Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P01 WiMAX_QPSK 5M_Front Face_1cm_2600MHz_Ant-0

DUT: 120816C10

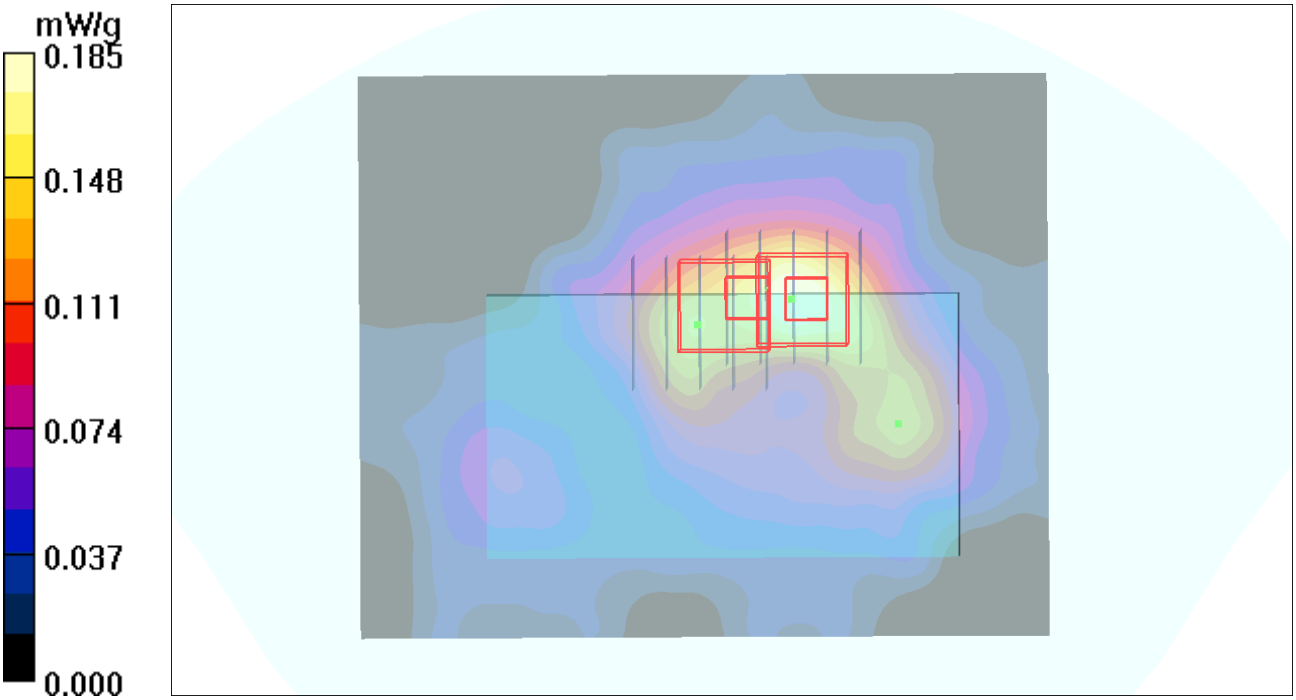
Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x111x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.83 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.080 mW/g
Maximum value of SAR (measured) = 0.191 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 1: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.83 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.068 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



P02 WiMAX_QPSK 5M_Rear Face_1cm_2600MHz_Ant-0

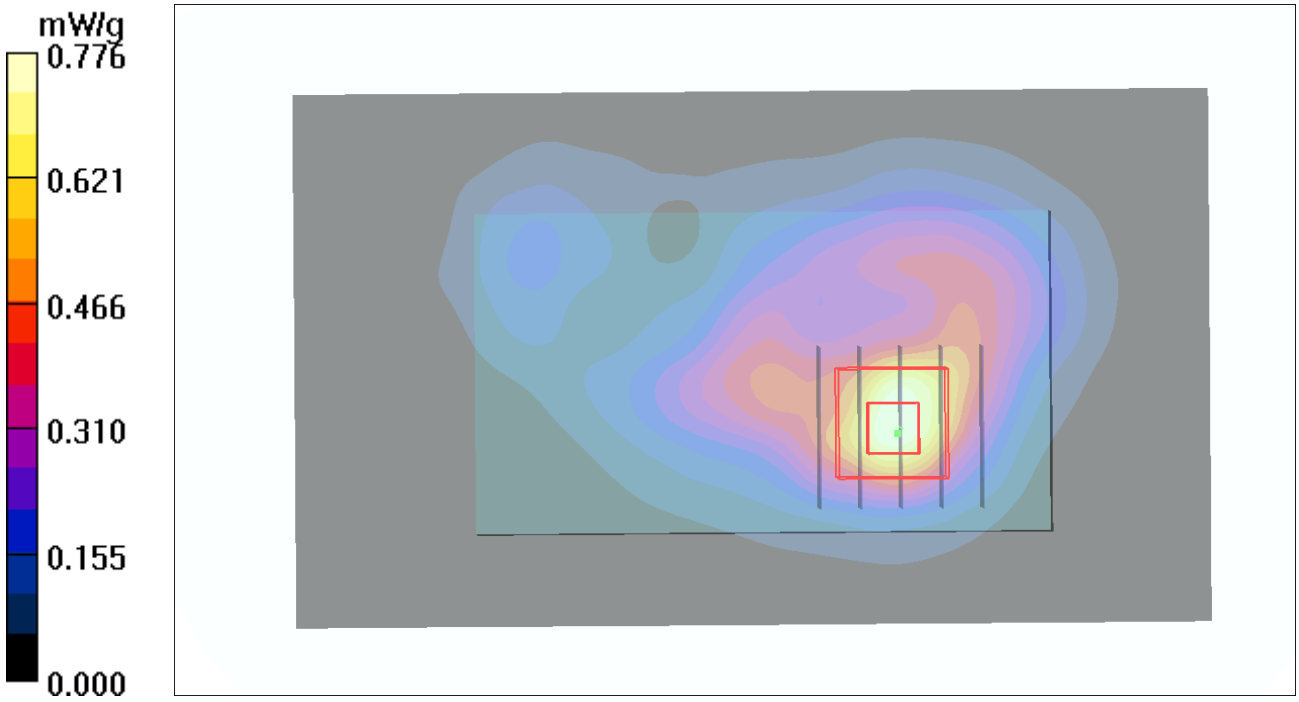
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.776 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.1 V/m; Power Drift = -0.122 dB
Peak SAR (extrapolated) = 1.74 W/kg
SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 0.948 mW/g



P03 WiMAX_QPSK 5M_Left Side_1cm_2600MHz_Ant-0

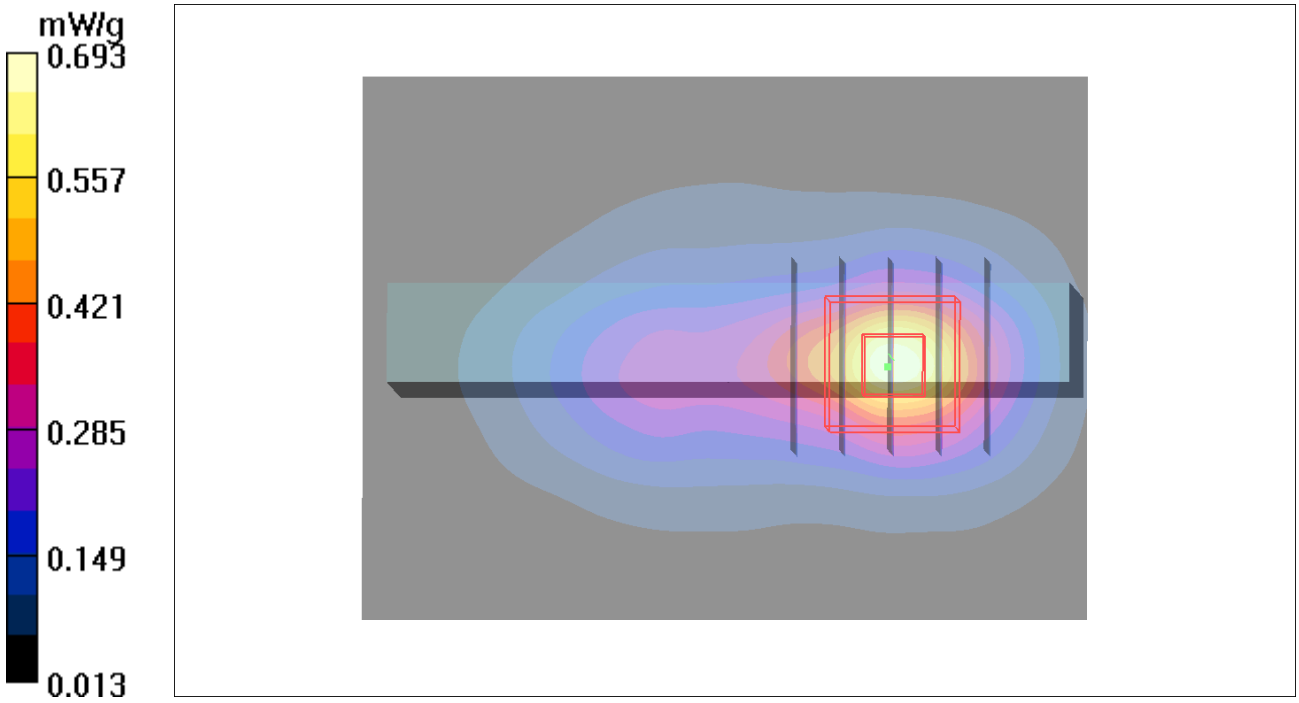
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.693 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.691 mW/g



P07 WiMAX_QPSK 5M_Bottom Side_1cm_2600MHz_Ant-1

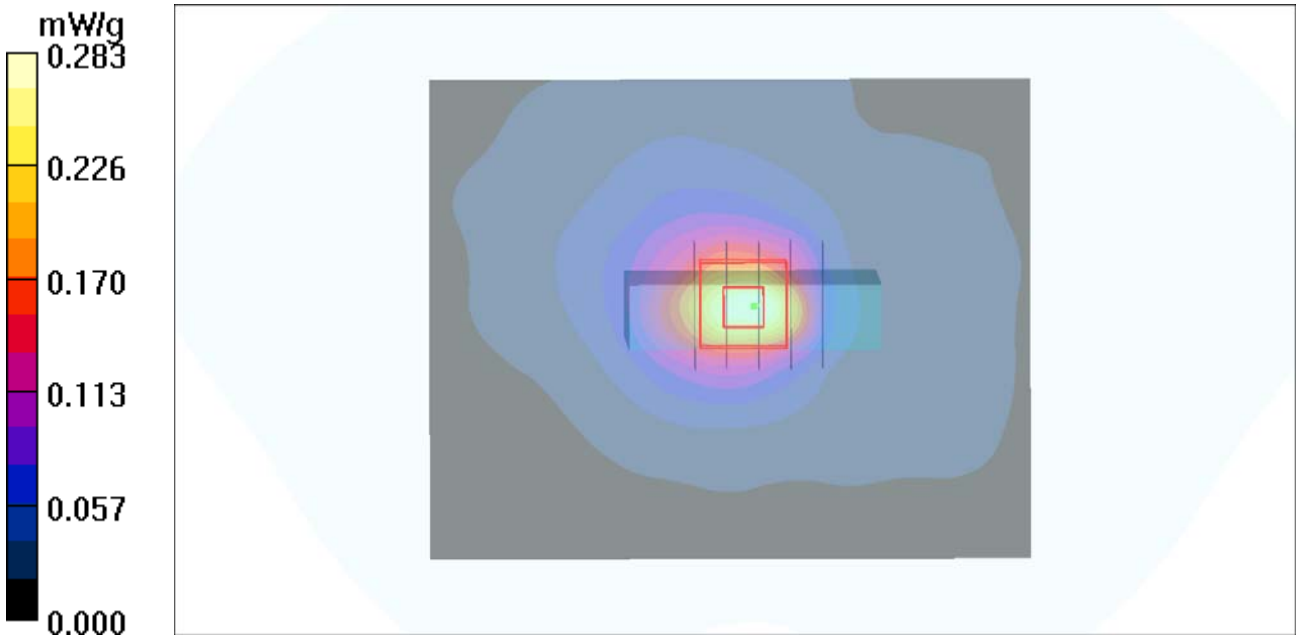
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Side/Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.283 mW/g

Bottom Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.4 V/m; Power Drift = -0.004 dB
Peak SAR (extrapolated) = 0.431 W/kg
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.287 mW/g



P04 WiMAX_QPSK 5M_Front Face_1cm_2600MHz_Ant-1

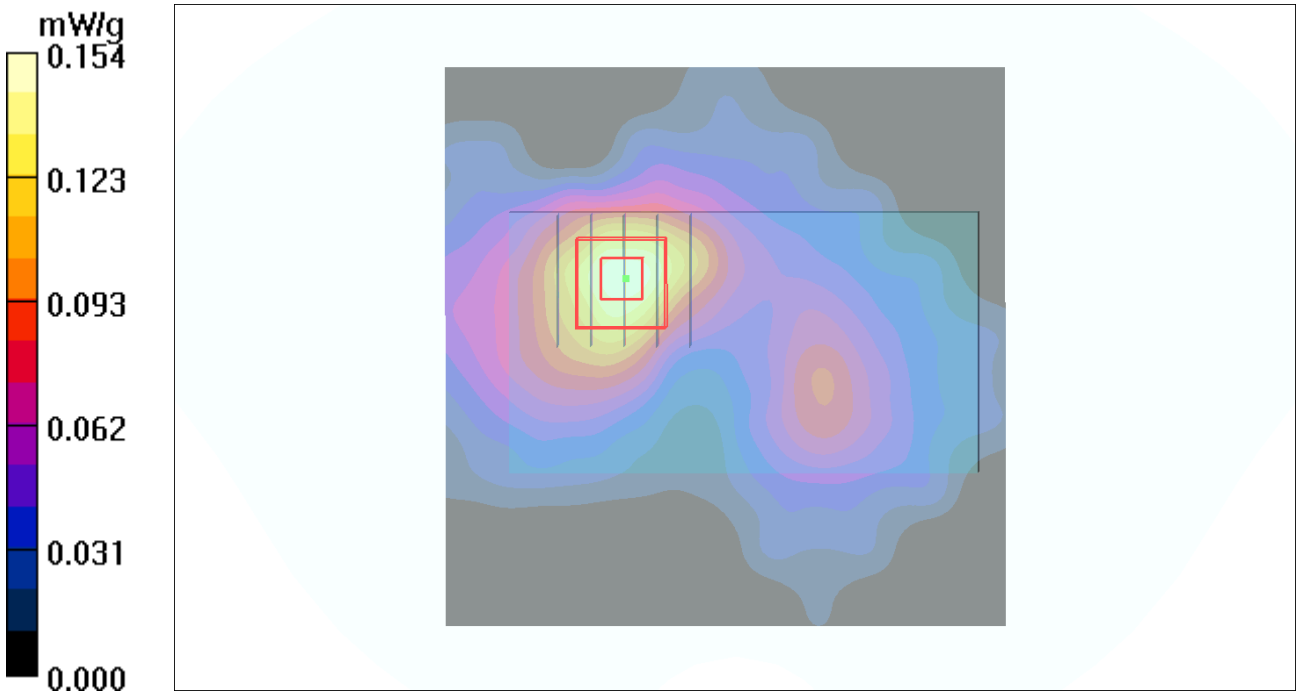
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.154 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.20 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.066 mW/g
Maximum value of SAR (measured) = 0.150 mW/g



P05 WiMAX_QPSK 5M_Rear Face_1cm_2600MHz_Ant-1

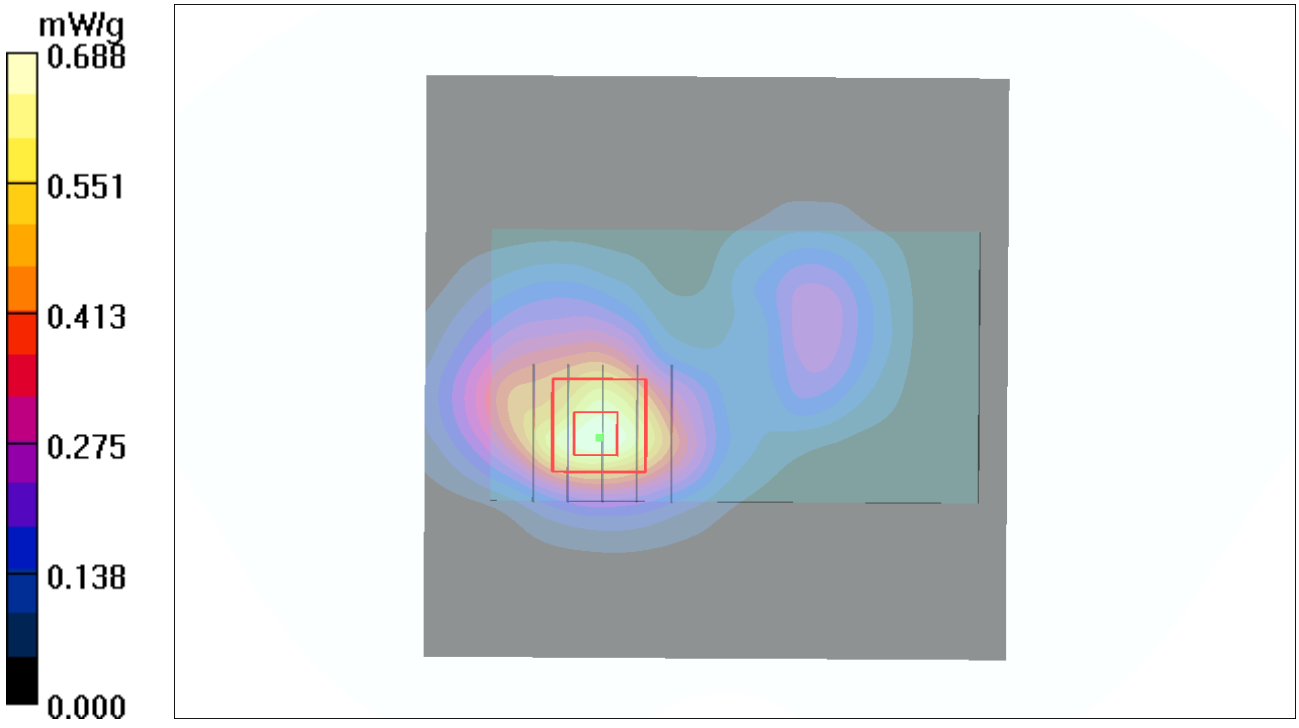
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.688 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.03 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.275 mW/g
Maximum value of SAR (measured) = 0.696 mW/g



P06 WiMAX_QPSK 5M_Left Side_1cm_2600MHz_Ant-1

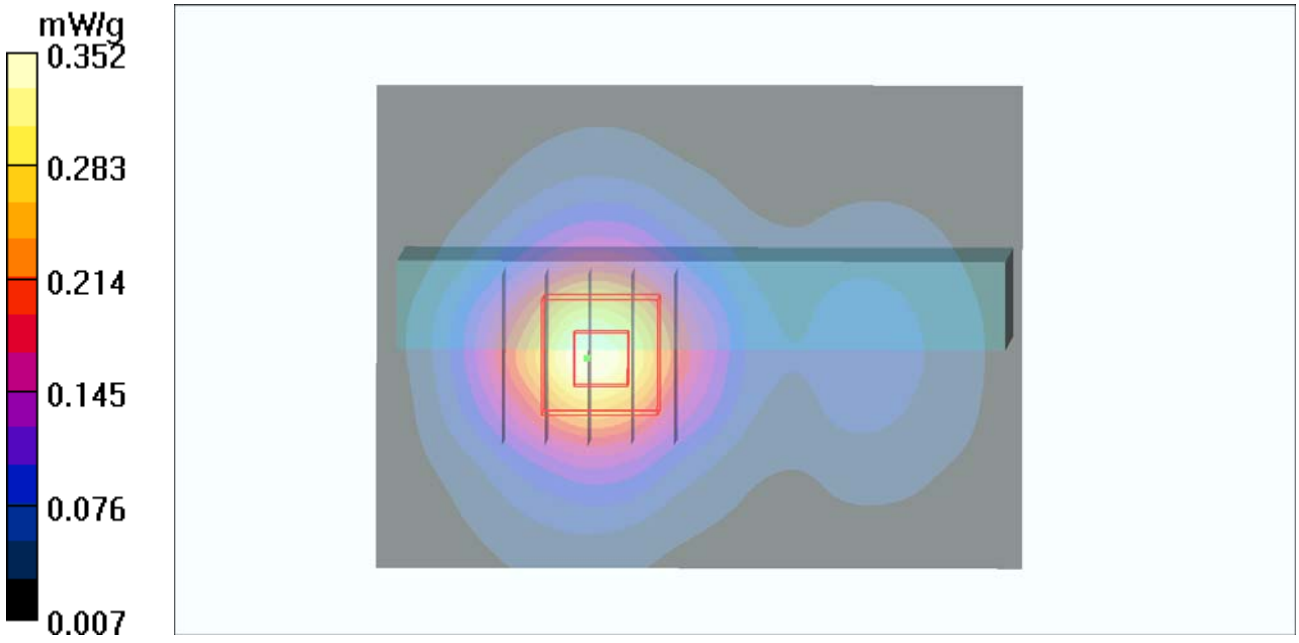
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.352 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.55 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.555 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.131 mW/g
Maximum value of SAR (measured) = 0.333 mW/g



P08 WiMAX_QPSK 10M_Front Face_1cm_2600MHz_Ant-0

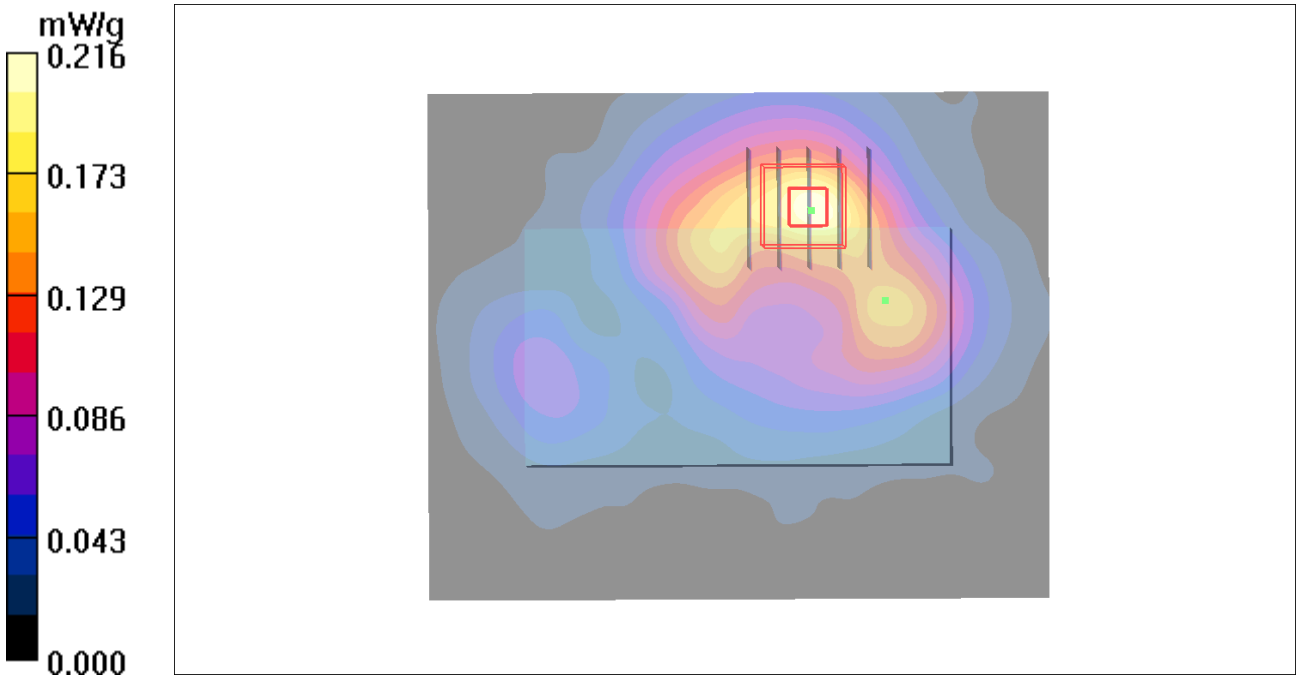
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.216 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.29 V/m; Power Drift = 0.191 dB
Peak SAR (extrapolated) = 0.307 W/kg
SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.214 mW/g



P09 WiMAX_QPSK 10M_Rear Face_1cm_2600MHz_Ant-0

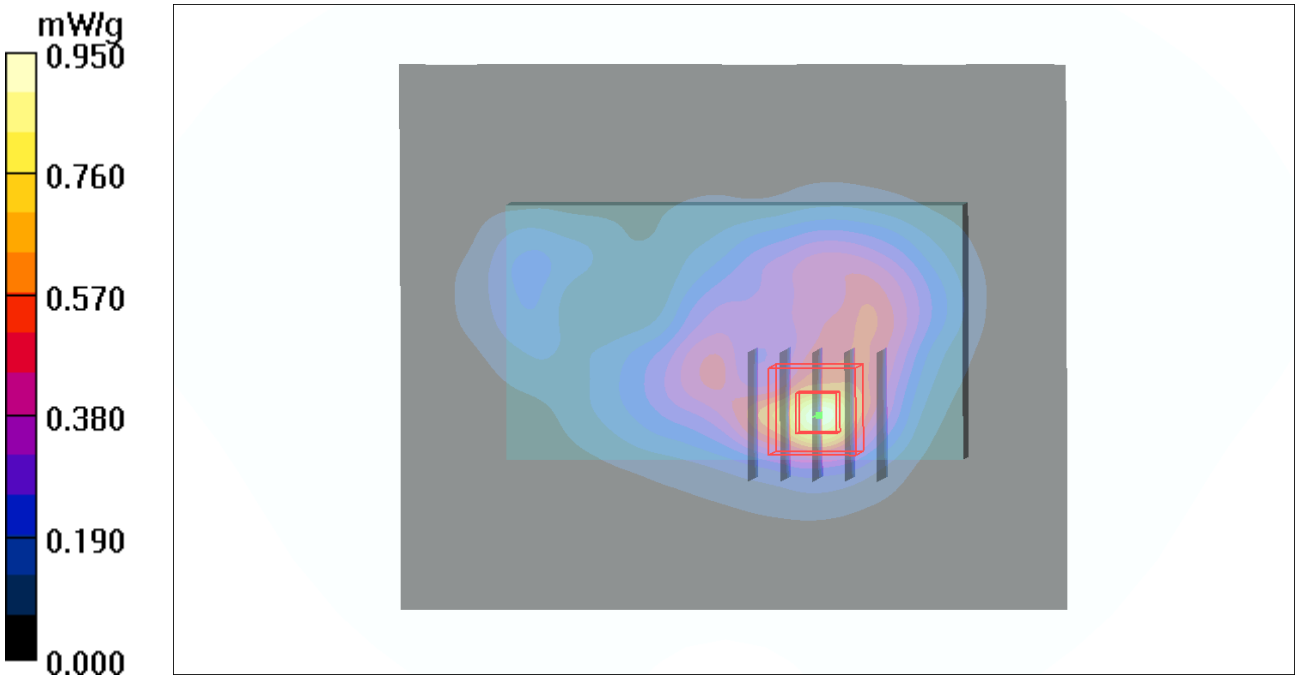
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.950 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.8 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.610 mW/g; SAR(10 g) = 0.262 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



P10 WiMAX_QPSK 10M_Left Side_1cm_2600MHz_Ant-0

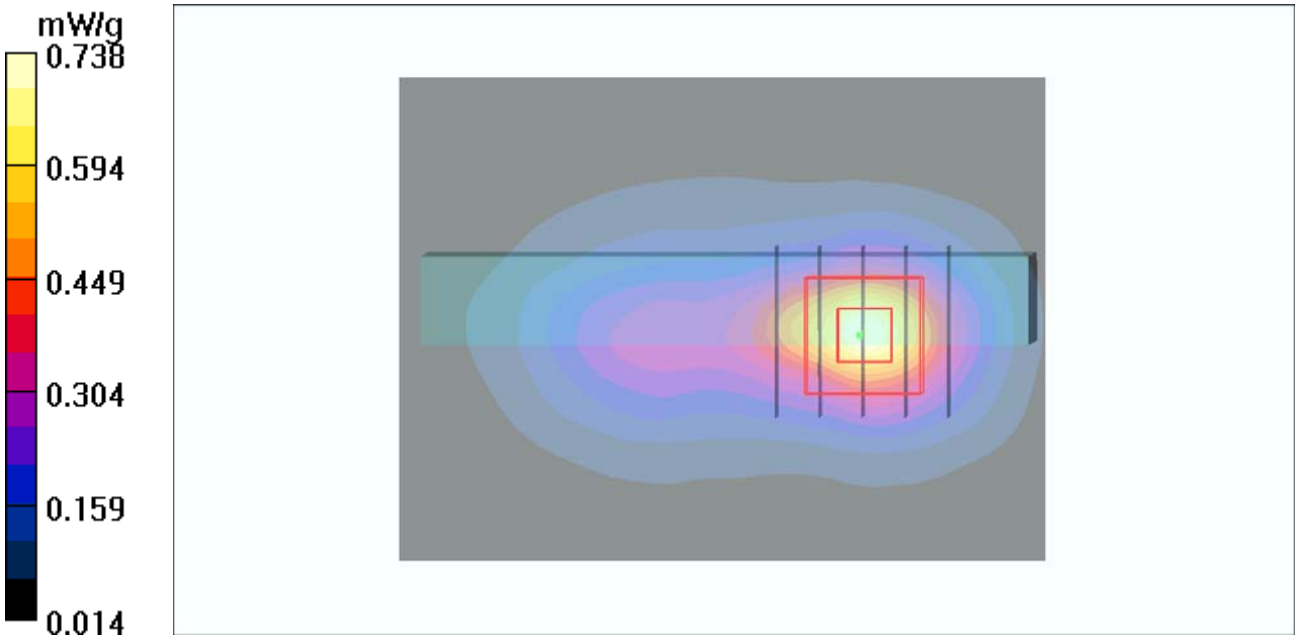
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.738 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.739 mW/g



P14 WiMAX_QPSK 10M_Bottom Side_1cm_2600MHz_Ant-1

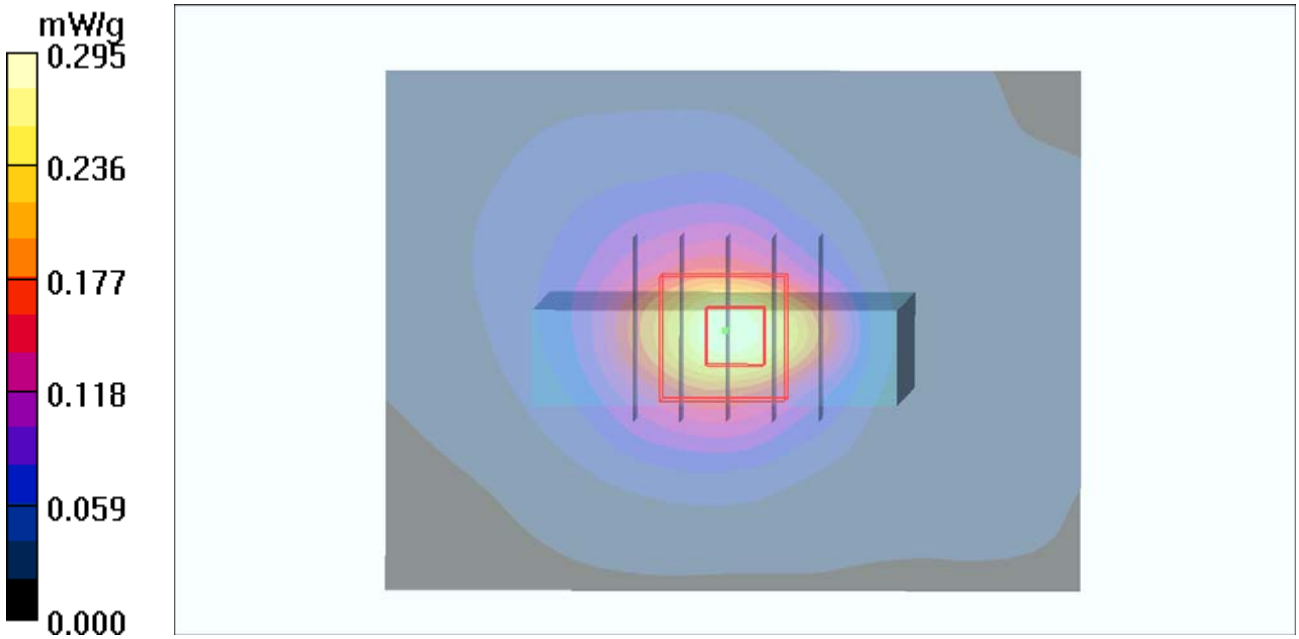
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.295 mW/g

Bottom Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.3 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.428 W/kg
SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.288 mW/g



P11 WiMAX_QPSK 10M_Front Face_1cm_2600MHz_Ant-1

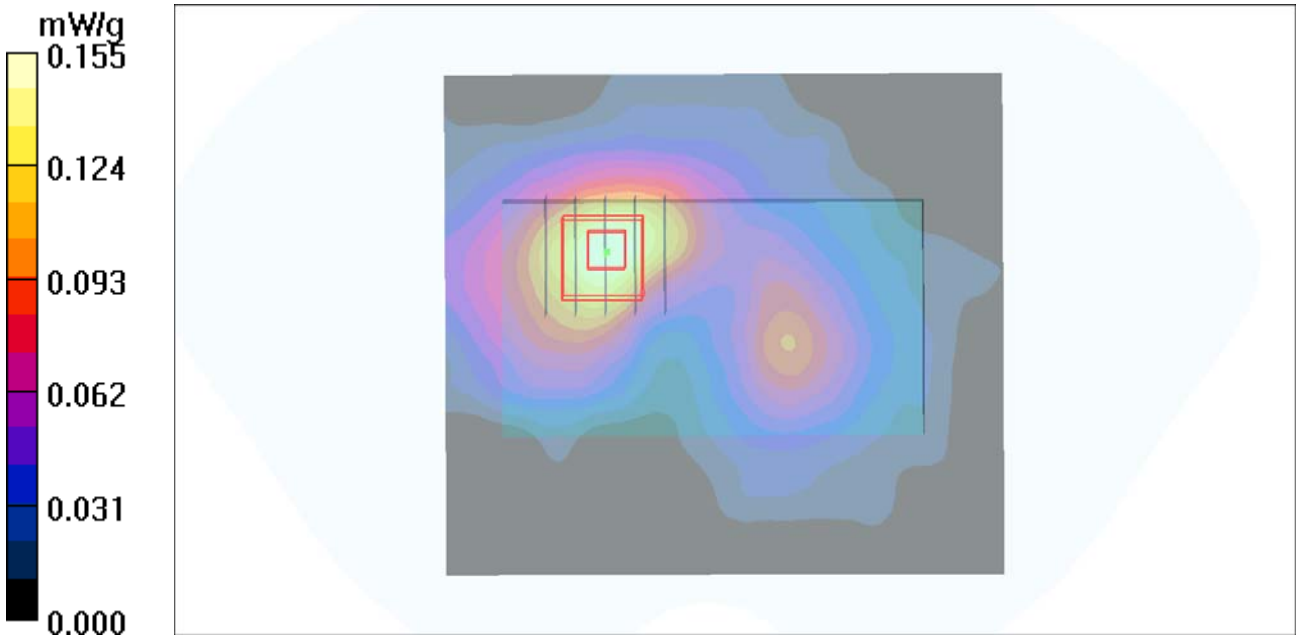
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.155 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.12 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 0.228 W/kg
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.058 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



P12 WiMAX_QPSK 10M_Rear Face_1cm_2600MHz_Ant-1

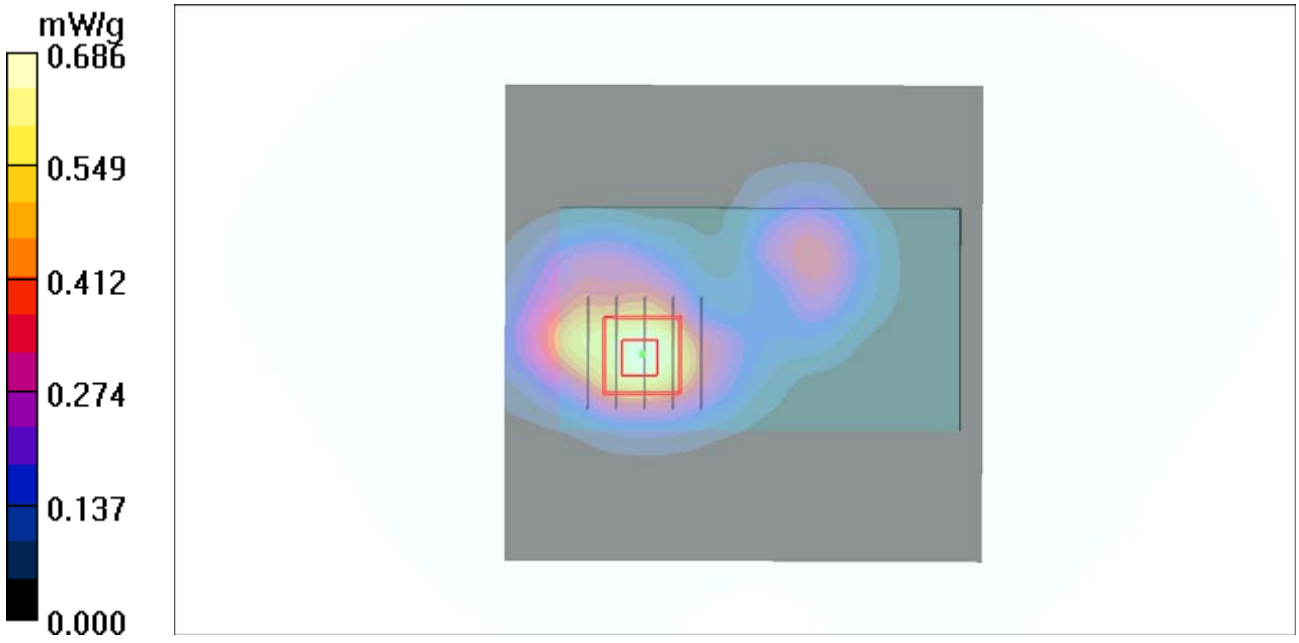
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.686 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.23 V/m; Power Drift = 0.006 dB
Peak SAR (extrapolated) = 0.988 W/kg
SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.234 mW/g
Maximum value of SAR (measured) = 0.678 mW/g



P13 WiMAX_QPSK 10M_Left Side_1cm_2600MHz_Ant-1

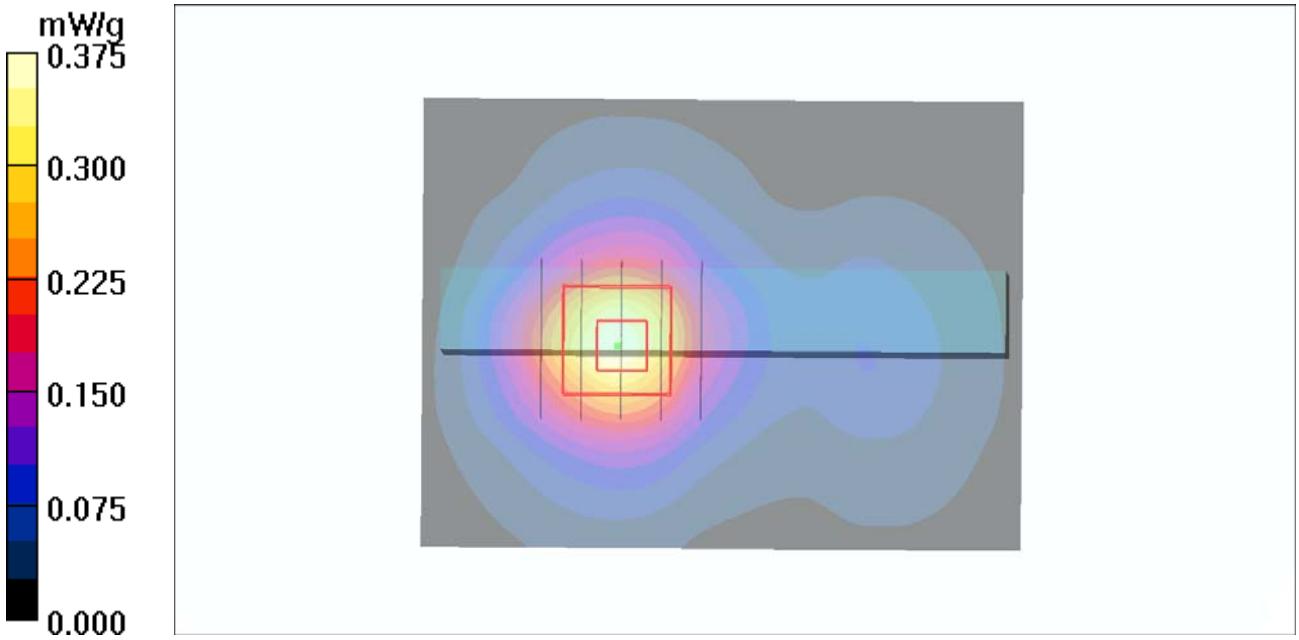
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012/01/27
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.375 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.11 V/m; Power Drift = 0.092 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.283 mW/g; SAR(10 g) = 0.142 mW/g
Maximum value of SAR (measured) = 0.359 mW/g



P31 WiMAX_QPSK 5M_Front Face_1cm_2600MHz_Ant-0

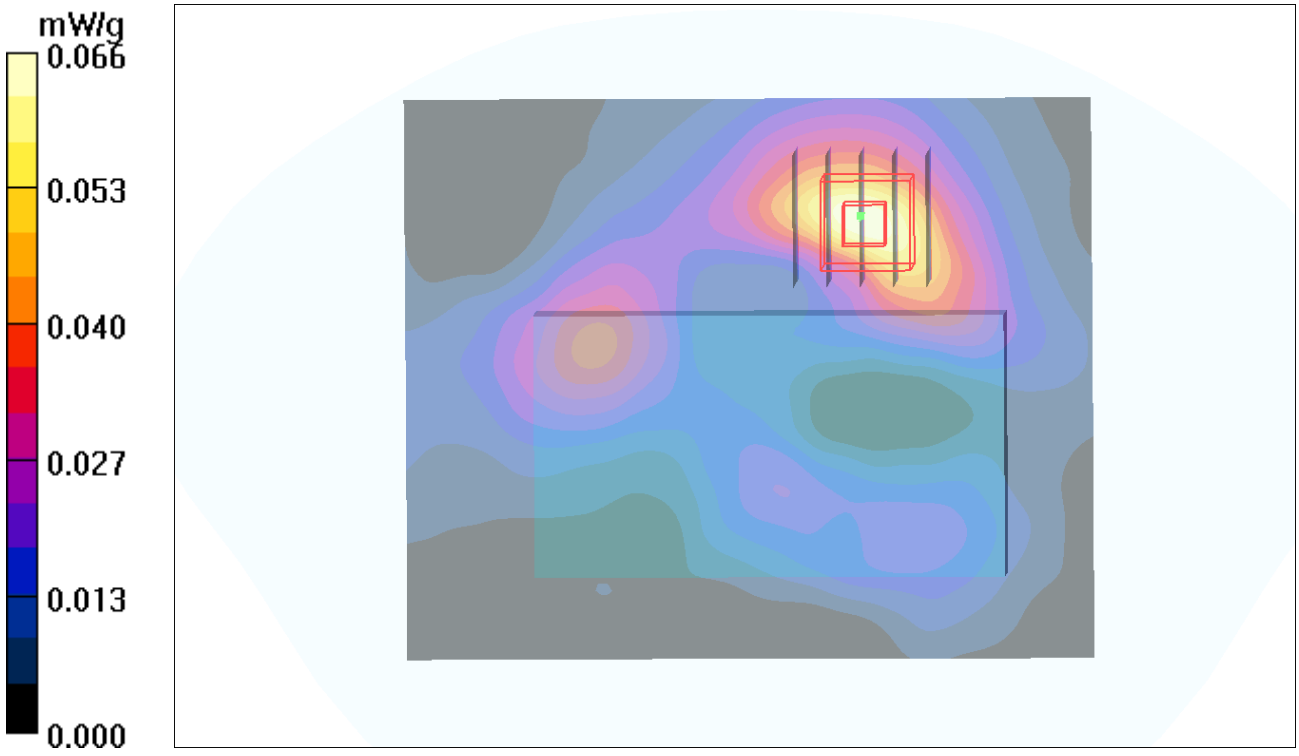
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x111x1): Measurement grid:
dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.066 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid:
dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.99 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 0.120 W/kg
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



P32 WiMAX_QPSK 5M_Rear Face_1cm_2600MHz_Ant-0

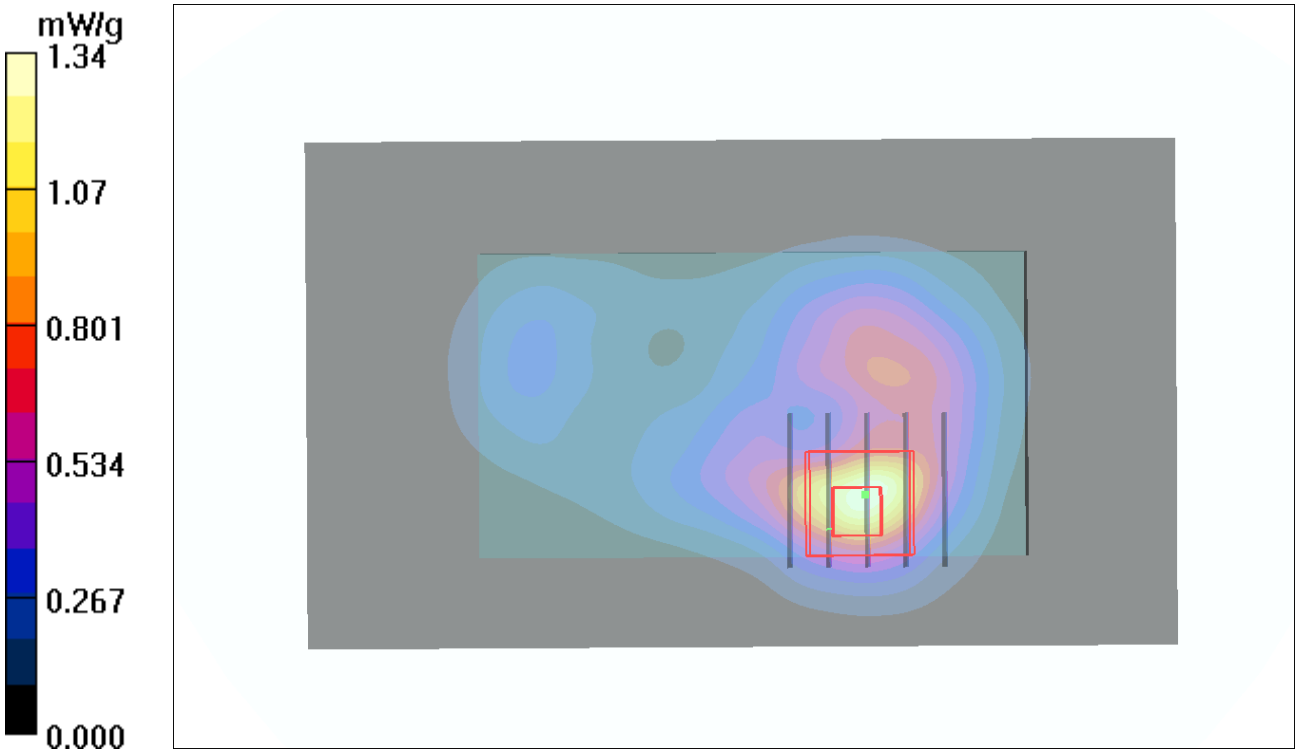
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.34 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = -0.074 dB
Peak SAR (extrapolated) = 2.93 W/kg
SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.439 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



P33 WiMAX_QPSK 5M_Left Side_1cm_2600MHz_Ant-0

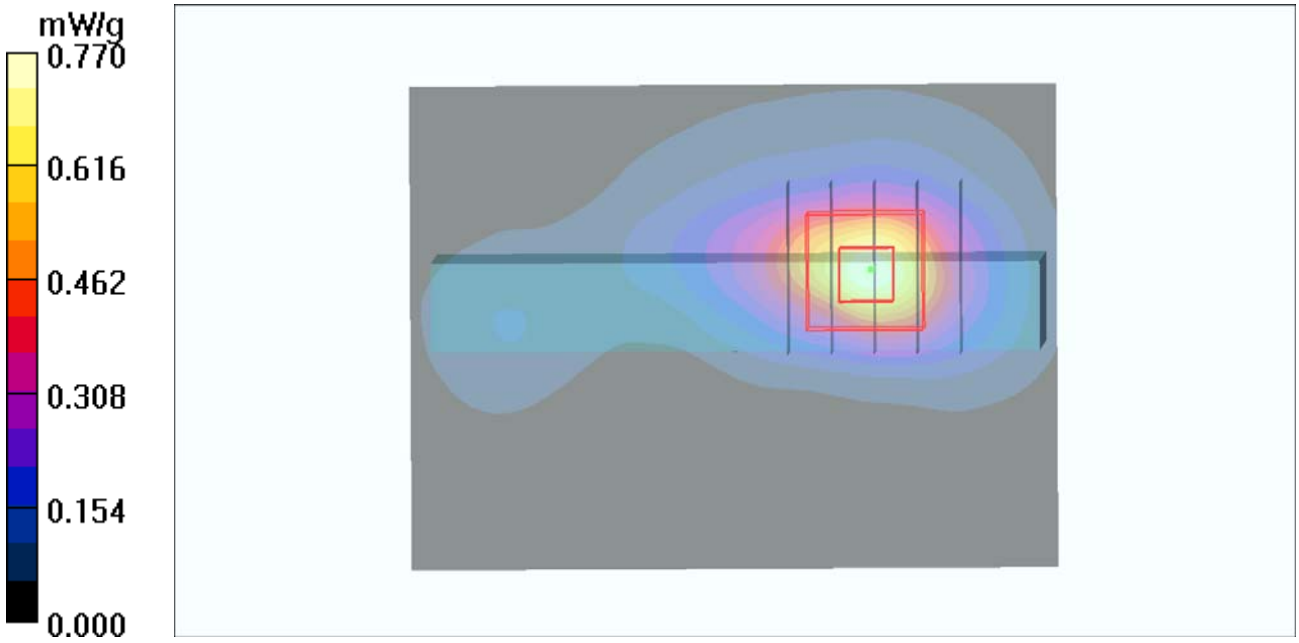
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.770 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.26 V/m; Power Drift = 0.032 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.279 mW/g
Maximum value of SAR (measured) = 0.817 mW/g



P34 WiMAX_QPSK 5M_Rear Face_1cm_2499MHz_Ant-0

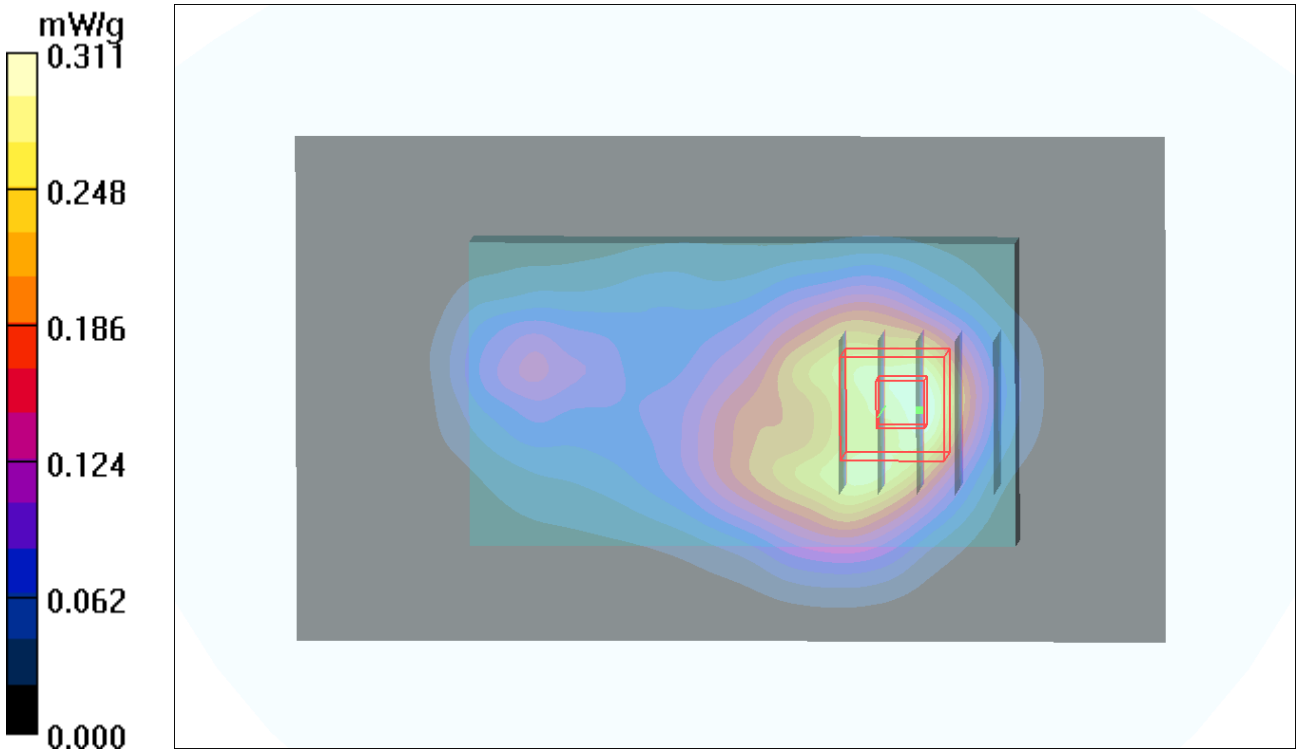
DUT: 120816C10

Communication System: WIMAX; Frequency: 2499 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2499 MHz; σ = 2.07 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.311 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.58 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 0.480 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.123 mW/g
Maximum value of SAR (measured) = 0.283 mW/g



P35 WiMAX_QPSK 5M_Rear Face_1cm_2686.75MHz_Ant-0

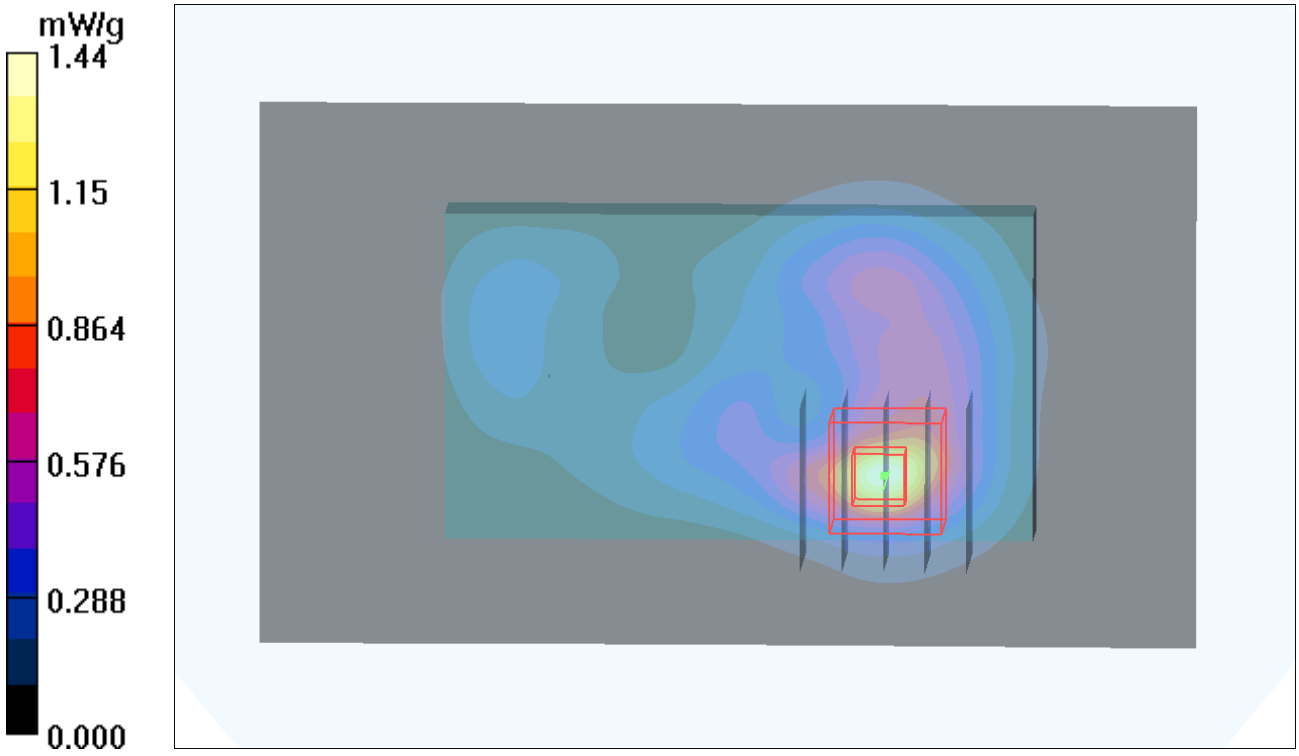
DUT: 120816C10

Communication System: WIMAX; Frequency: 2686.75 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2686.75 MHz; σ = 2.31 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.44 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.103 dB
Peak SAR (extrapolated) = 2.68 W/kg
SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.412 mW/g
Maximum value of SAR (measured) = 1.36 mW/g



P36 WiMAX_16QAM 5M_Rear Face_1cm_2600MHz_Ant-0

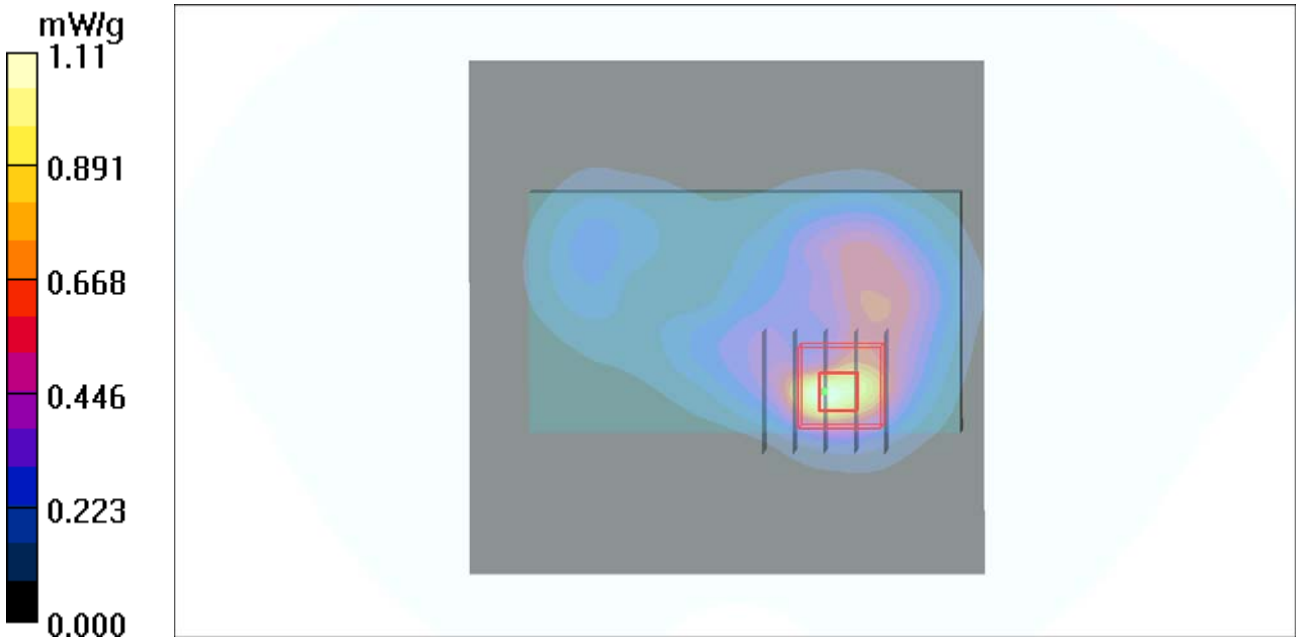
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 2.35 W/kg
SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.372 mW/g
Maximum value of SAR (measured) = 1.19 mW/g



P37 WiMAX_64QAM 5M_Rear Face_1cm_2600MHz_Ant-0

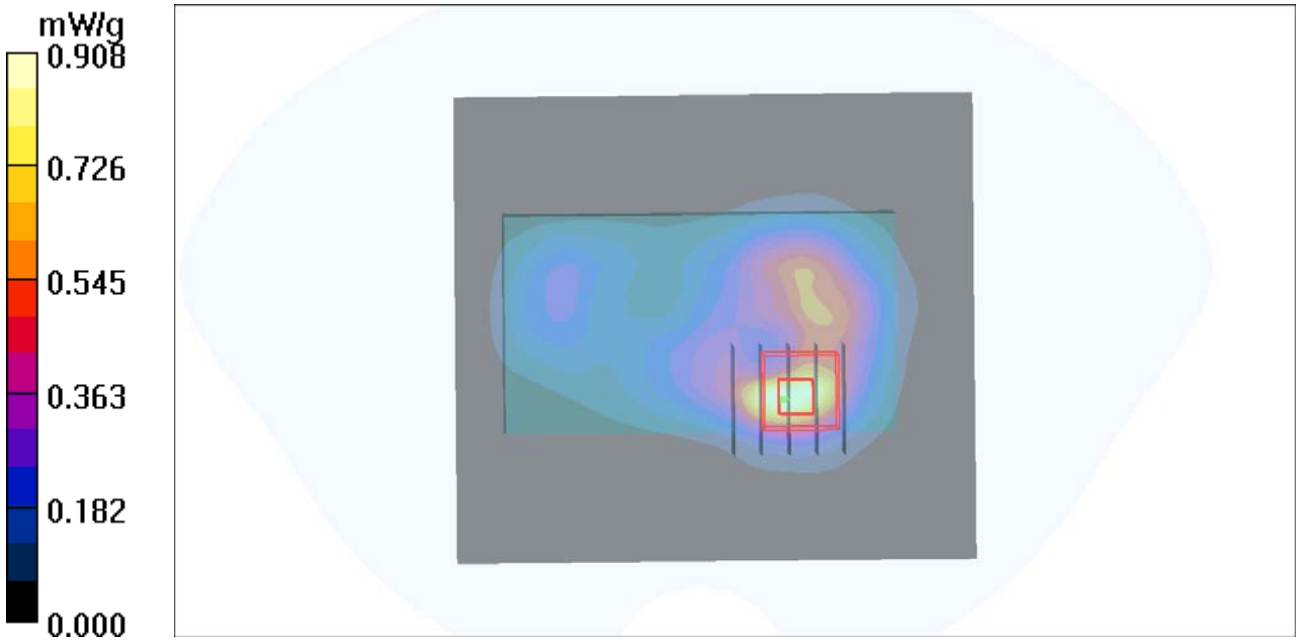
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.908 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.929 mW/g



P41 WiMAX_QPSK 5M_Bottom Side_1cm_2600MHz_Ant-1

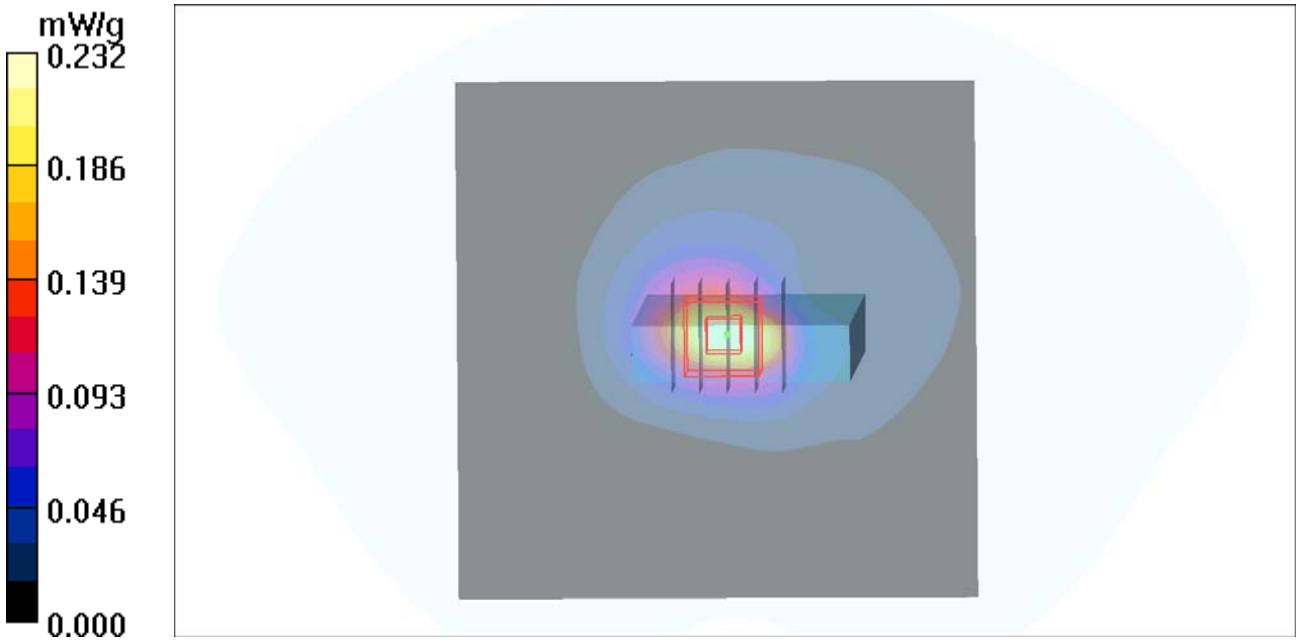
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Side/Area Scan (101x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.232 mW/g

Bottom Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.28 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 0.420 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.228 mW/g



P38 WiMAX_QPSK 5M_Front Face_1cm_2600MHz_Ant-1

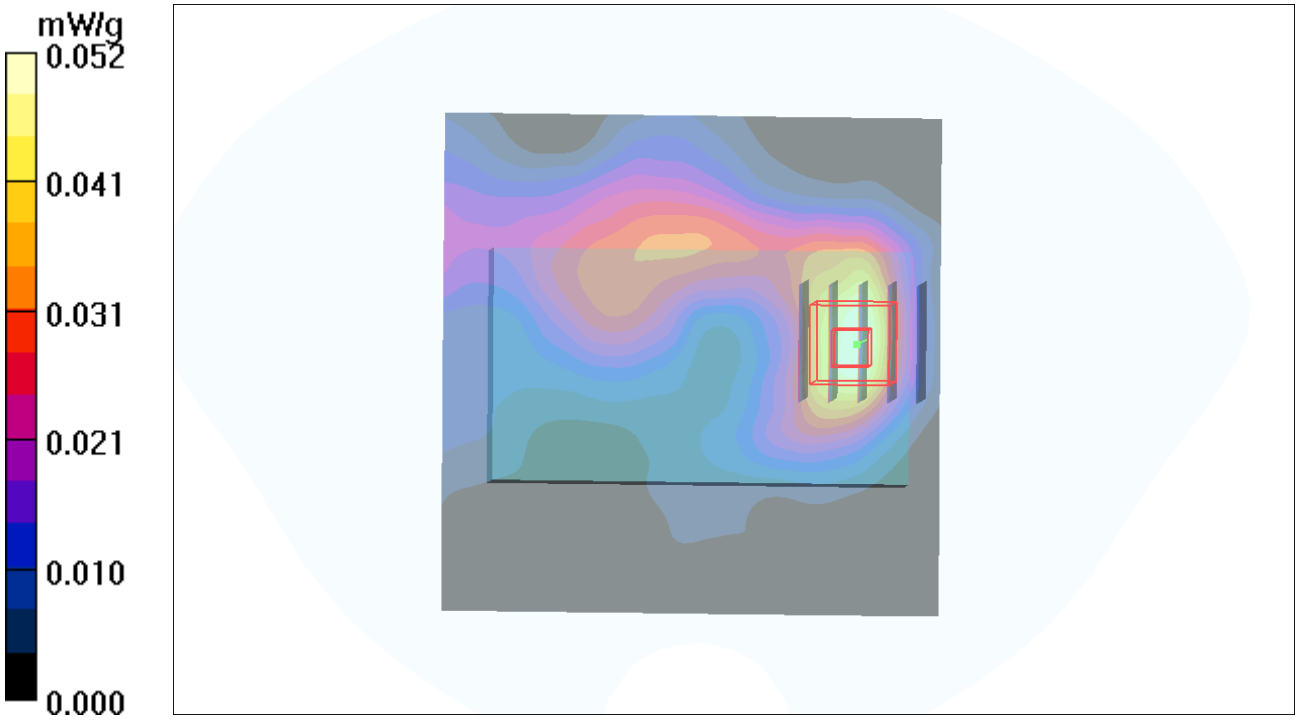
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.052 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.90 V/m; Power Drift = -0.094 dB
Peak SAR (extrapolated) = 0.087 W/kg
SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.019 mW/g
Maximum value of SAR (measured) = 0.051 mW/g



P39 WiMAX_QPSK 5M_Rear Face_1cm_2600MHz_Ant-1

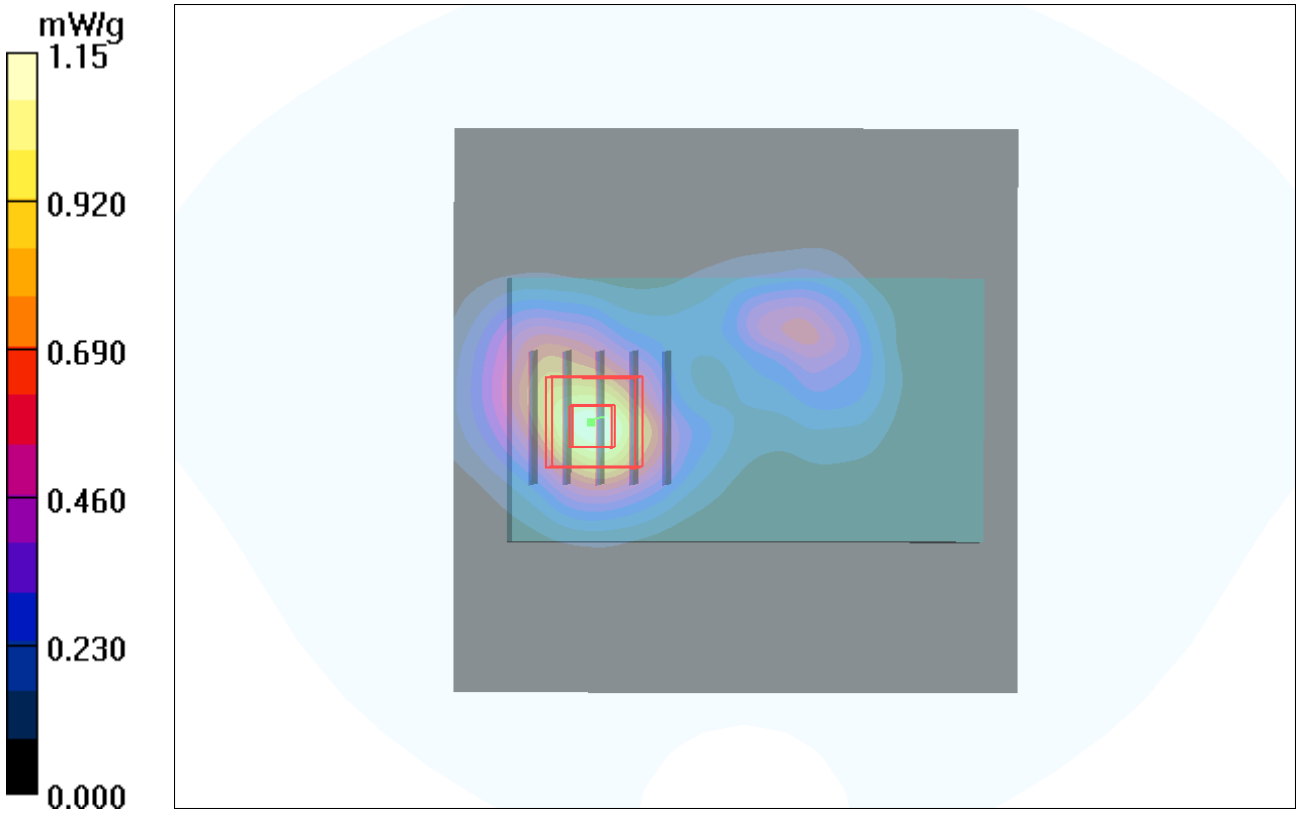
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.31 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.426 mW/g
Maximum value of SAR (measured) = 1.03 mW/g



P40 WiMAX_QPSK 5M_Left Side_1cm_2600MHz_Ant-1

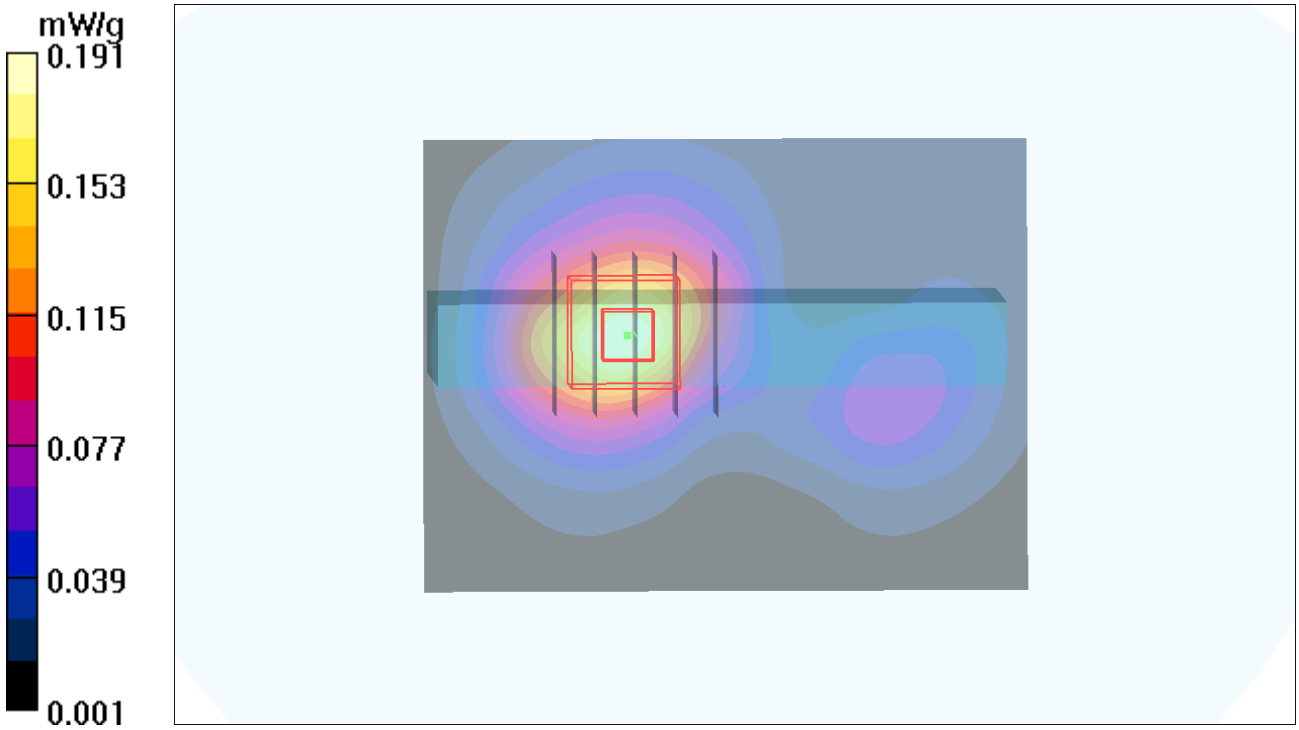
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.191 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.68 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 0.311 W/kg
SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.072 mW/g
Maximum value of SAR (measured) = 0.180 mW/g



P42 WiMAX_QPSK 5M_Rear Face_1cm_2499MHz_Ant-1

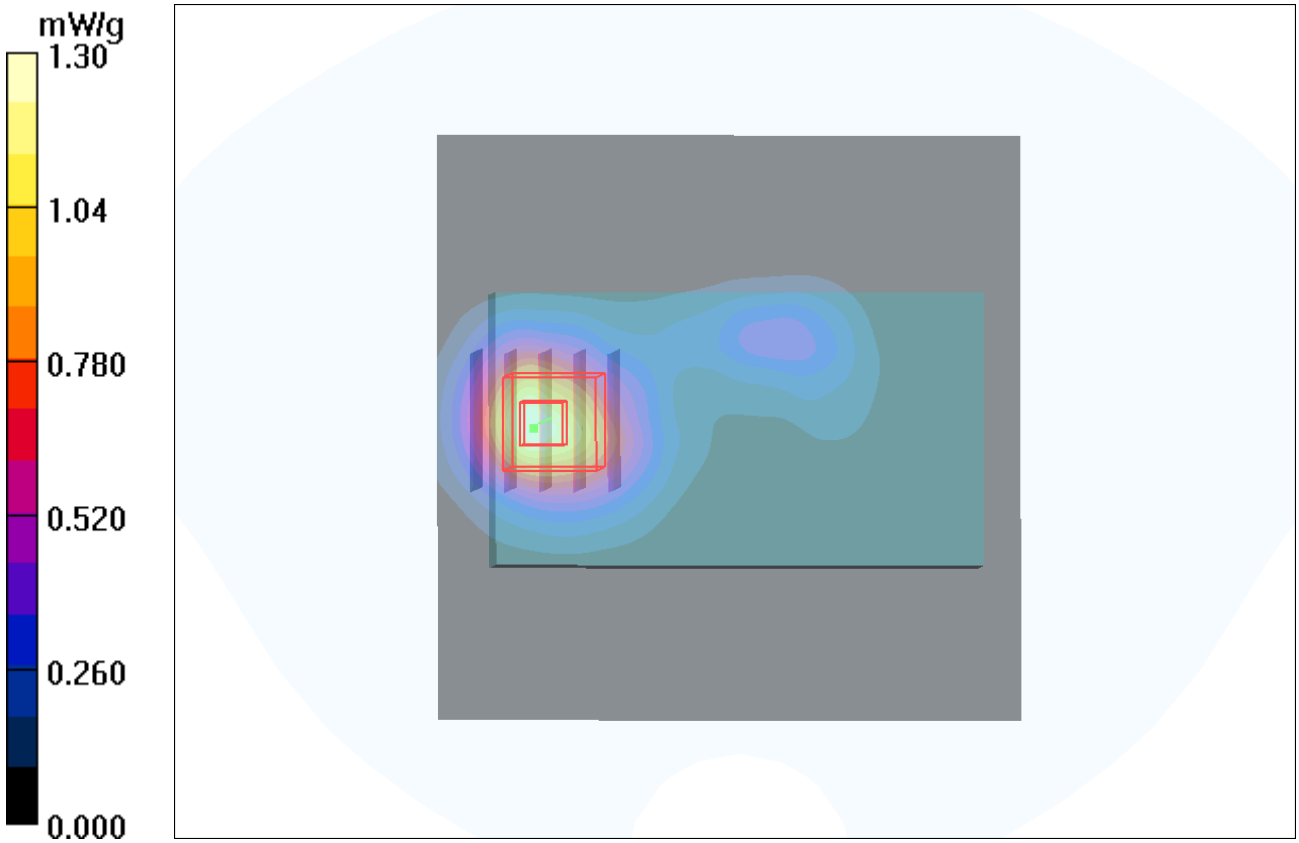
DUT: 120816C10

Communication System: WIMAX; Frequency: 2499 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2499 MHz; σ = 2.07 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face_QPSK12_10M 2/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.30 mW/g

Rear Face_QPSK12_10M 2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.91 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.468 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



P43 WiMAX_QPSK 5M_Rear Face_1cm_2686.75MHz_Ant-1

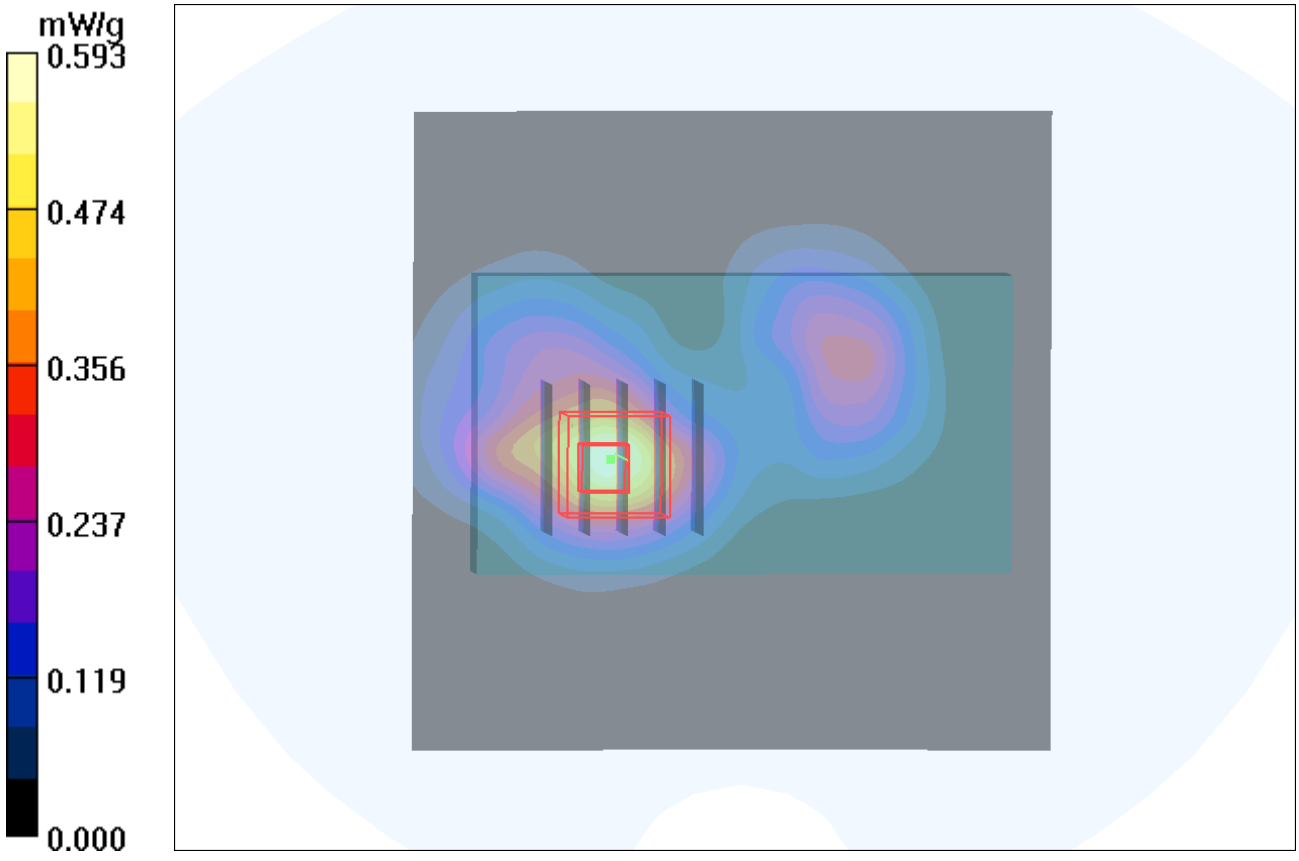
DUT: 120816C10

Communication System: WIMAX; Frequency: 2686.75 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2686.75 MHz; σ = 2.31 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.593 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.65 V/m; Power Drift = -0.113 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.218 mW/g
Maximum value of SAR (measured) = 0.551 mW/g



P44 WiMAX_16QAM 5M_Rear Face_1cm_2499MHz_Ant-1

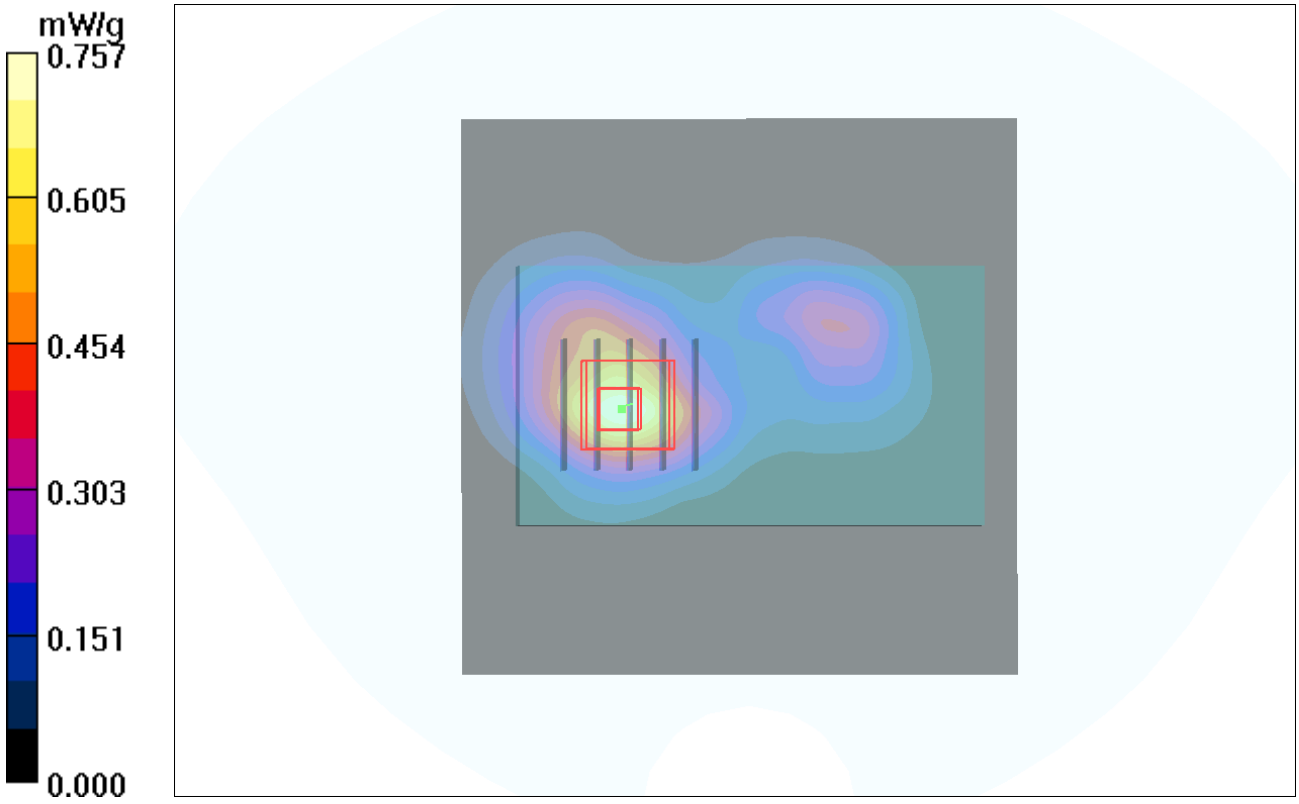
DUT: 120816C10

Communication System: WIMAX; Frequency: 2499 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2499 MHz; σ = 2.03 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：20.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.757 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.55 V/m; Power Drift = 0.201 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.734 mW/g



P45 WiMAX_64QAM 5M_Rear Face_1cm_2499MHz_Ant-1

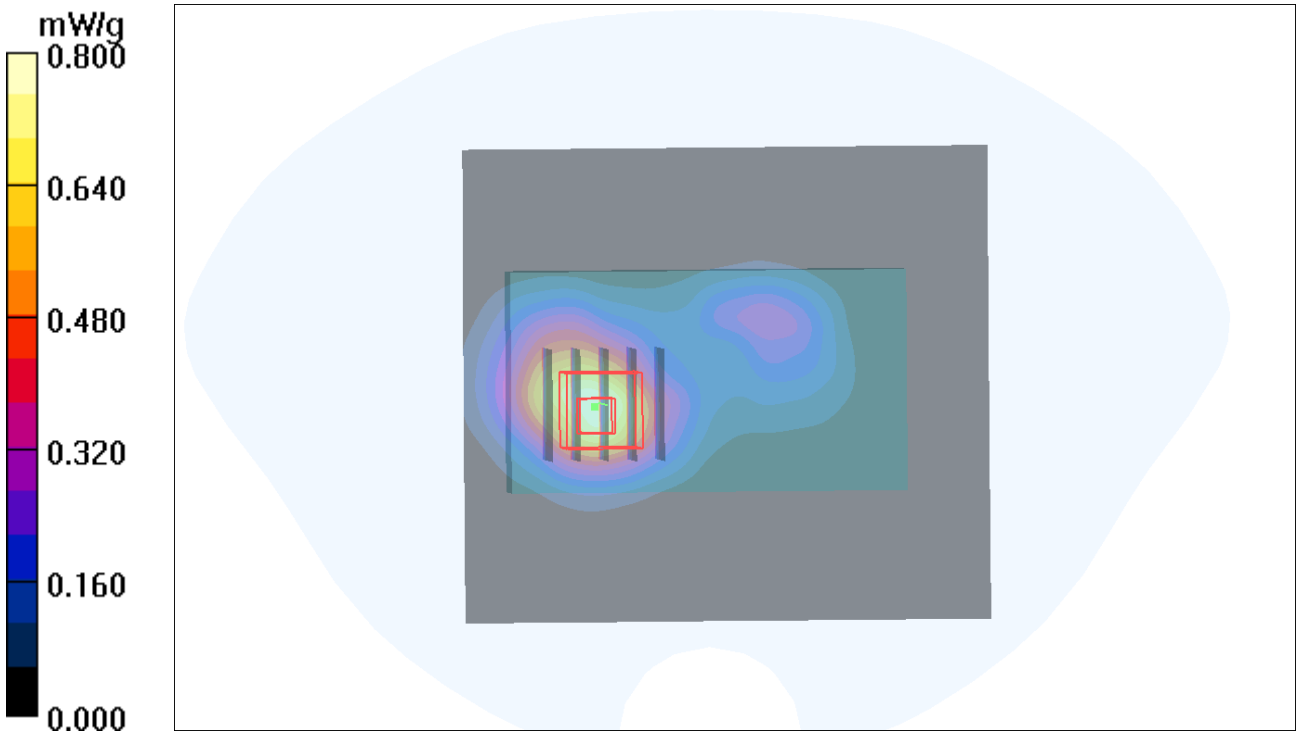
DUT: 120816C10

Communication System: WIMAX; Frequency: 2499 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2499 MHz; σ = 1.97 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(4.13, 4.13, 4.13); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.800 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.48 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.655 mW/g; SAR(10 g) = 0.318 mW/g
Maximum value of SAR (measured) = 0.800 mW/g



P46 WiMAX_QPSK 10M_Front Face_1cm_2600MHz_Ant-0

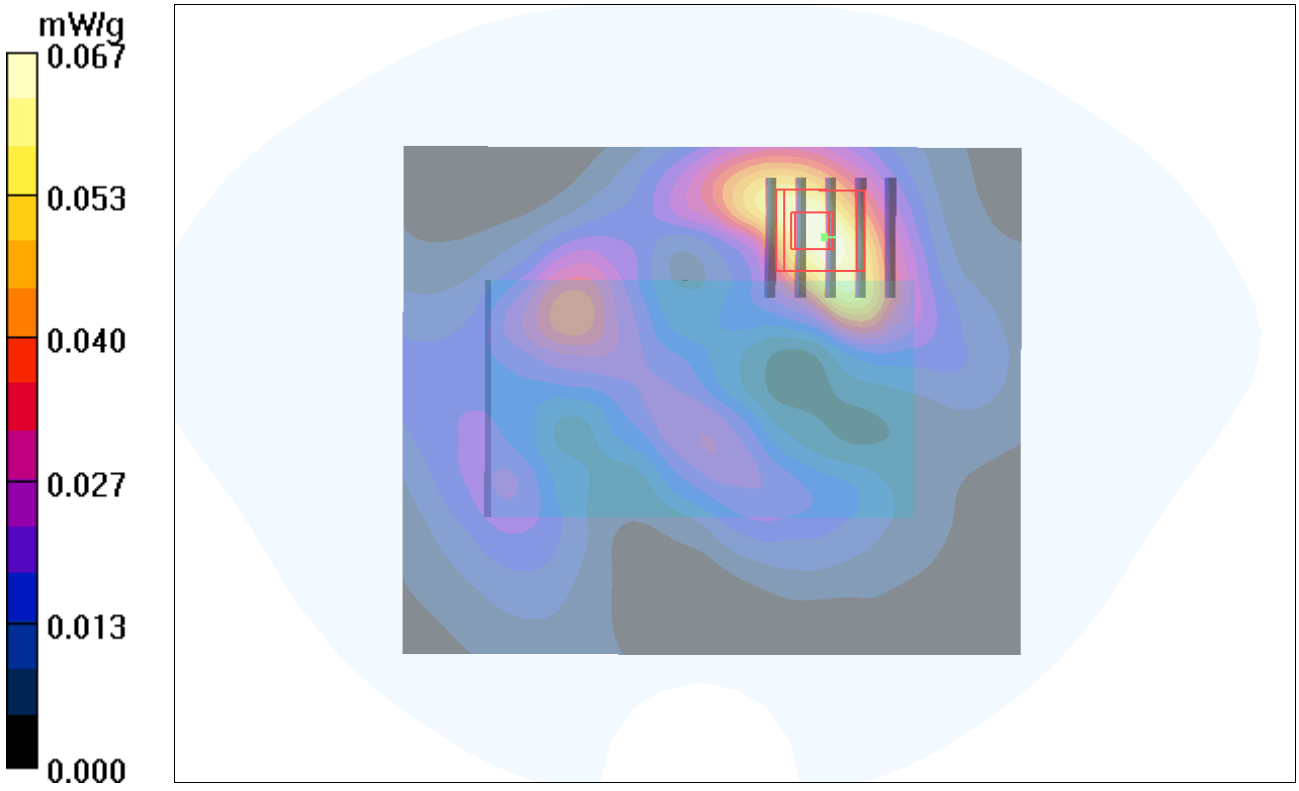
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.067 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.28 V/m; Power Drift = 0.090 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.068 mW/g



P47 WiMAX_QPSK 10M_Rear Face_1cm_2600MHz_Ant-0

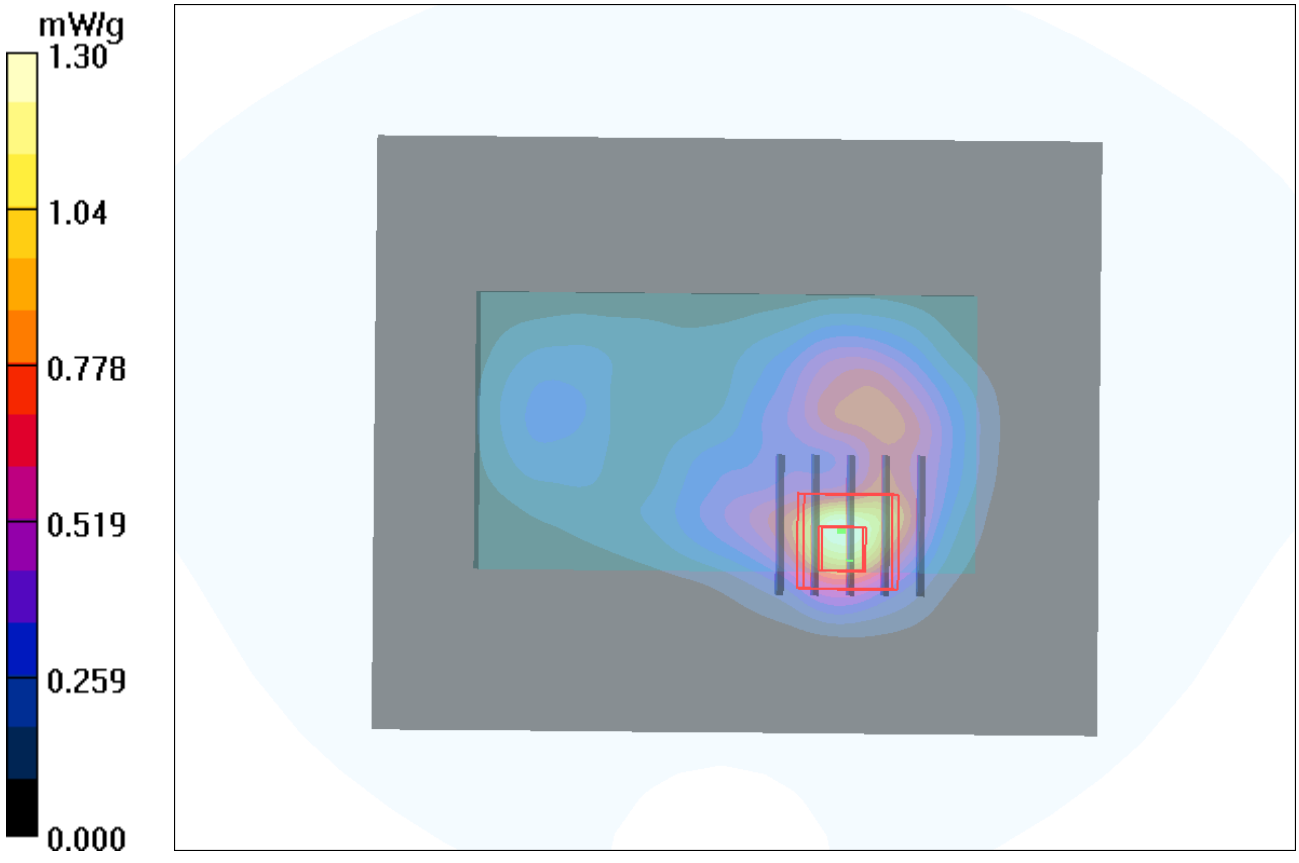
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.30 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.9 V/m; Power Drift = -0.191 dB
Peak SAR (extrapolated) = 2.67 W/kg
SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.409 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



P48 WiMAX_QPSK 10M_Left Side_1cm_2600MHz_Ant-0

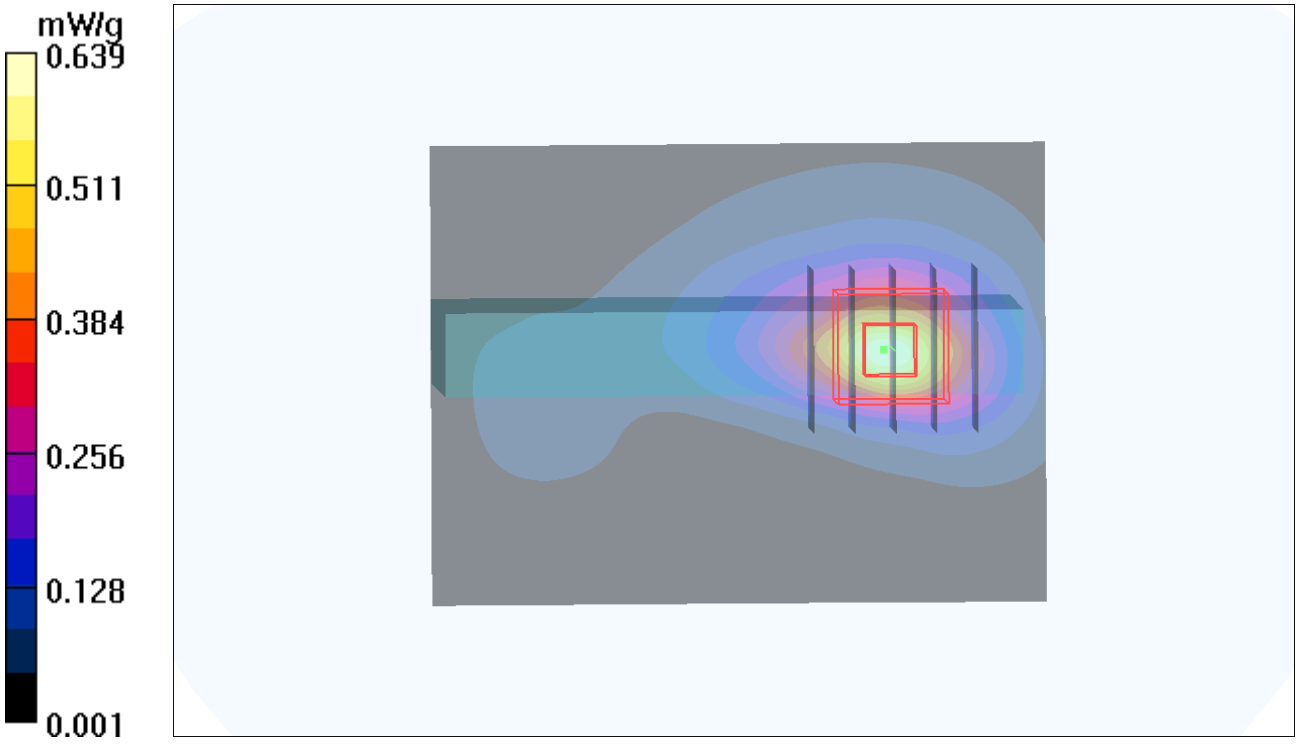
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.639 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.69 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.619 mW/g



P49 WiMAX_QPSK 10M_Rear Face_1cm_2508.5MHz_Ant-0

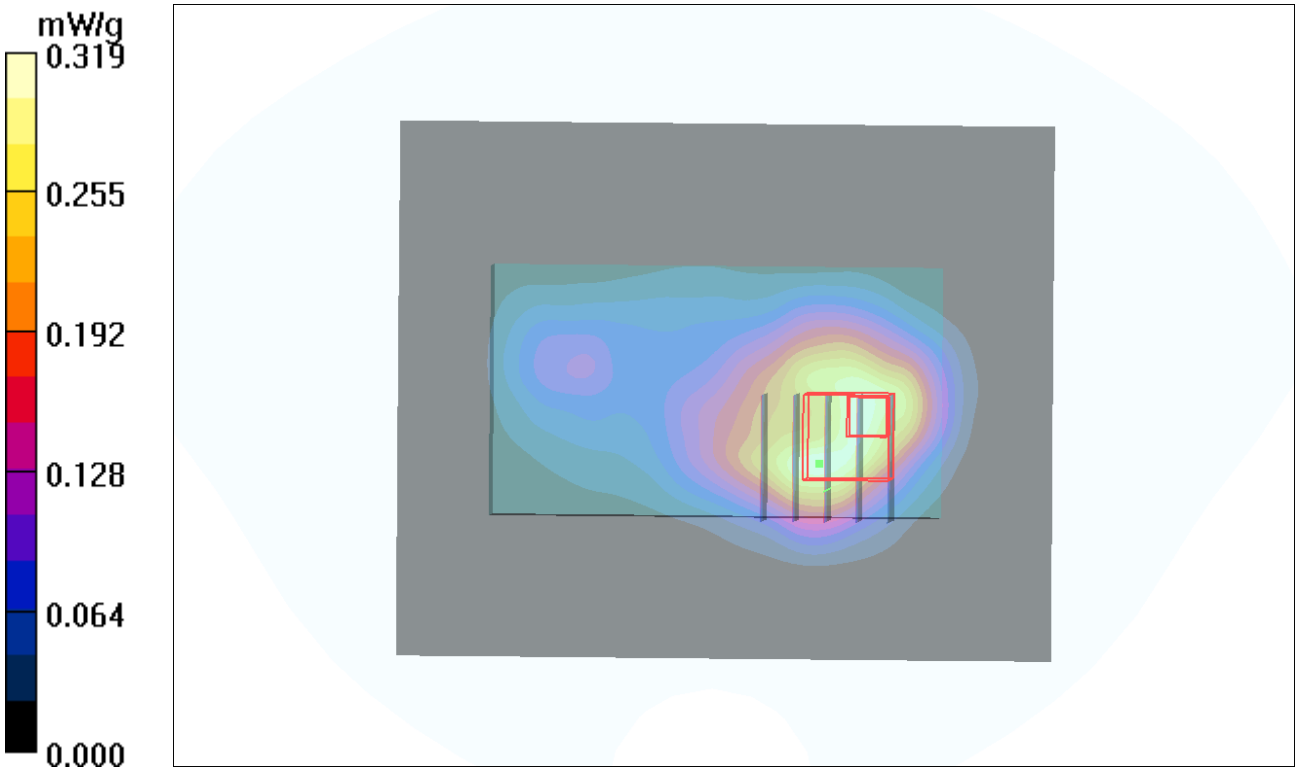
DUT: 120816C10

Communication System: WIMAX; Frequency: 2508.5 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2508.5 MHz; σ = 2.08 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.319 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.84 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 0.553 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.291 mW/g



P50 WiMAX_QPSK 10M_Rear Face_1cm_2683.5MHz_Ant-0

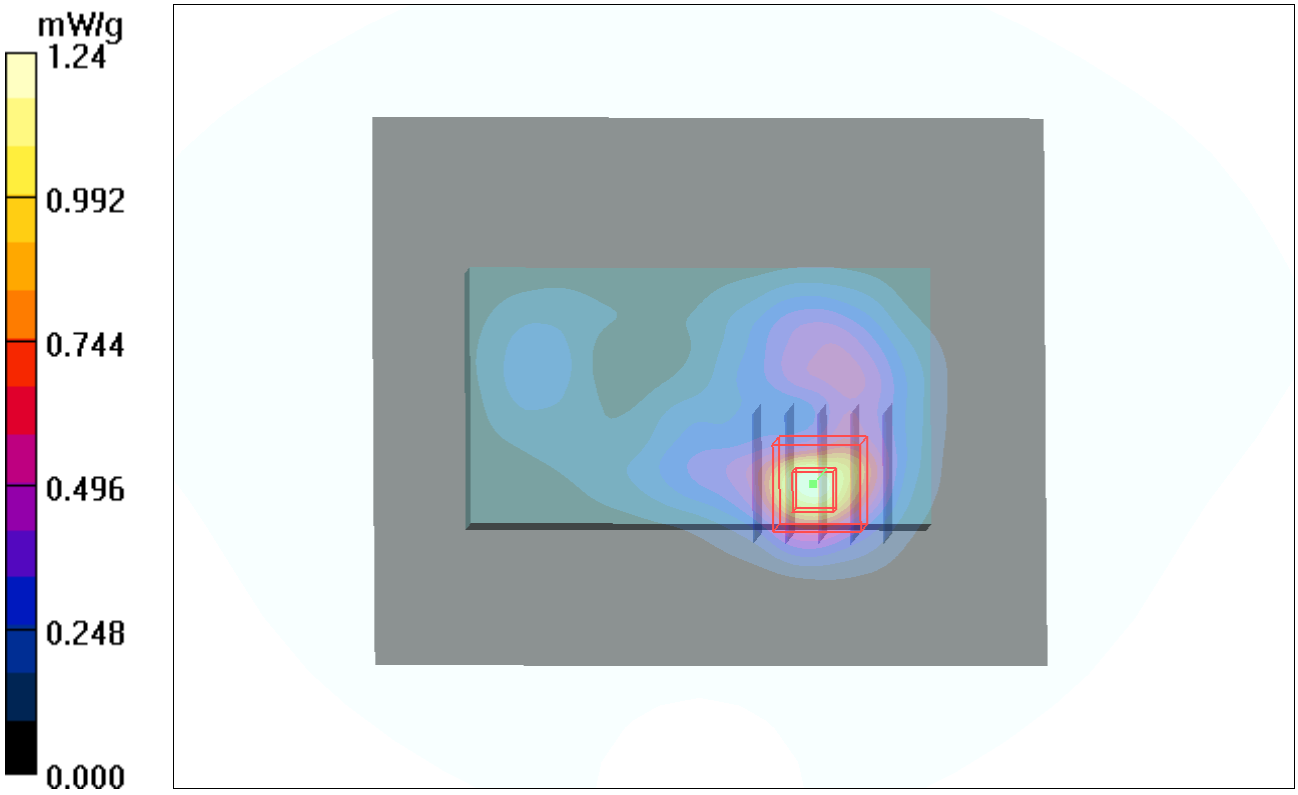
DUT: 120816C10

Communication System: WIMAX; Frequency: 2683.5 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2683.5 MHz; σ = 2.29 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.24 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 2.81 W/kg
SAR(1 g) = 0.980 mW/g; SAR(10 g) = 0.390 mW/g
Maximum value of SAR (measured) = 1.27 mW/g



P51 WiMAX_16QAM 10M_Rear Face_1cm_2600MHz_Ant-0

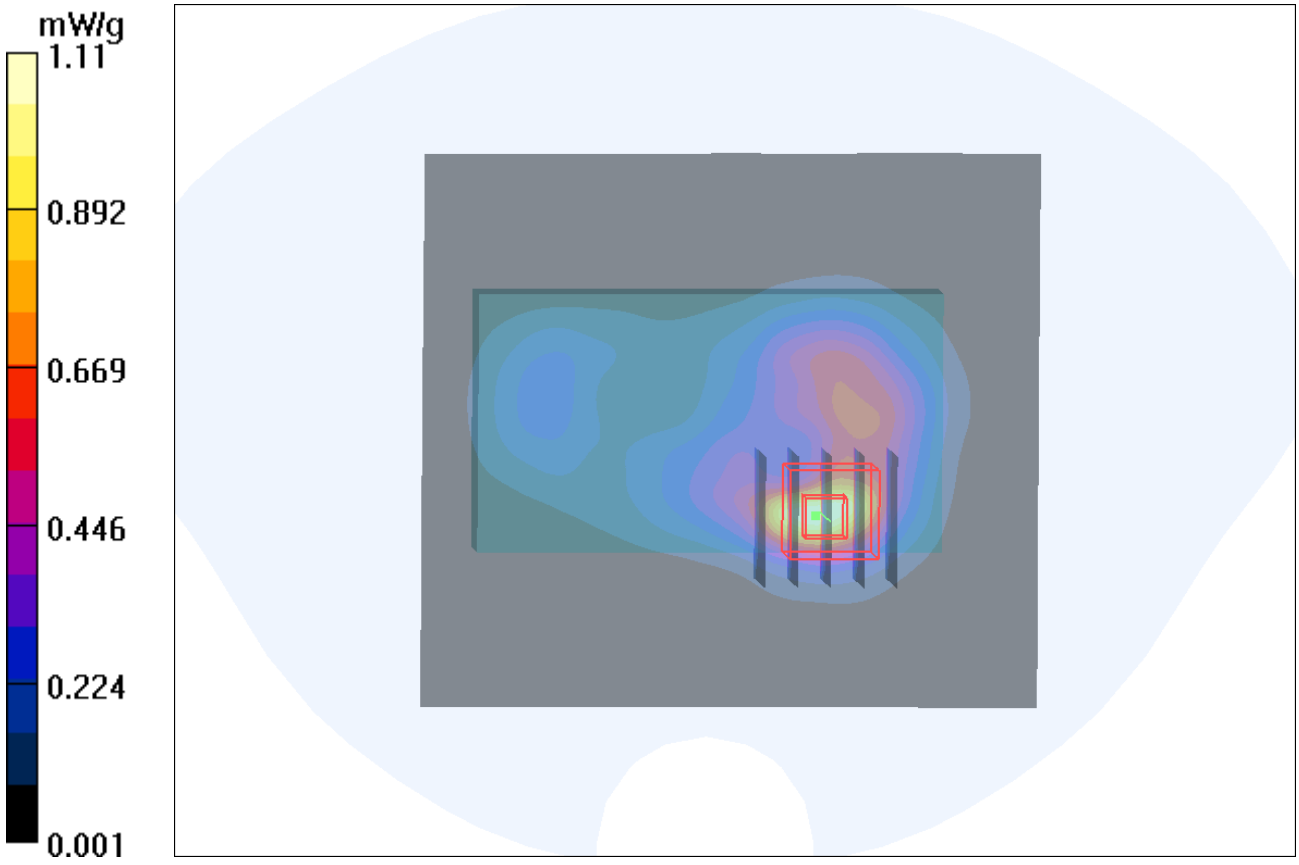
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.6 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.11 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.7 V/m; Power Drift = 0.119 dB
Peak SAR (extrapolated) = 2.23 W/kg
SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 1.15 mW/g



P52 WiMAX_64QAM 10M_Rear Face_1cm_2600MHz_Ant-0

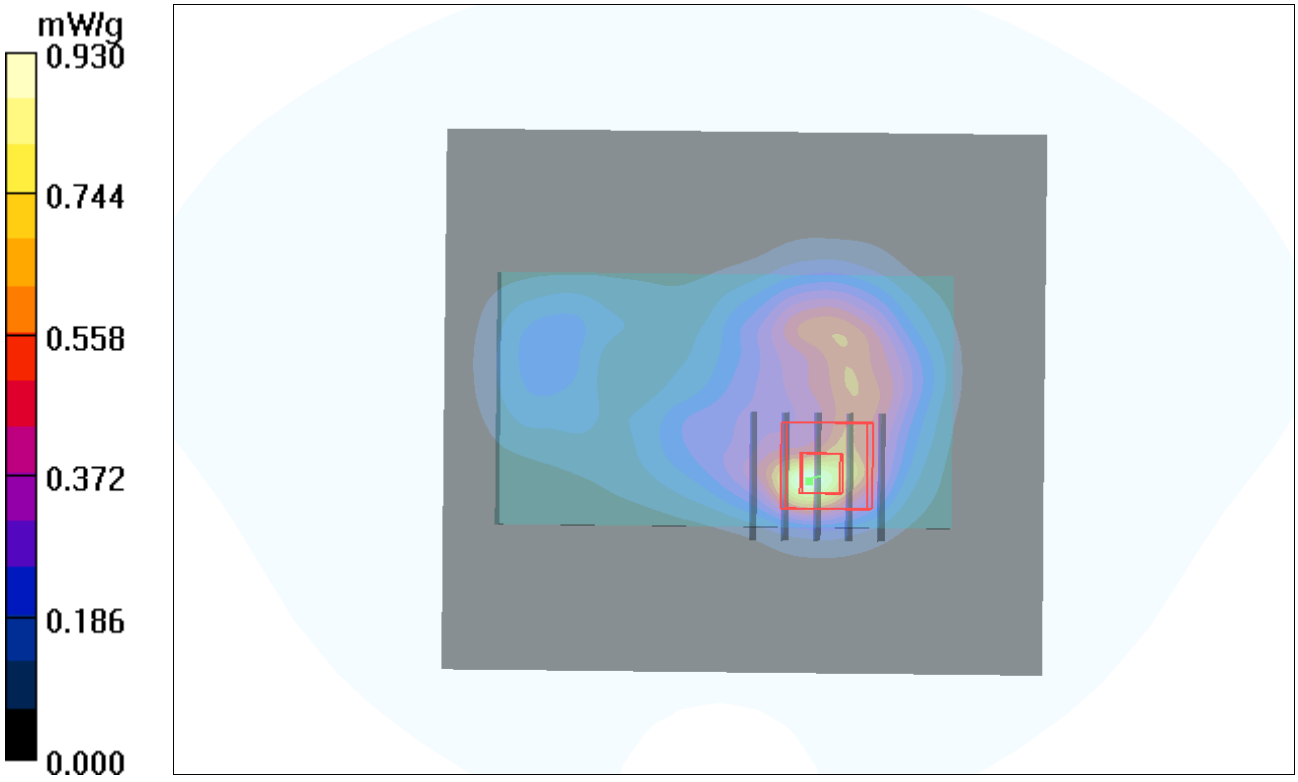
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.12 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：22.4 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.930 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = 0.064 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.301 mW/g
Maximum value of SAR (measured) = 0.983 mW/g



P56 WiMAX_QPSK 10M_Bottom Side_1cm_2600MHz_Ant-1

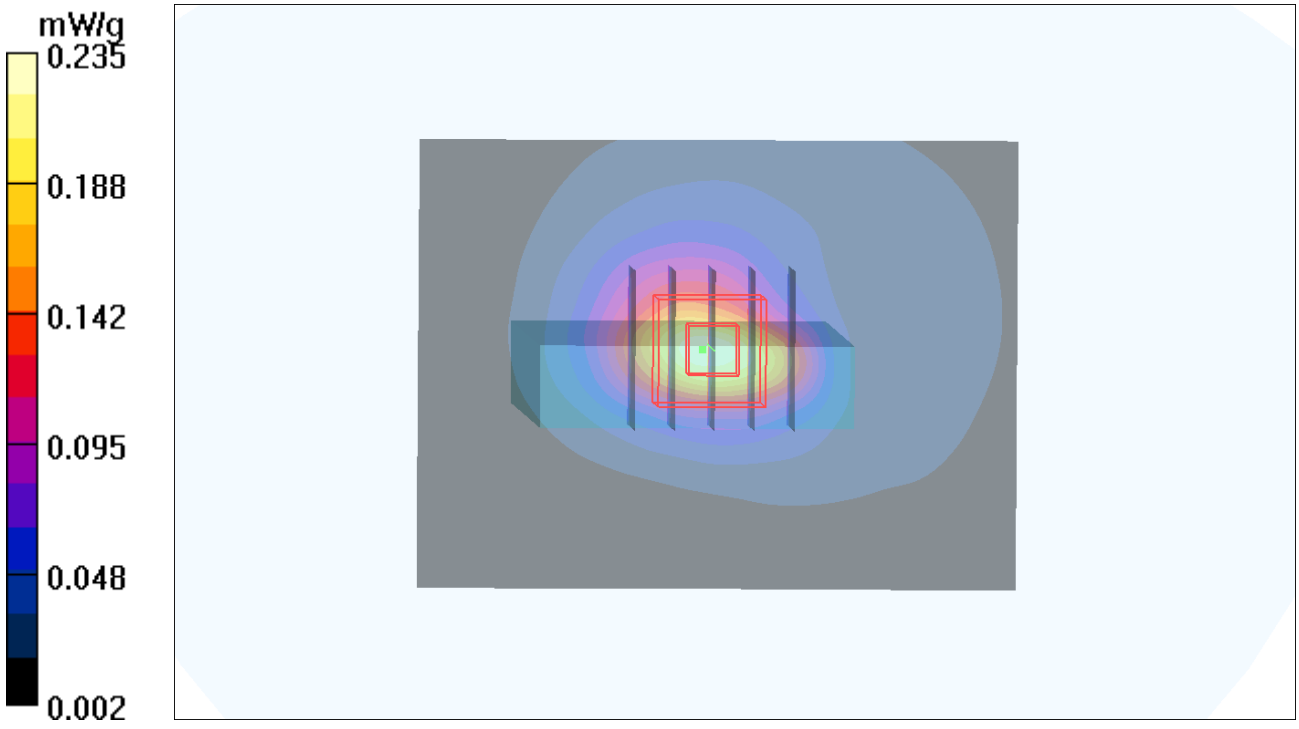
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Bottom Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.235 mW/g

Bottom Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.73 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.434 W/kg
SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.230 mW/g



P53 WiMAX_QPSK 10M_Front Face_1cm_2600MHz_Ant-1

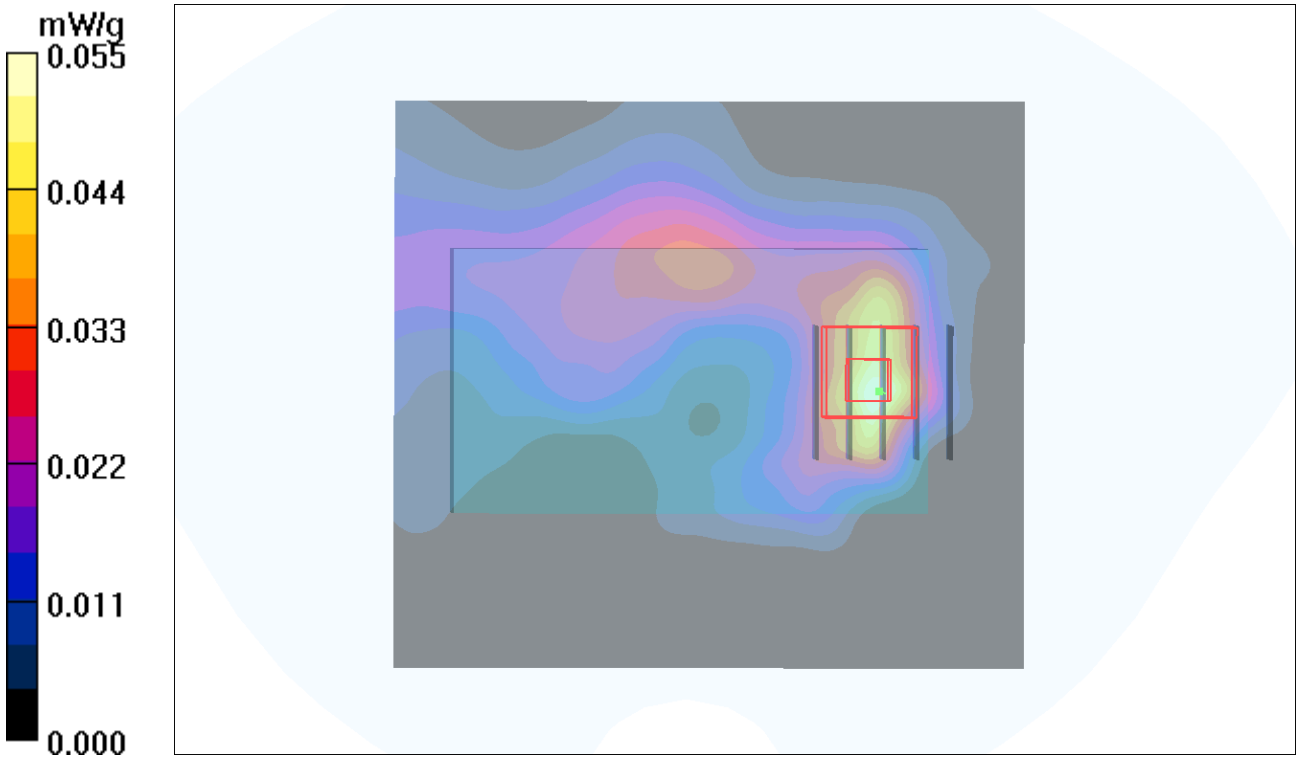
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Front Face/Area Scan (91x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.055 mW/g

Front Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.79 V/m; Power Drift = 0.083 dB
Peak SAR (extrapolated) = 0.089 W/kg
SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.018 mW/g
Maximum value of SAR (measured) = 0.046 mW/g



P54 WiMAX_QPSK 10M_Rear Face_1cm_2600MHz_Ant-1

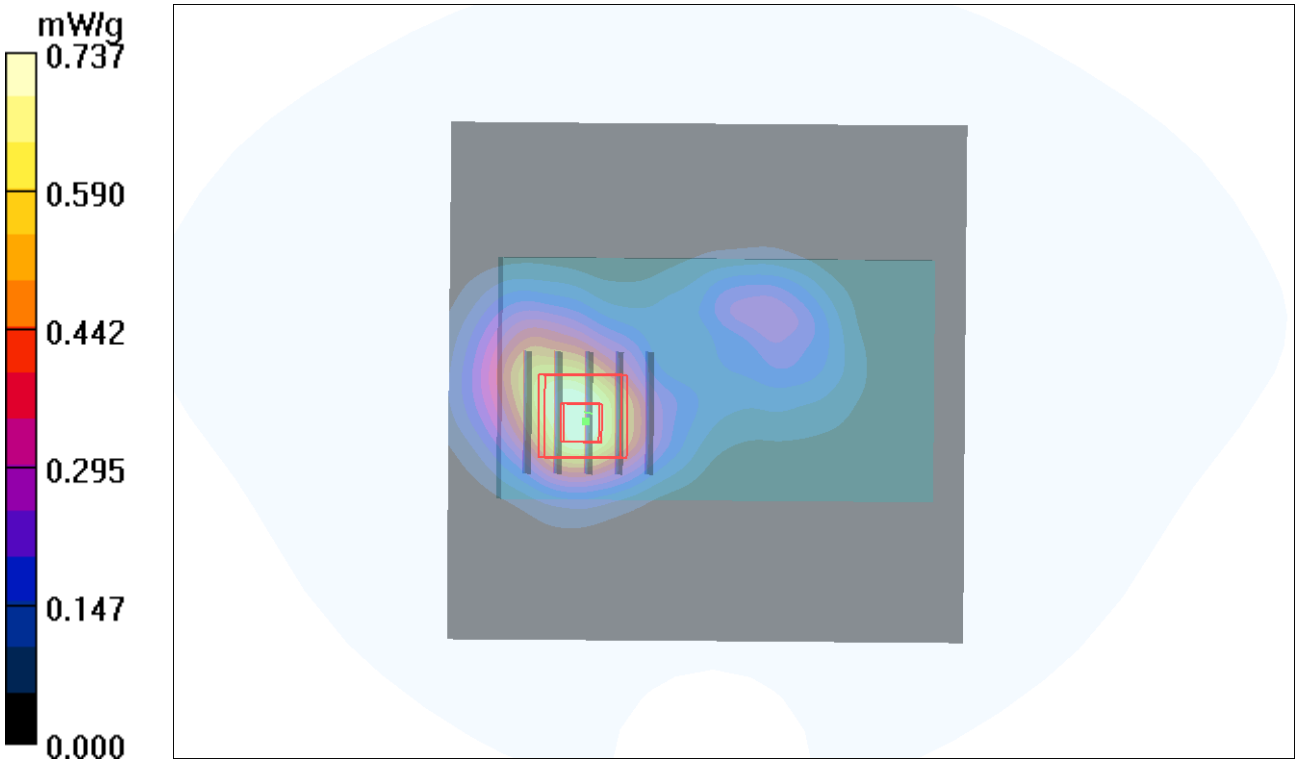
DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Rear Face/Area Scan (91x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.737 mW/g

Rear Face/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.03 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.286 mW/g
Maximum value of SAR (measured) = 0.732 mW/g



P55 WiMAX_QPSK 10M_Left Side_1cm_2600MHz_Ant-1

DUT: 120816C10

Communication System: WIMAX; Frequency: 2600 MHz;Duty Cycle: 1:3.24
Medium: MSL2600 Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：22.7 ℃

DASY4 Configuration:
- Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012/02/24
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn519; Calibrated: 2012/01/20
- Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Left Side/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.182 mW/g

Left Side/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.17 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 0.309 W/kg
SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.069 mW/g
Maximum value of SAR (measured) = 0.172 mW/g