maximum value of SAR (interpolated) = 1.64 W/kg



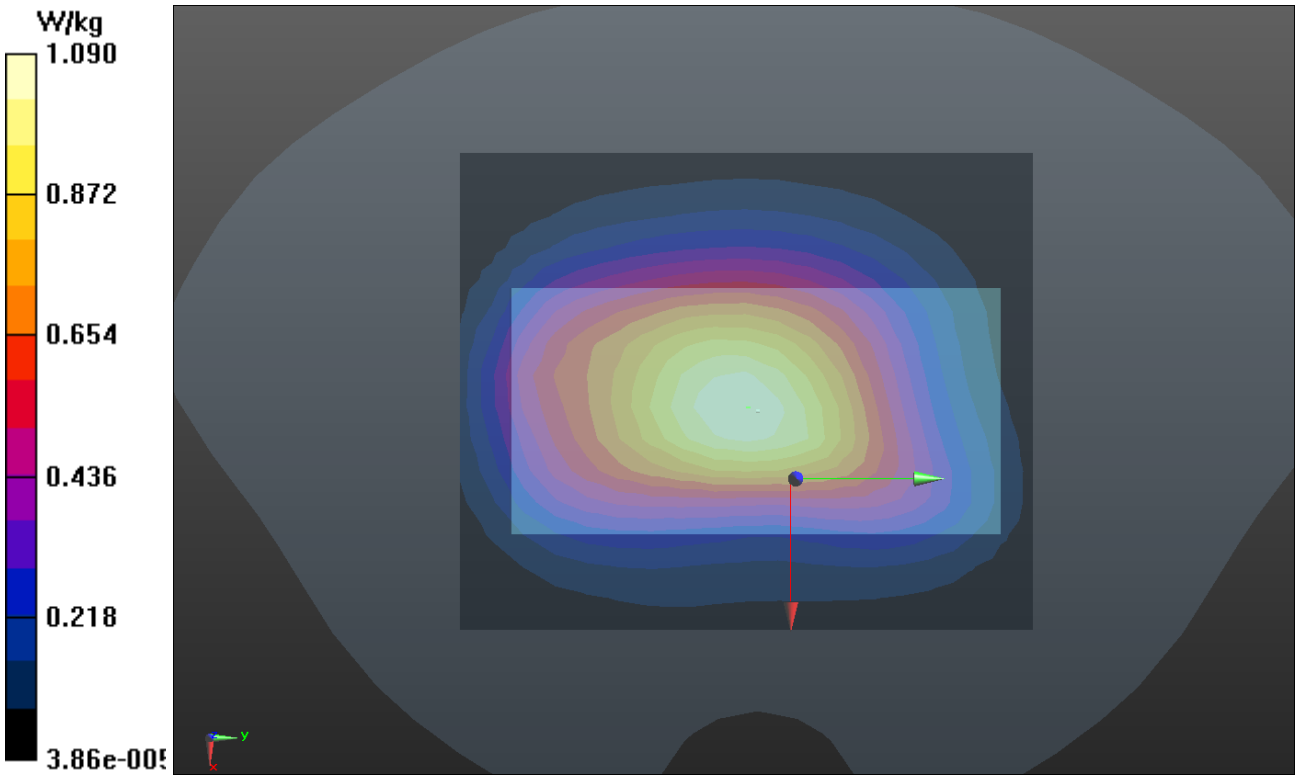
P702 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 56.042; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.951 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.212 mW/g
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.704 mW/g
Total Absorbed Power = 0.0932 W
Maximum value of SAR (measured) = 1.09 W/kg



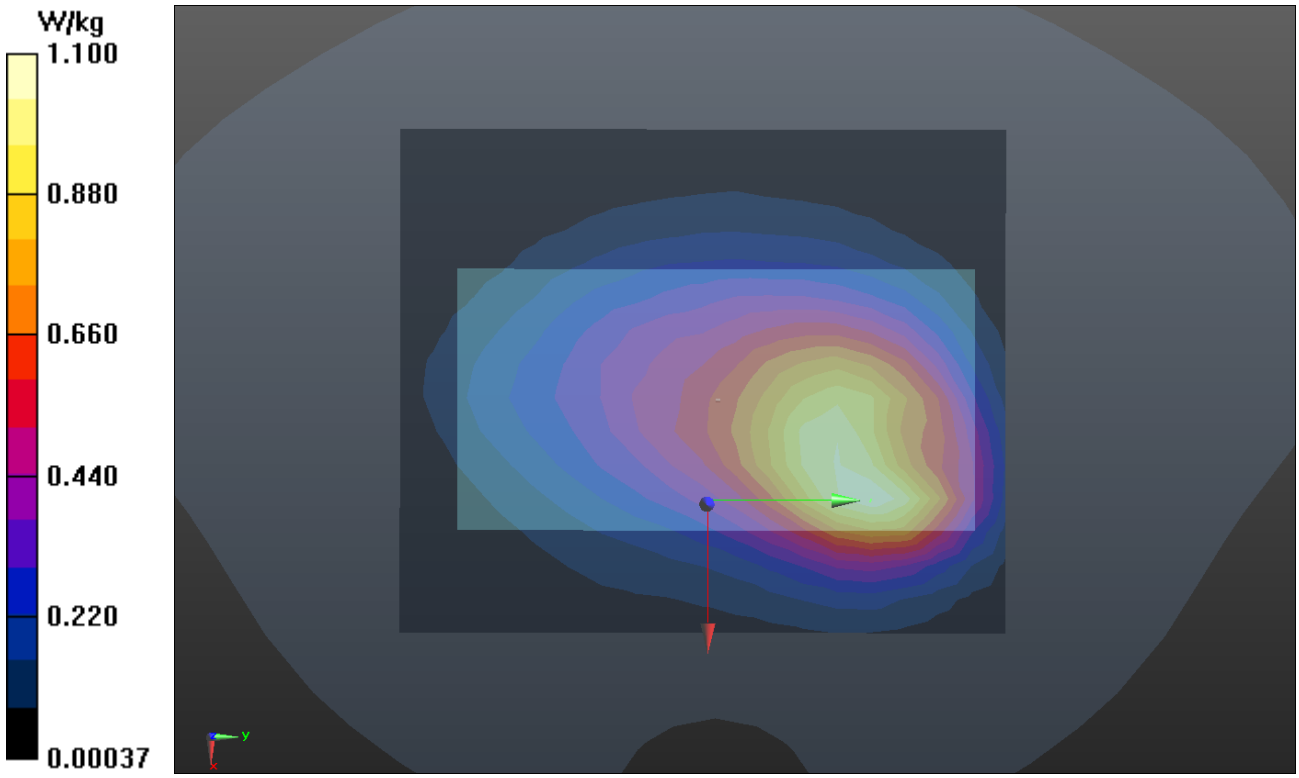
P711 LTE5_QPSK_10M_Rear Face_1cm_Ch20450_1RB_Offset49_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 829 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 829 MHz; σ = 0.974 mho/m; ε_r = 56.002; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.536 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.352 mW/g
SAR(1 g) = 0.839 mW/g; SAR(10 g) = 0.587 mW/g
Total Absorbed Power = 0.0730 W
Maximum value of SAR (measured) = 1.10 W/kg



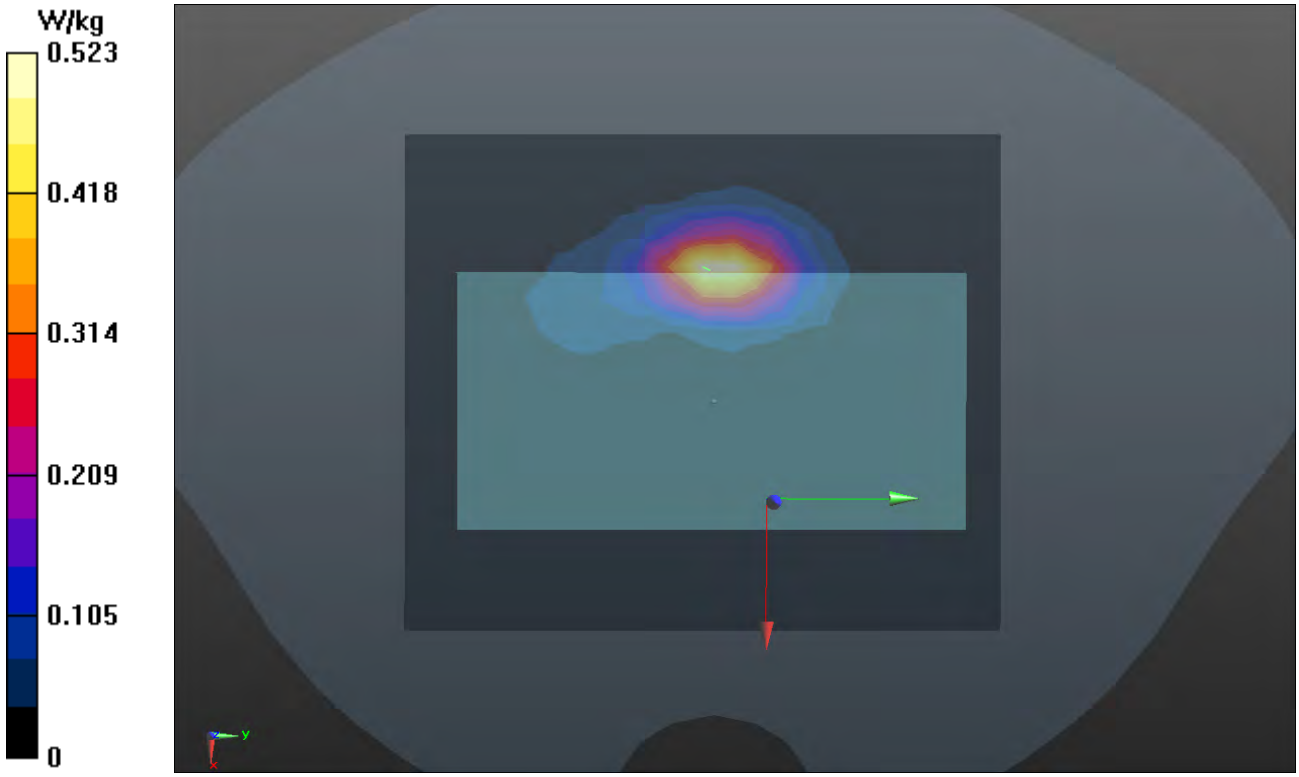
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



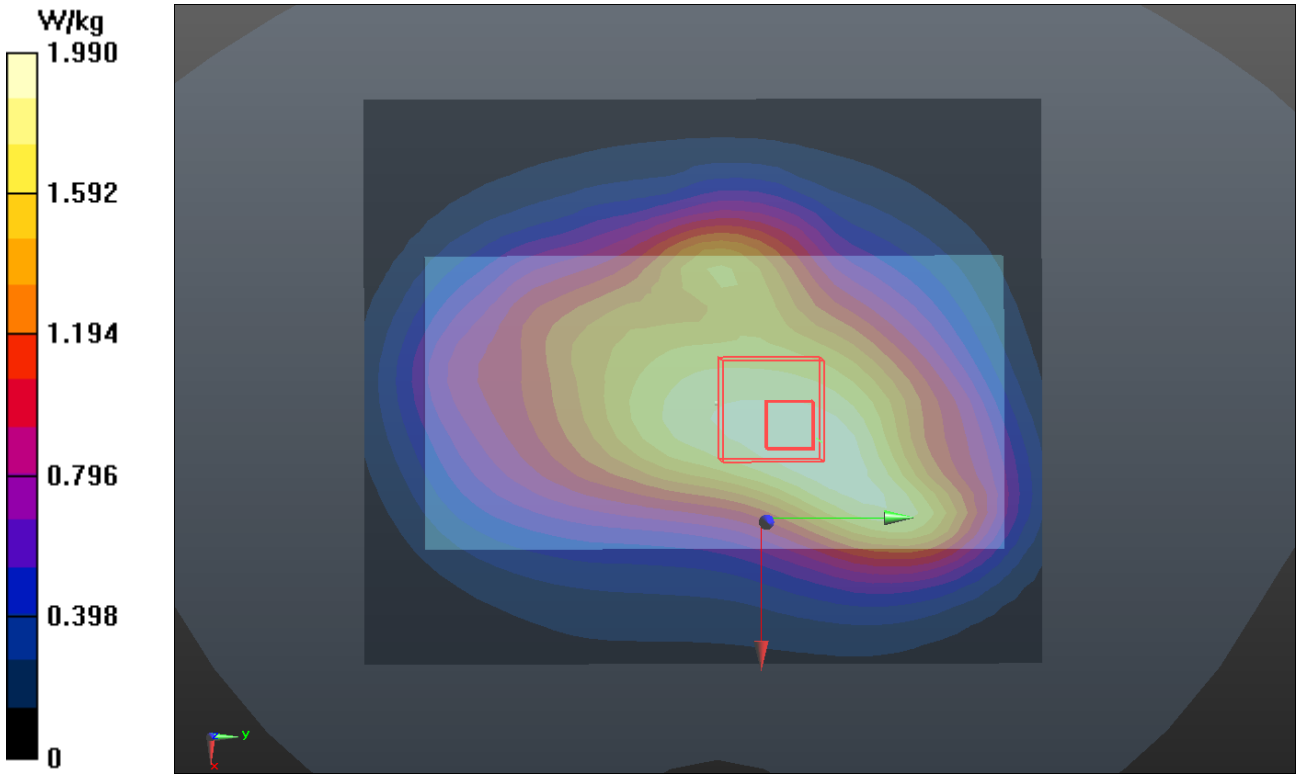
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC0_LTE 5_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.51 mW/g; SAR(10 g) = 1.13 mW/g
Maximum value of SAR (interpolated) = 1.99 W/kg



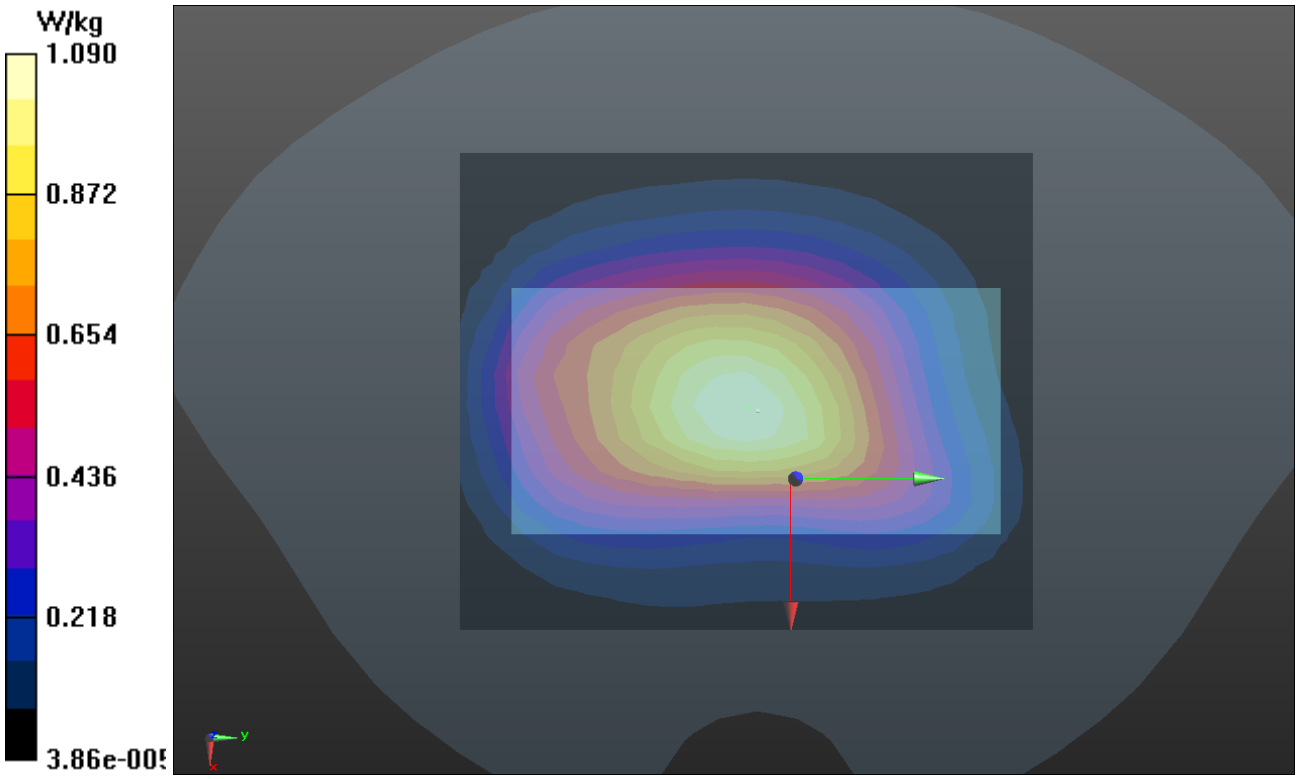
P702 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 56.042; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.951 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.212 mW/g
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.704 mW/g
Total Absorbed Power = 0.0932 W
Maximum value of SAR (measured) = 1.09 W/kg



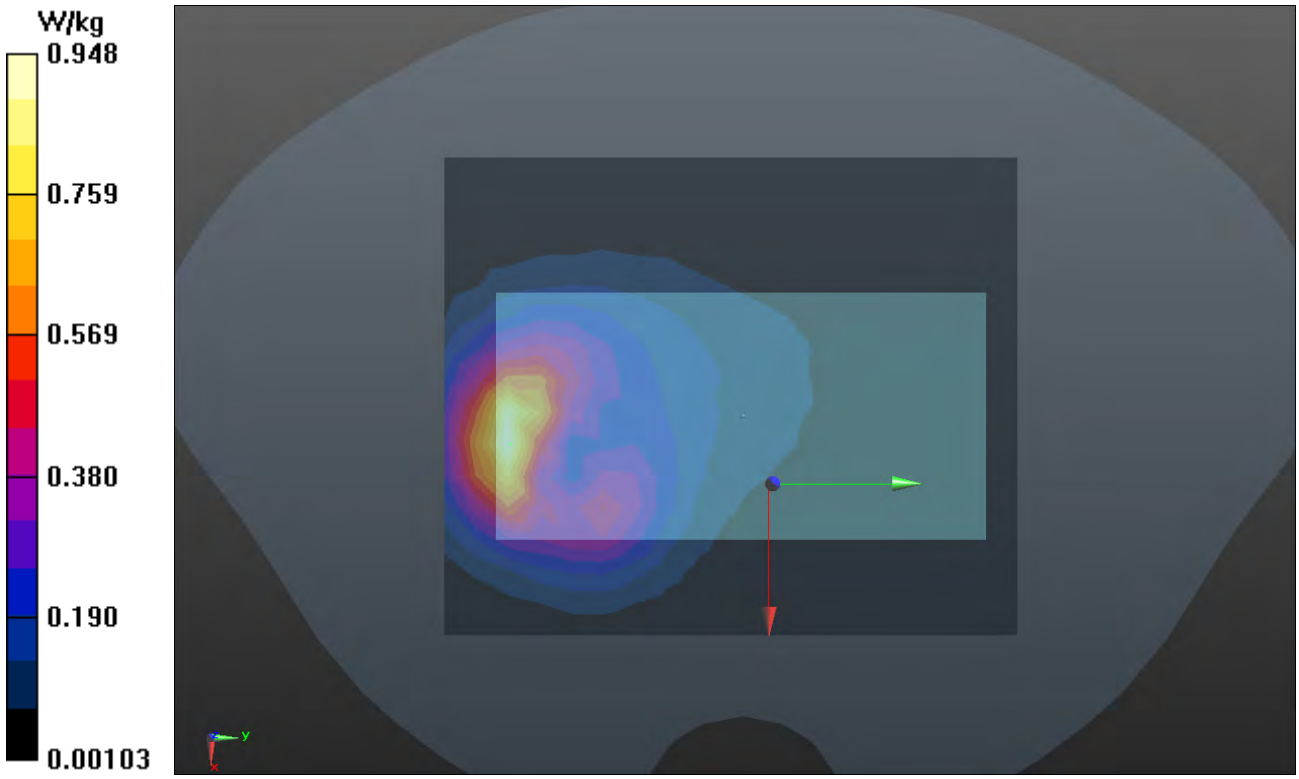
P708 LTE12_QPSK_10M_Rear Face_1cm_Ch23130_1RB_Offset 0_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0926 Medium parameters used: f = 711 MHz; σ = 0.937 mho/m; ε_r = 55.913; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.750 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 1.227 mW/g
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.342 mW/g
Total Absorbed Power = 0.0305 W
Maximum value of SAR (measured) = 0.948 W/kg



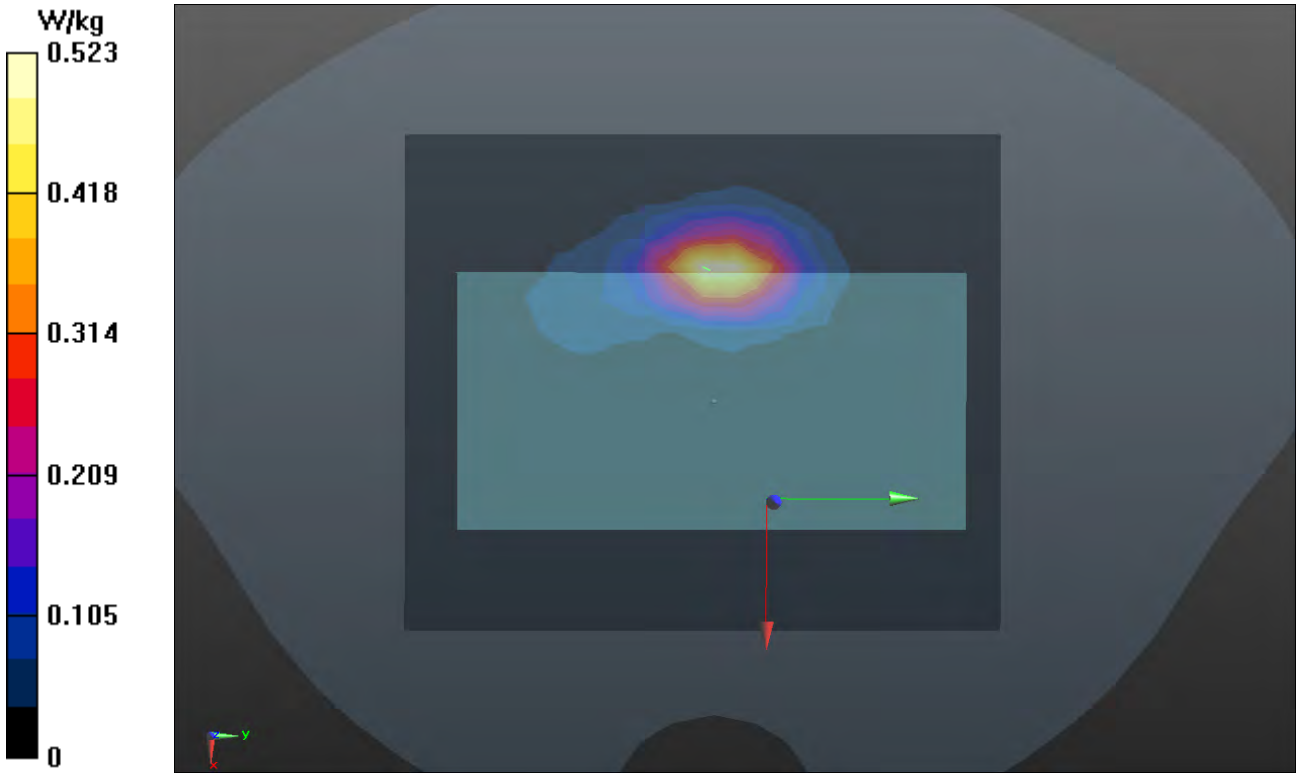
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



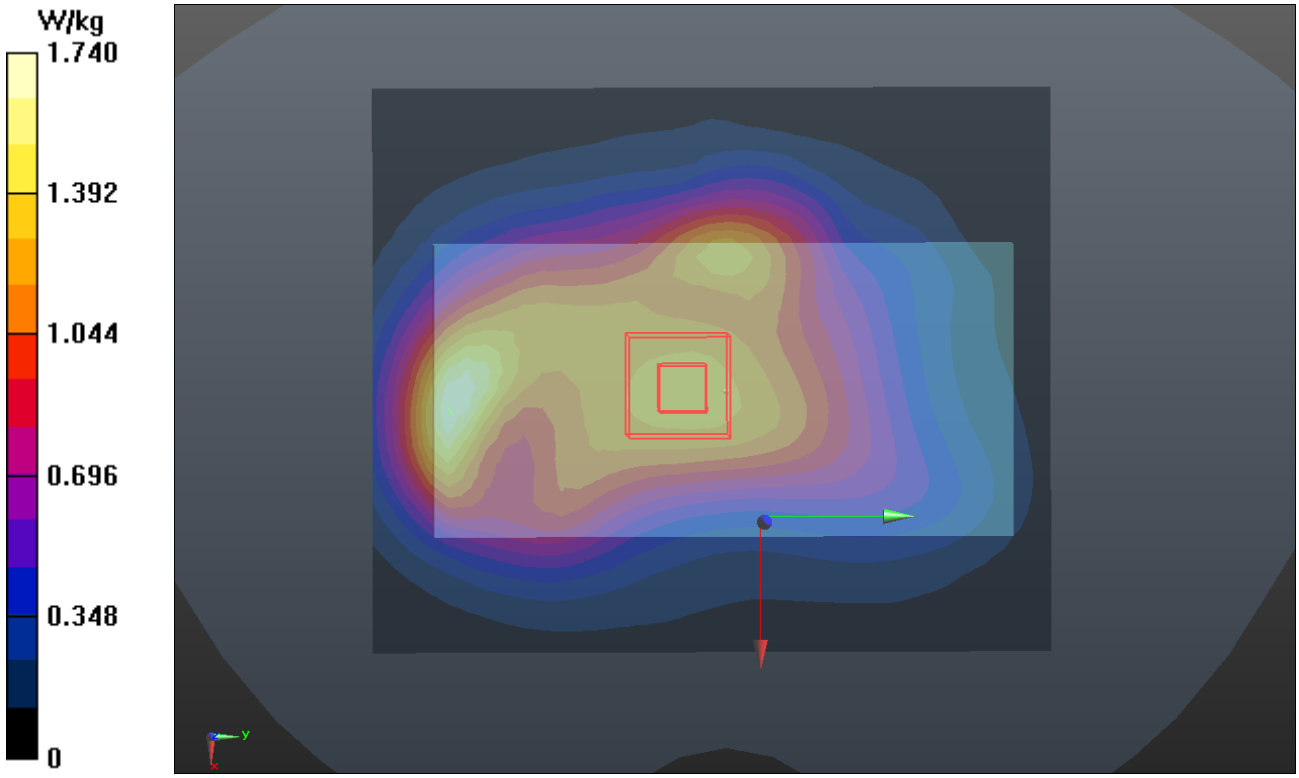
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC0_LTE 12_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.808 mW/g
Maximum value of SAR (interpolated) = 1.74 W/kg



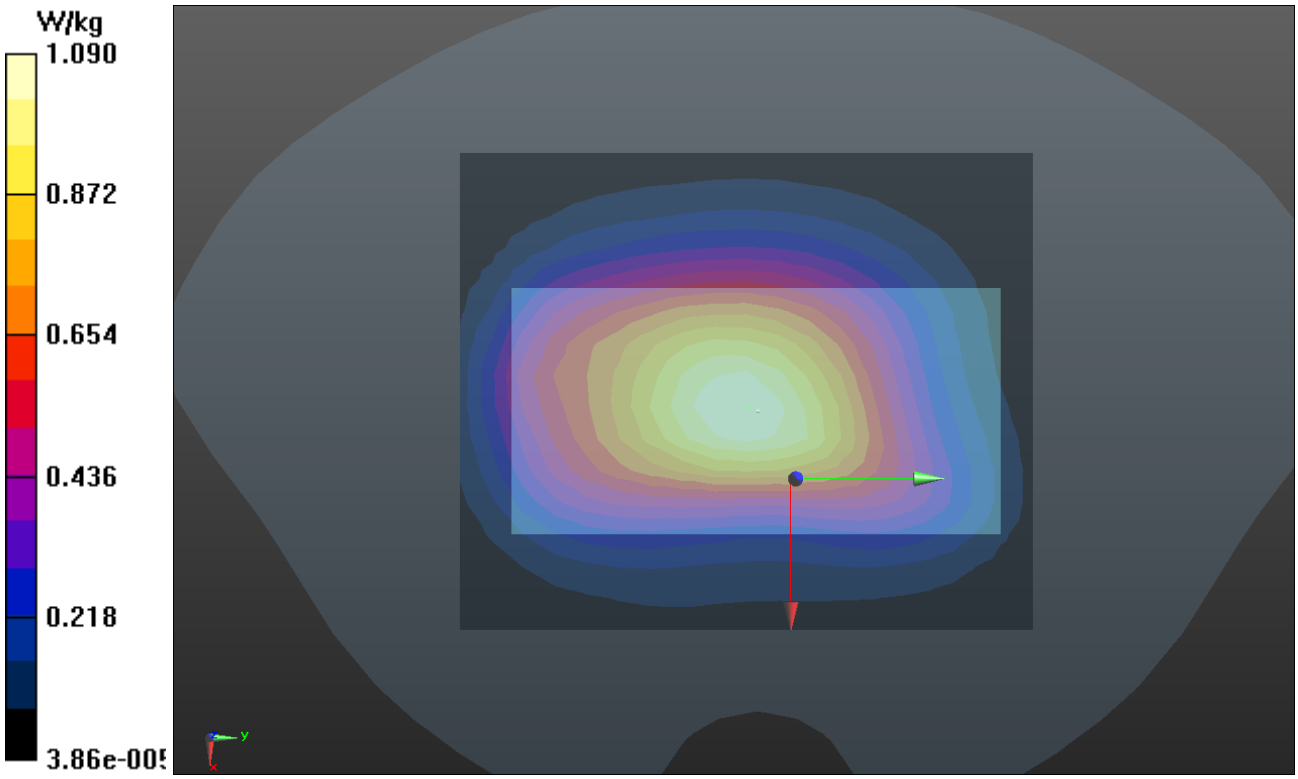
P702 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: B835_0926 Medium parameters used: f = 825 MHz; σ = 0.97 mho/m; ε_r = 56.042; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.951 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.212 mW/g
SAR(1 g) = 0.947 mW/g; SAR(10 g) = 0.704 mW/g
Total Absorbed Power = 0.0932 W
Maximum value of SAR (measured) = 1.09 W/kg



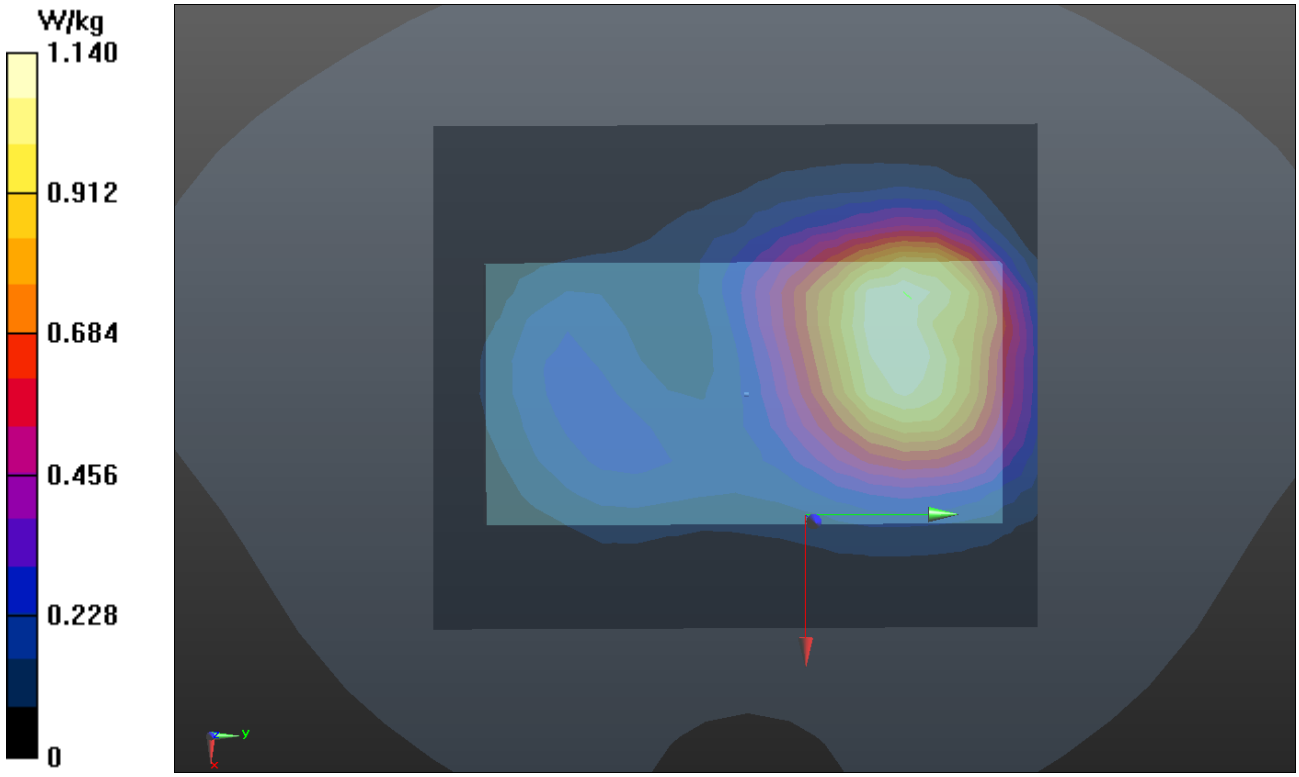
P716 LTE 25_QPSK_10M_Rear Face_1cm_Ch26090_1RB_Offset 49_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 1855 MHz;Duty Cycle: 1:1
Medium: B1900_0927 Medium parameters used: f = 1855 MHz; σ = 1.484 mho/m; ε_r = 53.014; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch26090/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.191 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 1.400 mW/g
SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.579 mW/g
Total Absorbed Power = 0.0510 W
Maximum value of SAR (measured) = 1.14 W/kg



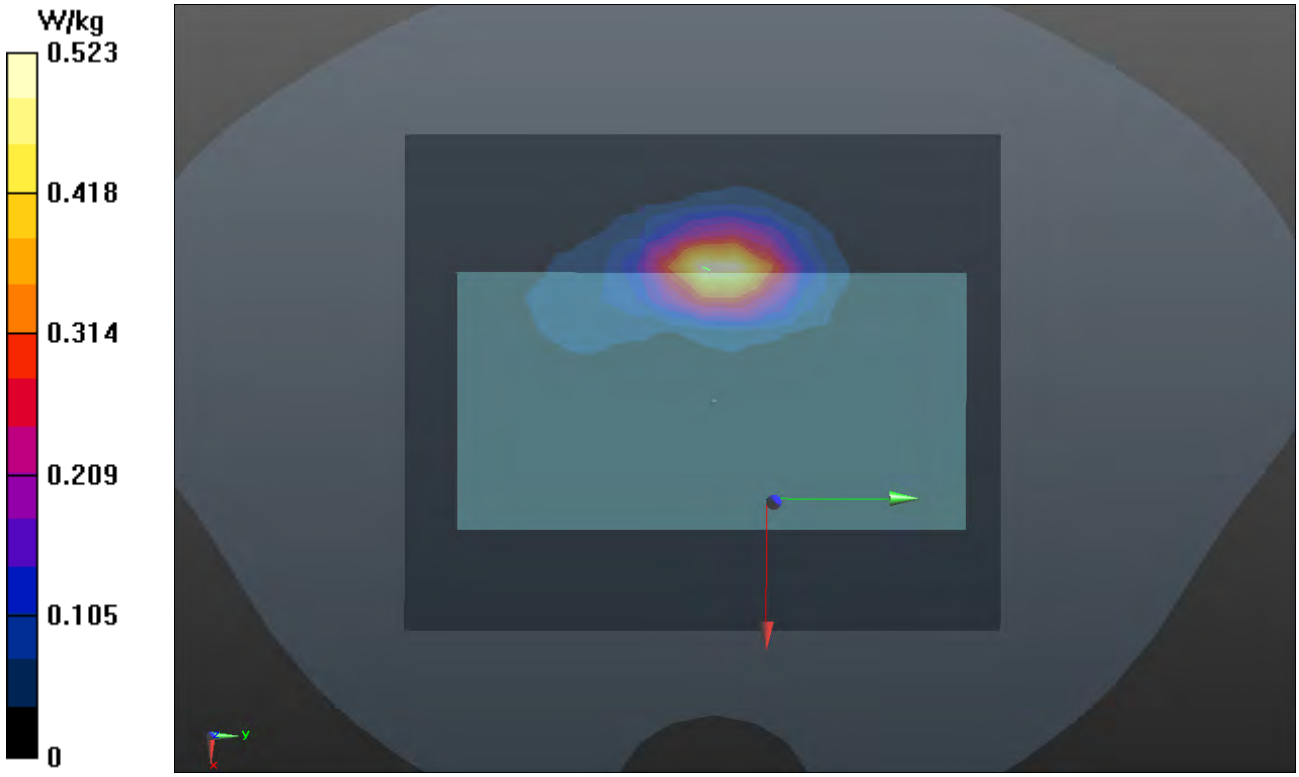
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



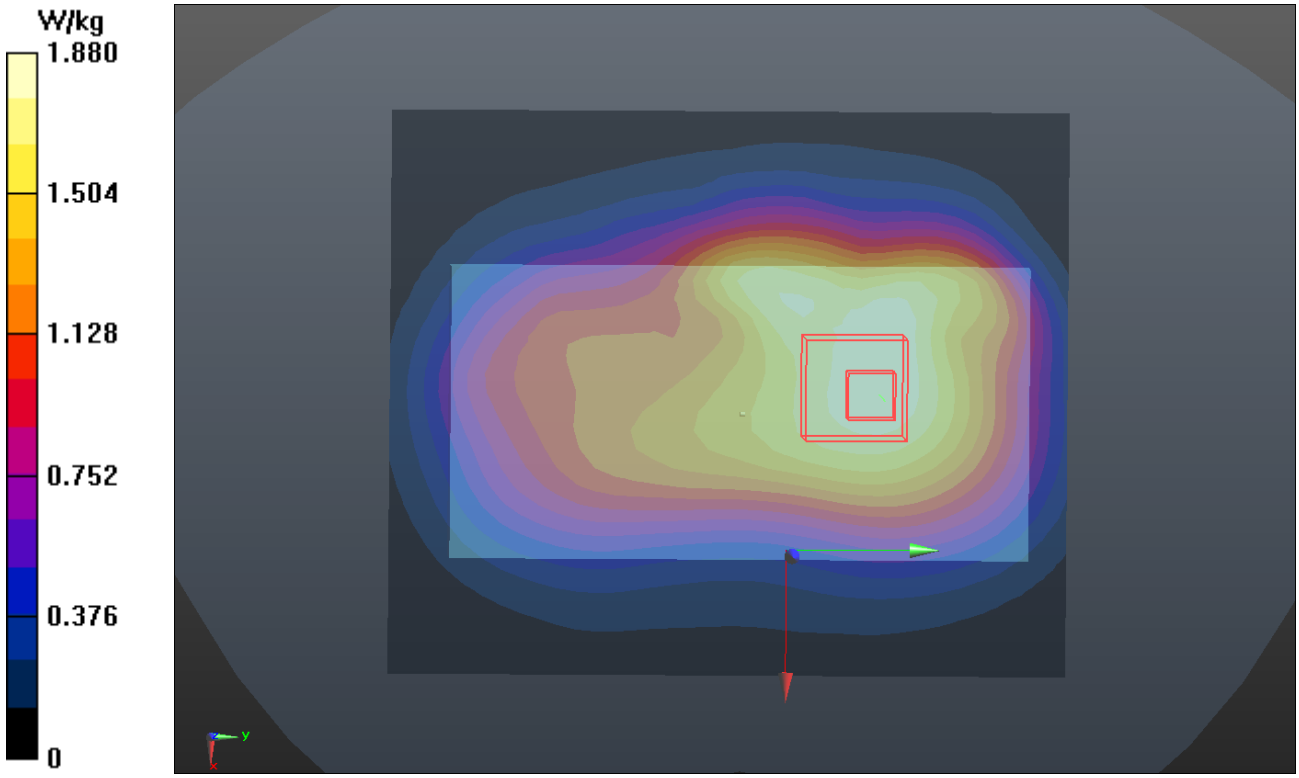
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC0_LTE 25_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.949 mW/g
Maximum value of SAR (interpolated) = 1.88 W/kg



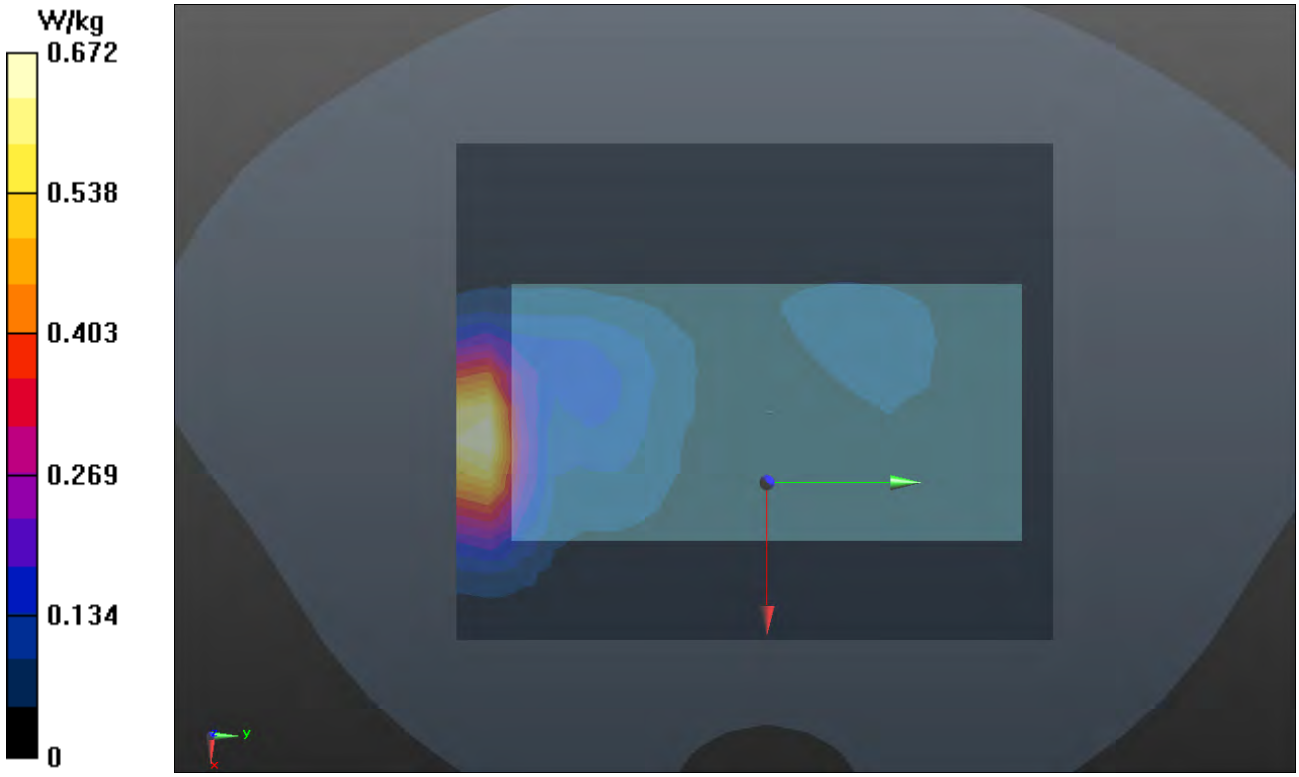
P706 CDMA2000 BC1_RC3+SO32_Rear Face_1cm_Ch25_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: B1900_0927 Medium parameters used: f = 1851.25 MHz; σ = 1.479 mho/m; ε_r = 53.032; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.9 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.394 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.922 mW/g
SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.222 mW/g
Total Absorbed Power = 0.00940 W
Maximum value of SAR (measured) = 0.672 W/kg



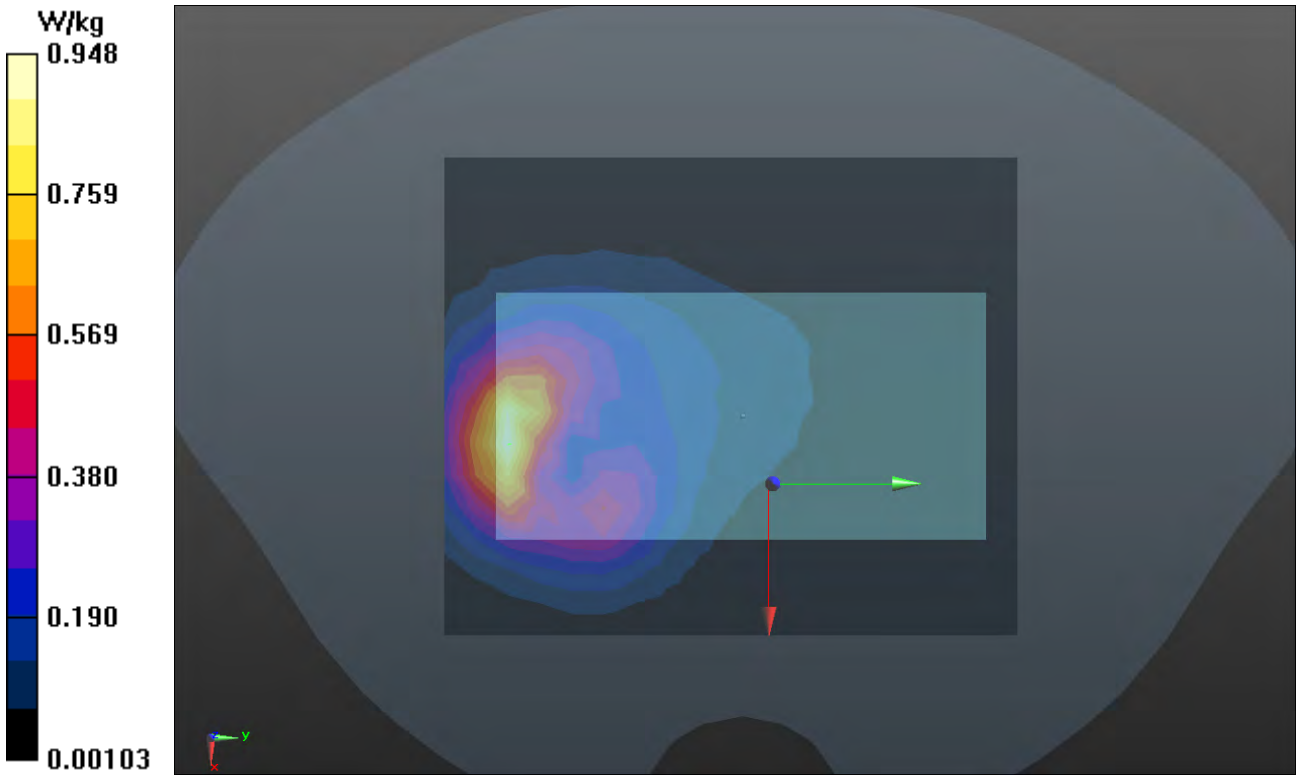
P708 LTE12_QPSK_10M_Rear Face_1cm_Ch23130_1RB_Offset 0_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0926 Medium parameters used: f = 711 MHz; σ = 0.937 mho/m; ε_r = 55.913; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.750 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 1.227 mW/g
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.342 mW/g
Total Absorbed Power = 0.0305 W
Maximum value of SAR (measured) = 0.948 W/kg



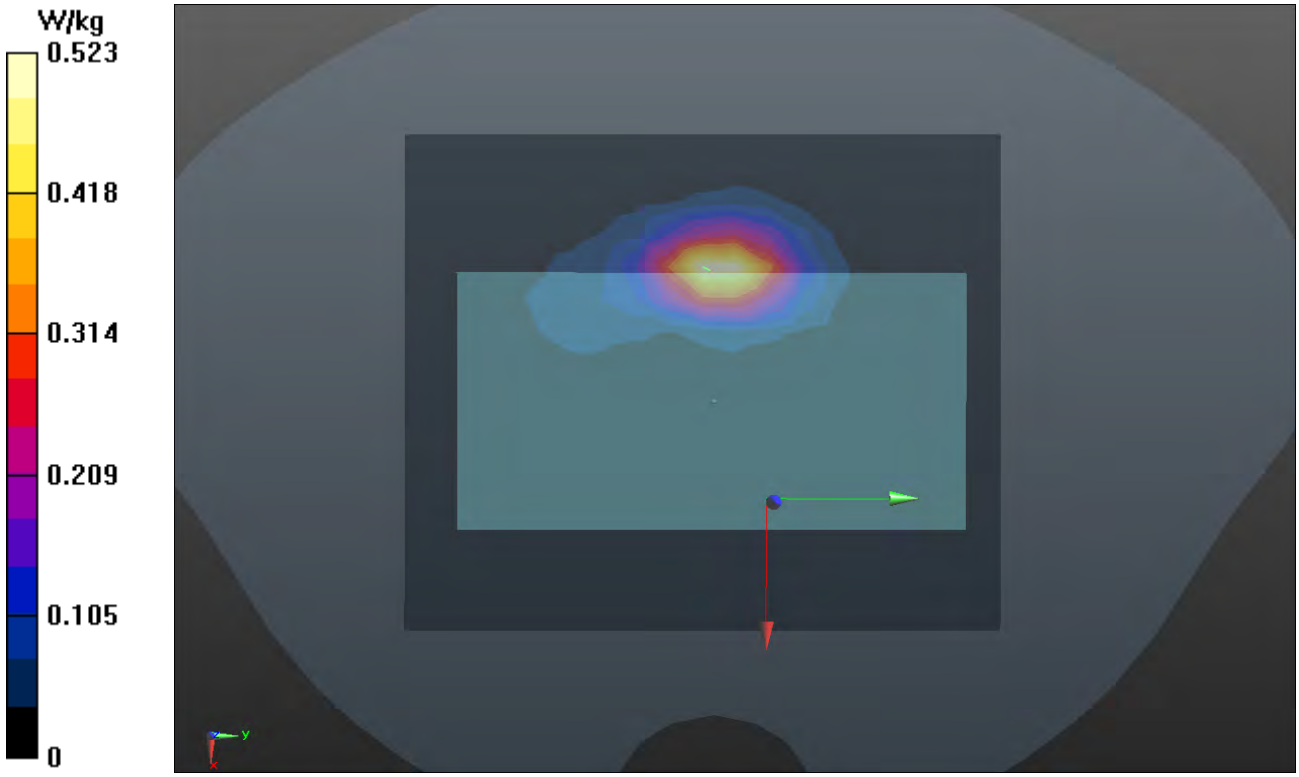
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



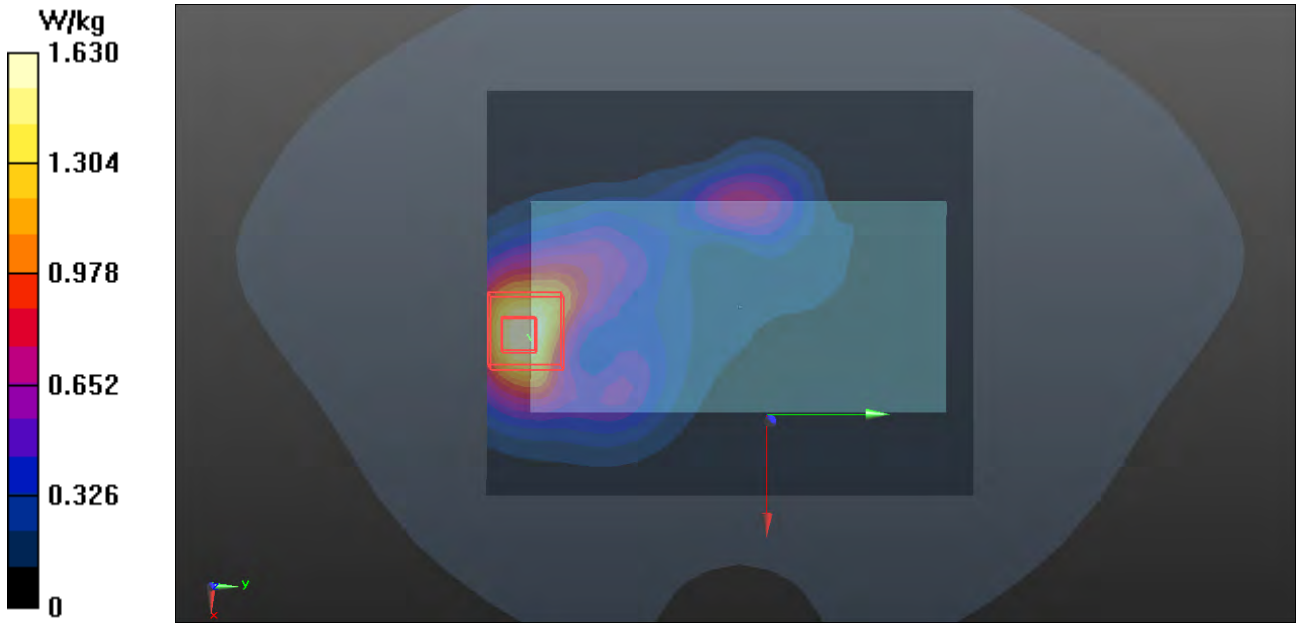
Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC1_LTE 12_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 0.982 mW/g; SAR(10 g) = 0.552 mW/g
Maximum value of SAR (interpolated) = 1.63 W/kg



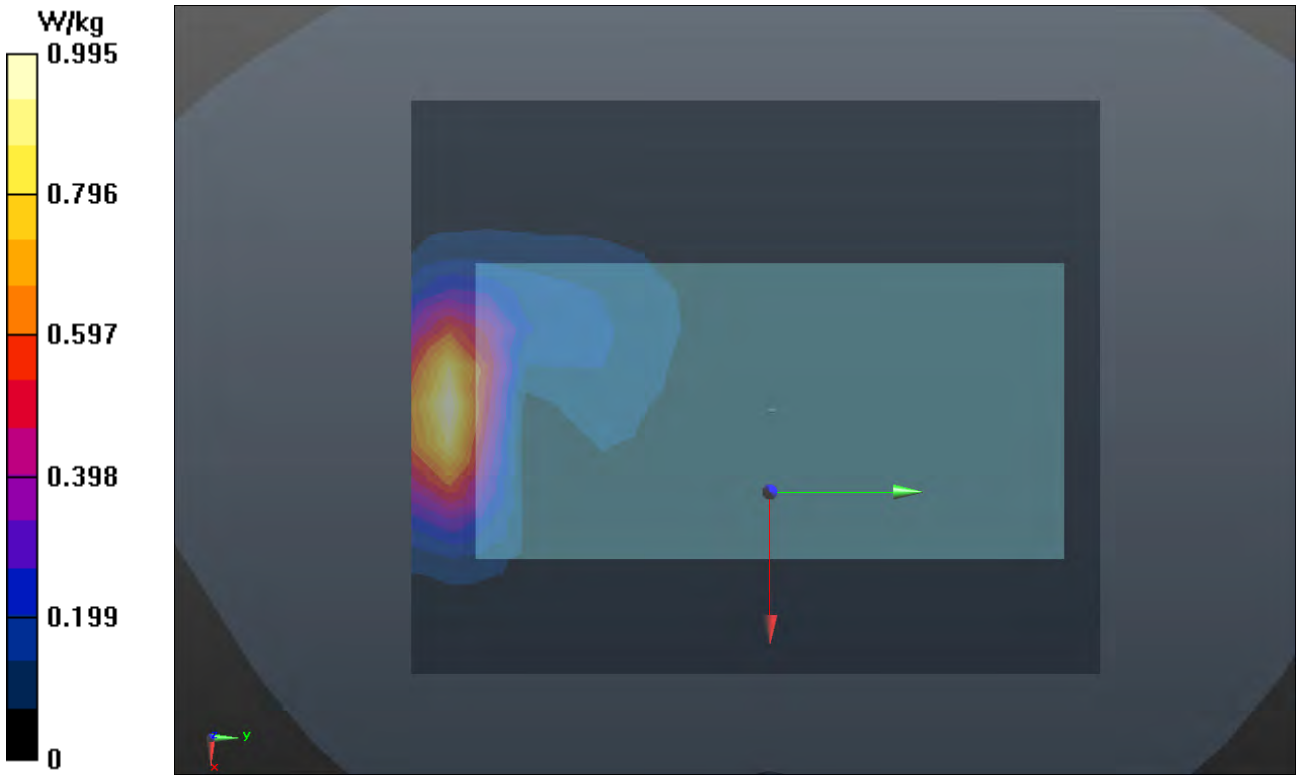
P704 CDMA2000 BC15_RC3+SO32_Rear Face_1cm_Ch875_Volume Scan

DUT: 120822C31

Communication System: CDMA2000; Frequency: 1753.75 MHz;Duty Cycle: 1:1
Medium: B1750_0927 Medium parameters used: f = 1754 MHz; σ = 1.472 mho/m; ε_r = 53.812; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.059 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.256 mW/g
SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.337 mW/g
Total Absorbed Power = 0.0110 W
Maximum value of SAR (measured) = 0.995 W/kg



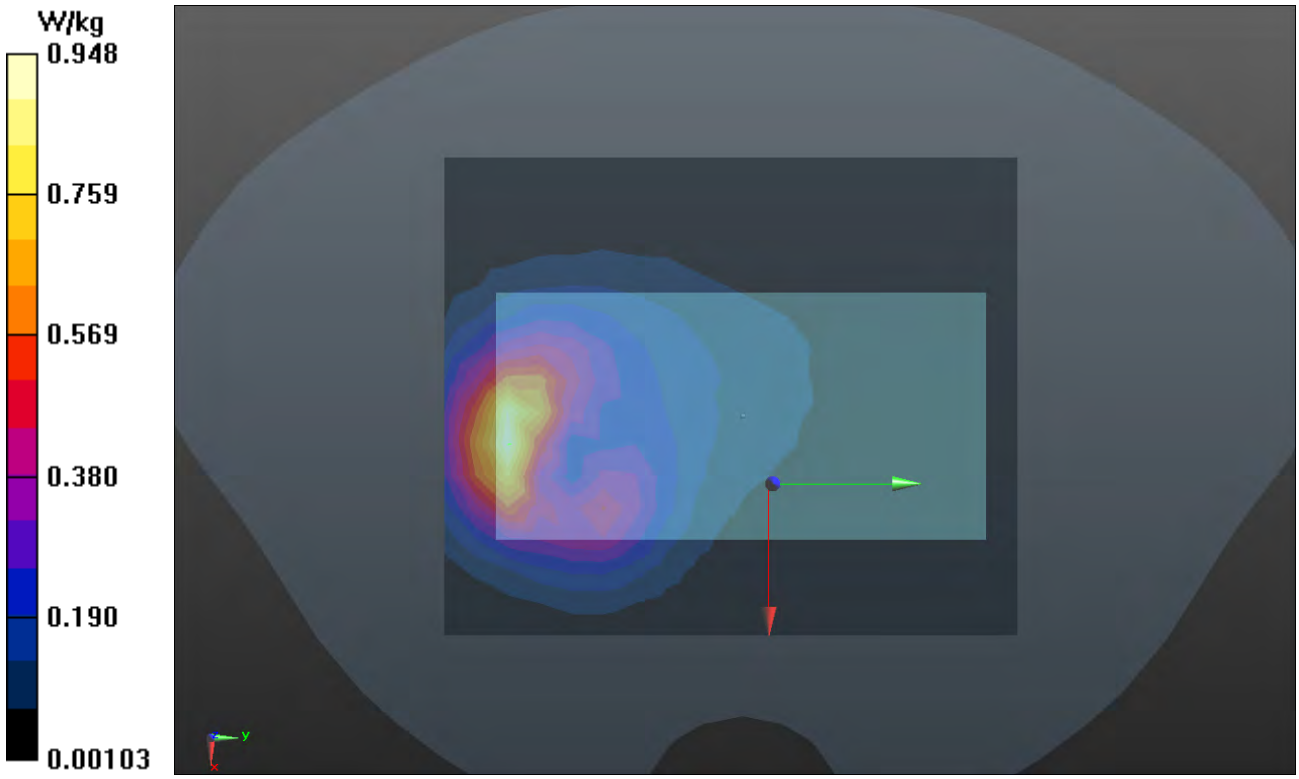
P708 LTE12_QPSK_10M_Rear Face_1cm_Ch23130_1RB_Offset 0_Volume Scan

DUT: 120822C31

Communication System: LTE; Frequency: 711 MHz;Duty Cycle: 1:1
Medium: B750_0926 Medium parameters used: f = 711 MHz; σ = 0.937 mho/m; ε_r = 55.913; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3650; ConvF(9.21, 9.21, 9.21); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.750 V/m; Power Drift = 0.055 dB
Peak SAR (extrapolated) = 1.227 mW/g
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.342 mW/g
Total Absorbed Power = 0.0305 W
Maximum value of SAR (measured) = 0.948 W/kg



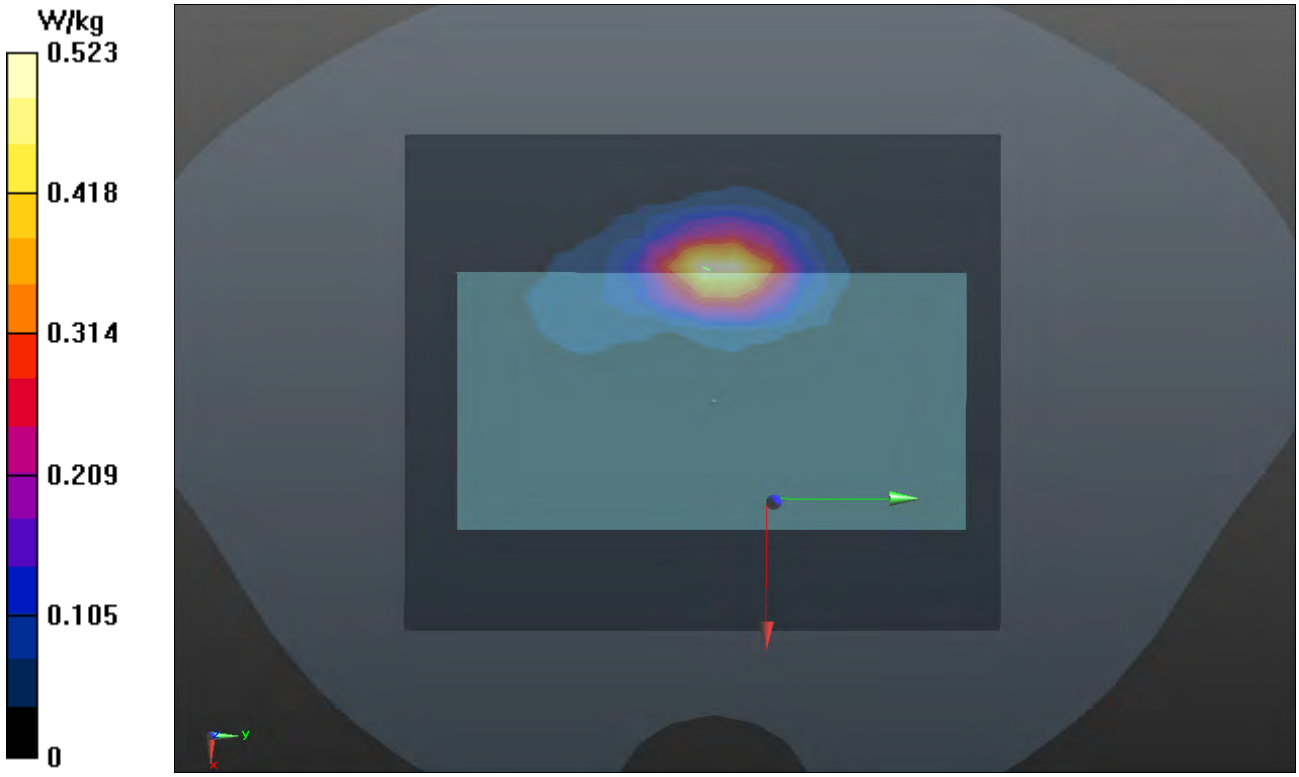
P723 802.11b_Rear Face_1cm_Ch6_Volume Scan

DUT: 120822C31

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_0927 Medium parameters used: f = 2437 MHz; σ = 1.967 mho/m; ε_r = 54.328; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.49, 7.49, 7.49); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Volume Scan (16x19x7): Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.027 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.863 mW/g
SAR(1 g) = 0.397 mW/g; SAR(10 g) = 0.153 mW/g
Total Absorbed Power = 0.00259 W
Maximum value of SAR (measured) = 0.523 W/kg



Test Laboratory: Bureau Veritas ADT SAR/HAC Testing Lab

Multi-Band Average SAR_Rear Face_CDMA2000 BC15_LTE 12_WLAN 11b

Ambient Temperature：22.3 ℃; Liquid Temperature：21.0 ℃

DASY5 Configuration:

Multi Band Result:
SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.660 mW/g
Maximum value of SAR (interpolated) = 2.05 W/kg