Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P01 GSM850_GPRS12_Right Cheek_Ch251

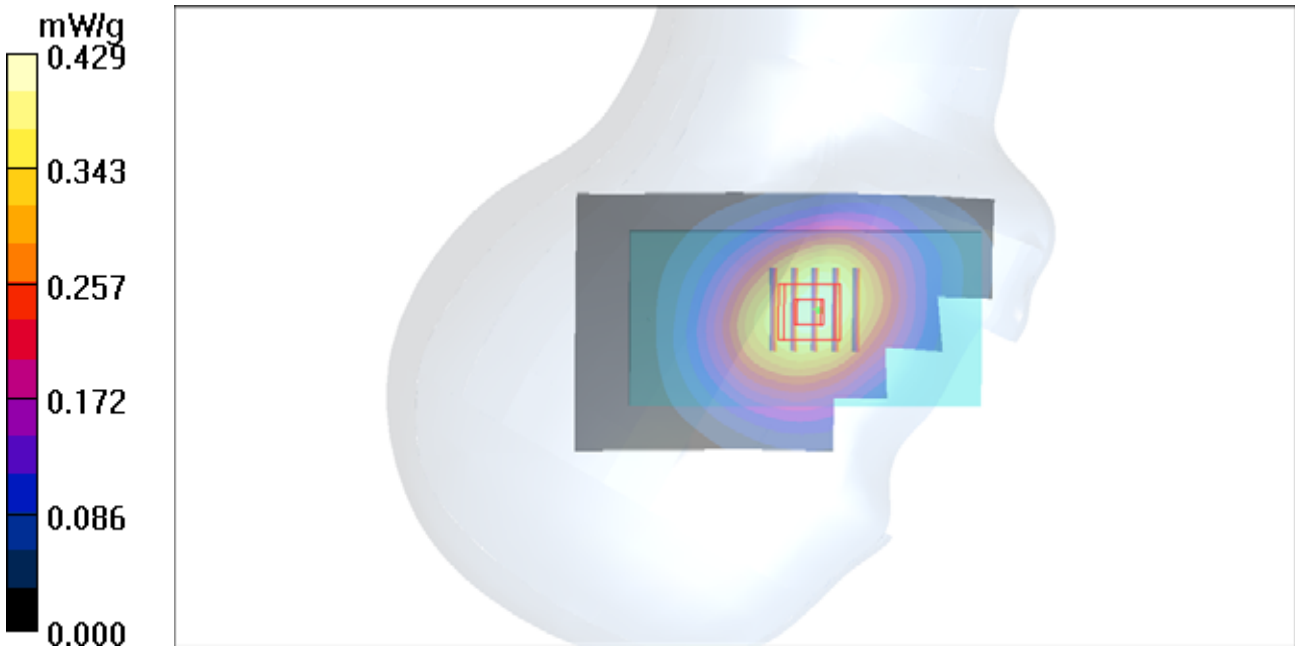
DUT: 120723C24

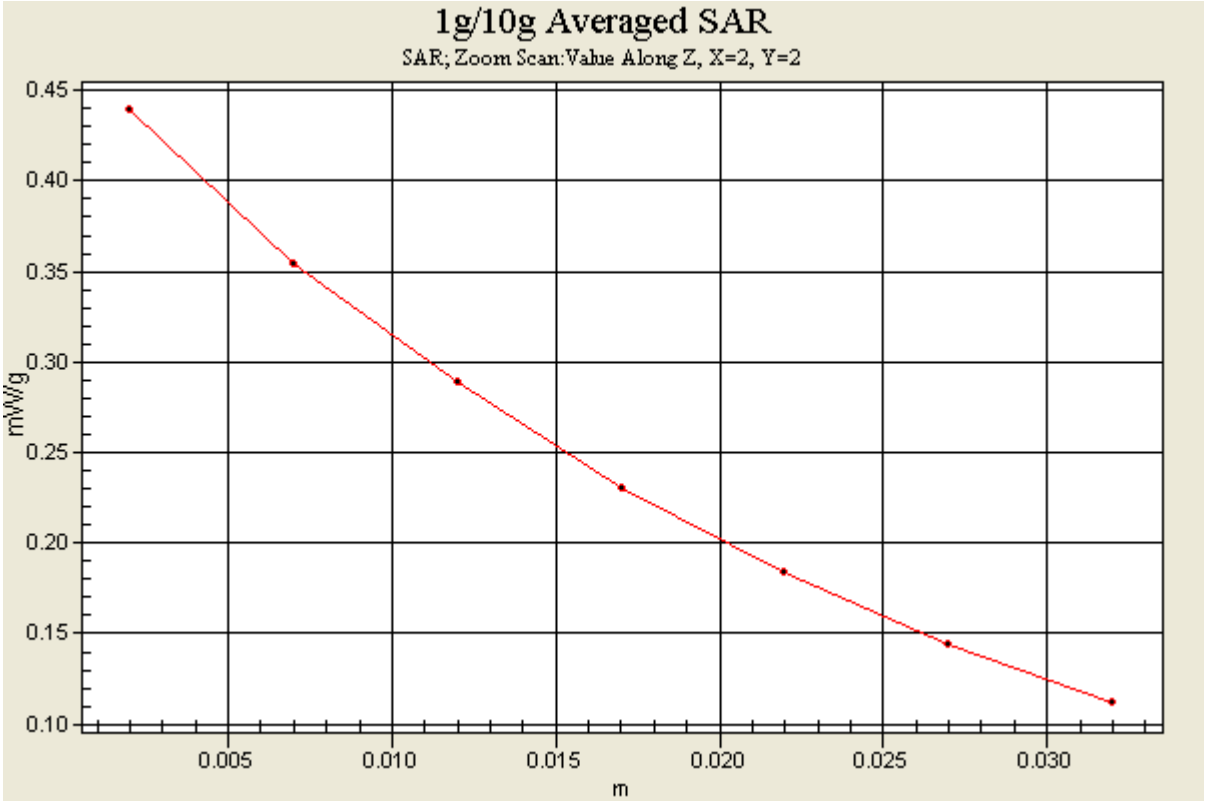
Communication System: GSM850 GPRS12; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: H835_0824 Medium parameters used: f = 849 MHz; σ = 0.923 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.429 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.91 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.484 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.294 mW/g
Maximum value of SAR (measured) = 0.439 mW/g




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

P02 GSM850_GPRS12_Right Tilted_Ch251

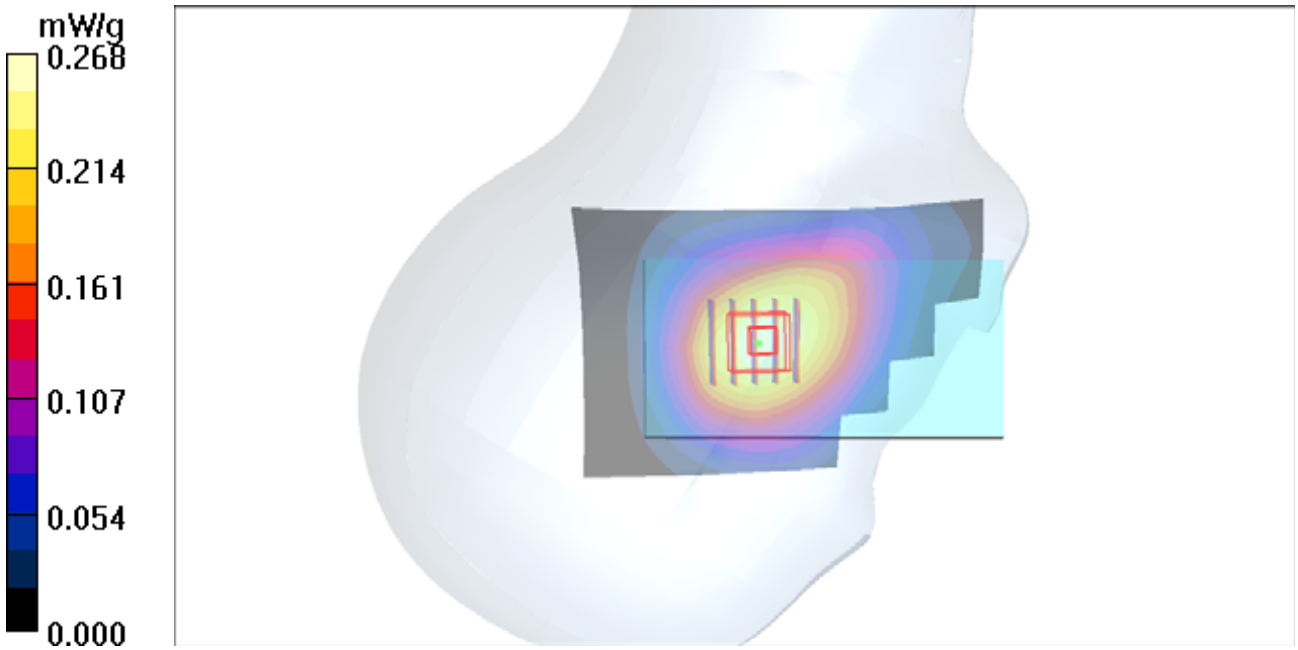
DUT: 120723C24

Communication System: GSM850 GPRS12; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: H835_0824 Medium parameters used: f = 849 MHz; σ = 0.923 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.268 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.95 V/m; Power Drift = 0.057 dB
Peak SAR (extrapolated) = 0.394 W/kg
SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.266 mW/g



P03 GSM850_GPRS12_Left Cheek_Ch251

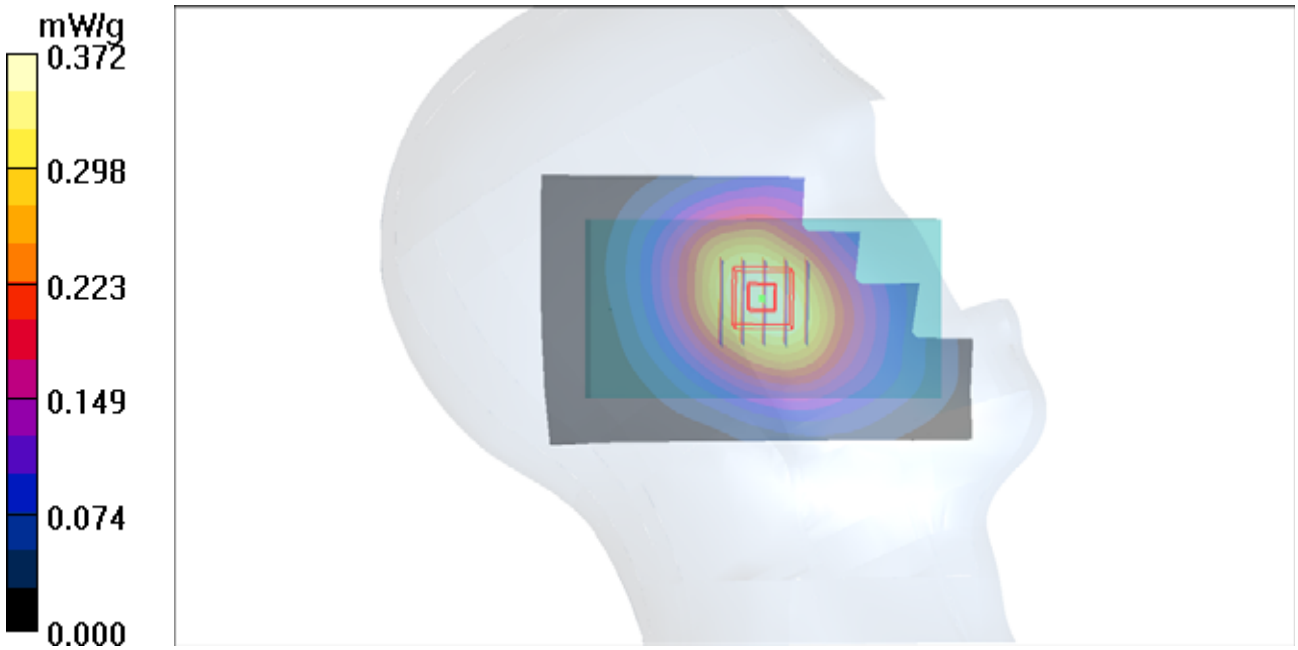
DUT: 120723C24

Communication System: GSM850 GPRS12; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: H835_0824 Medium parameters used: f = 849 MHz; σ = 0.923 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.372 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.65 V/m; Power Drift = -0.188 dB
Peak SAR (extrapolated) = 0.417 W/kg
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.248 mW/g
Maximum value of SAR (measured) = 0.381 mW/g



P04 GSM850_GPRS12_Left Tilted_Ch251

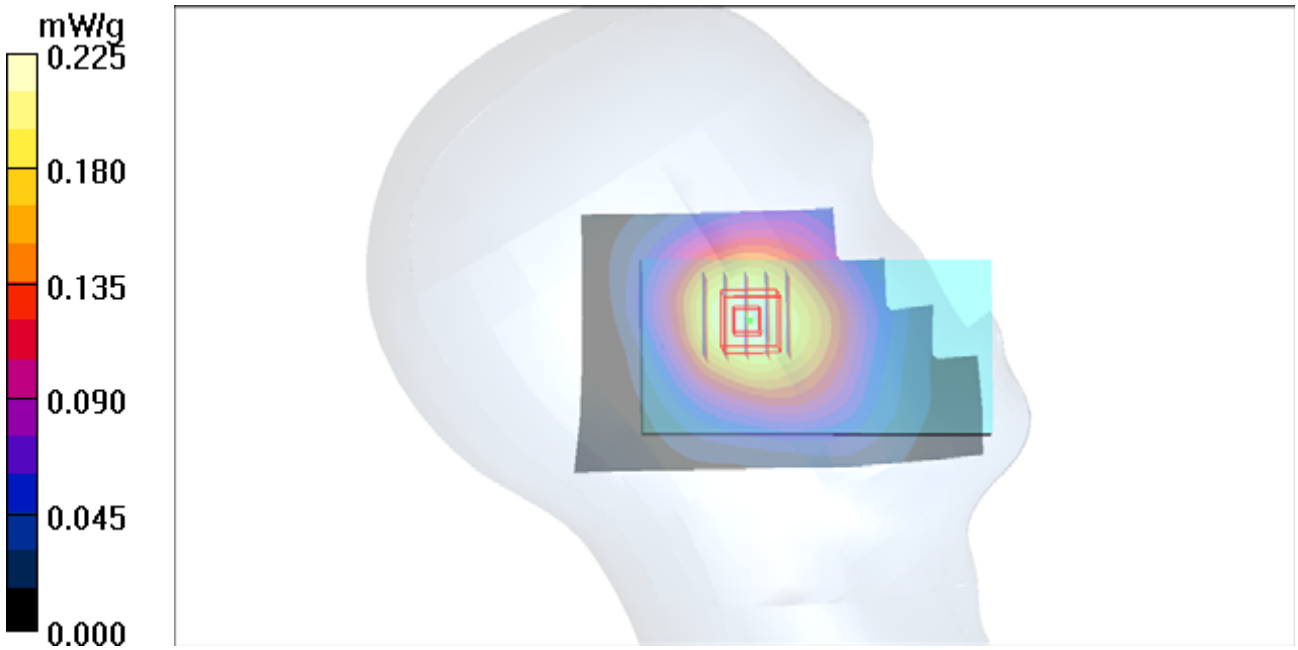
DUT: 120723C24

Communication System: GSM850 GPRS12; Frequency: 848.8 MHz;Duty Cycle: 1:2
Medium: H835_0824 Medium parameters used: f = 849 MHz; σ = 0.923 mho/m; ε_r = 42.2; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.36 V/m; Power Drift = 0.137 dB
Peak SAR (extrapolated) = 0.242 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.220 mW/g



P05 GSM1900_GPRS12_Right Cheek_Ch512

DUT: 120723C24

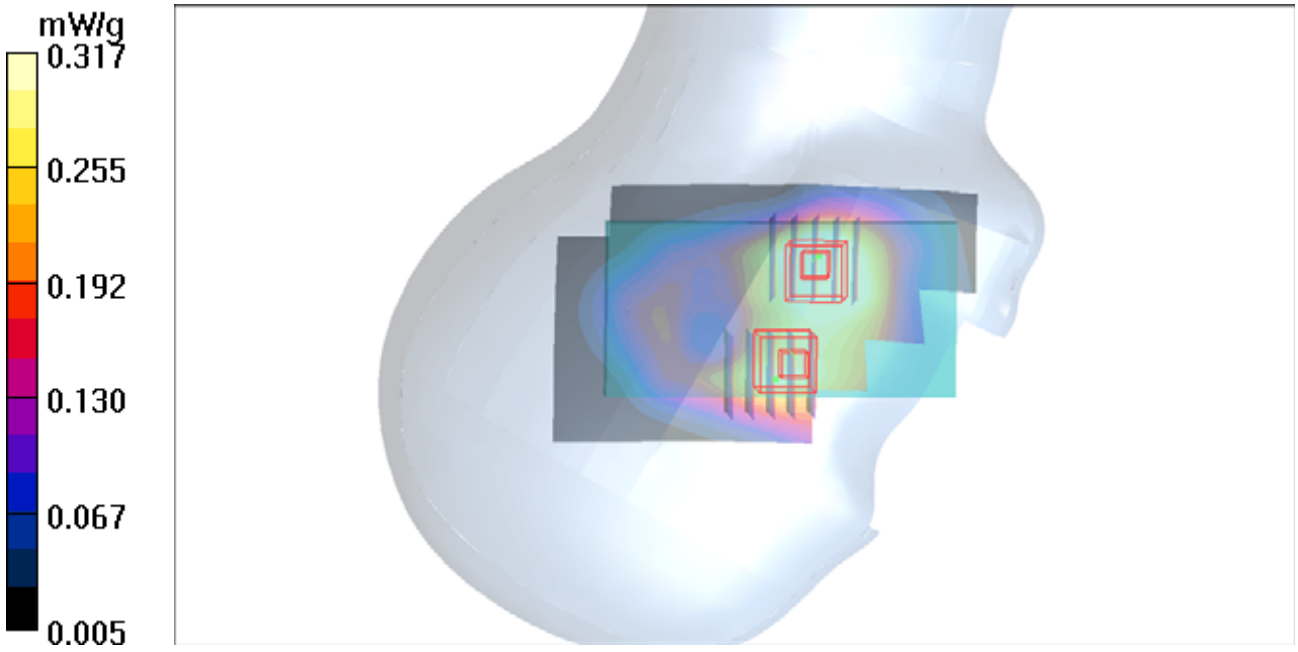
Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: H1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.410 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.471 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 0.400 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.375 W/kg
SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.317 mW/g



P06 GSM1900_GPRS12_Right Tilted_Ch512

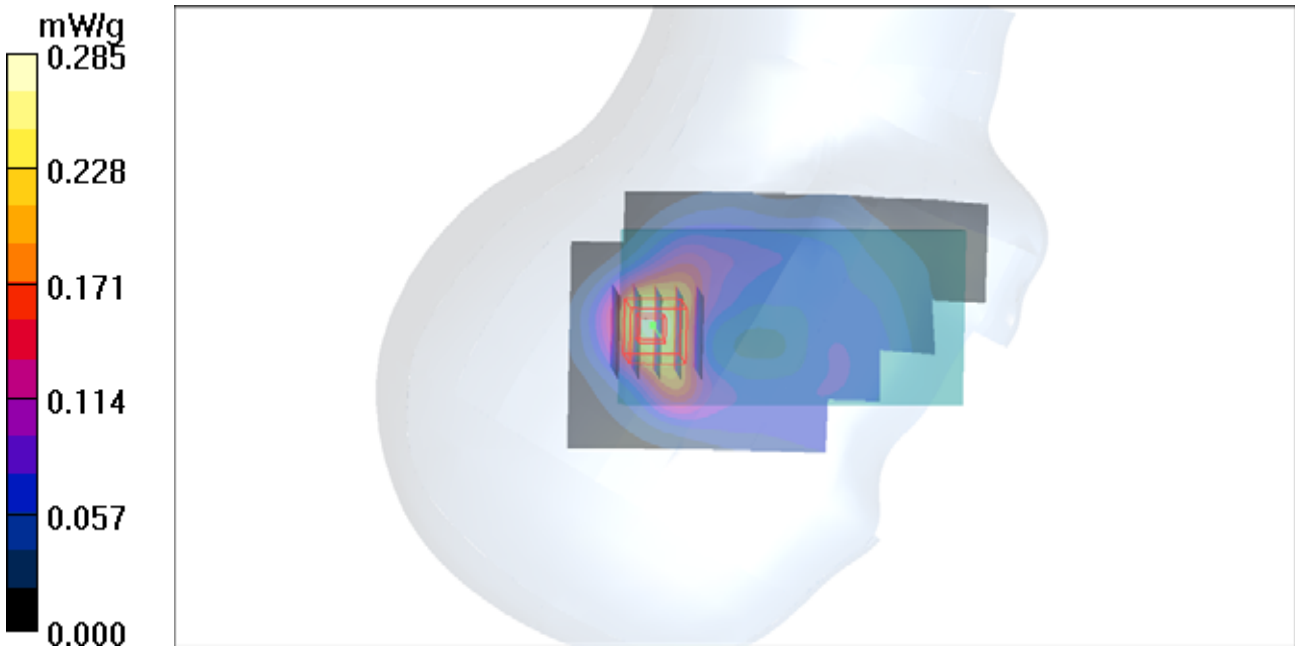
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: H1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.285 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.295 mW/g



P07 GSM1900_GPRS12_Left Cheek_Ch512

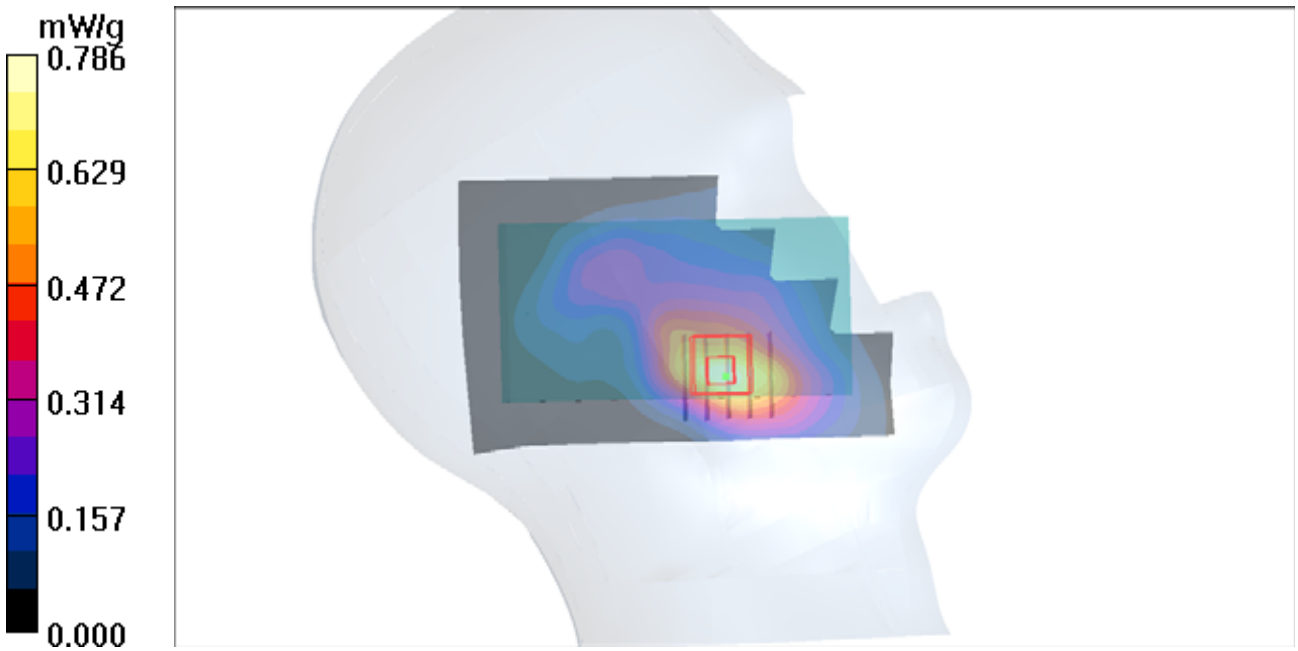
DUT: 120723C24

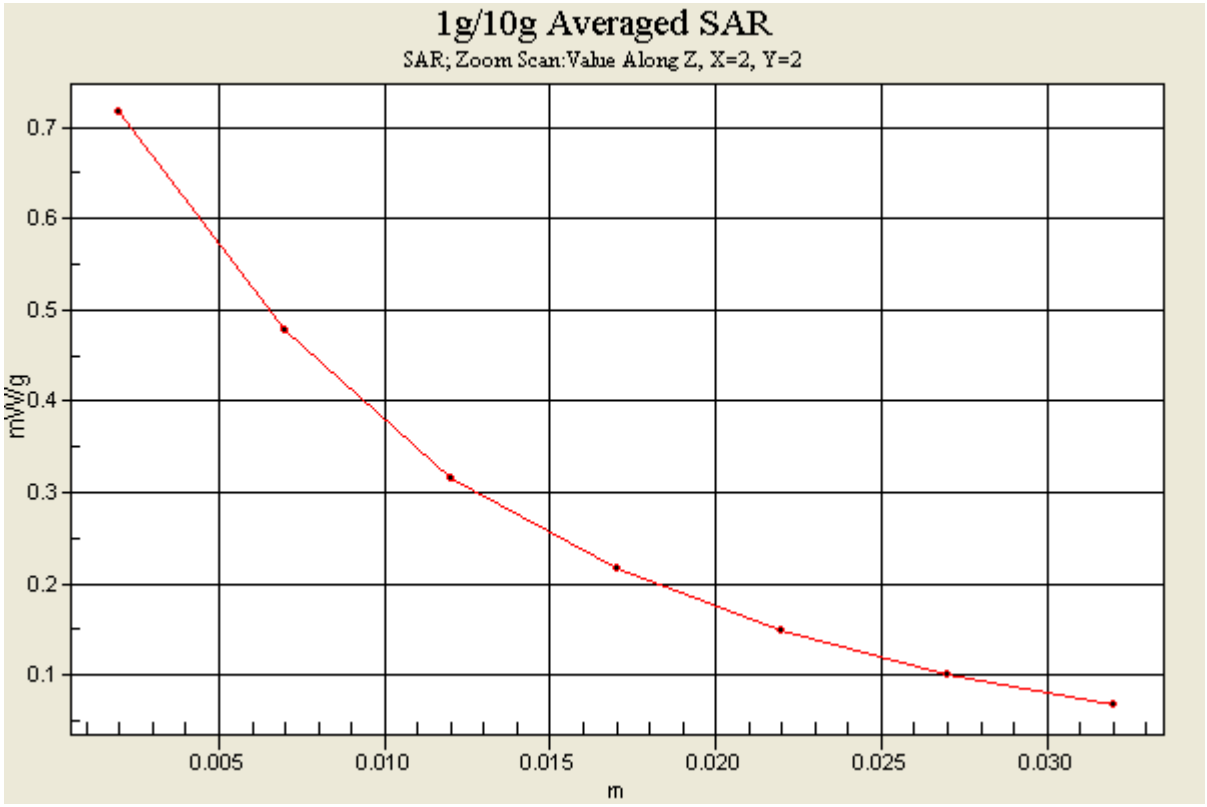
Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: H1900_0824 Medium parameters used : f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.786 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.14 V/m; Power Drift = -0.152 dB
Peak SAR (extrapolated) = 0.851 W/kg
SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.363 mW/g
Maximum value of SAR (measured) = 0.716 mW/g




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

P08 GSM1900_GPRS12_Left Tilted_Ch512

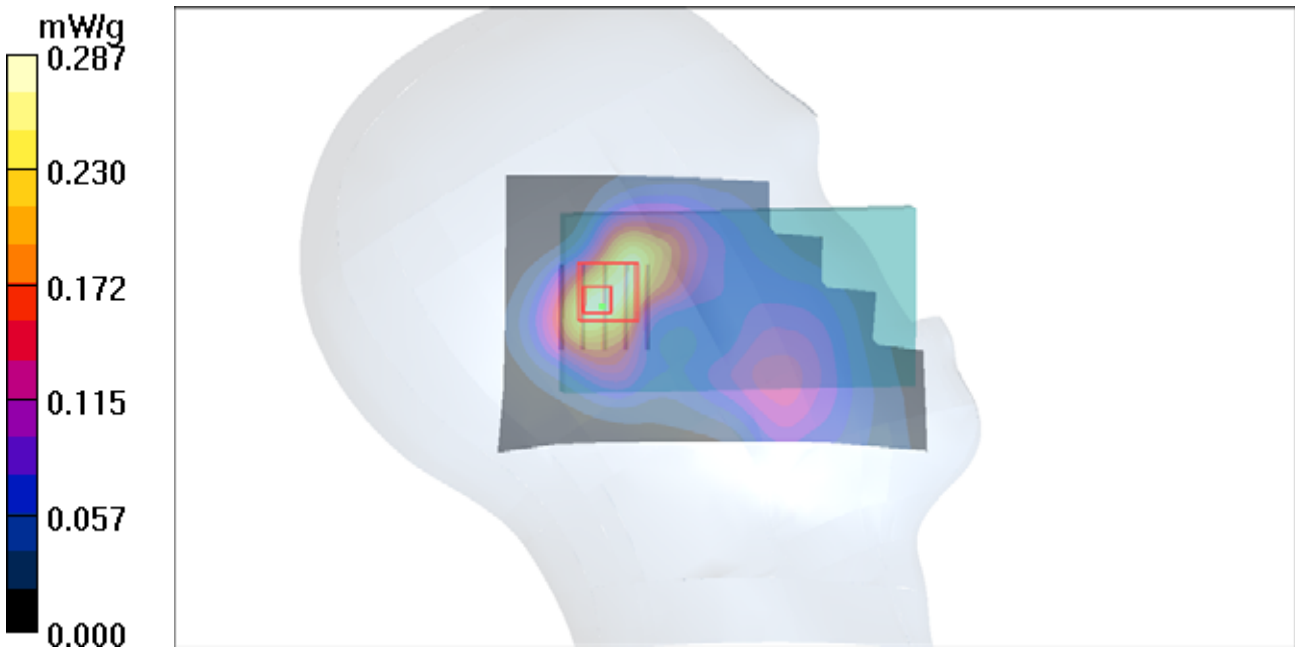
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: H1900_0824 Medium parameters used : f = 1850.2 MHz; σ = 1.39 mho/m; ε_r = 40; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.287 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.089 dB
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.137 mW/g
Maximum value of SAR (measured) = 0.274 mW/g



P09 WCMDA V_RMC12.2K_Right Cheek_Ch4182

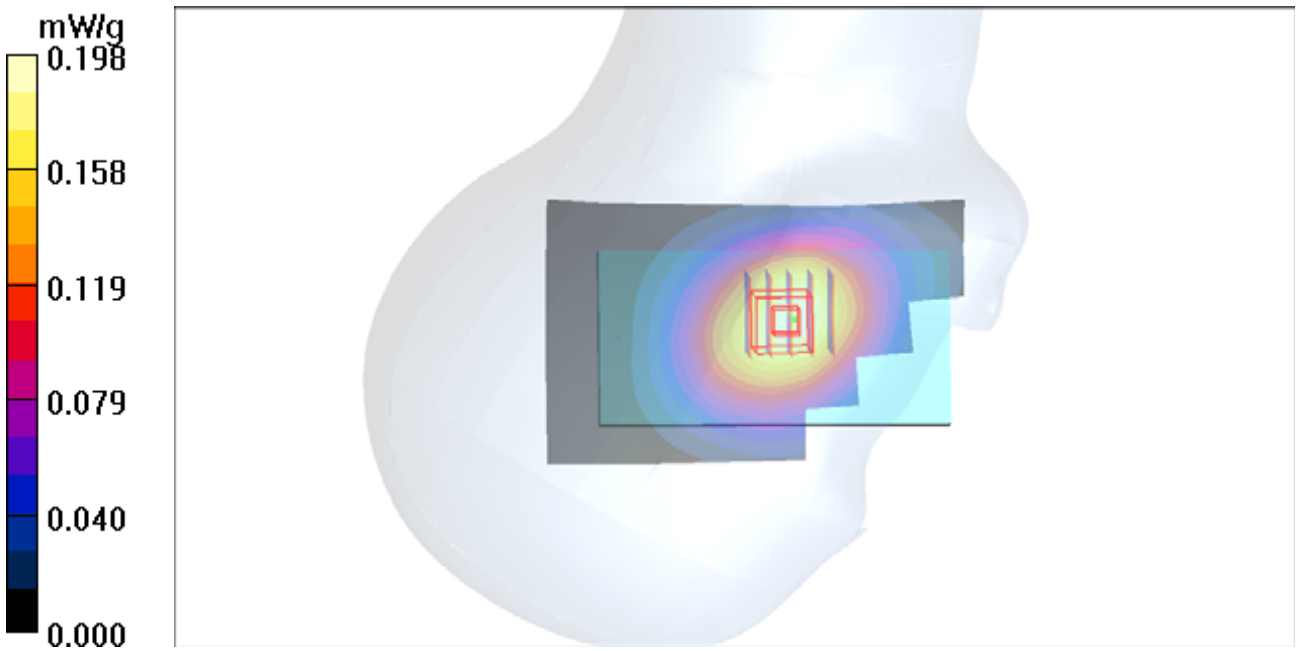
DUT: 120723C24

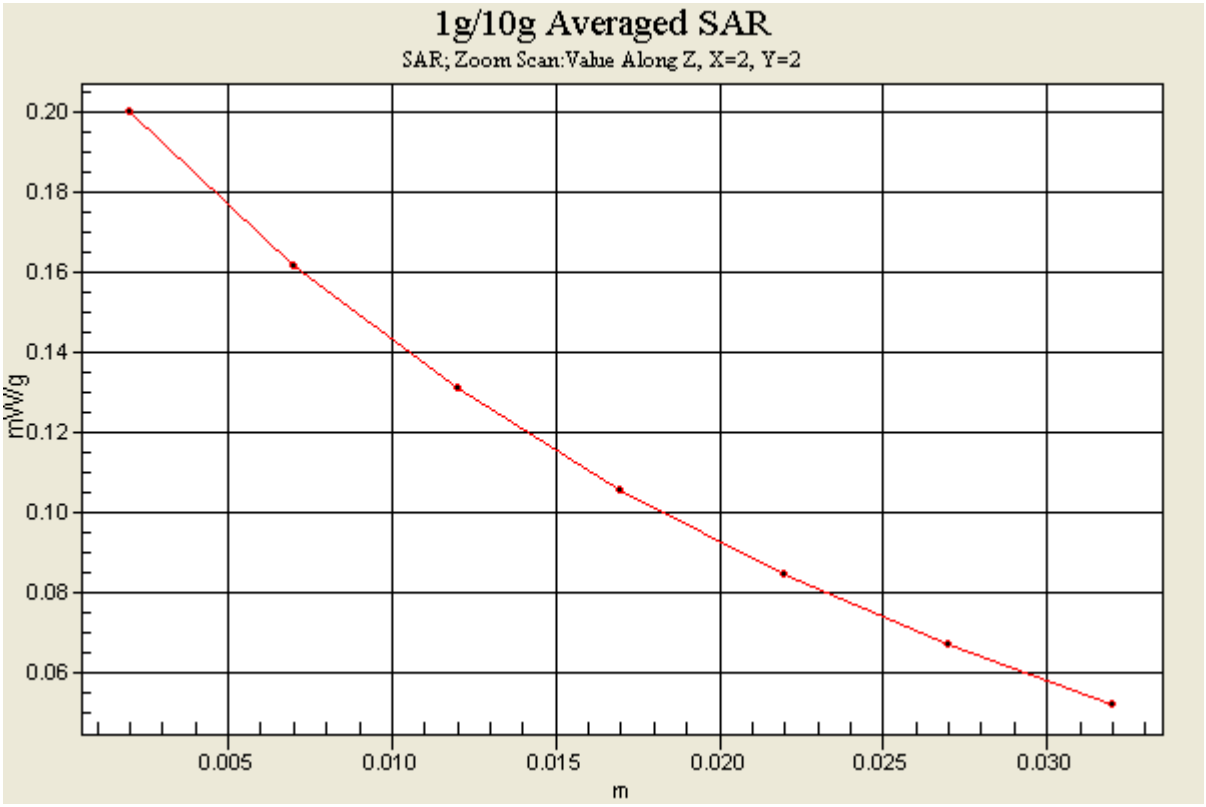
Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.91 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.198 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.67 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.133 mW/g
Maximum value of SAR (measured) = 0.199 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
m

P10 WCMDA V_RMC12.2K_Right Tilted_Ch4182

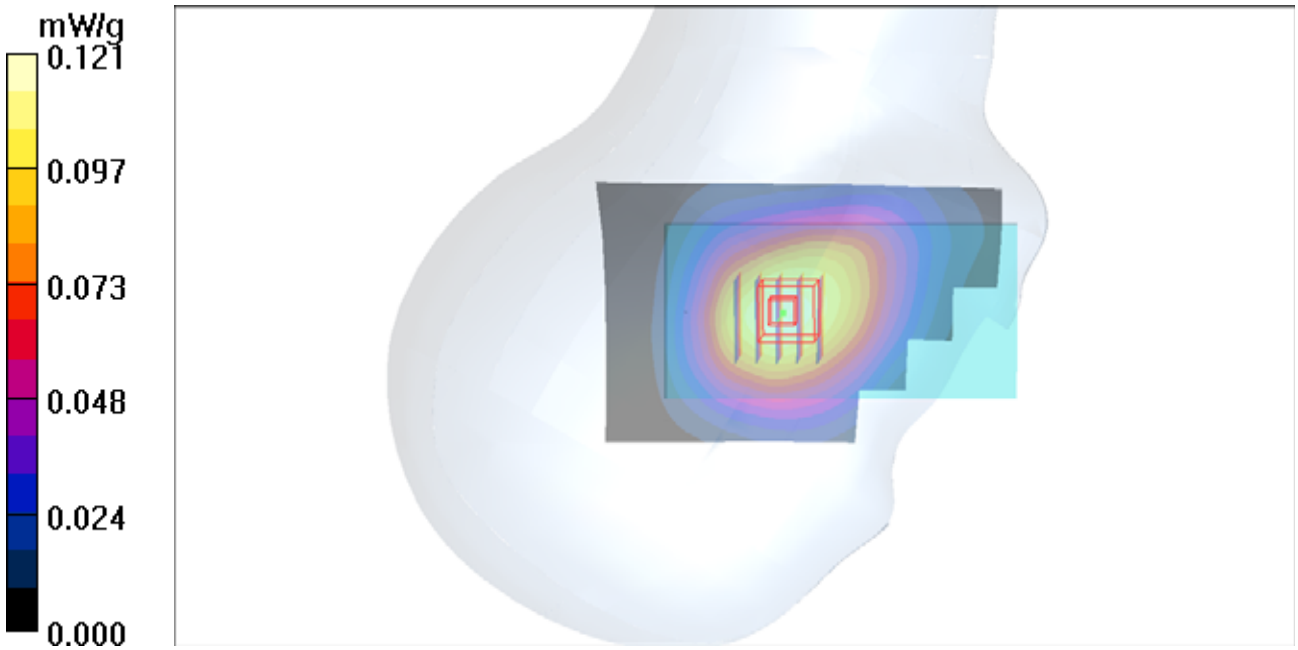
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.91 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.121 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.57 V/m; Power Drift = 0.142 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.079 mW/g
Maximum value of SAR (measured) = 0.119 mW/g



P11 WCMDA V_RMC12.2K_Left Cheek_Ch4182

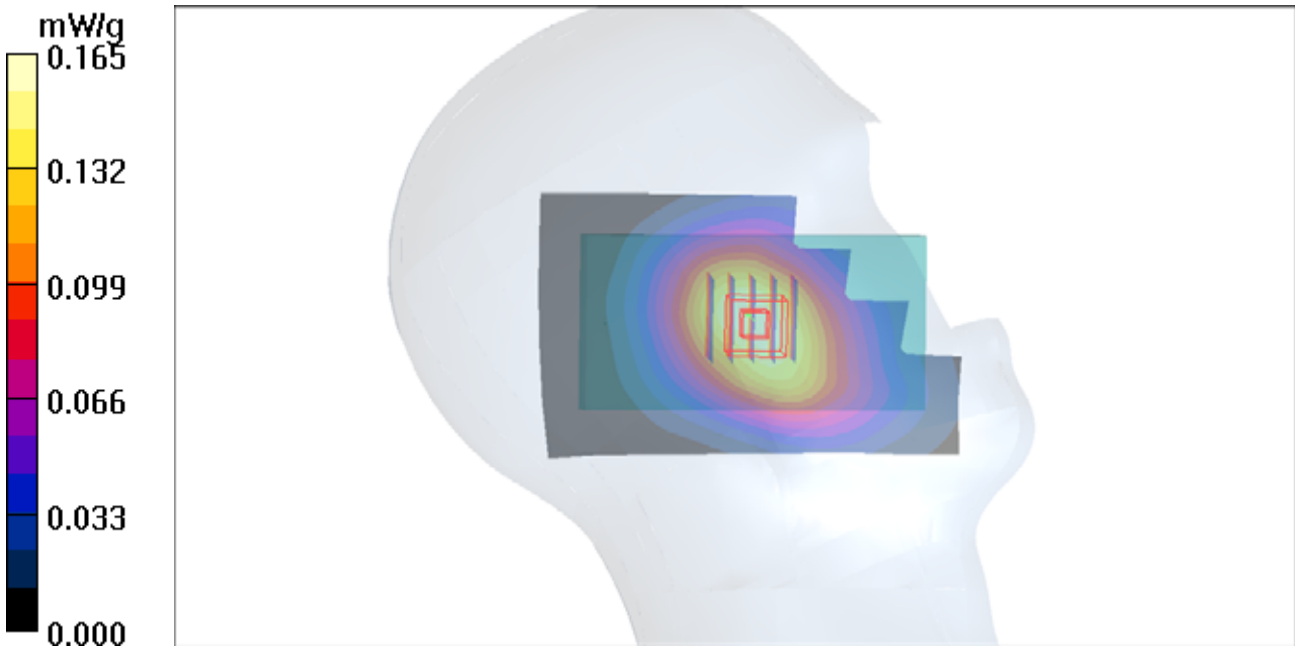
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.91 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.165 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.31 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.187 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.112 mW/g
Maximum value of SAR (measured) = 0.169 mW/g



P12 WCMDA V_RMC12.2K_Left Tilted_Ch4182

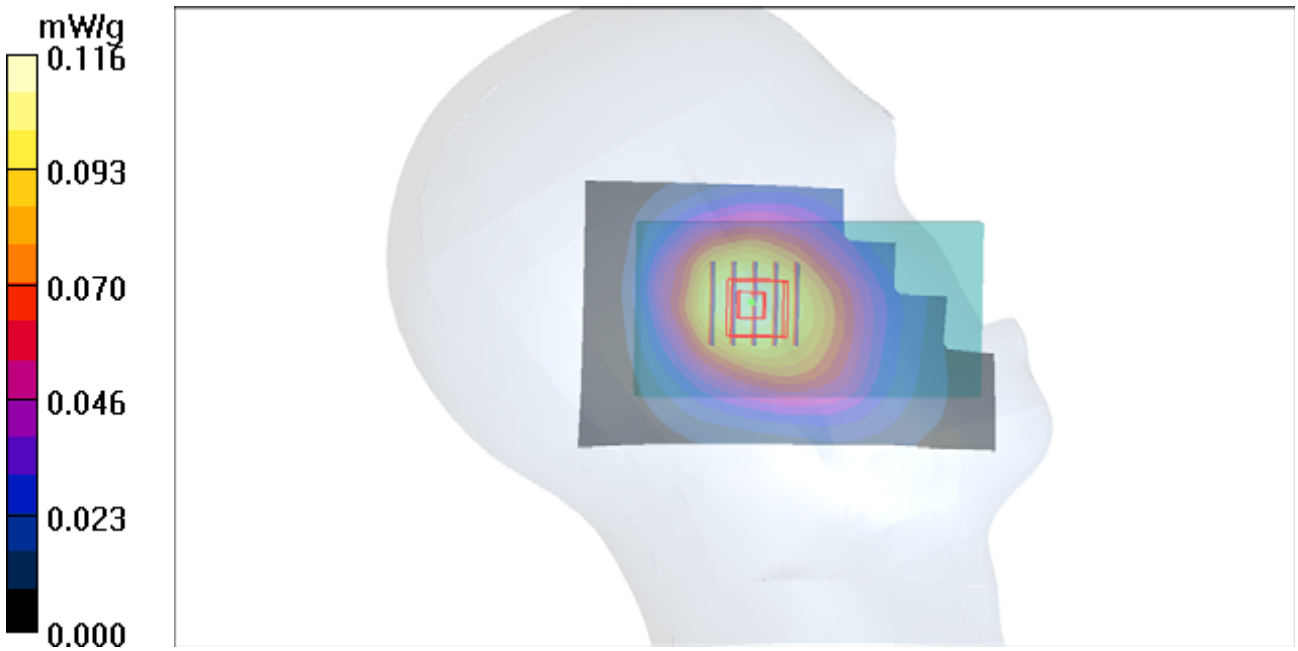
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: H835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.91 mho/m; ε_r = 42.3; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃； Liquid Temperature：20.9 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); 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

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.116 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.02 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.075 mW/g
Maximum value of SAR (measured) = 0.114 mW/g



P13 WCDMA IV_RMC12.2K_Right Cheek_Ch1513

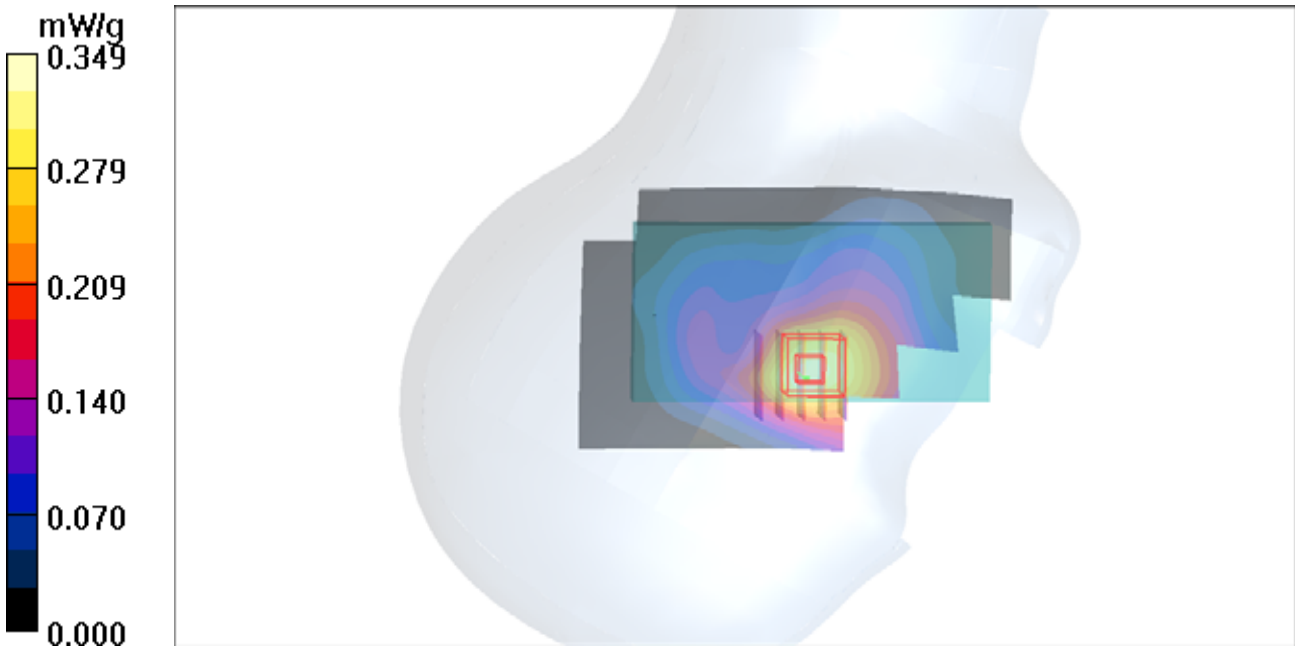
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.34 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); 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

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.349 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.86 V/m; Power Drift = 0.168 dB
Peak SAR (extrapolated) = 0.414 W/kg
SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.356 mW/g



P14 WCDMA IV_RMC12.2K_Right Tilted_Ch1513

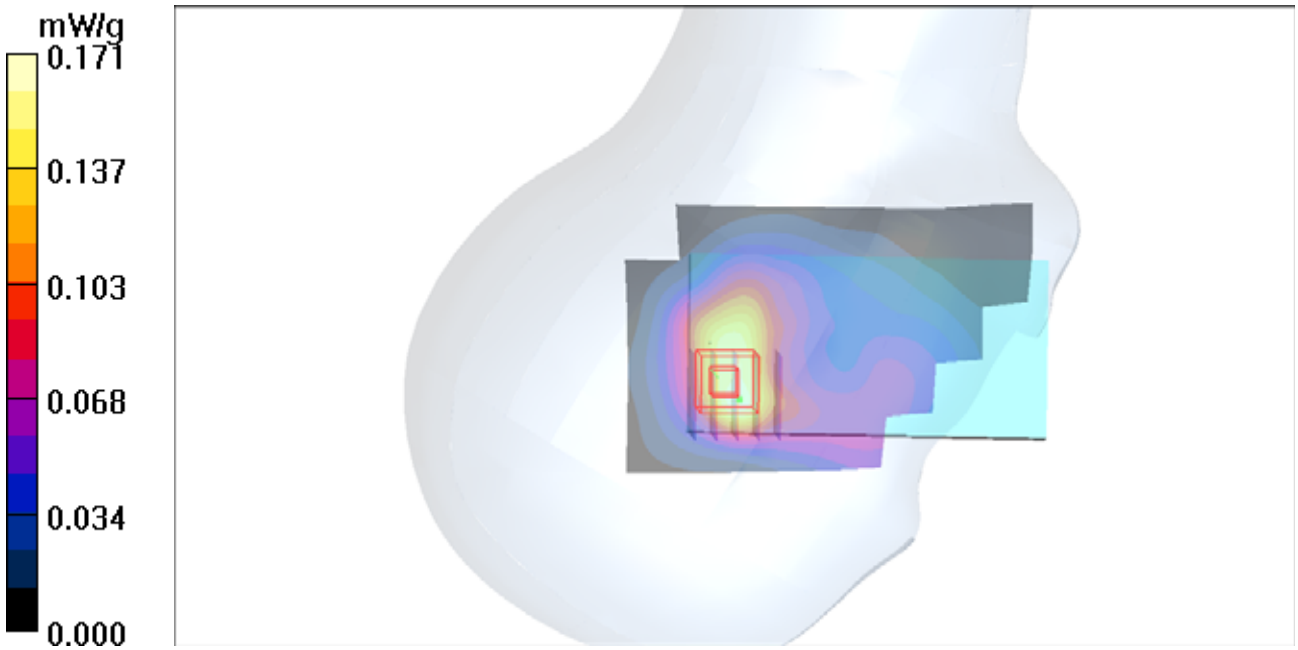
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.34 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃； Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); 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

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.171 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 0.218 W/kg
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



P15 WCDMA IV_RMC12.2K_Left Cheek_Ch1513

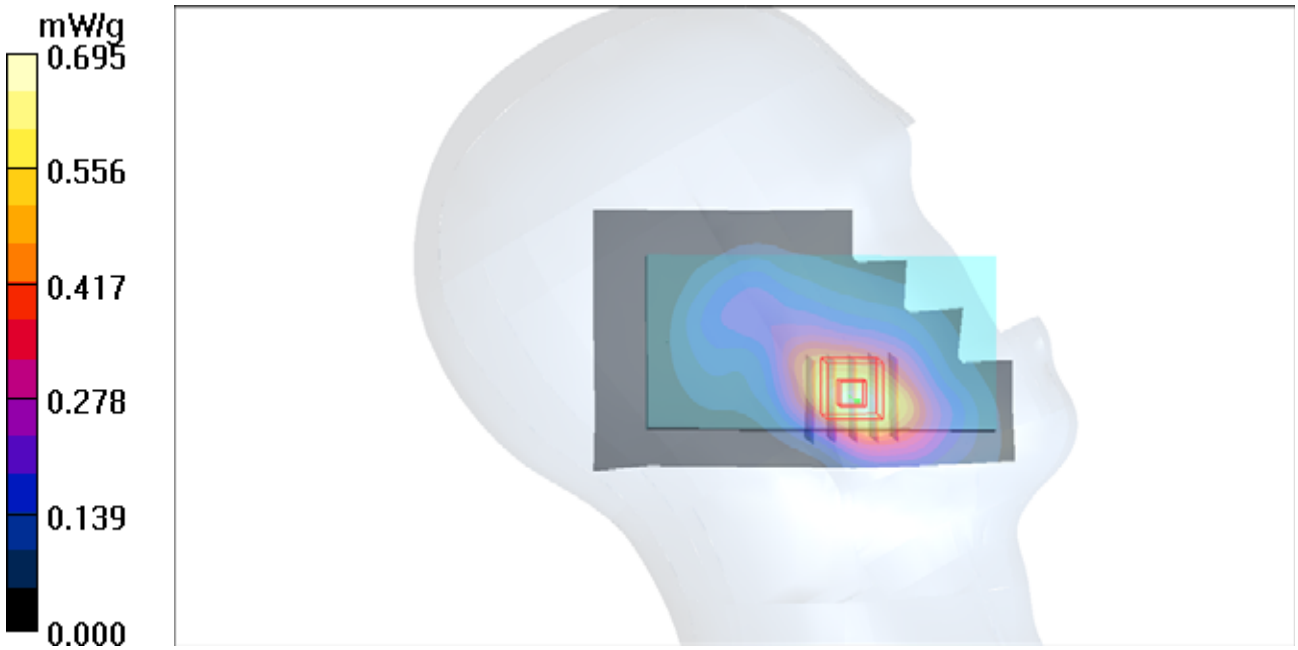
DUT: 120723C24

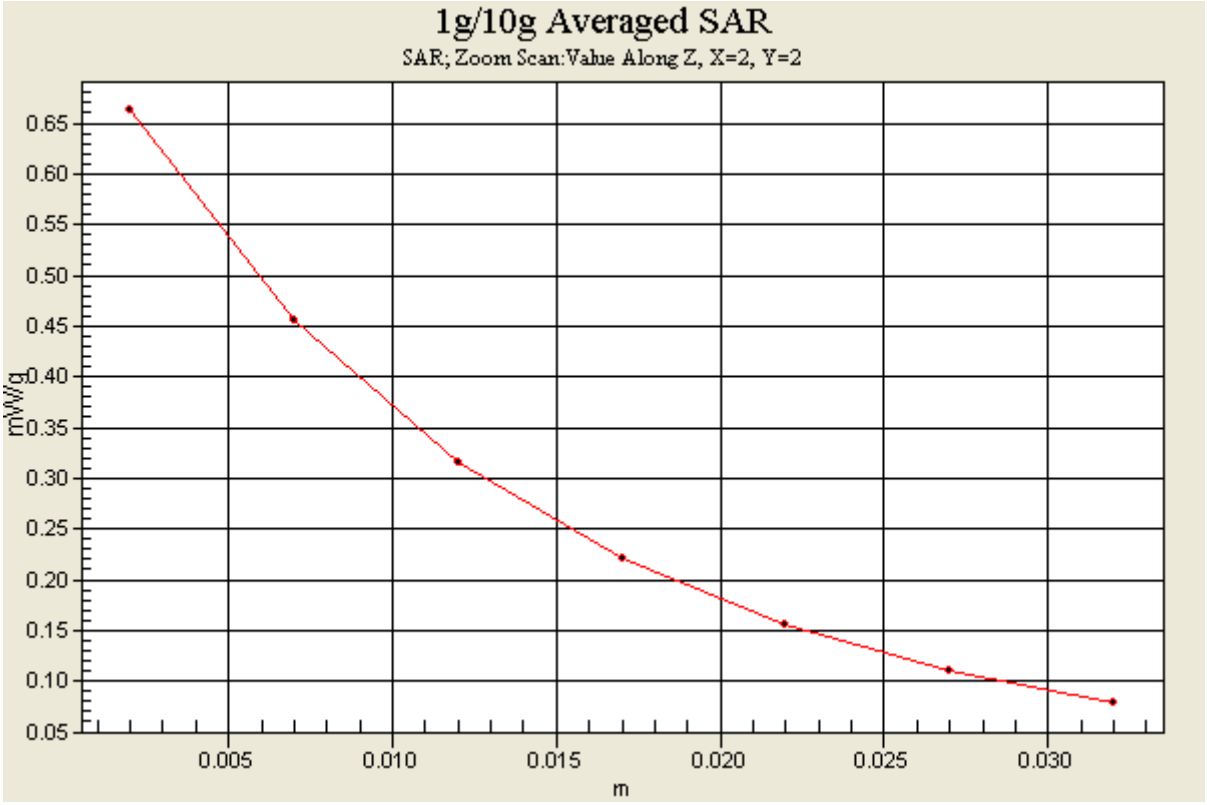
Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.34 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); 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

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.695 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.60 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 0.775 W/kg
SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.347 mW/g
Maximum value of SAR (measured) = 0.660 mW/g




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

P16 WCDMA IV_RMC12.2K_Left Tilted_Ch1513

DUT: 120723C24

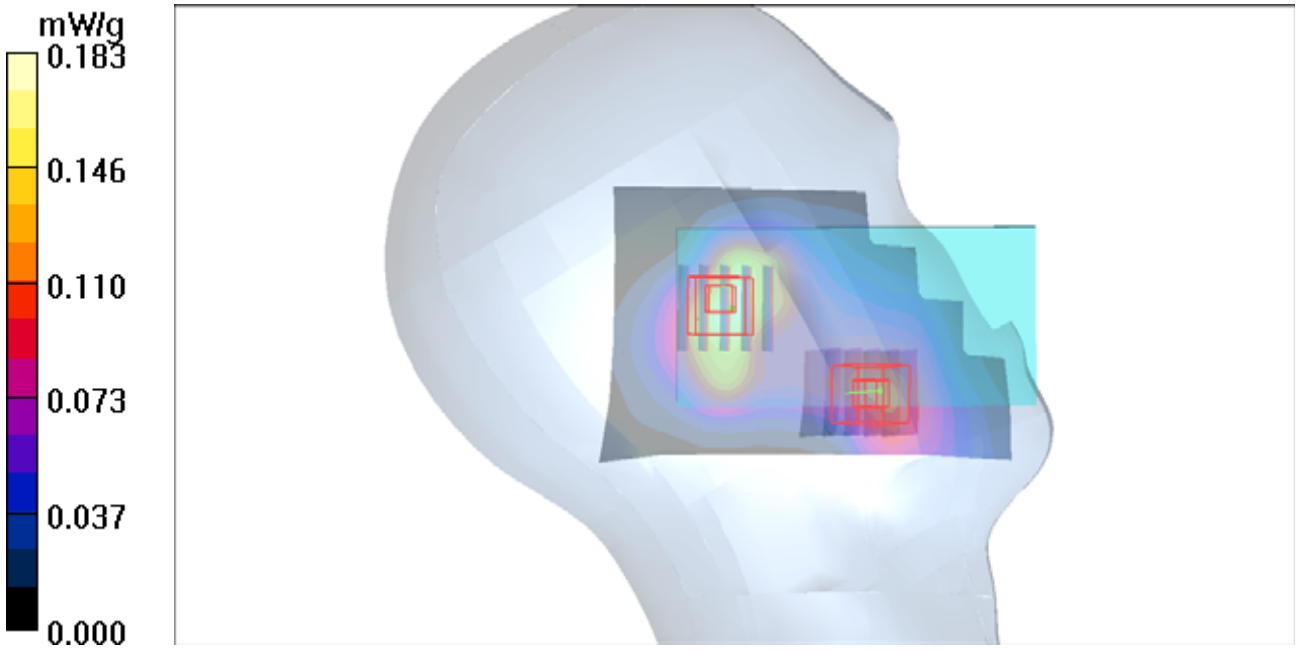
Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: H1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.34 mho/m; ε_r = 41.8; ρ = 1000 kg/m^3
Ambient Temperature：21.8 ℃; Liquid Temperature：20.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); 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

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.183 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.182 W/kg
SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.159 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = 0.093 dB
Peak SAR (extrapolated) = 0.125 W/kg
SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.110 mW/g



P17 WCDMA II_RMC12.2K_Right Cheek_Ch9262

DUT: 120723C24

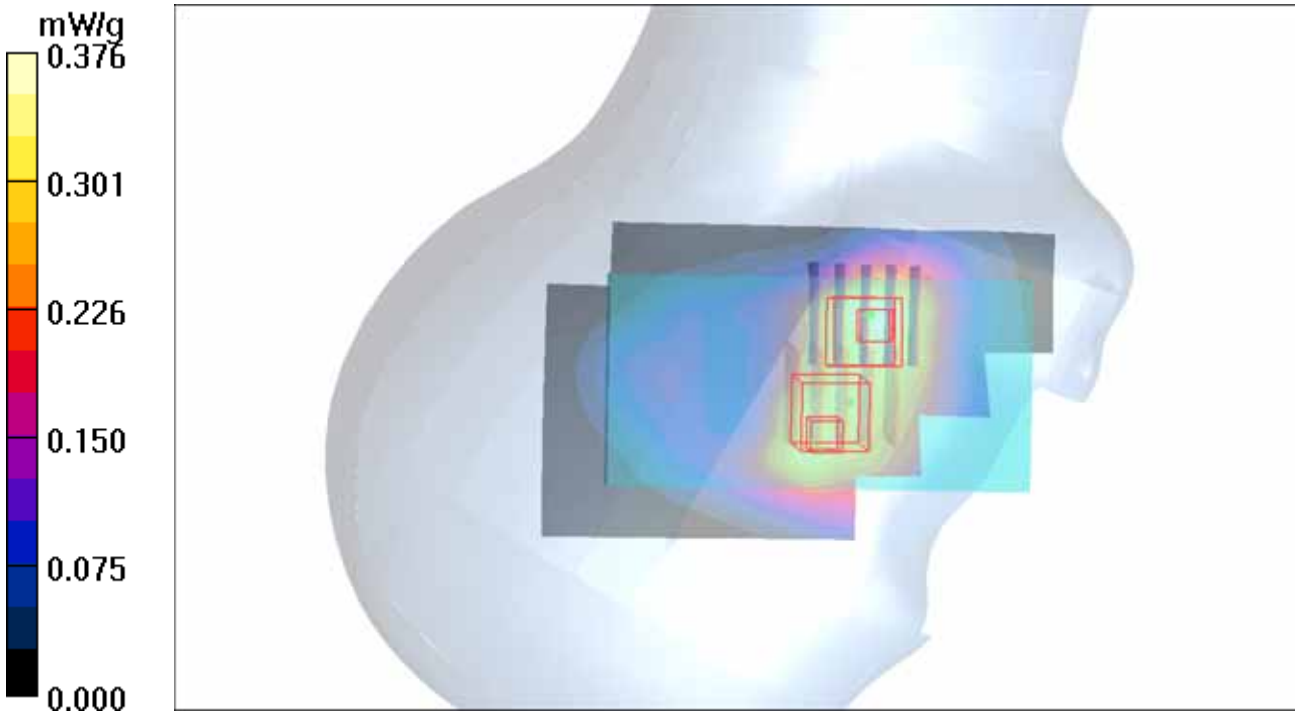
Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.4 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.376 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.18 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 0.413 W/kg
SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.196 mW/g
Maximum value of SAR (measured) = 0.351 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.18 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.190 mW/g
Maximum value of SAR (measured) = 0.346 mW/g



P18 WCDMA II_RMC12.2K_Right Tilted_Ch9262

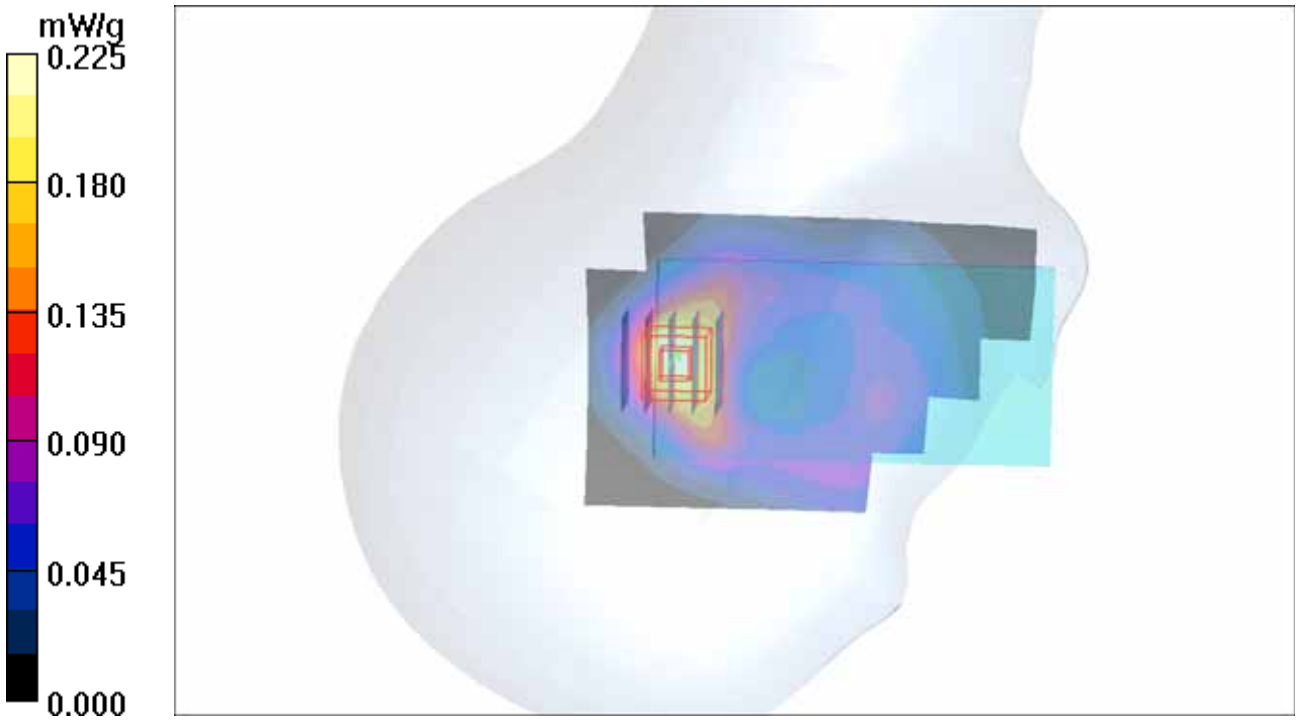
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.4 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.225 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 0.293 W/kg
SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.111 mW/g
Maximum value of SAR (measured) = 0.243 mW/g



P19 WCDMA II_RMC12.2K_Left Cheek_Ch9262

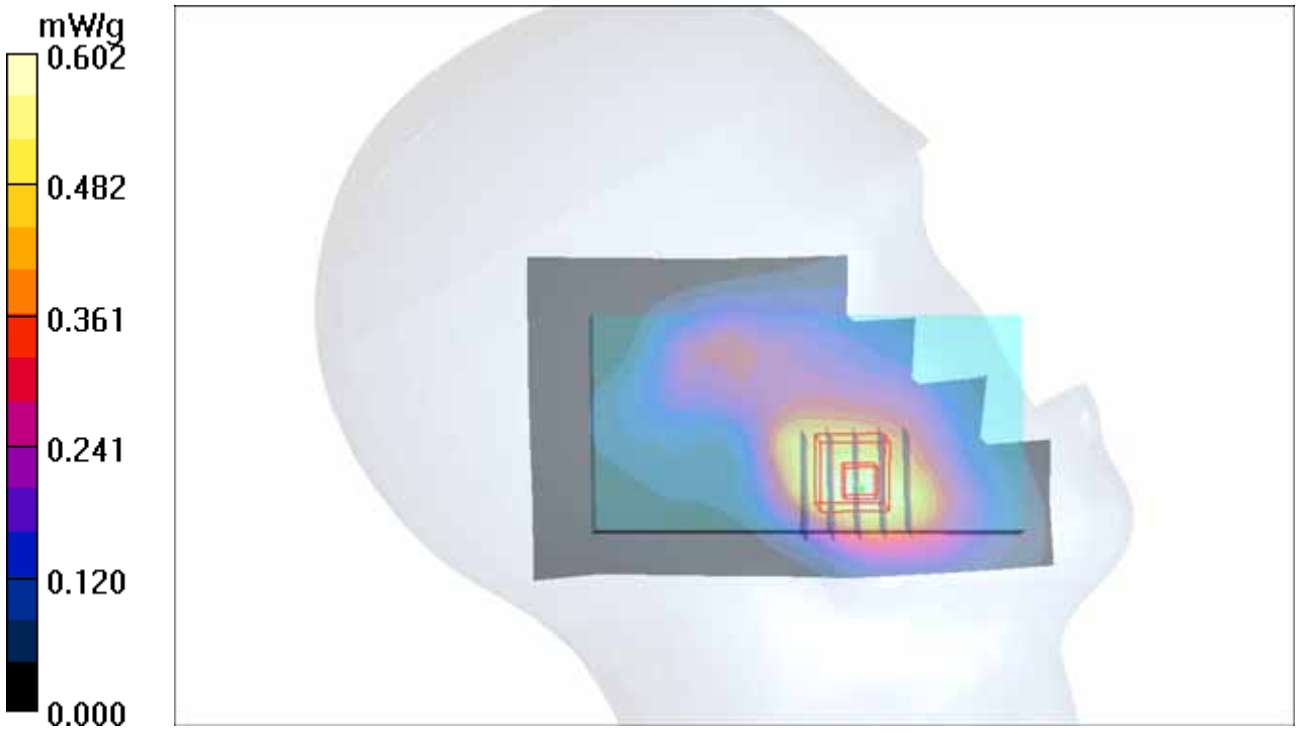
DUT: 120723C24

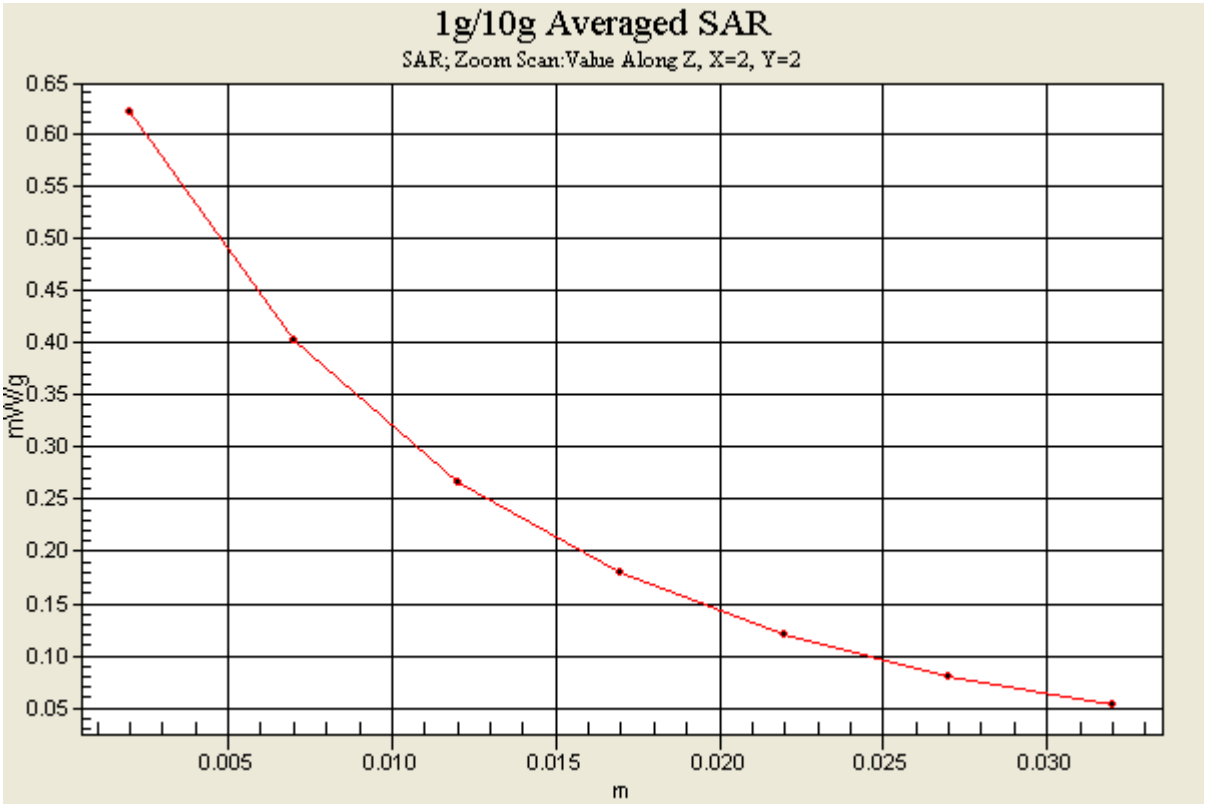
Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.4 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.602 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.57 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.620 mW/g




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

P20 WCDMA II_RMC12.2K_Left Tilted_Ch9262

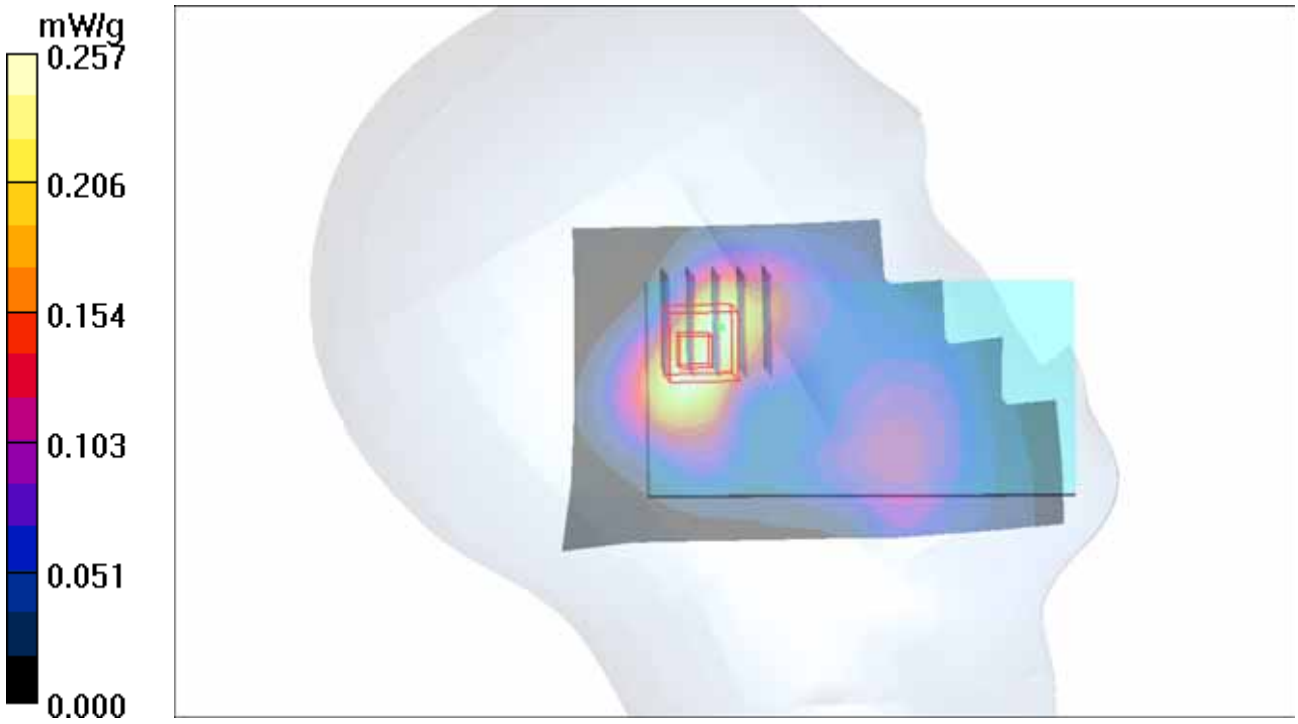
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: H1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.4 mho/m; ε_r = 39.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.8 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); 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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.257 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.112 dB
Peak SAR (extrapolated) = 0.296 W/kg
SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.128 mW/g
Maximum value of SAR (measured) = 0.248 mW/g



P101 802.11b_Right Cheek_Ch11

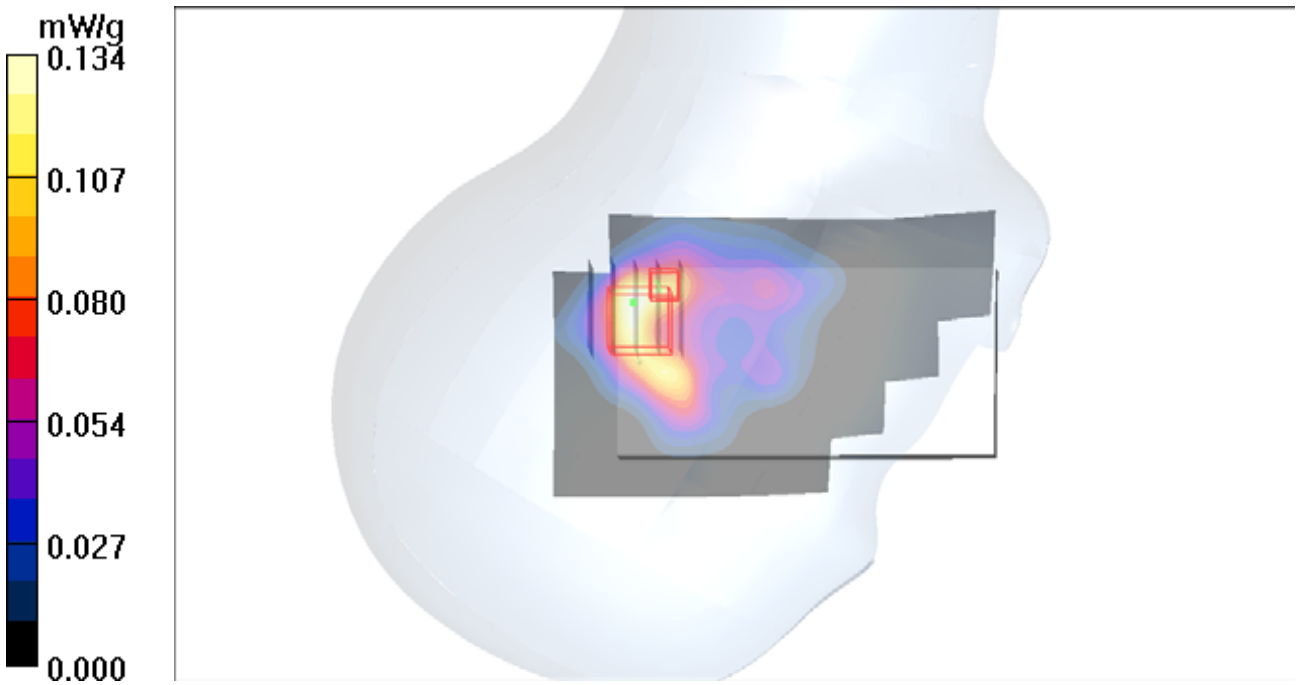
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0823 Medium parameters used: f = 2462 MHz; σ = 1.81 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); 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

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.134 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.60 V/m; Power Drift = 0.196 dB
Peak SAR (extrapolated) = 0.121 W/kg
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.029 mW/g
Maximum value of SAR (measured) = 0.089 mW/g



P102 802.11b_Right Tilted_Ch11

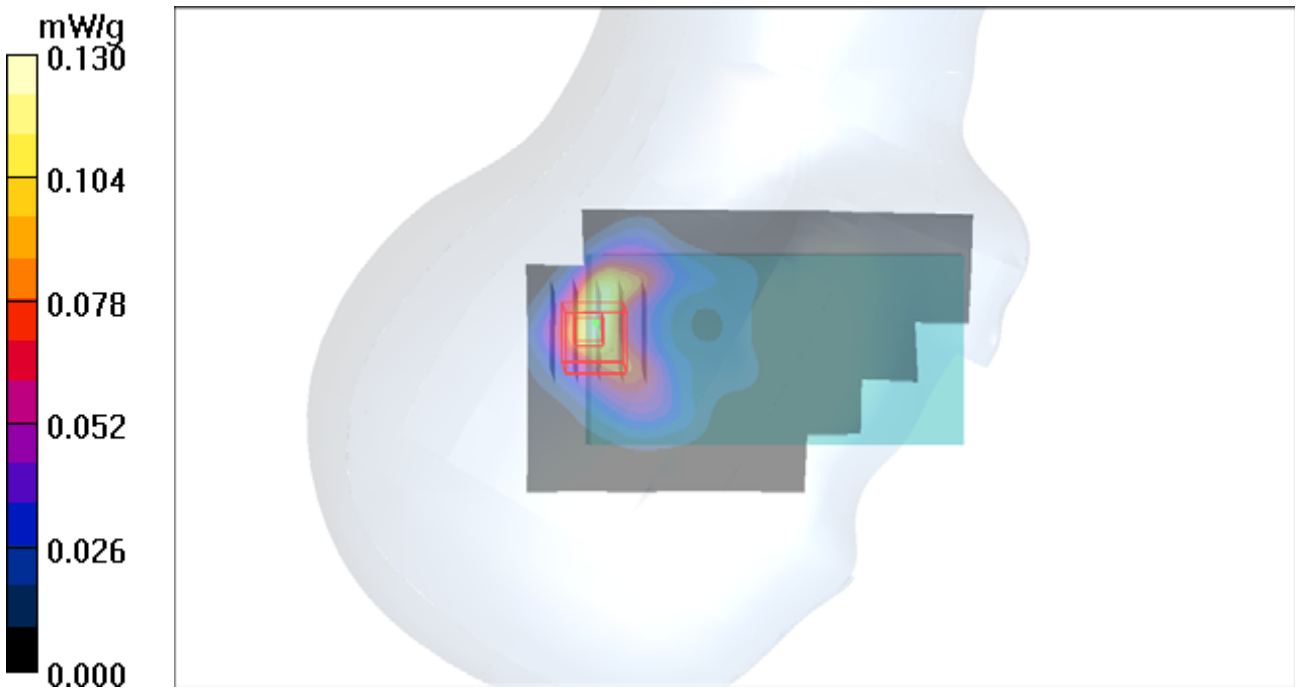
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0823 Medium parameters used: f = 2462 MHz; σ = 1.81 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); 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

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.130 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.54 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.138 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.102 mW/g



P103 802.11b_Left Cheek_Ch11

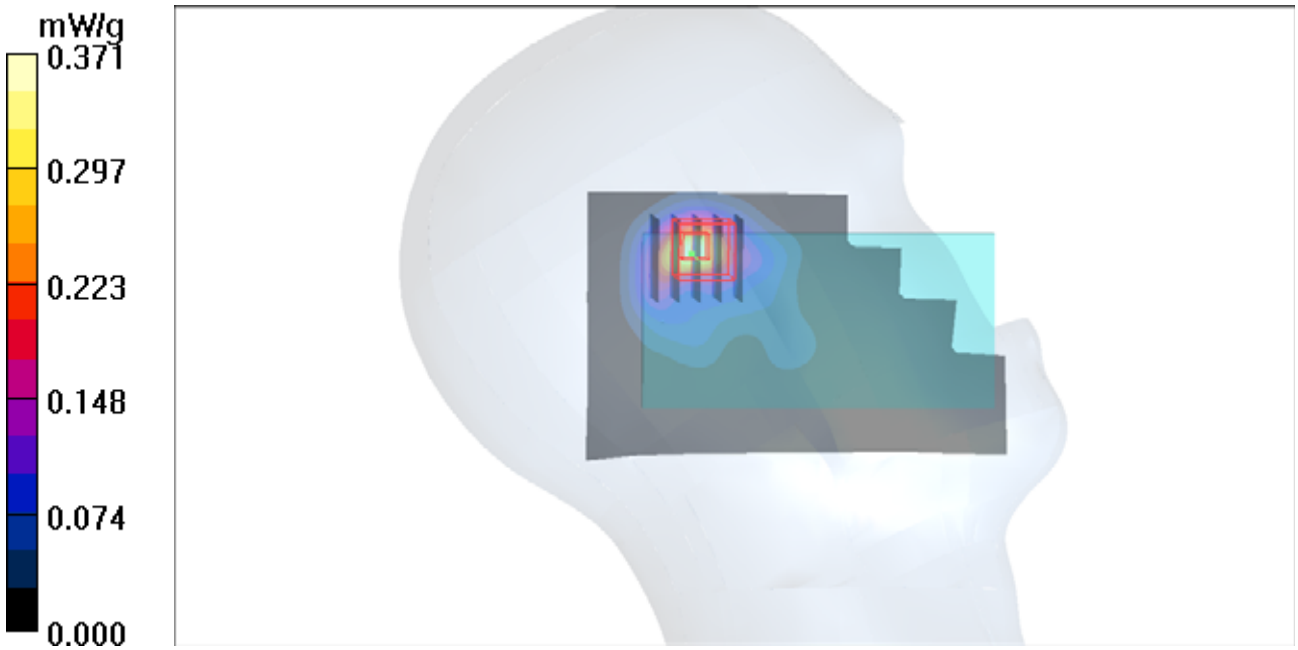
DUT: 120723C24

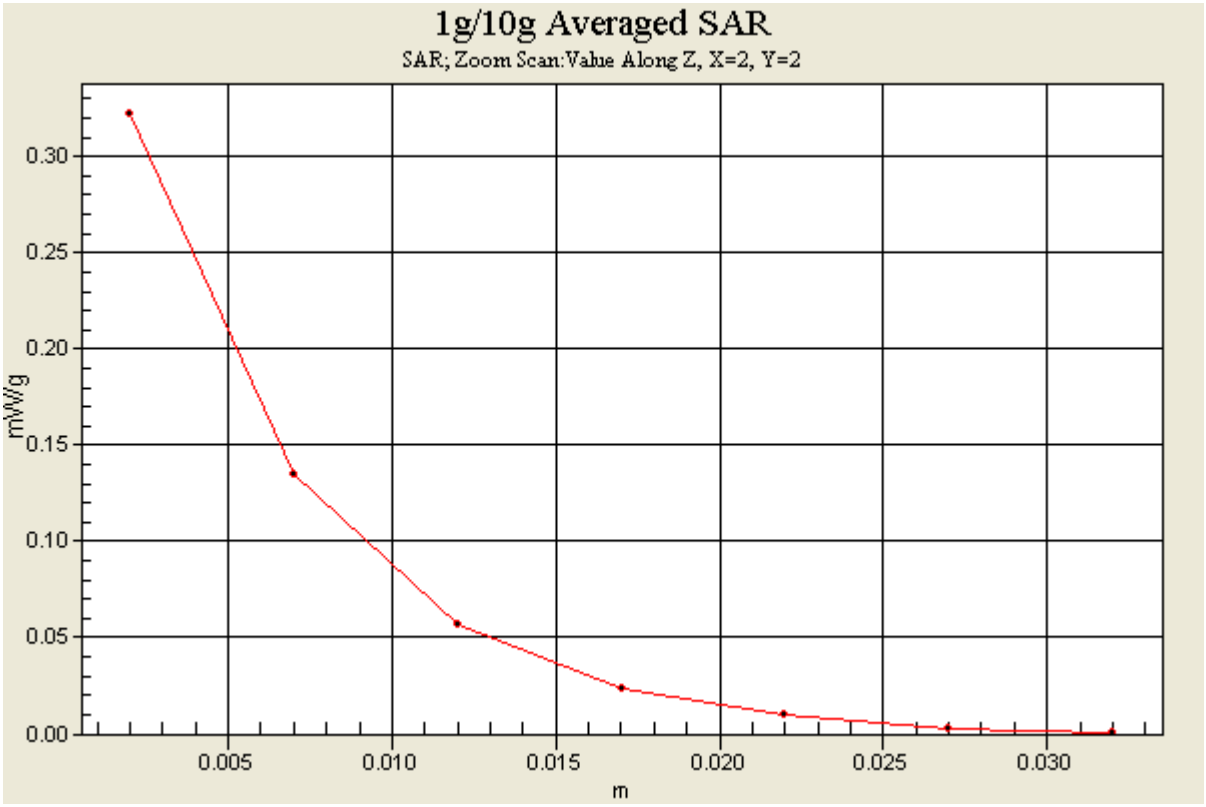
Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0823 Medium parameters used: f = 2462 MHz; σ = 1.81 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); 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

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.371 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.01 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.322 mW/g




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

P104 802.11b_Left Tilted_Ch11

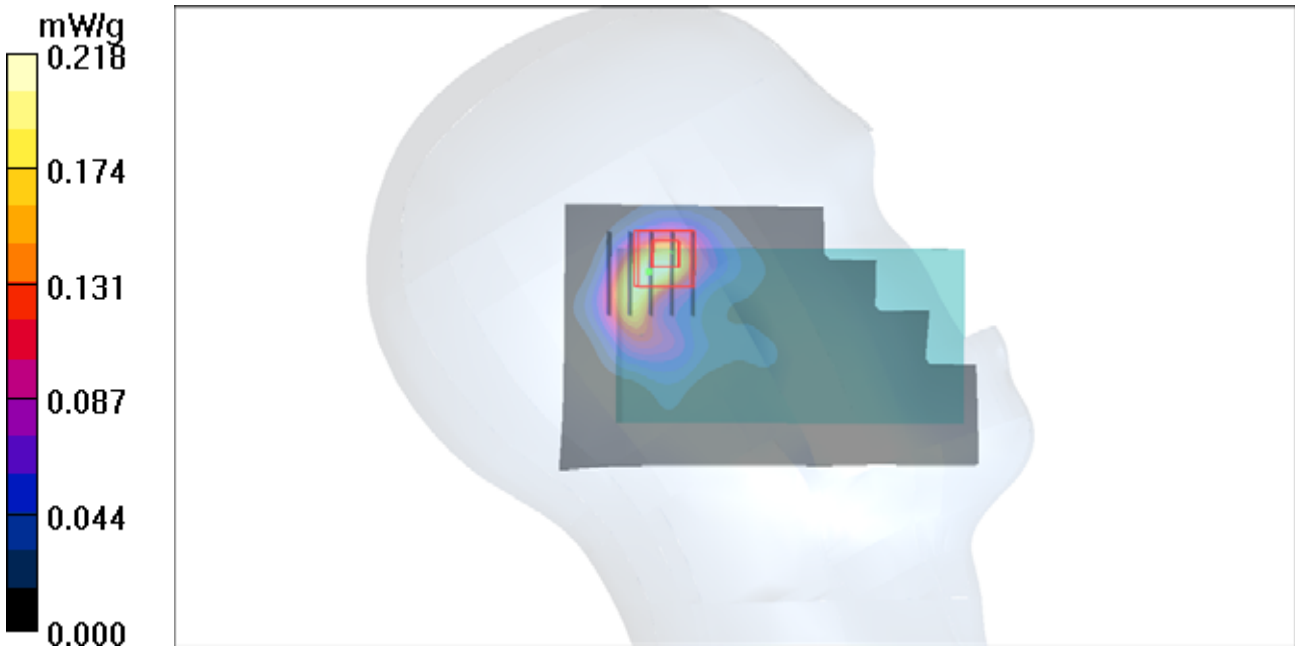
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: H2450_0823 Medium parameters used: f = 2462 MHz; σ = 1.81 mho/m; ε_r = 40.1; ρ = 1000 kg/m^3
Ambient Temperature：21.6 ℃; Liquid Temperature：20.7 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); 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

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.218 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.81 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 0.266 W/kg
SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.053 mW/g
Maximum value of SAR (measured) = 0.186 mW/g



P50 GSM850_GPRS12_Front Face_1cm_Ch251

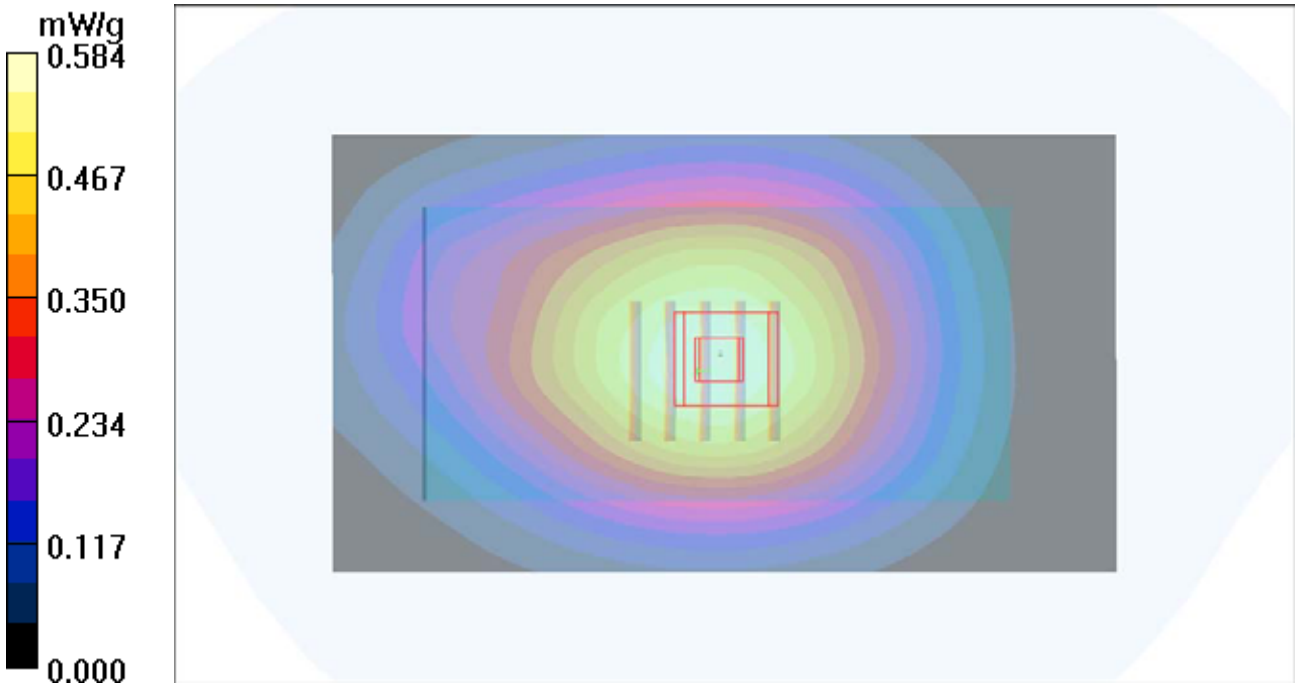
DUT: 120723C24

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.584 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.6 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.357 mW/g
Maximum value of SAR (measured) = 0.550 mW/g



P51 GSM850_GPRS12_Rear Face_1cm_Ch251

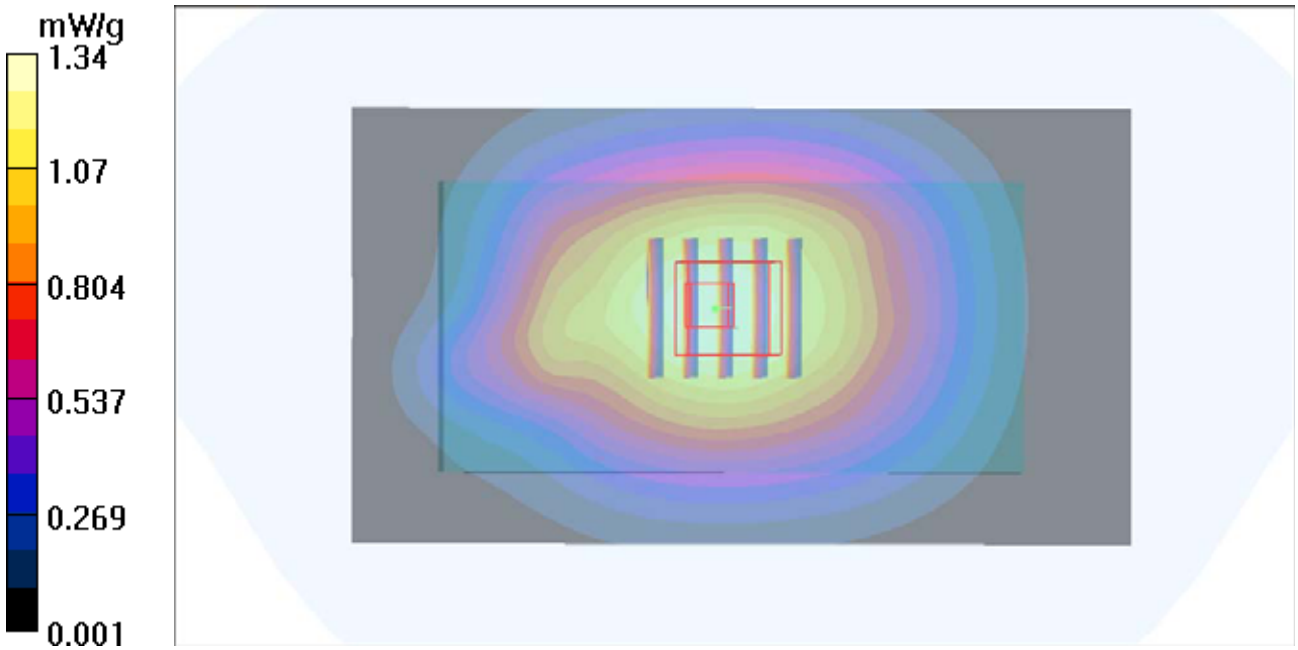
DUT: 120723C24

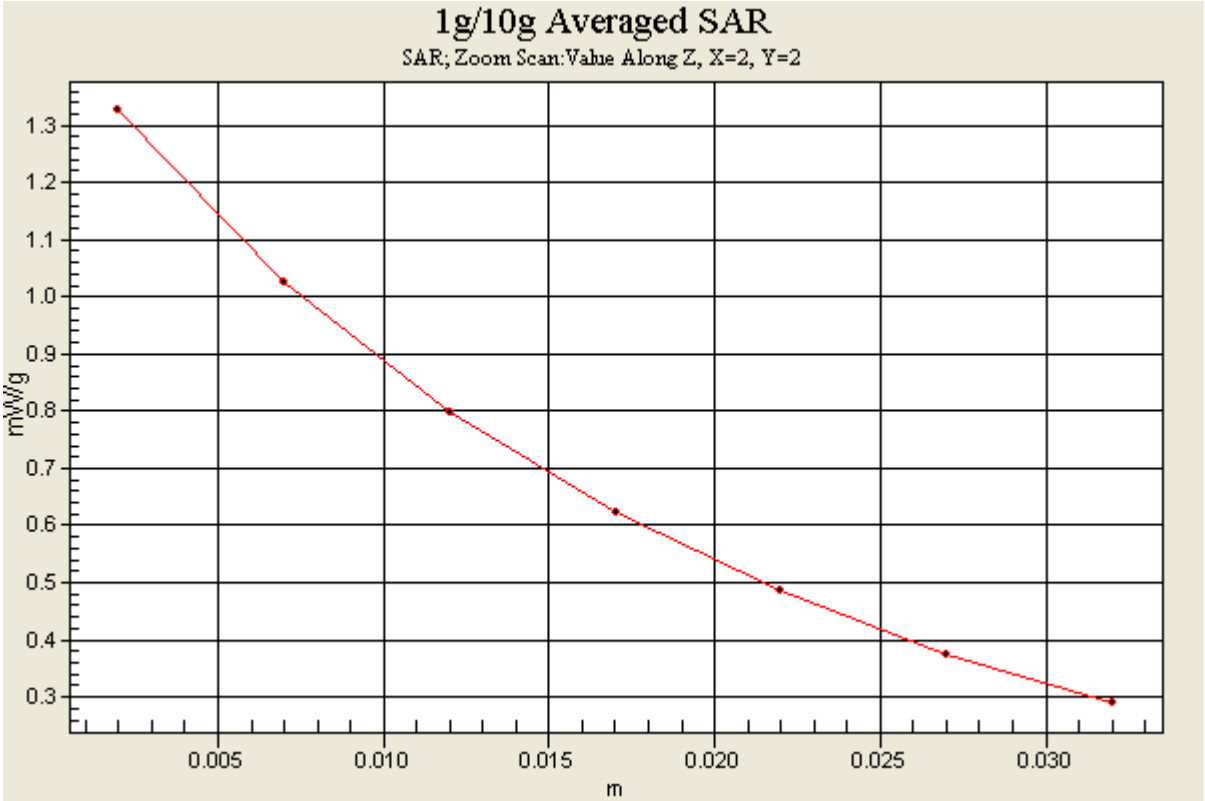
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.34 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.4 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.863 mW/g
Maximum value of SAR (measured) = 1.33 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.005
0.010
0.015
0.020
0.025
0.030
m

P52 GSM850_GPRS12_Left Side_1cm_Ch251

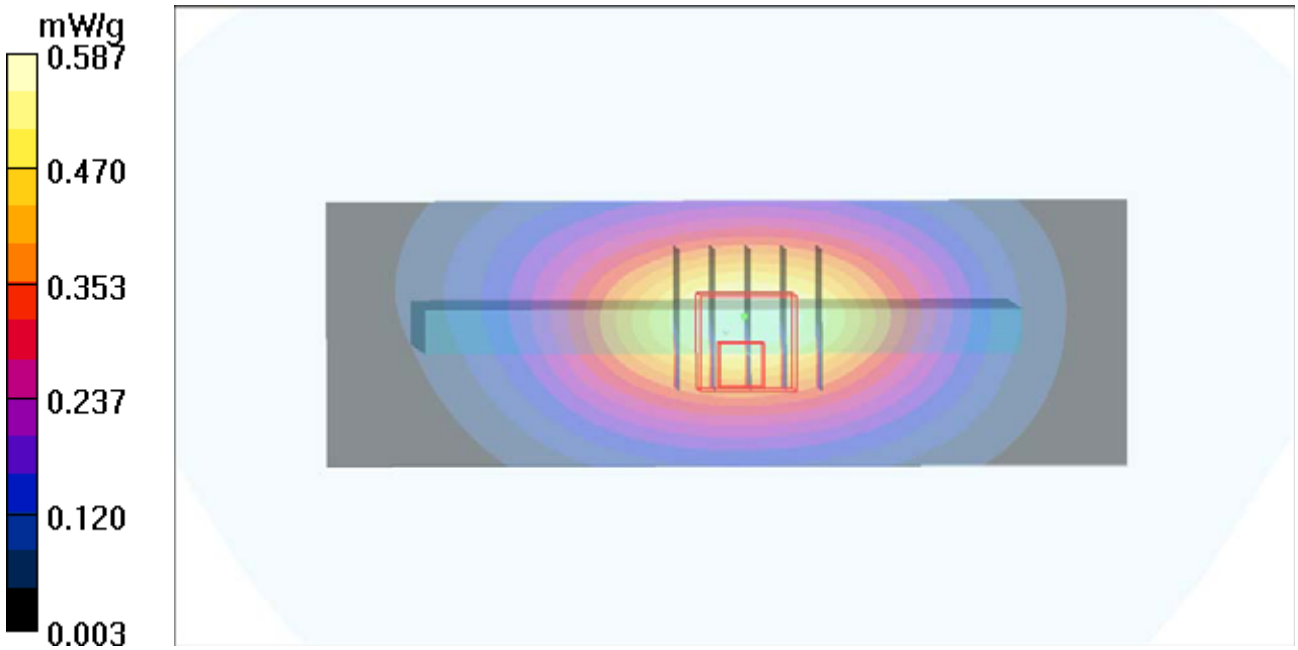
DUT: 120723C24

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.587 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.7 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.220 mW/g
Maximum value of SAR (measured) = 0.537 mW/g



P53 GSM850_GPRS12_Right Side_1cm_Ch251

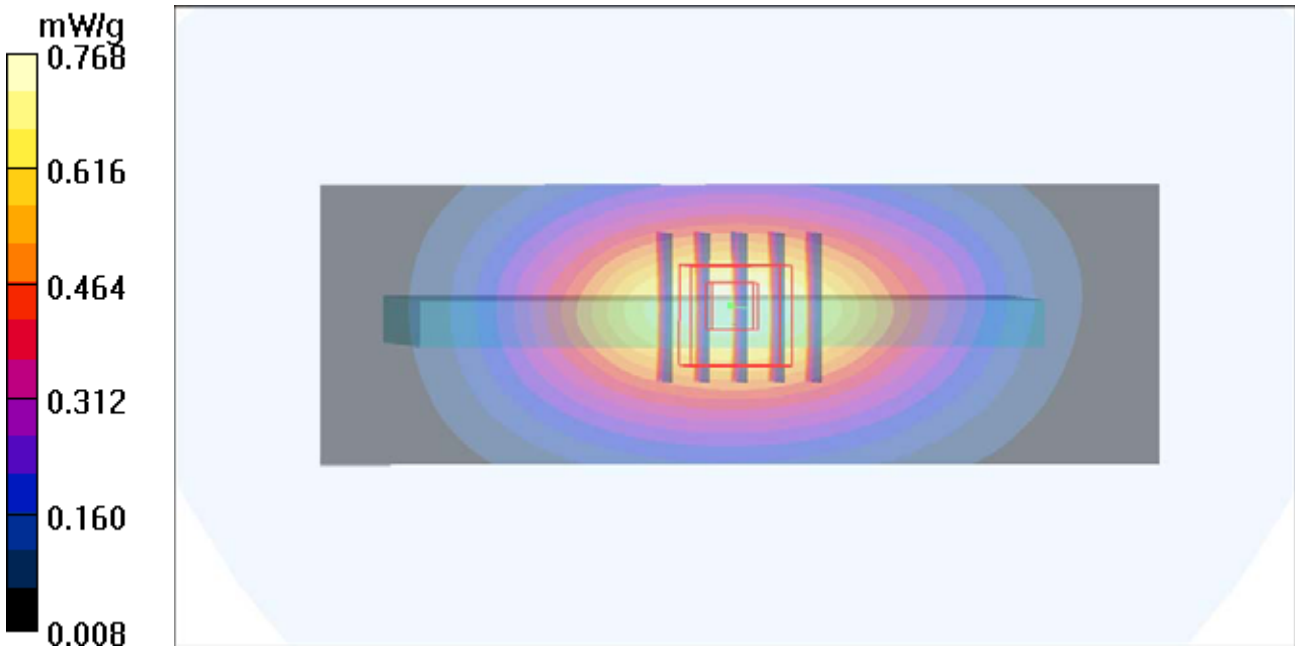
DUT: 120723C24

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.768 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.9 V/m; Power Drift = 0.005 dB
Peak SAR (extrapolated) = 0.989 W/kg
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.432 mW/g
Maximum value of SAR (measured) = 0.775 mW/g



P54 GSM850_GPRS12_Bottom Side_1cm_Ch251

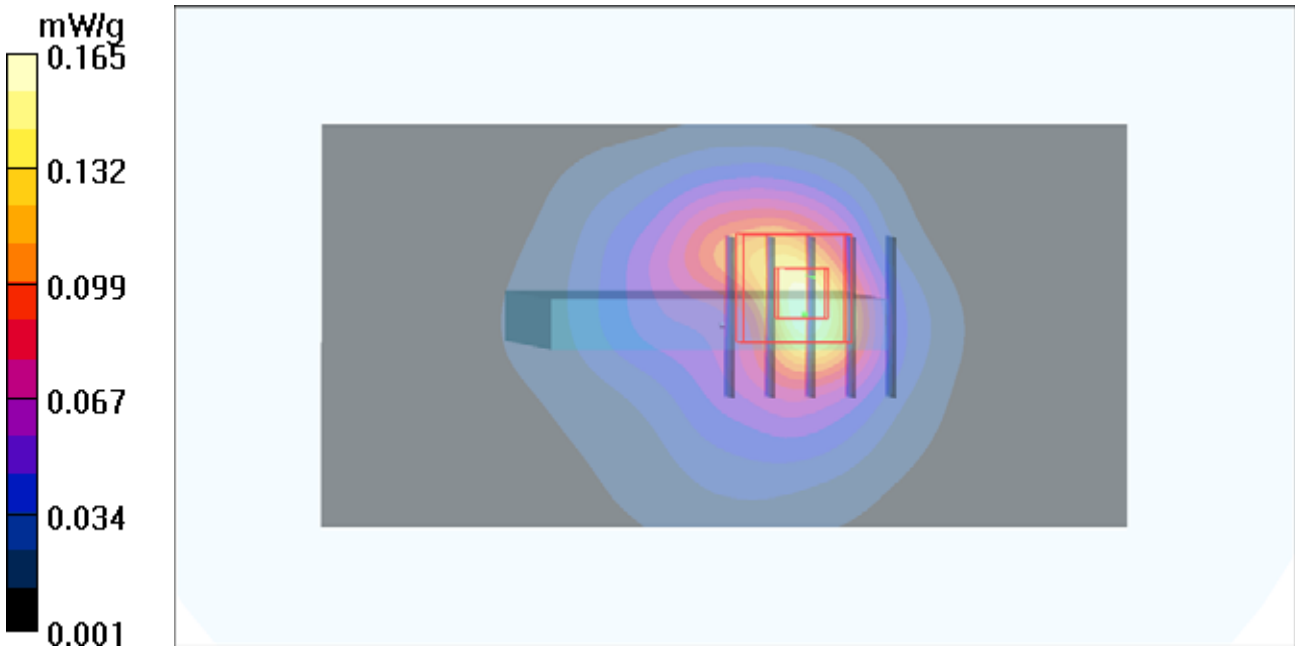
DUT: 120723C24

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.165 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.98 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.073 mW/g
Maximum value of SAR (measured) = 0.171 mW/g



P87 GSM850_GPRS12_Rear Face_1cm_Ch128

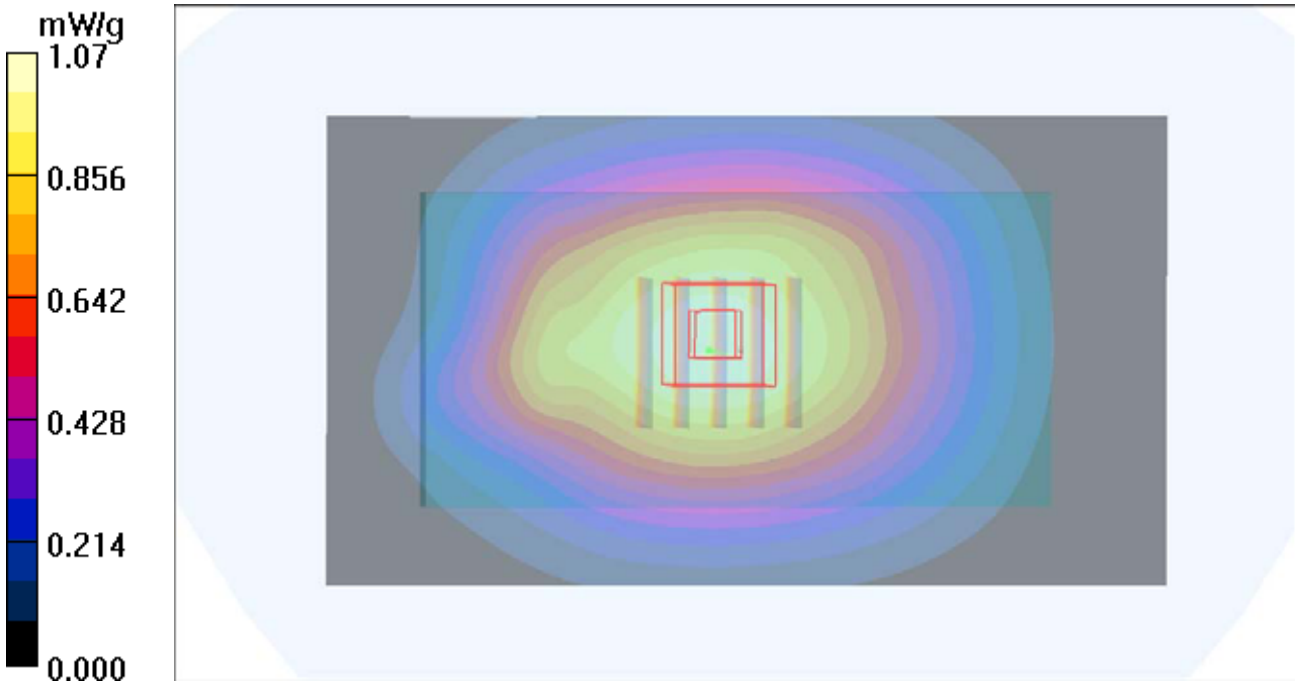
DUT: 120723C24

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used : f = 824.2 MHz; σ = 0.967 mho/m; ε_r = 55.7; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch128/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.07 mW/g

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.7 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.912 mW/g; SAR(10 g) = 0.688 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



P88 GSM850_GPRS12_Rear Face_1cm_Ch189

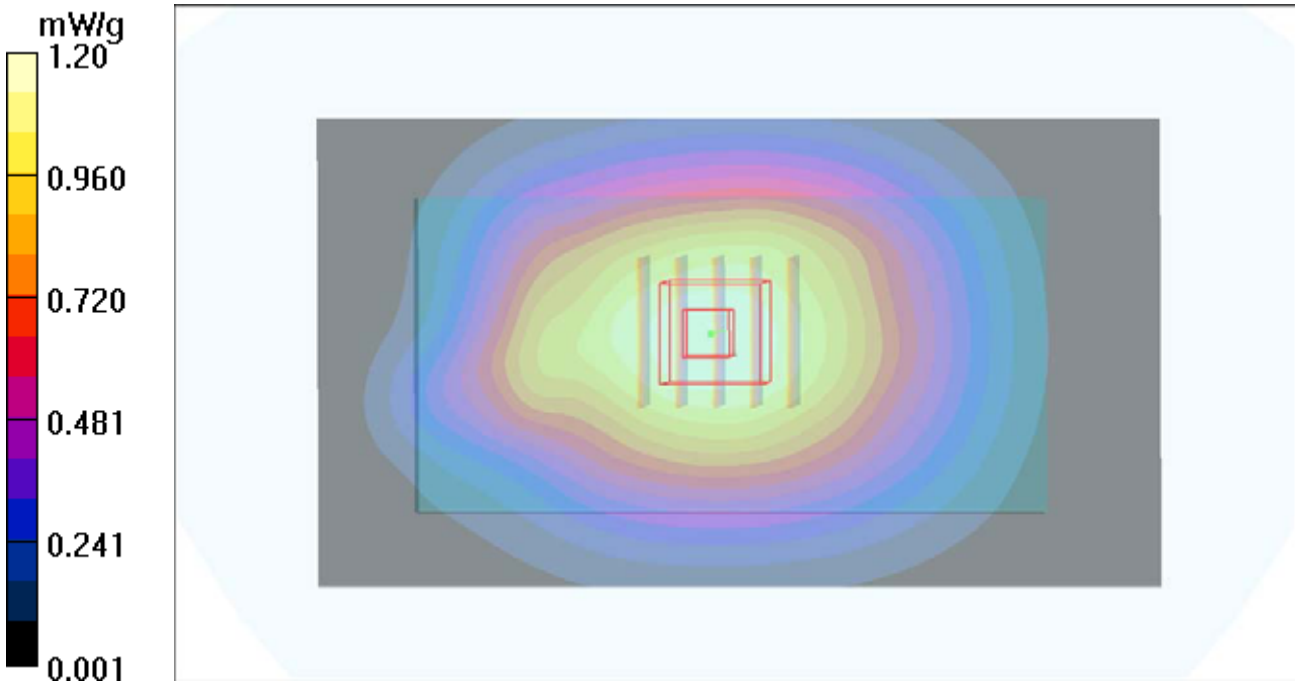
DUT: 120723C24

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used : f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.20 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 33.6 V/m; Power Drift = 0.024 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.770 mW/g
Maximum value of SAR (measured) = 1.18 mW/g



P55 GSM850_GPRS12_Front Face_1cm_Ch251_Earphone

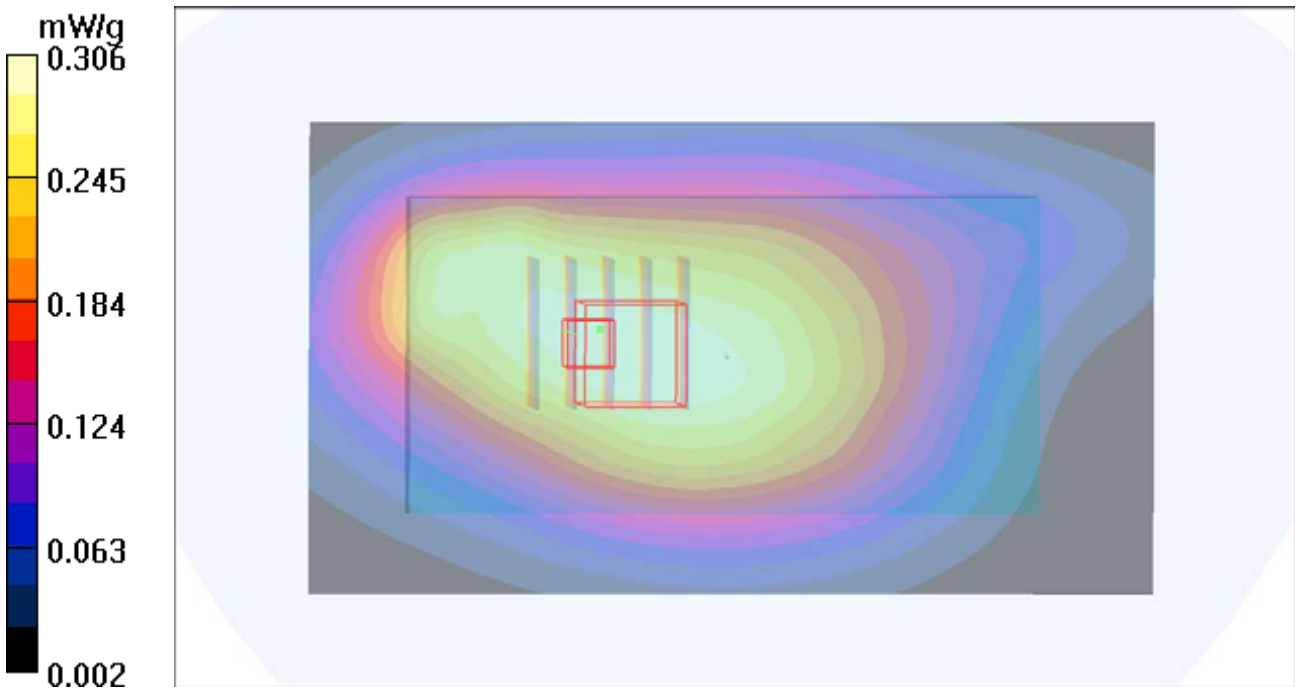
DUT: 120723C24

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.306 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.6 V/m; Power Drift = 0.065 dB
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 0.307 mW/g



P56 GSM850_GPRS12_Rear Face_1cm_Ch251_Earphone

DUT: 120723C24

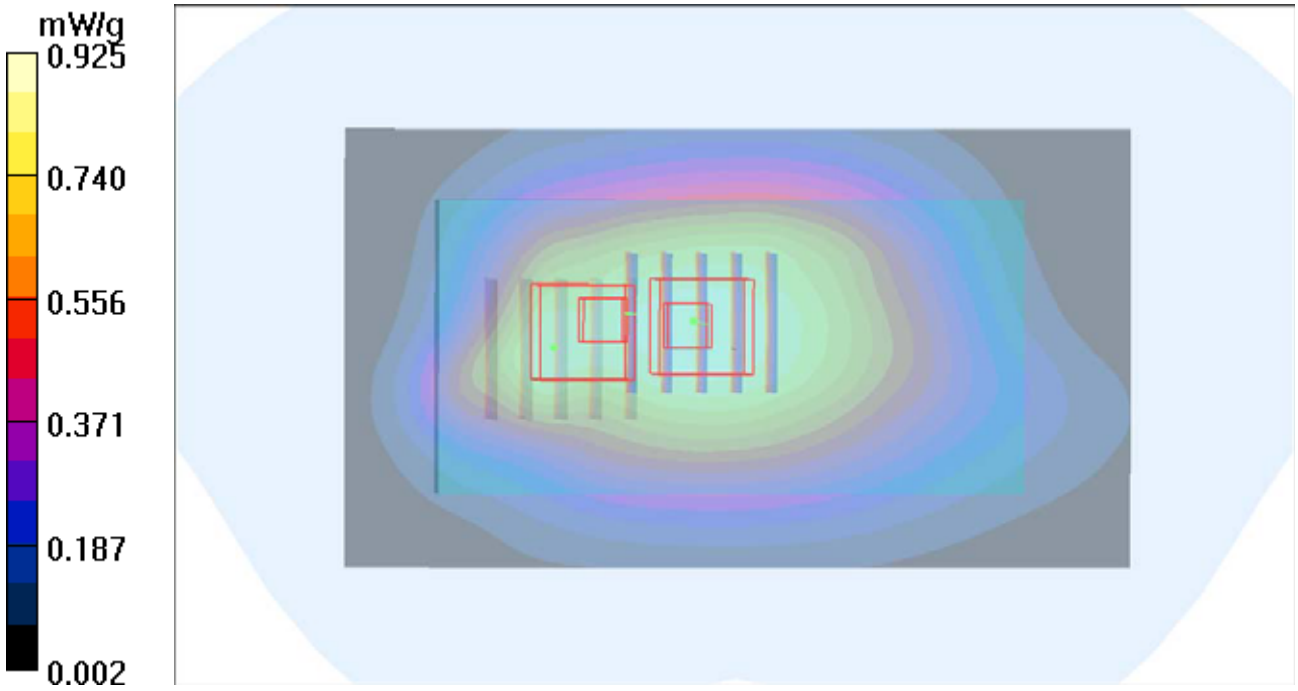
Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium: B835_0824 Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 55.5; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch251/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.925 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.2 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.602 mW/g
Maximum value of SAR (measured) = 0.926 mW/g

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.2 V/m; Power Drift = 0.103 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.463 mW/g
Maximum value of SAR (measured) = 0.867 mW/g



P57 GSM1900_GPRS12_Front Face_1cm_Ch512

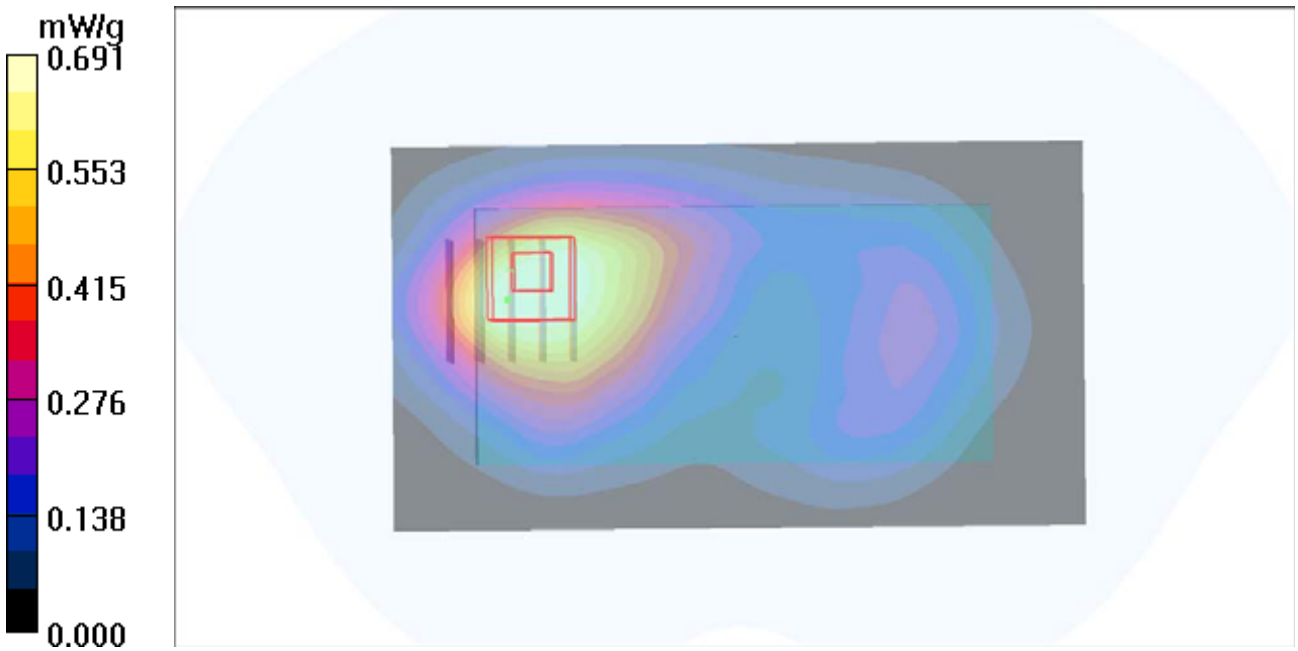
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used : f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.691 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.73 V/m; Power Drift = 0.034 dB
Peak SAR (extrapolated) = 0.950 W/kg
SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.350 mW/g
Maximum value of SAR (measured) = 0.770 mW/g



P58 GSM1900_GPRS12_Rear Face_1cm_Ch512

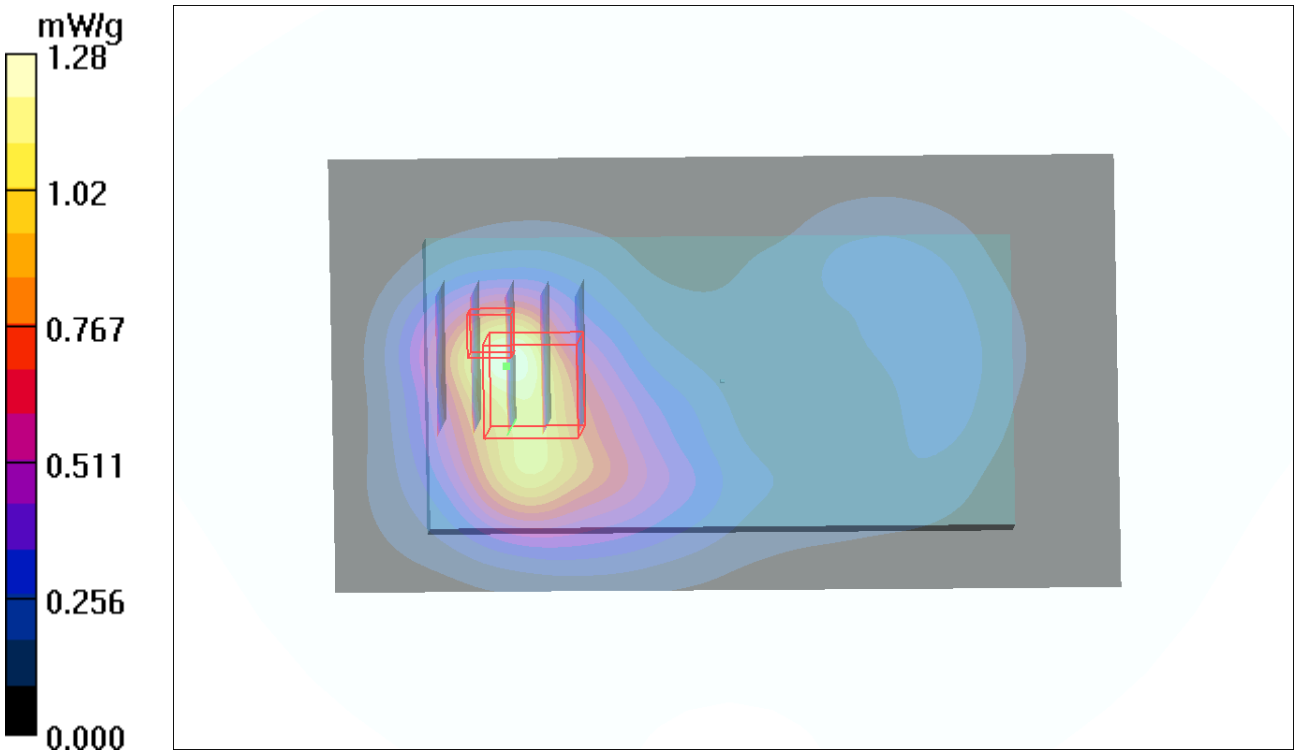
DUT: 120723C24

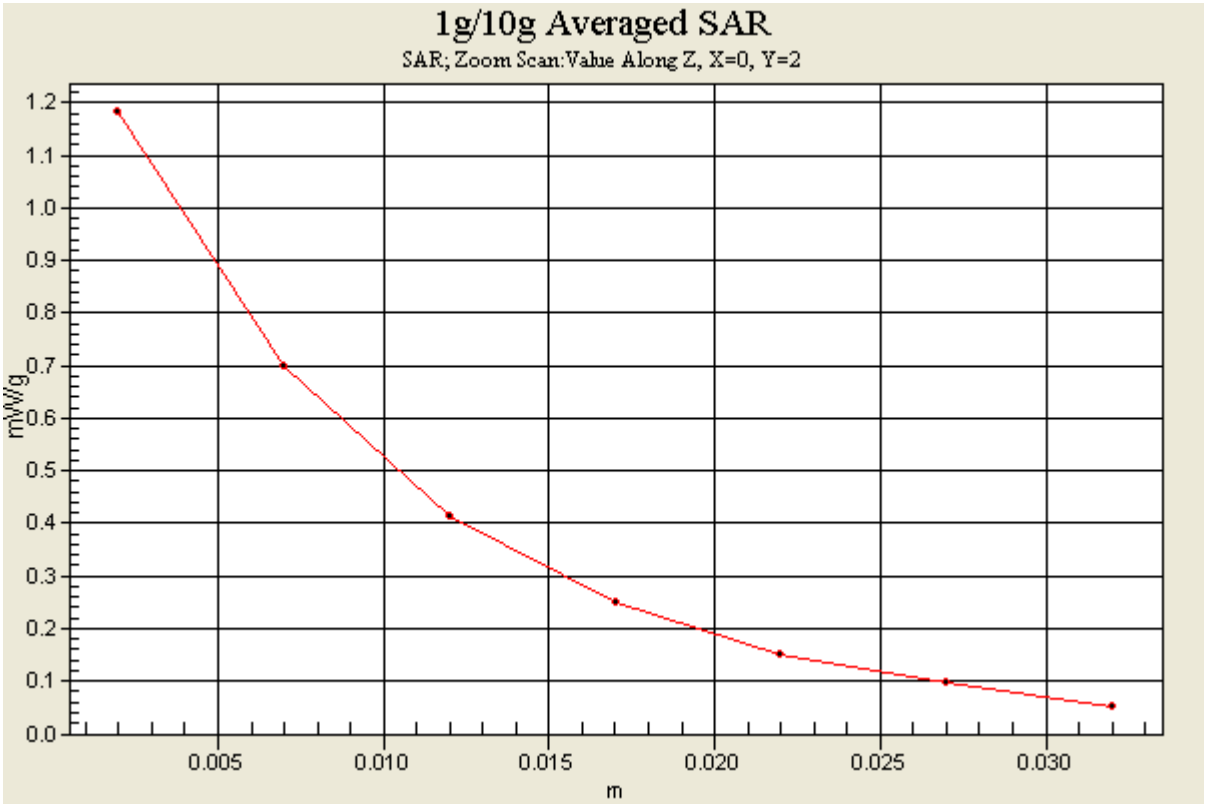
Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.28 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.17 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.797 mW/g; SAR(10 g) = 0.461 mW/g
Maximum value of SAR (measured) = 1.18 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=0, Y=2
mW/g
m
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.005
0.010
0.015
0.020
0.025
0.030

P59 GSM1900_GPRS12_Left Side_1cm_Ch512

DUT: 120723C24

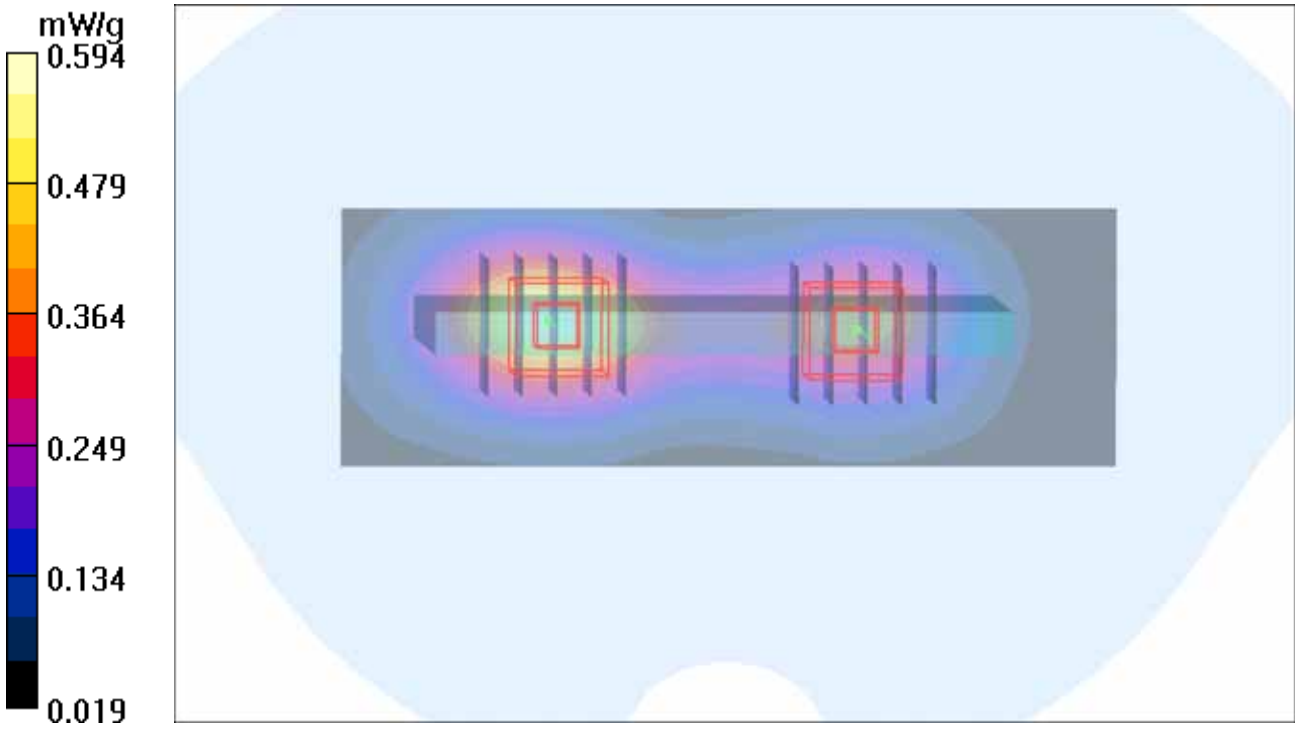
Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.594 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 0.706 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.272 mW/g
Maximum value of SAR (measured) = 0.588 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.8 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 0.496 W/kg
SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.193 mW/g
Maximum value of SAR (measured) = 0.414 mW/g



P60 GSM1900_GPRS12_Right Side_1cm_Ch512

DUT: 120723C24

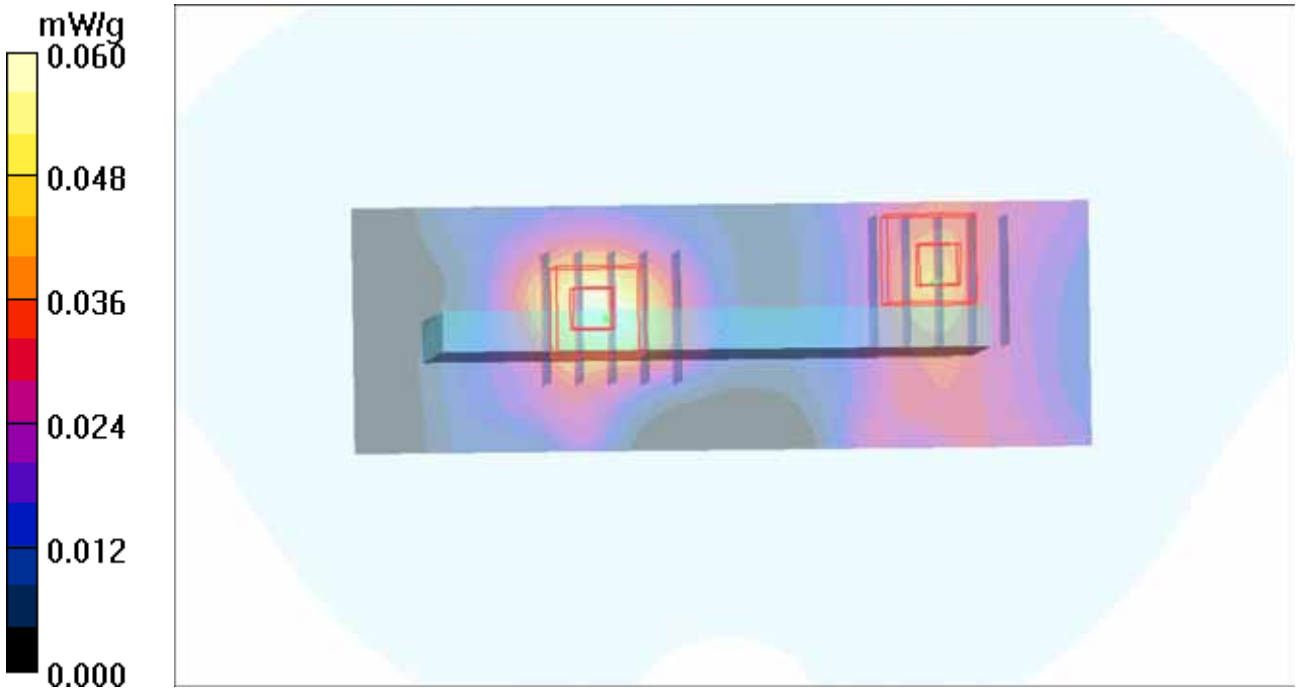
Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.060 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.78 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 0.082 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.065 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.78 V/m; Power Drift = 0.161 dB
Peak SAR (extrapolated) = 0.047 W/kg
SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.020 mW/g
Maximum value of SAR (measured) = 0.040 mW/g



P61 GSM1900_GPRS12_Bottom Side_1cm_Ch512

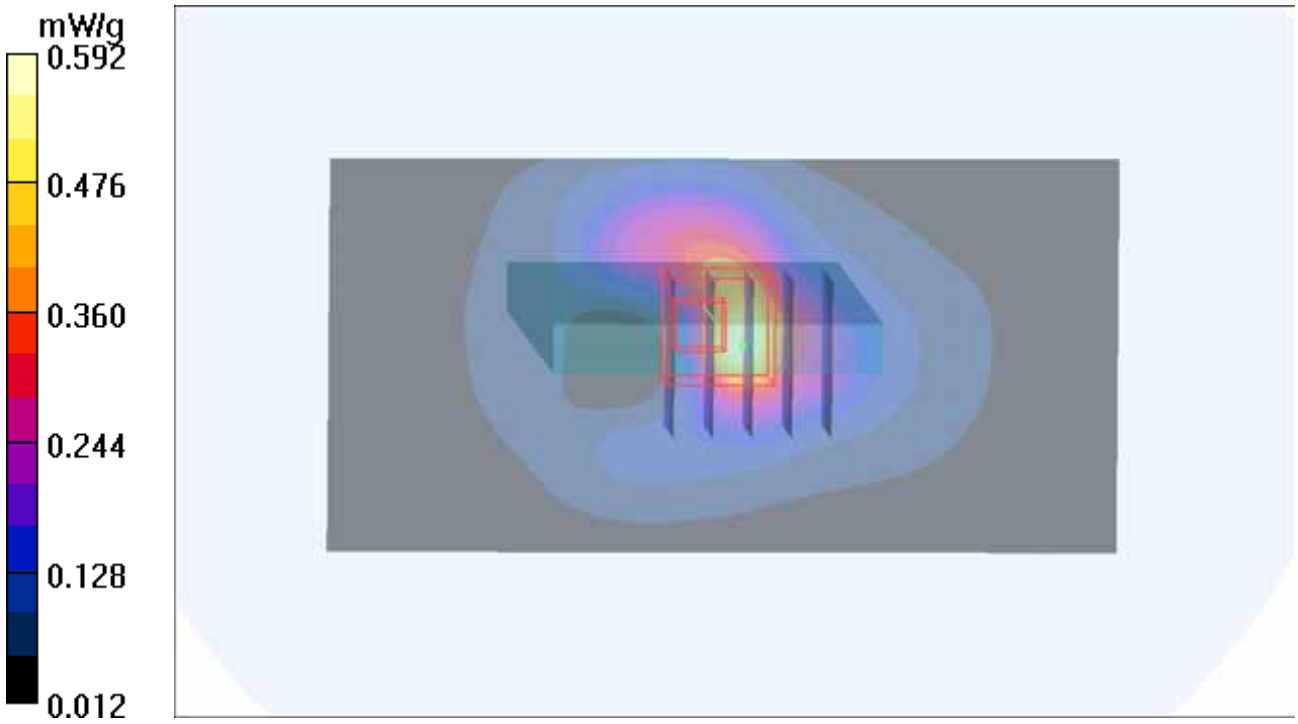
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.592 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.6 V/m; Power Drift = -0.095 dB
Peak SAR (extrapolated) = 0.737 W/kg
SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 0.588 mW/g



P62 GSM1900_GPRS12_Front Face_1cm_Ch512_Earphone

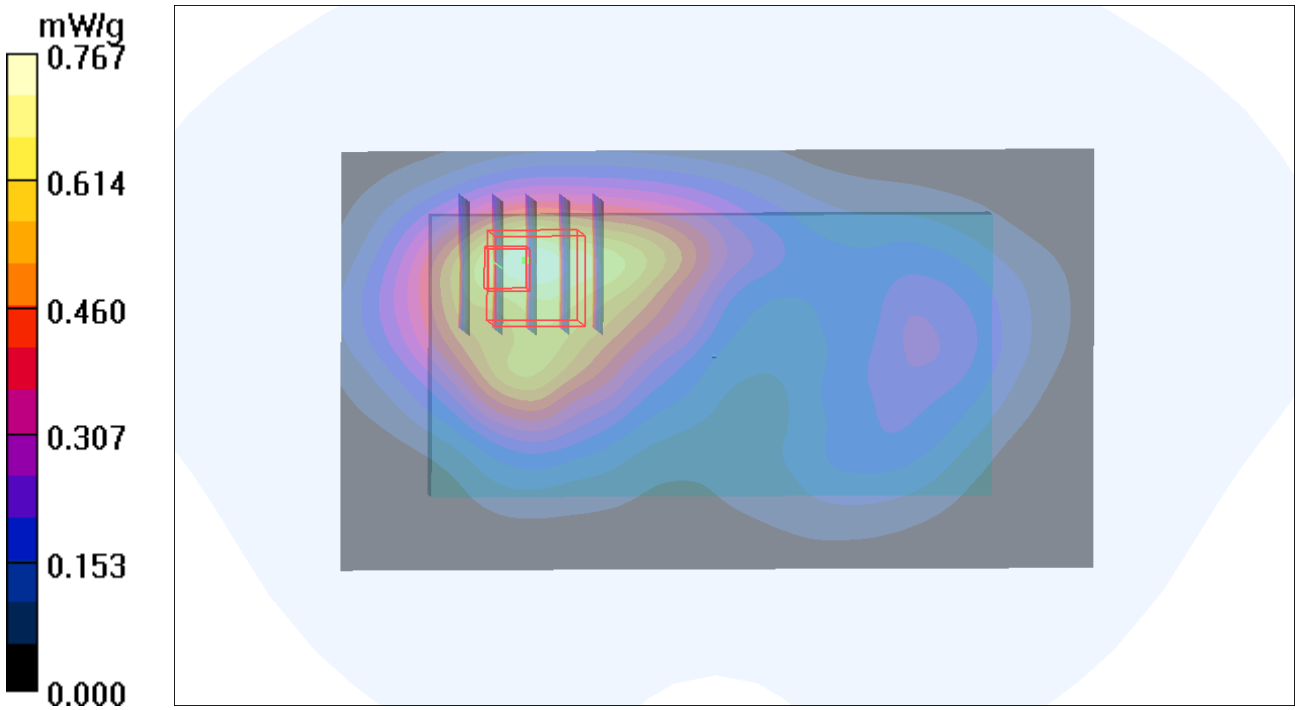
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.767 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.89 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.785 mW/g



P63 GSM1900_GPRS12_Rear Face_1cm_Ch512_Earphone

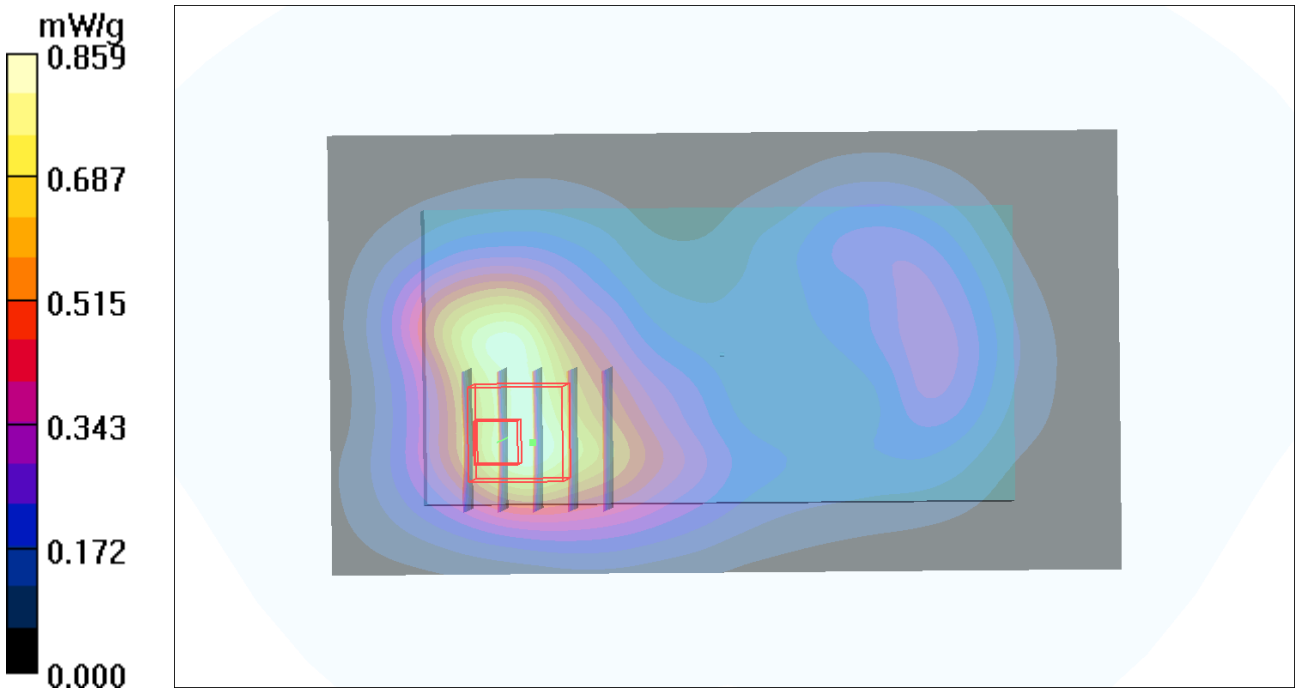
DUT: 120723C24

Communication System: GSM1900 GPRS12; Frequency: 1850.2 MHz;Duty Cycle: 1:2
Medium: B1900_0824 Medium parameters used: f = 1850.2 MHz; σ = 1.48 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch512/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.859 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.32 V/m; Power Drift = -0.106 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.725 mW/g; SAR(10 g) = 0.432 mW/g
Maximum value of SAR (measured) = 0.970 mW/g



P64 WCMDA V_RMC12.2K_Front Face_1cm_Ch4182

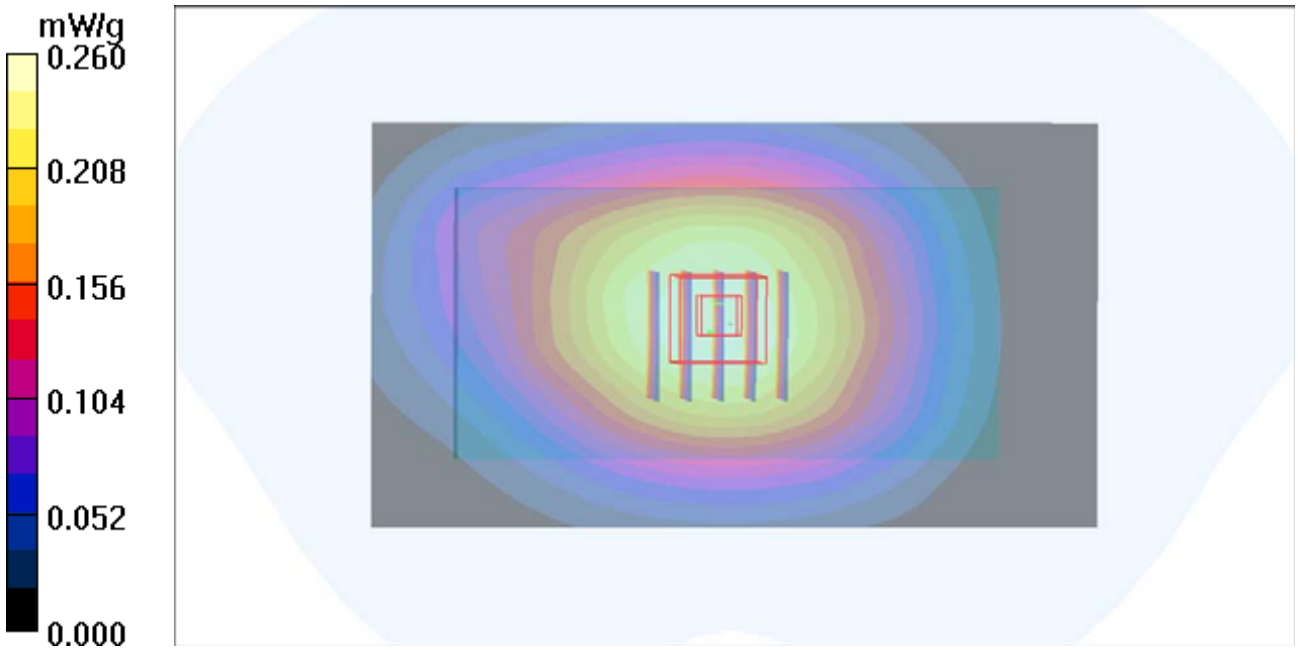
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.260 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.280 W/kg
SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.255 mW/g



P65 WCMDA V_RMC12.2K_Rear Face_1cm_Ch4182

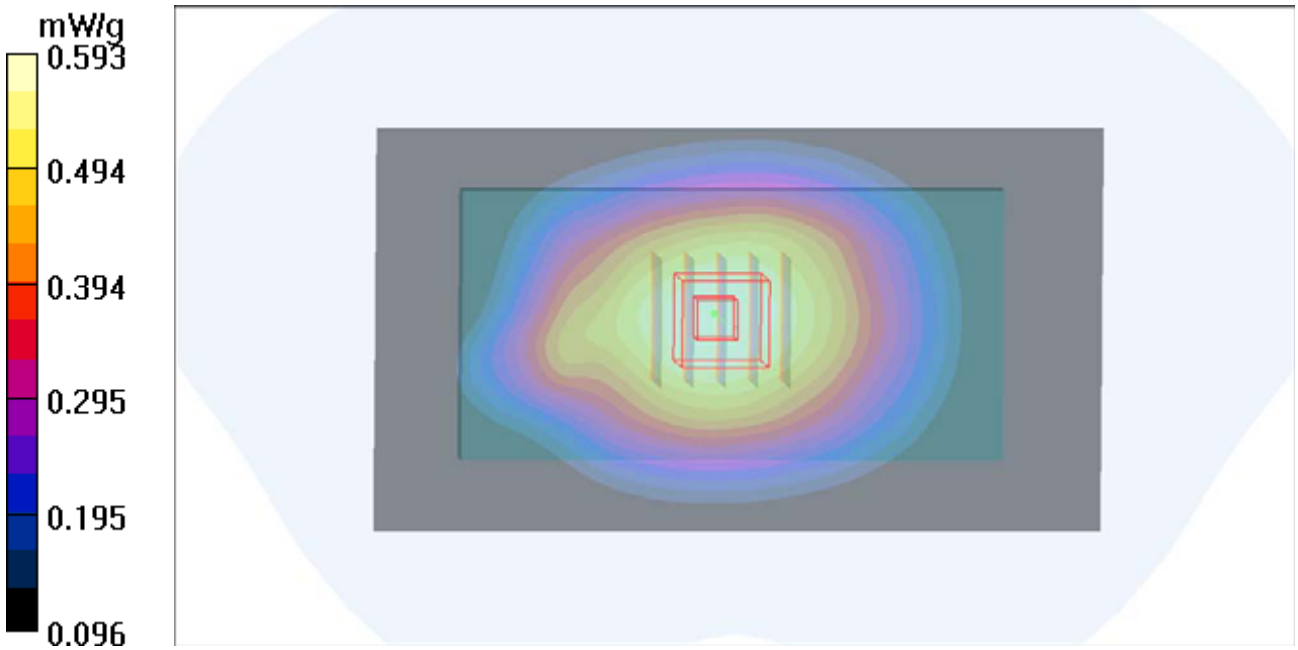
DUT: 120723C24

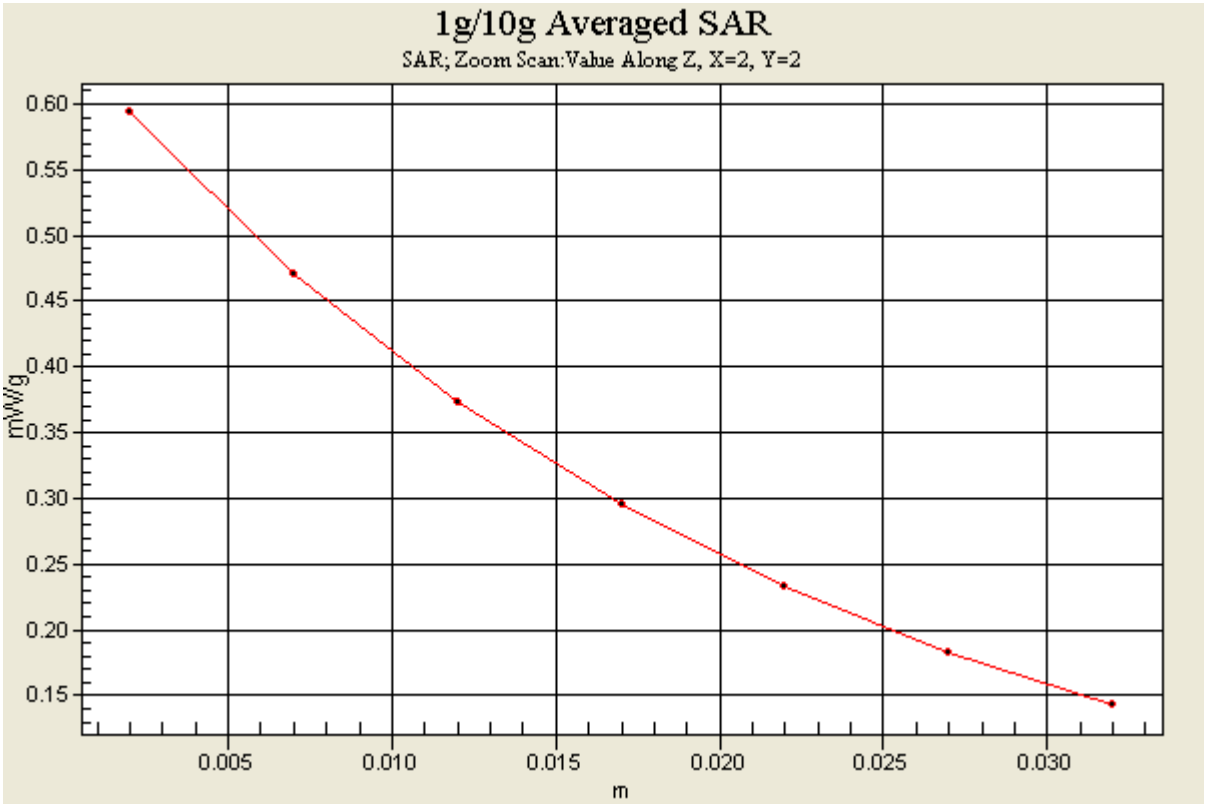
Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.601 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.0 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.650 W/kg
SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.397 mW/g
Maximum value of SAR (measured) = 0.593 mW/g




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

P66 WCMDA V_RMC12.2K_Left Side_1cm_Ch4182

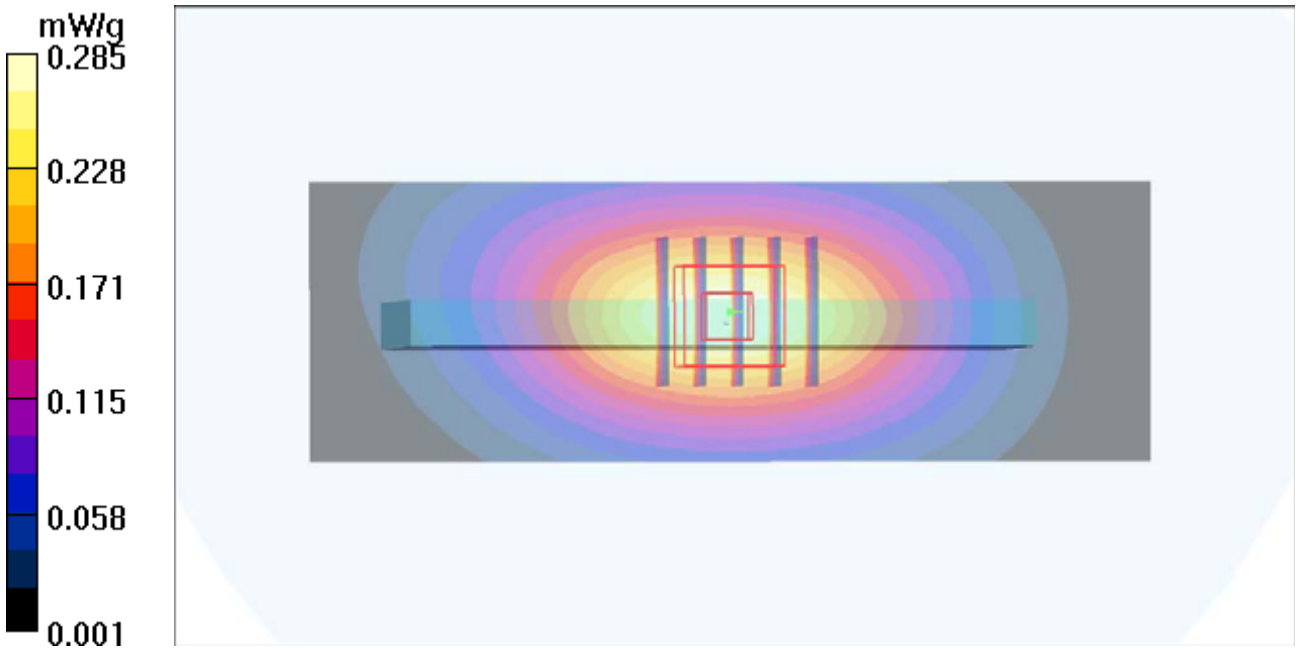
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.285 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.8 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.333 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.163 mW/g
Maximum value of SAR (measured) = 0.289 mW/g



P67 WCMDA V_RMC12.2K_Right Side_1cm_Ch4182

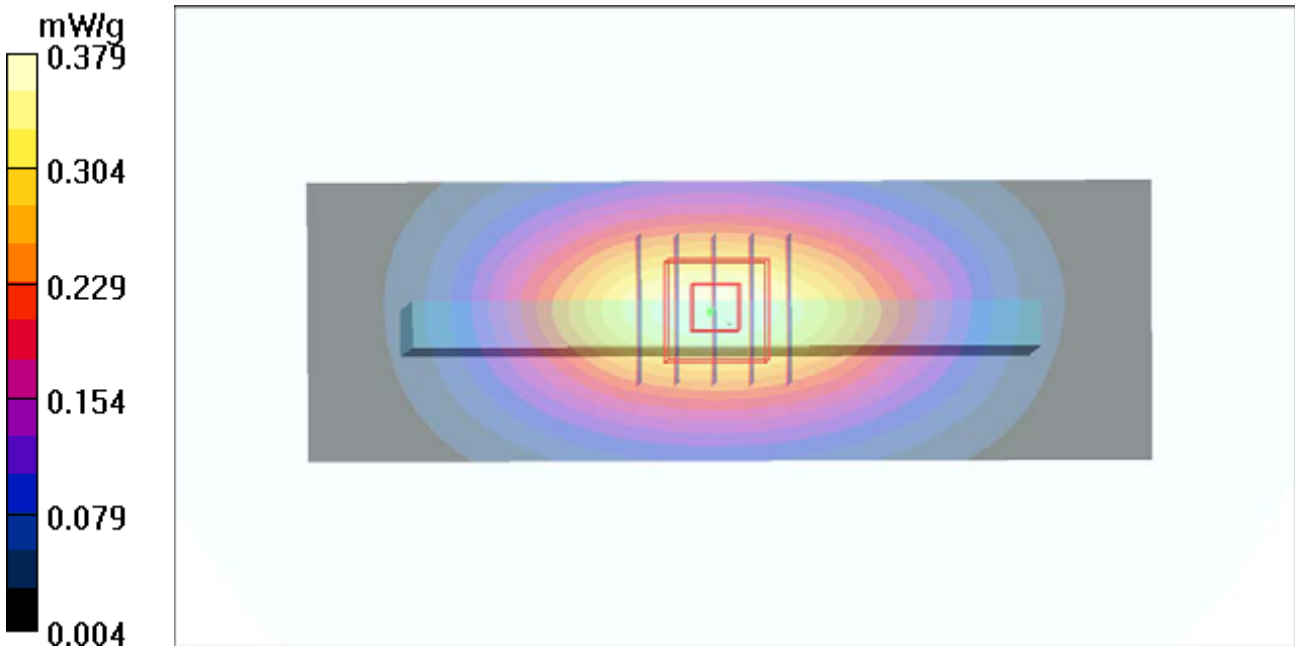
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.379 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.2 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.217 mW/g
Maximum value of SAR (measured) = 0.385 mW/g



P68 WCMDA V_RMC12.2K_Bottom Side_1cm_Ch4182

DUT: 120723C24

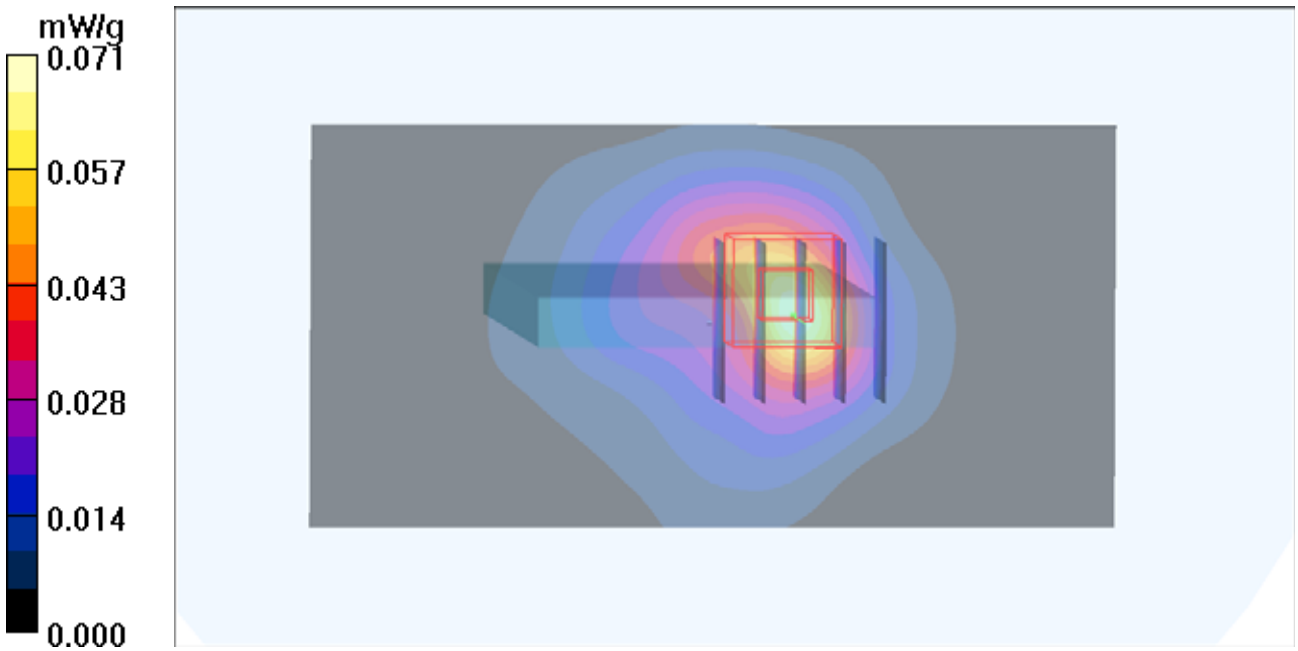
Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.071 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.24 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.099 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.075 mW/g



P69 WCMDA V_RMC12.2K_Front Face_1cm_Ch4182_Earphone

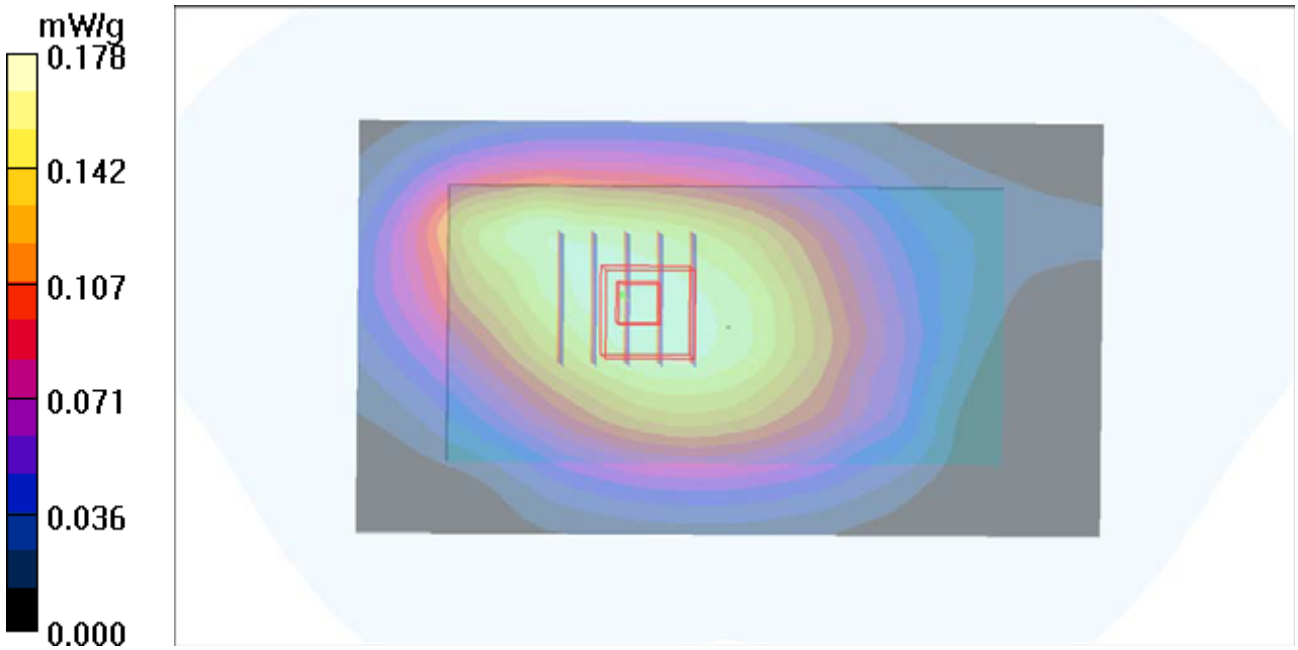
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.178 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.6 V/m; Power Drift = 0.022 dB
Peak SAR (extrapolated) = 0.194 W/kg
SAR(1 g) = 0.154 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.176 mW/g



P70 WCMDA V_RMC12.2K_Rear Face_1cm_Ch4182_Earphone

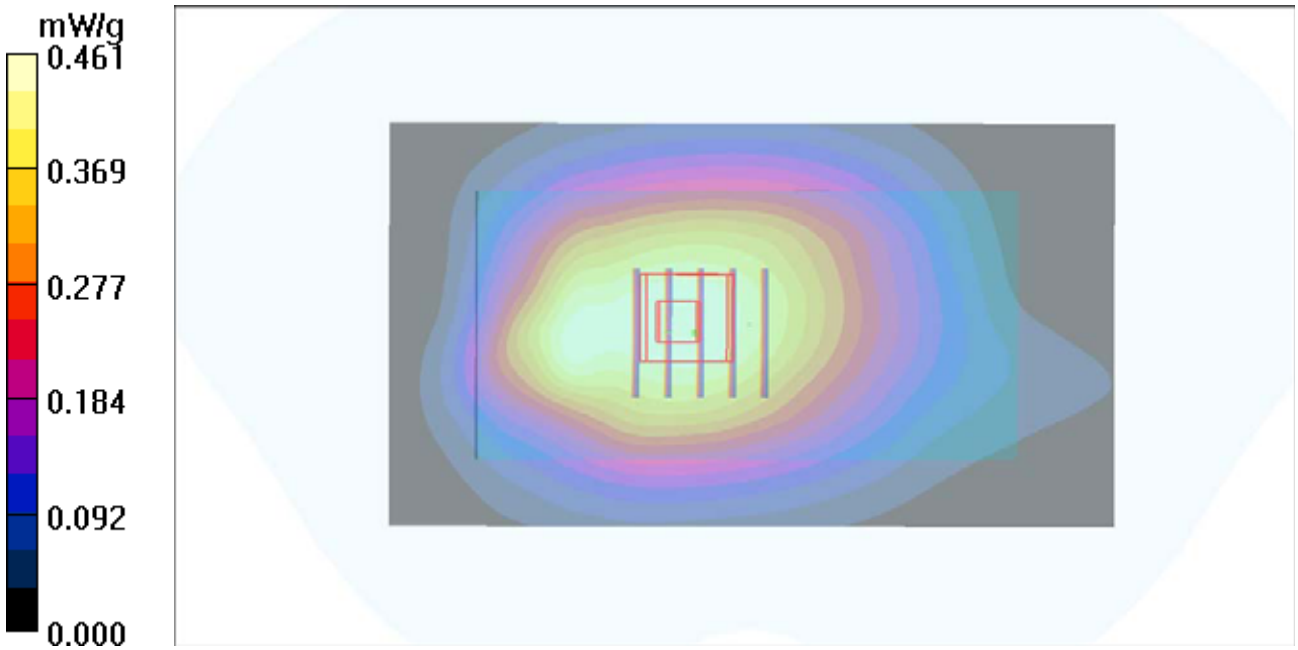
DUT: 120723C24

Communication System: WCDMA V; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: B835_0824 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch4182/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.461 mW/g

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.2 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.509 W/kg
SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.306 mW/g
Maximum value of SAR (measured) = 0.461 mW/g



P71 WCMDA IV_RMC12.2K_Front Face_1cm_Ch1513

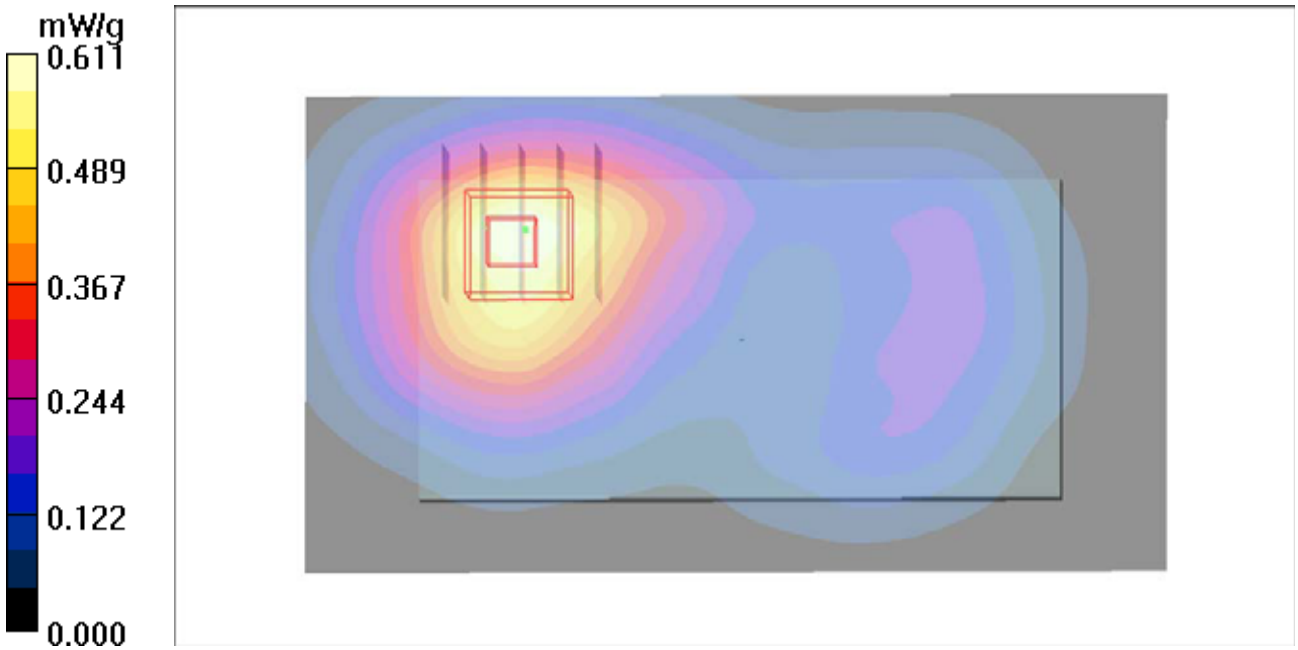
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.611 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.51 V/m; Power Drift = 0.181 dB
Peak SAR (extrapolated) = 0.719 W/kg
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.598 mW/g



P72 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1513

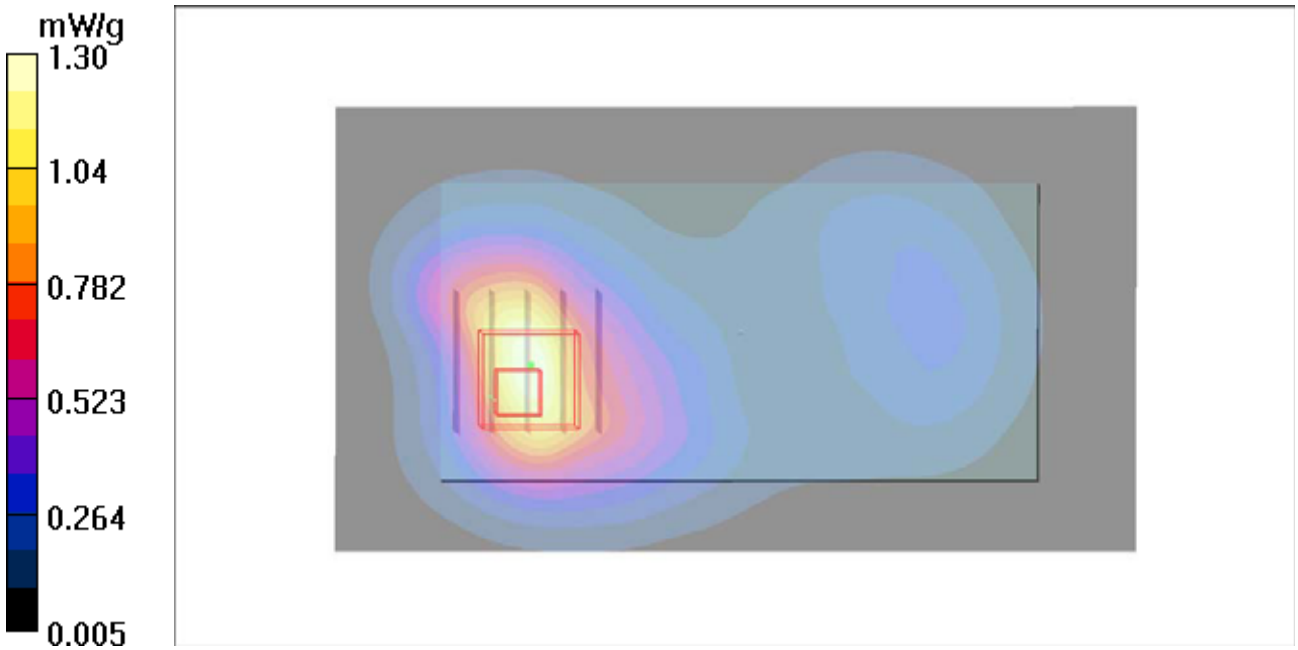
DUT: 120723C24

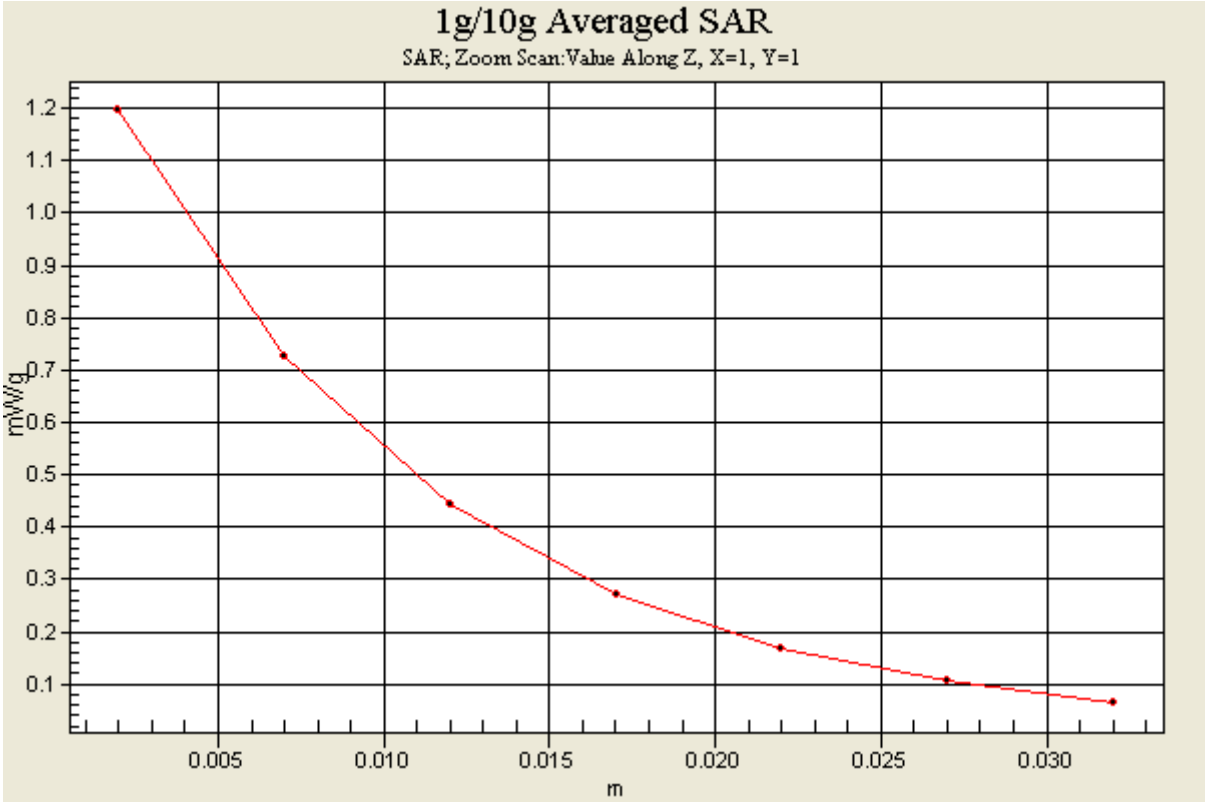
Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.30 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.2 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.575 mW/g
Maximum value of SAR (measured) = 1.20 mW/g




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

P73 WCMDA IV_RMC12.2K_Left Side_1cm_Ch1513

DUT: 120723C24

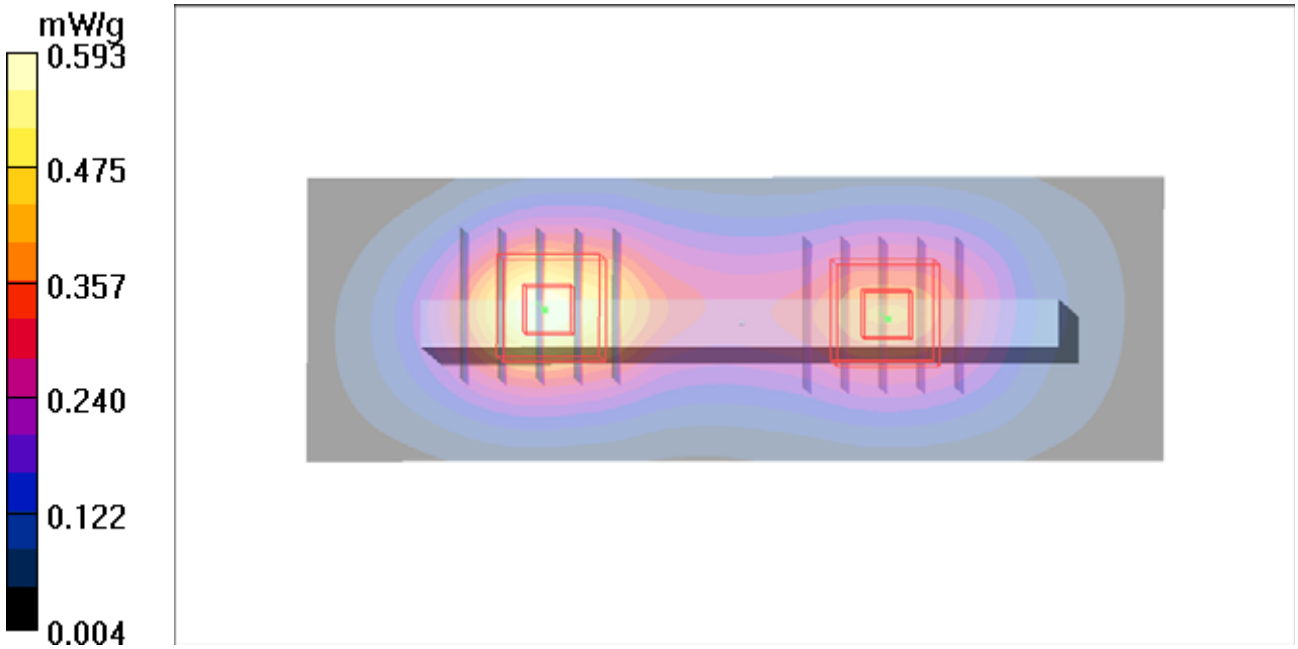
Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.593 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.727 W/kg
SAR(1 g) = 0.466 mW/g; SAR(10 g) = 0.281 mW/g
Maximum value of SAR (measured) = 0.611 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = -0.083 dB
Peak SAR (extrapolated) = 0.508 W/kg
SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.212 mW/g
Maximum value of SAR (measured) = 0.433 mW/g



P74 WCMDA IV_RMC12.2K_Right Side_1cm_Ch1513

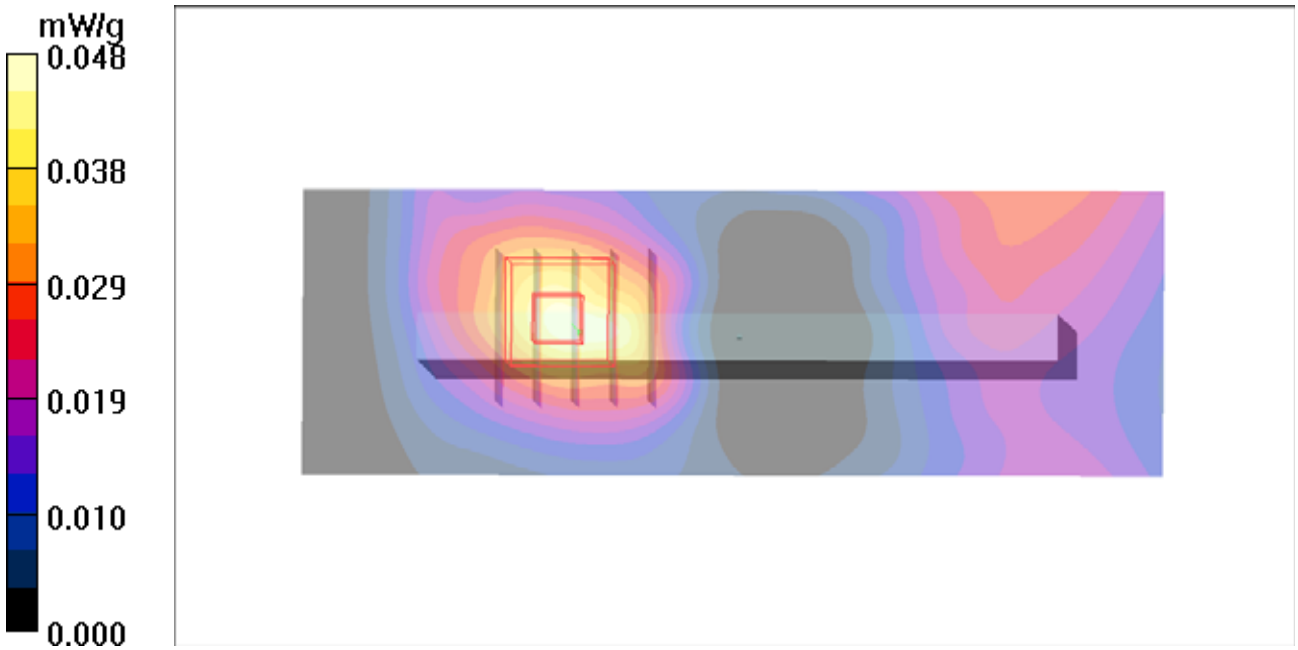
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.048 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.30 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 0.054 W/kg
SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.044 mW/g



P75 WCMDA IV_RMC12.2K_Bottom Side_1cm_Ch1513

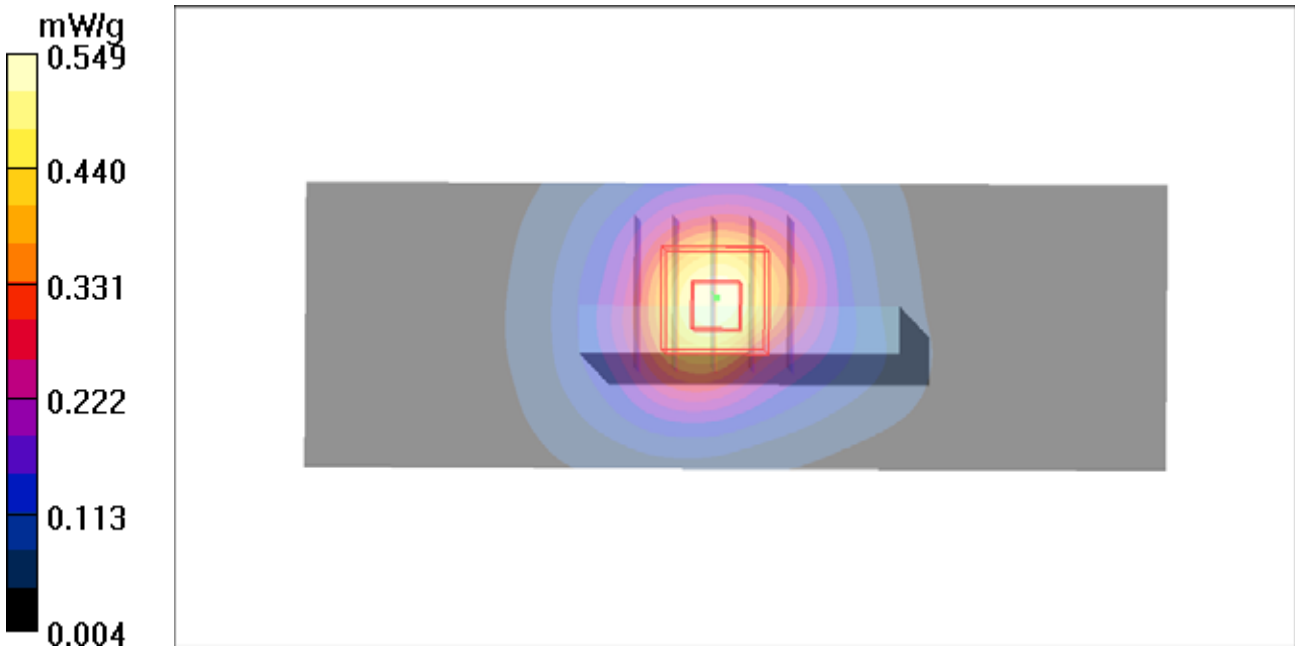
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.549 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.3 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.264 mW/g
Maximum value of SAR (measured) = 0.581 mW/g



P95 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1312

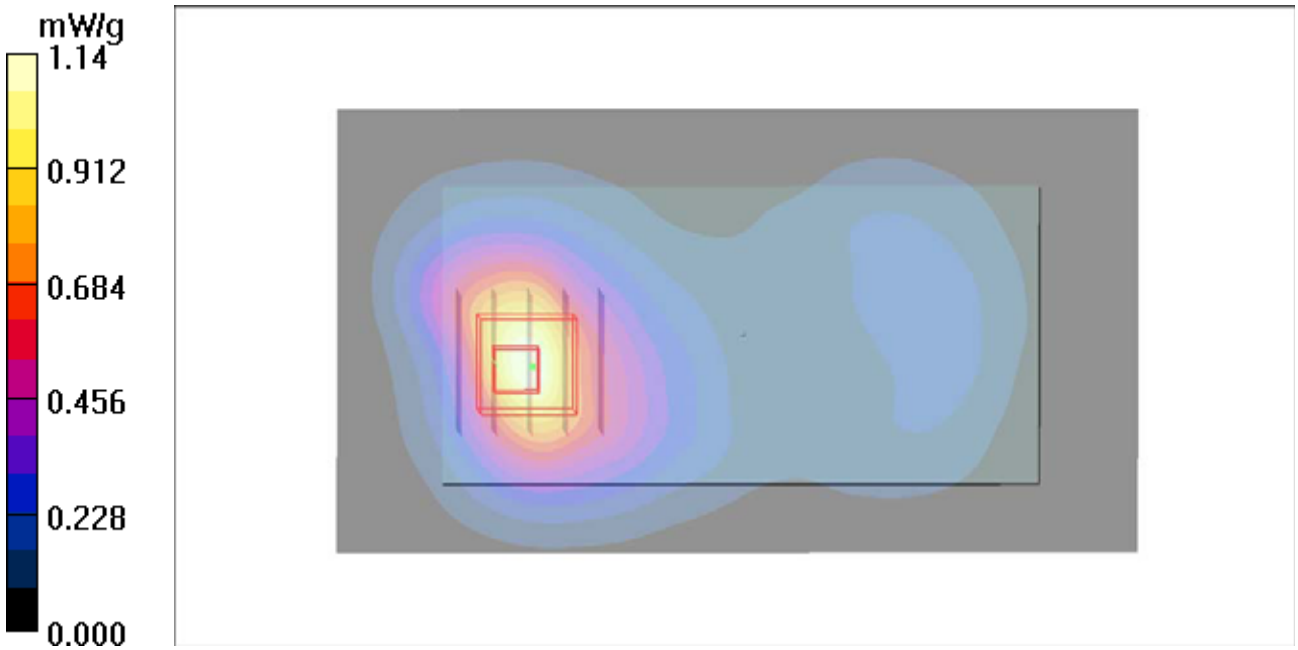
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1712.4 MHz; σ = 1.43 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.14 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.32 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.507 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



P96 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1413

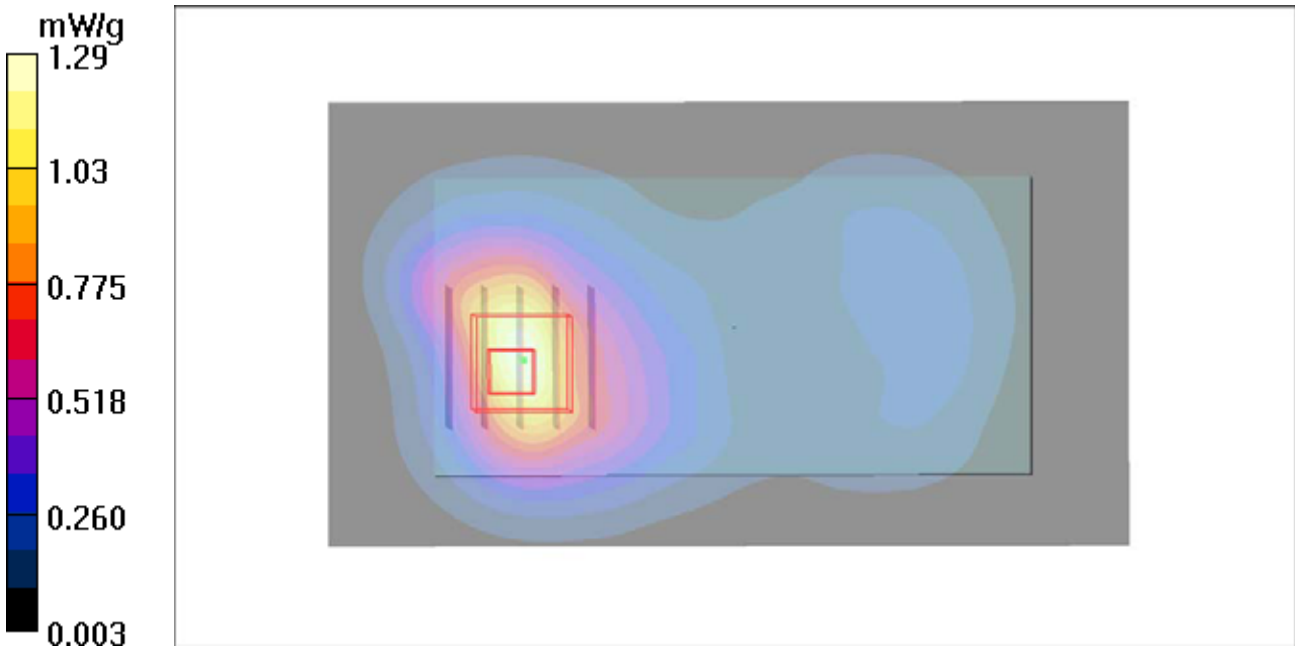
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1733 MHz; σ = 1.45 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.29 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = 0.049 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.567 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



P76 WCMDA IV_RMC12.2K_Front Face_1cm_Ch1513_Earphone

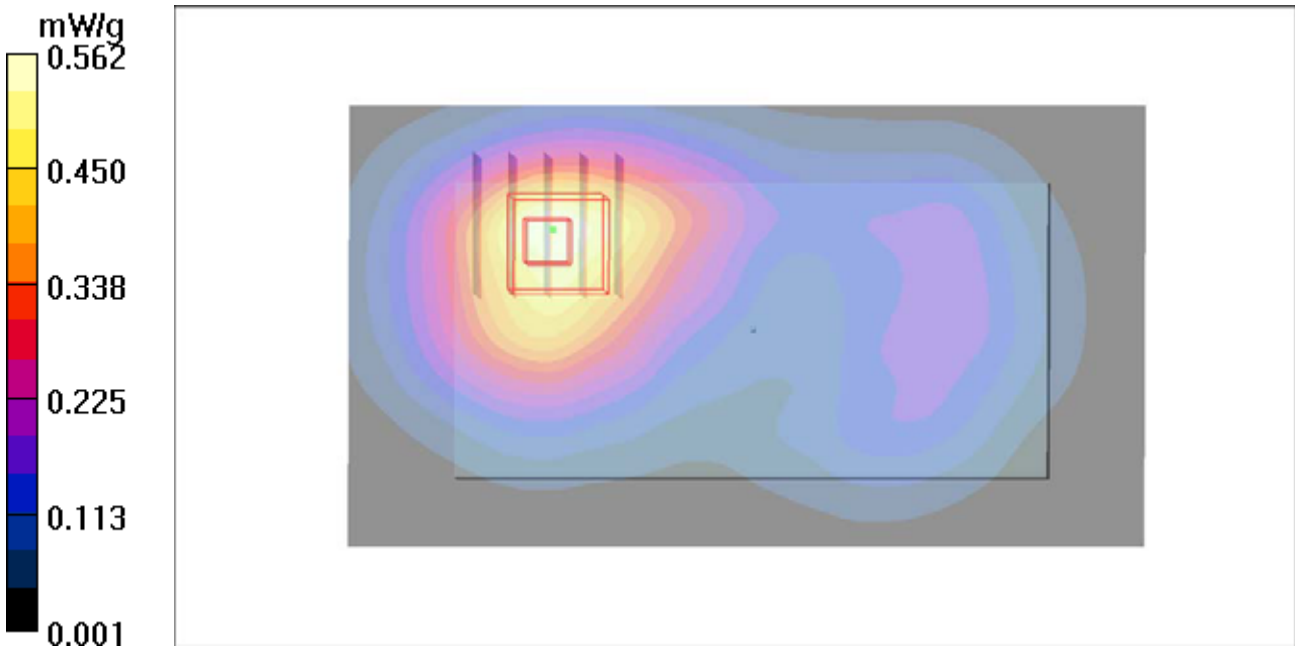
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.562 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.37 V/m; Power Drift = 0.184 dB
Peak SAR (extrapolated) = 0.640 W/kg
SAR(1 g) = 0.434 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.537 mW/g



P77 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1513_Earphone

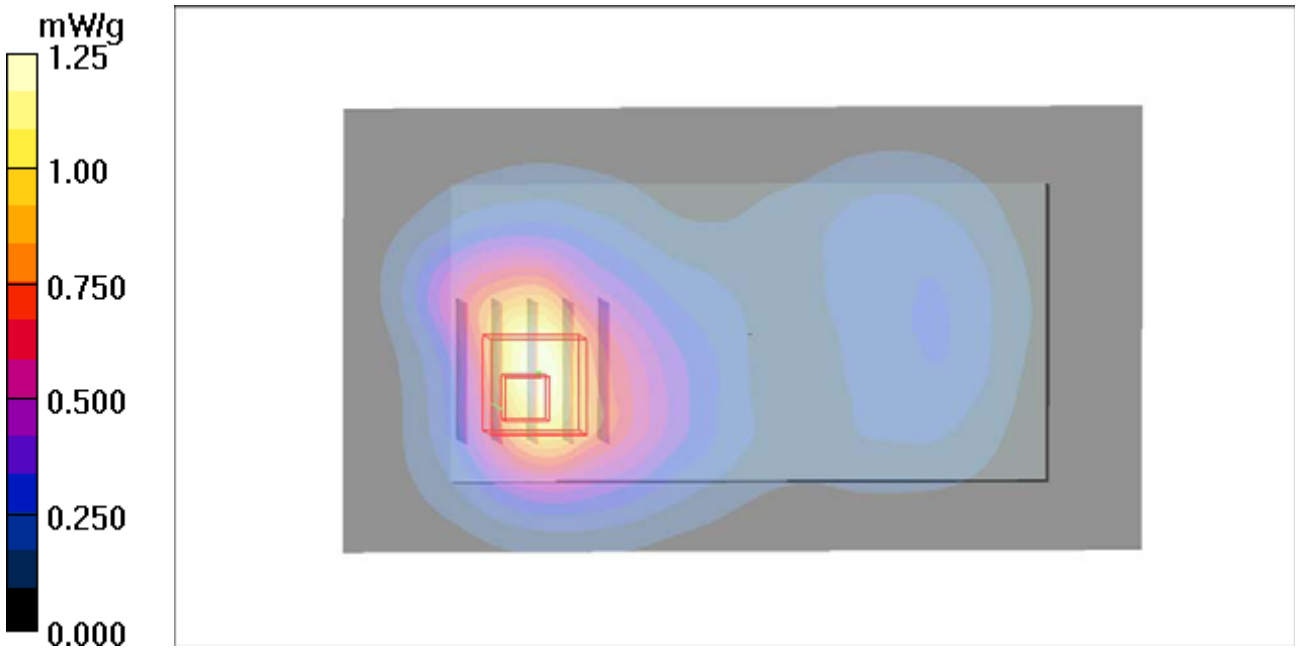
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: B1750_0825 Medium parameters used: f = 1753 MHz; σ = 1.47 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：21.5 ℃; Liquid Temperature：20.4 ℃

DASY4 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 Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1513/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.25 mW/g

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.0 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.934 mW/g; SAR(10 g) = 0.567 mW/g
Maximum value of SAR (measured) = 1.19 mW/g



P111 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1312_Earphone

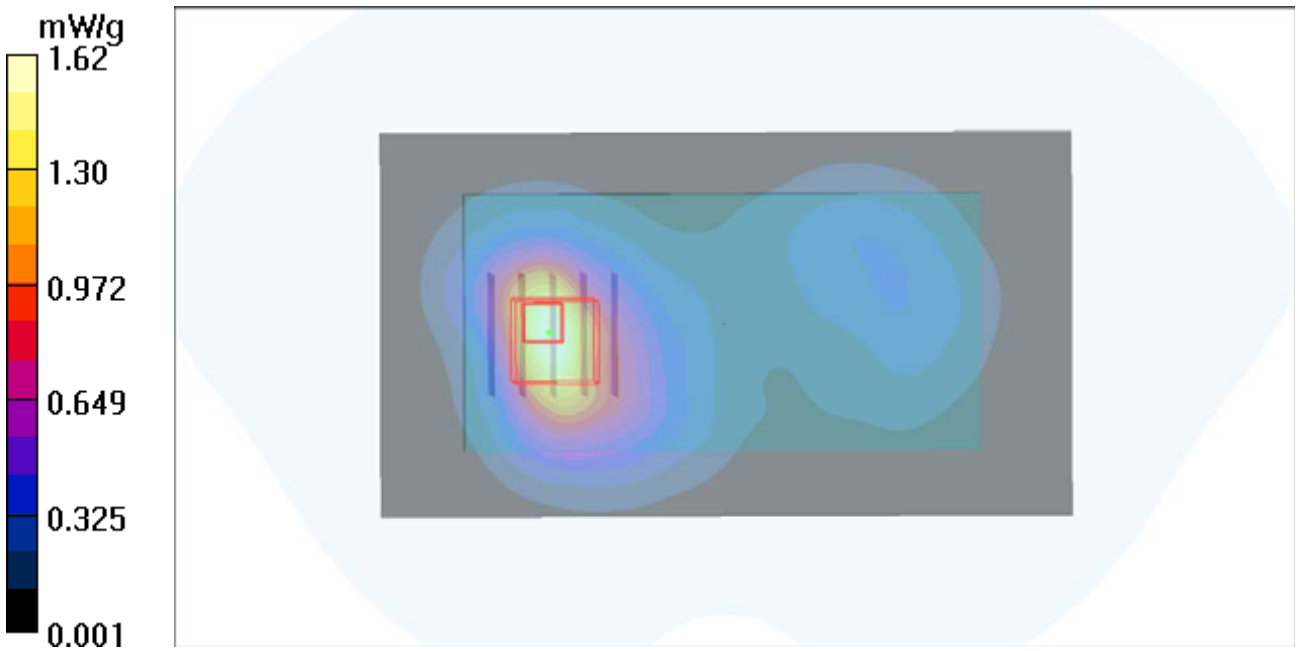
DUT: 120723C24

Communication System: WCDMA IV; Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium: B1750_0904 Medium parameters used : f = 1712.4 MHz; σ = 1.48 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.3 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1312/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.62 mW/g

Ch1312/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = -0.090 dB
Peak SAR (extrapolated) = 2.27 W/kg
SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.676 mW/g
Maximum value of SAR (measured) = 1.45 mW/g



P112 WCMDA IV_RMC12.2K_Rear Face_1cm_Ch1413_Earphone

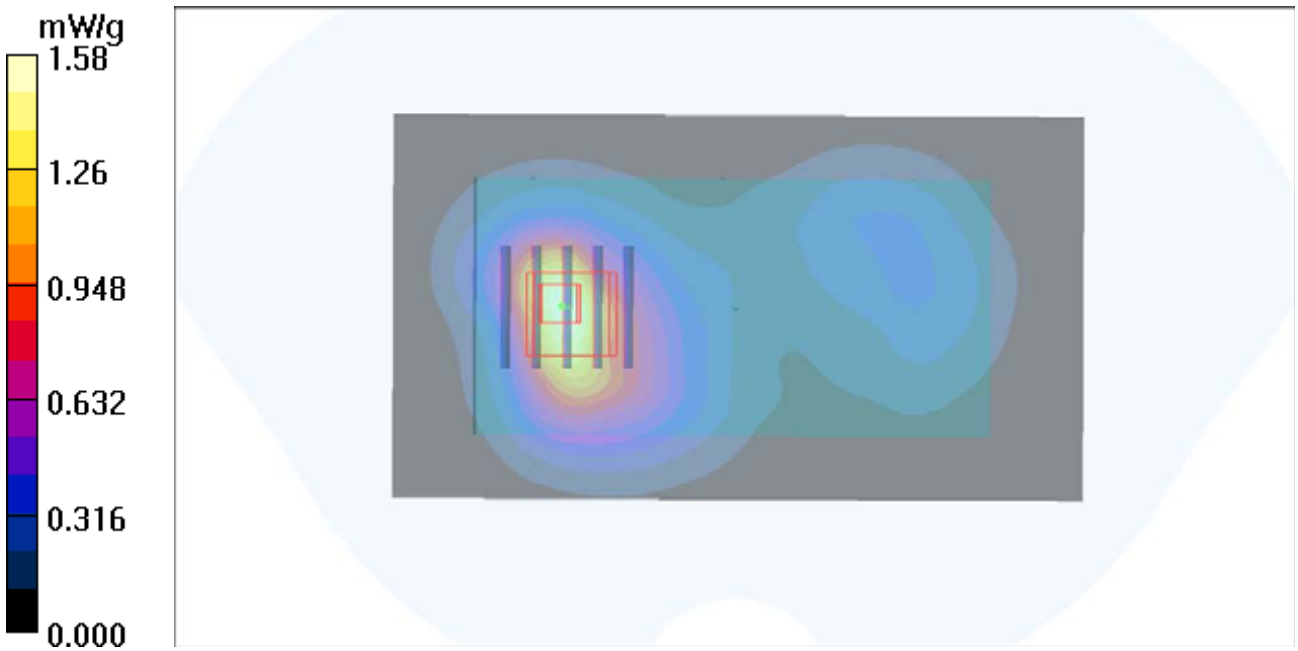
DUT: 120723C24

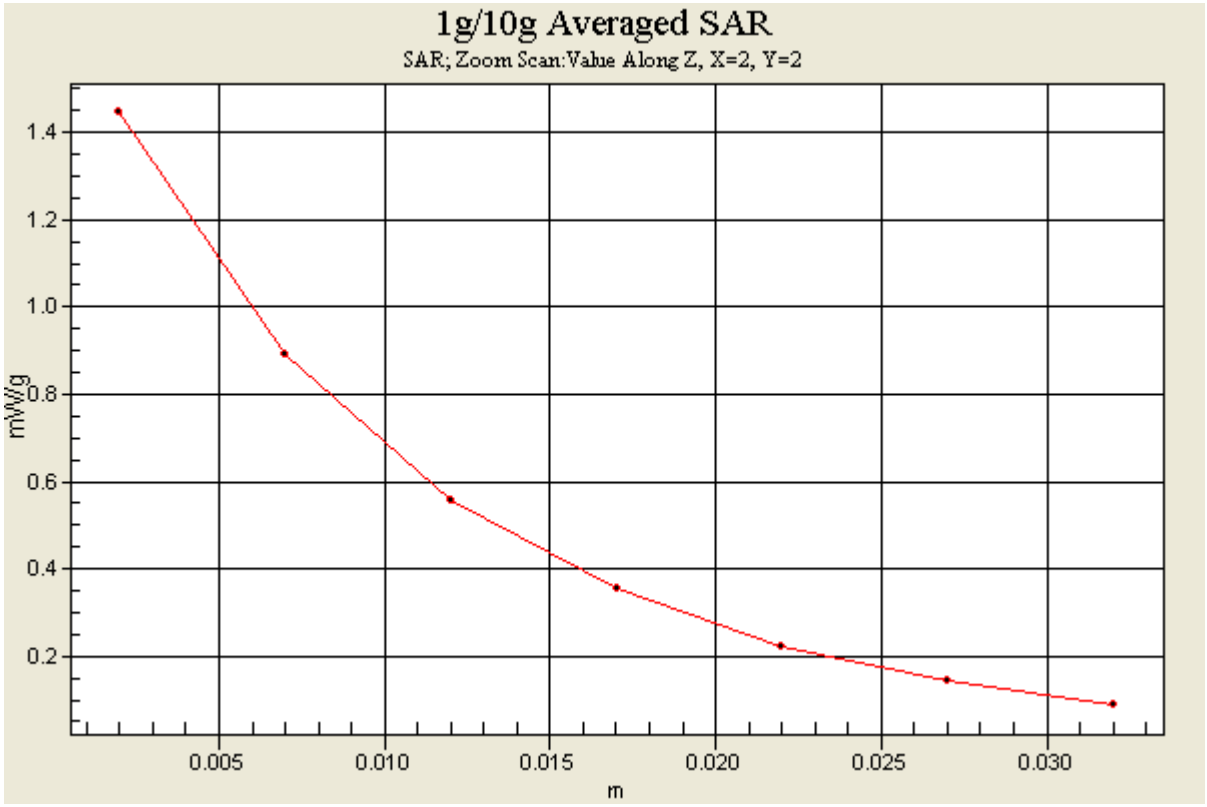
Communication System: WCDMA IV; Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: B1750_0904 Medium parameters used: f = 1733 MHz; σ = 1.51 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.1 ℃; Liquid Temperature：21.3 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1413/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.58 mW/g

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.642 mW/g
Maximum value of SAR (measured) = 1.41 mW/g




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

P78 WCMDA II_RMC12.2K_Front Face_1cm_Ch9262

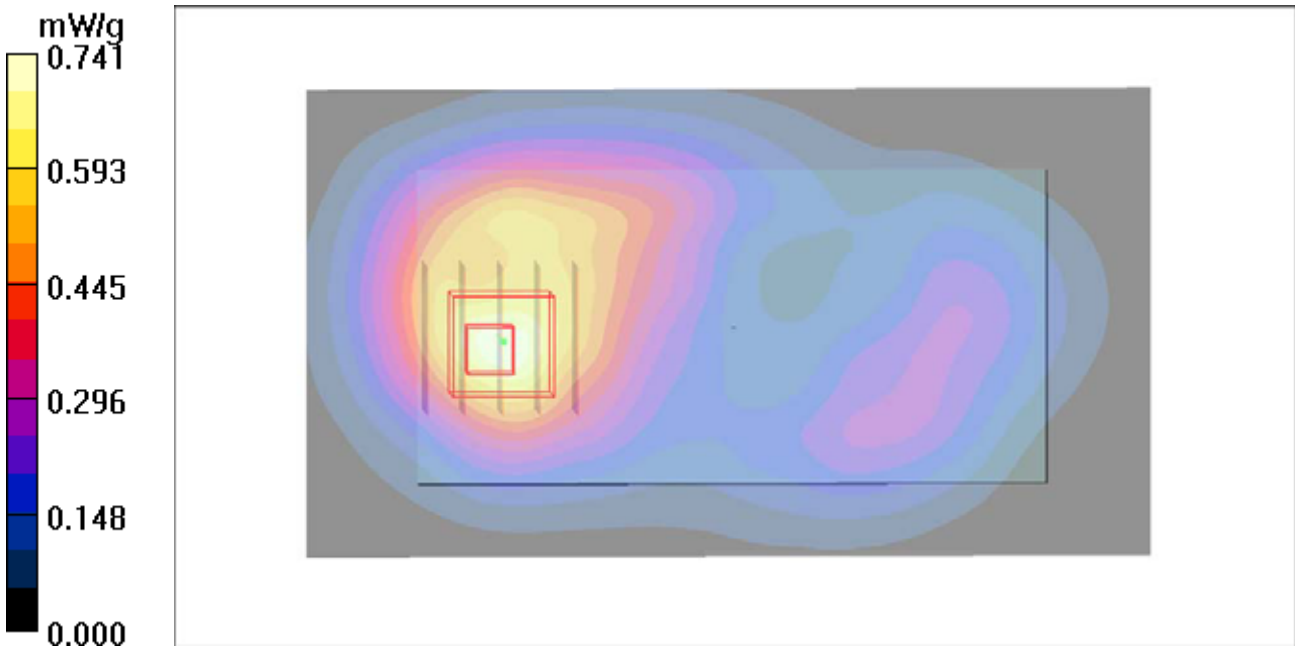
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.741 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.62 V/m; Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.833 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.353 mW/g
Maximum value of SAR (measured) = 0.696 mW/g



P79 WCMDA II_RMC12.2K_Rear Face_1cm_Ch9262

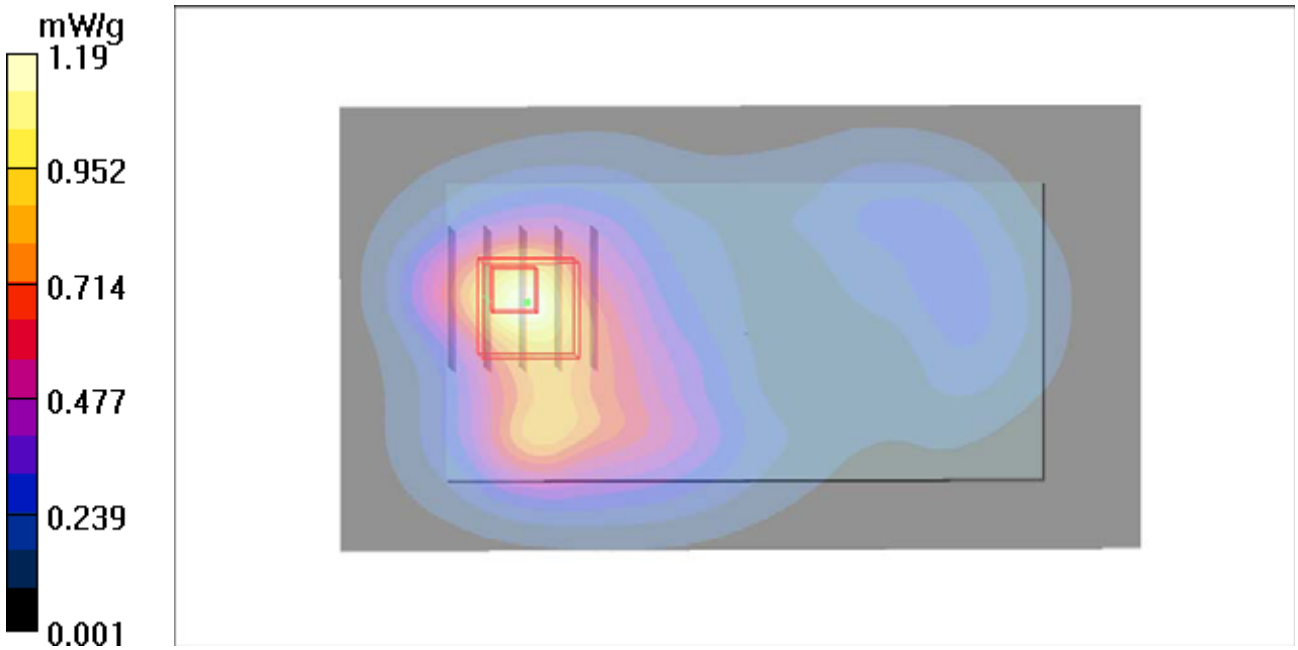
DUT: 120723C24

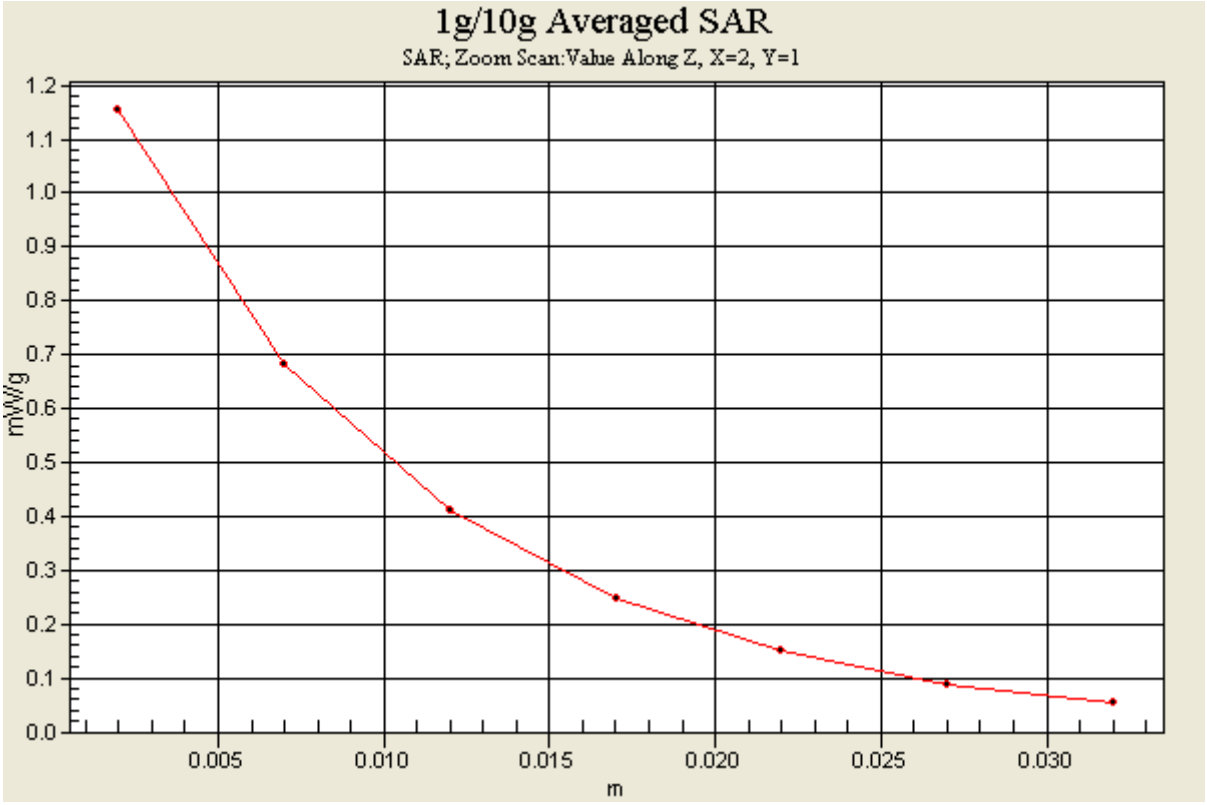
Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.19 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.050 dB
Peak SAR (extrapolated) = 2.19 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.526 mW/g
Maximum value of SAR (measured) = 1.15 mW/g




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

P80 WCMDA II_RMC12.2K_Left Side_1cm_Ch9262

DUT: 120723C24

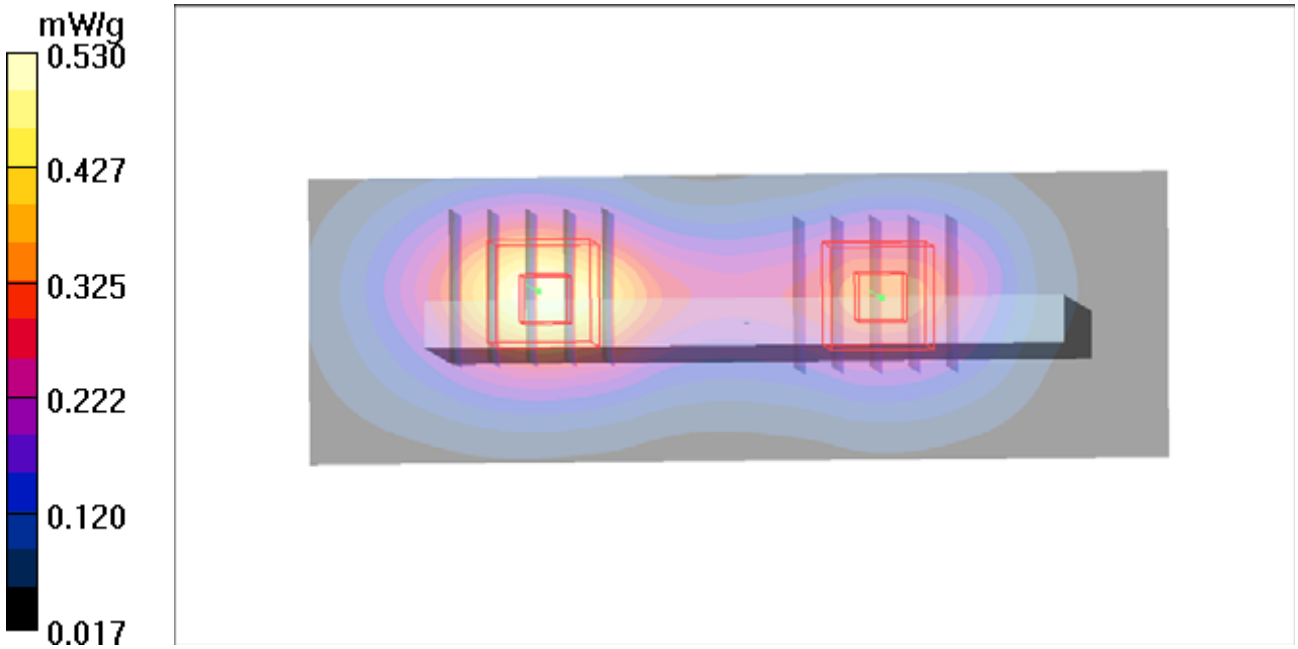
Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.530 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.238 mW/g
Maximum value of SAR (measured) = 0.511 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.433 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.170 mW/g
Maximum value of SAR (measured) = 0.361 mW/g



P91 WCMDA II_RMC12.2K_Right Side_1cm_Ch9262

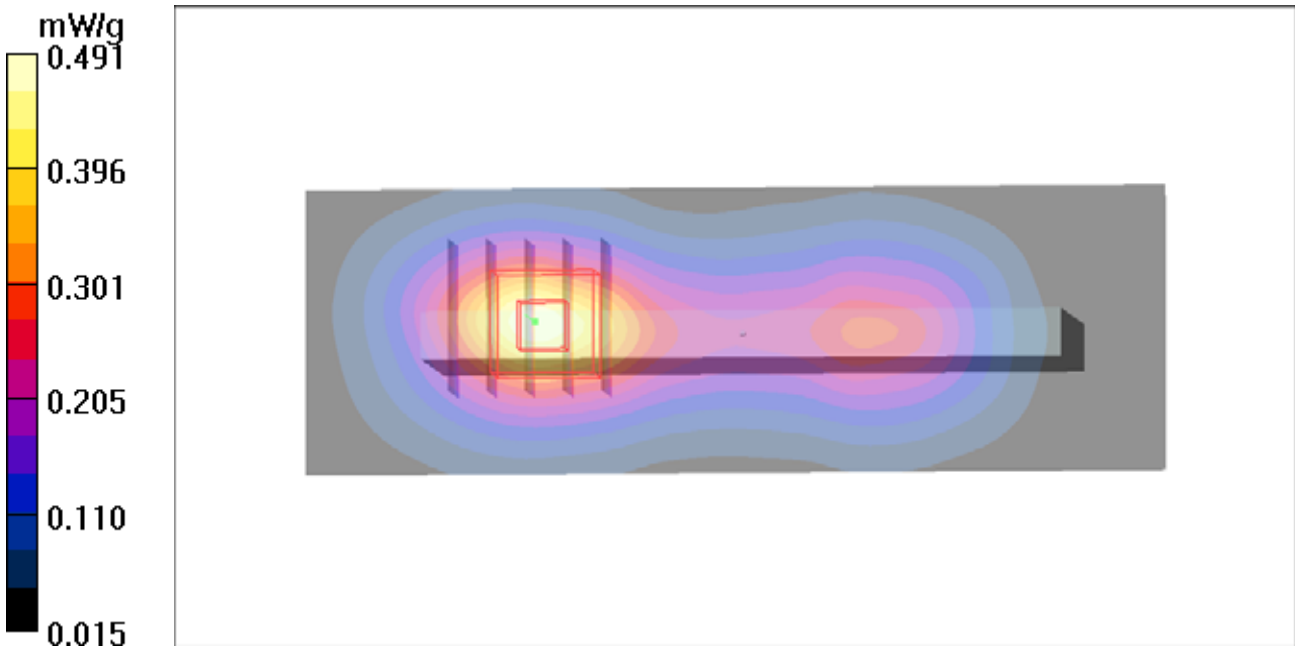
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.491 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 0.581 W/kg
SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.213 mW/g
Maximum value of SAR (measured) = 0.481 mW/g



P82 WCMDA II_RMC12.2K_Bottom Side_1cm_Ch9262

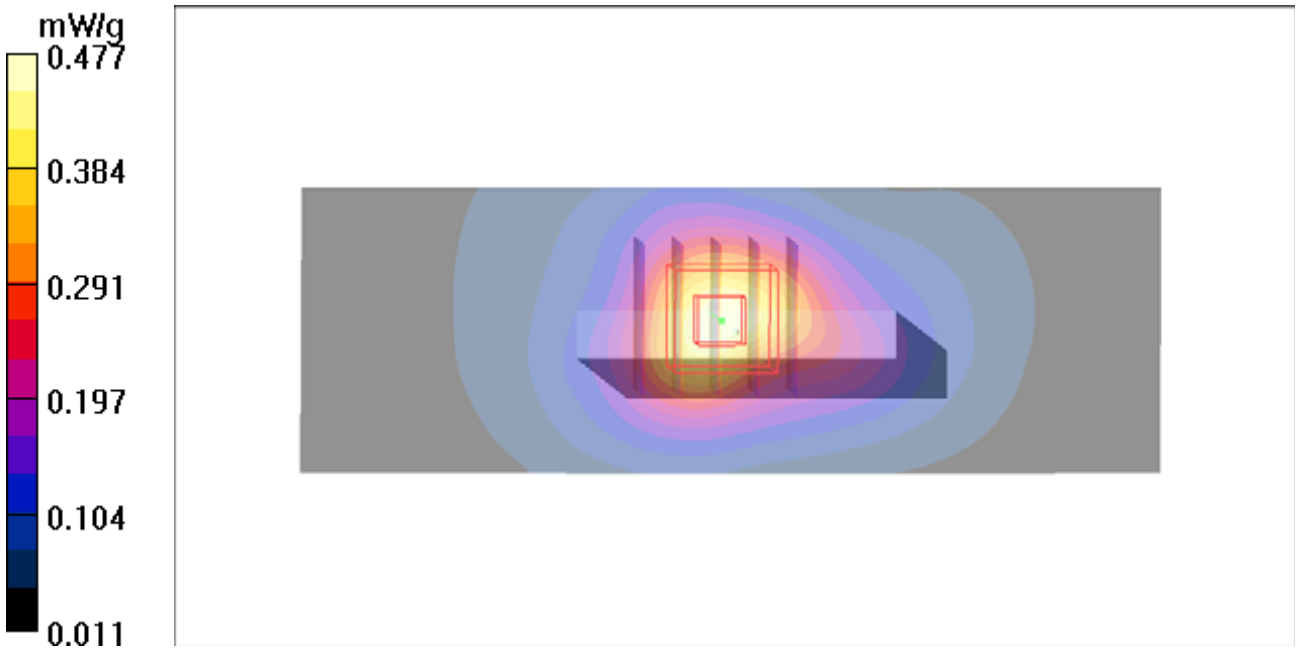
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (31x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.477 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 0.647 W/kg
SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.531 mW/g



P92 WCMDA II_RMC12.2K_Rear Face_1cm_Ch9400

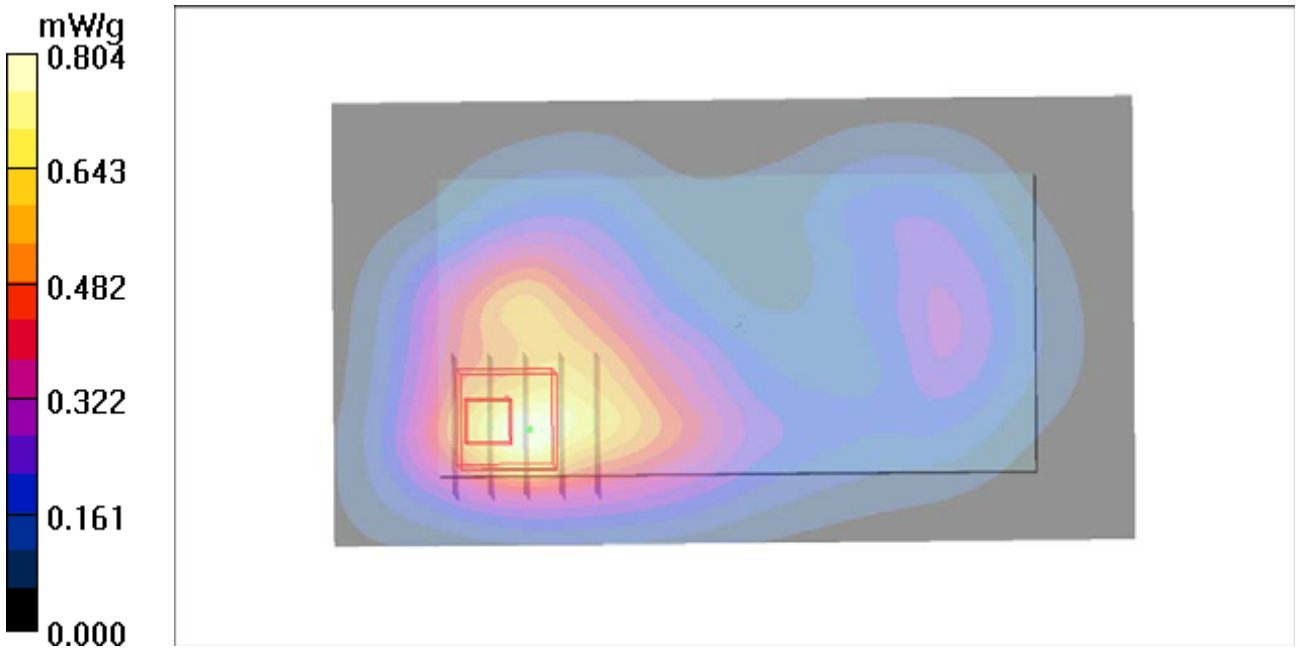
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1880 MHz; σ = 1.52 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.804 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.52 V/m; Power Drift = -0.133 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.677 mW/g; SAR(10 g) = 0.387 mW/g
Maximum value of SAR (measured) = 0.906 mW/g



P93 WCMDA II_RMC12.2K_Rear Face_1cm_Ch9538

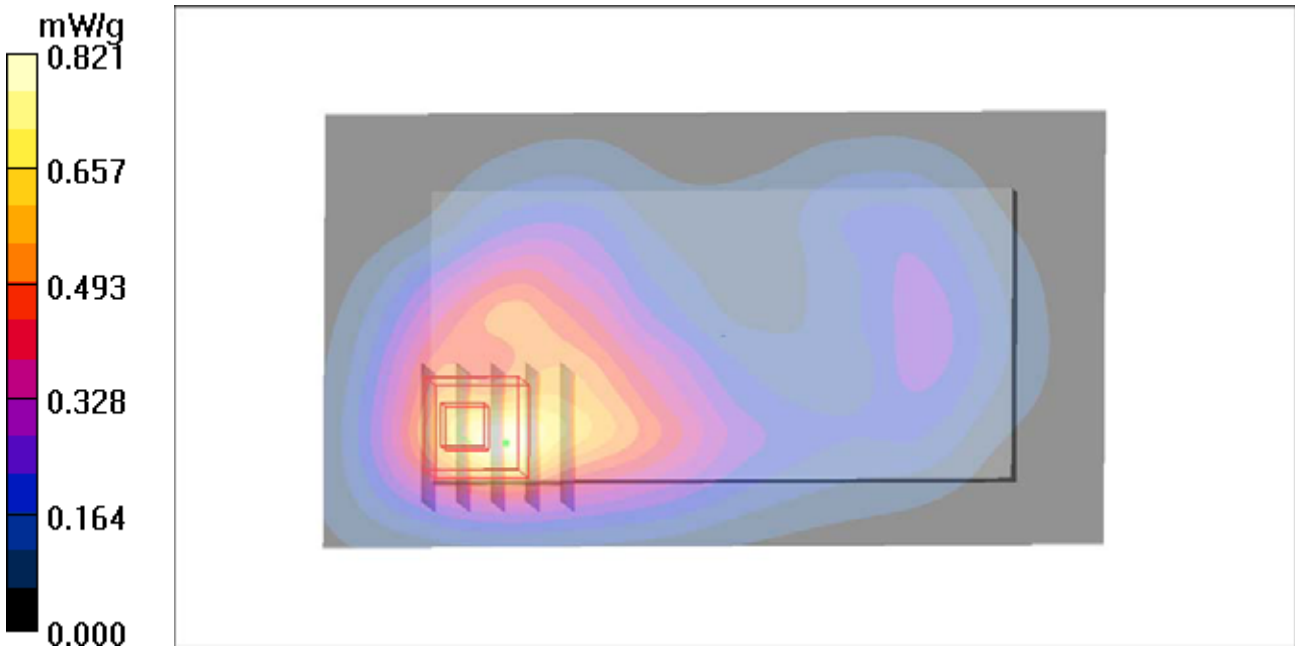
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.821 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.50 V/m; Power Drift = 0.007 dB
Peak SAR (extrapolated) = 1.27 W/kg
SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.419 mW/g
Maximum value of SAR (measured) = 0.977 mW/g



P83 WCMDA II_RMC12.2K_Front Face_1cm_Ch9262_Earphone

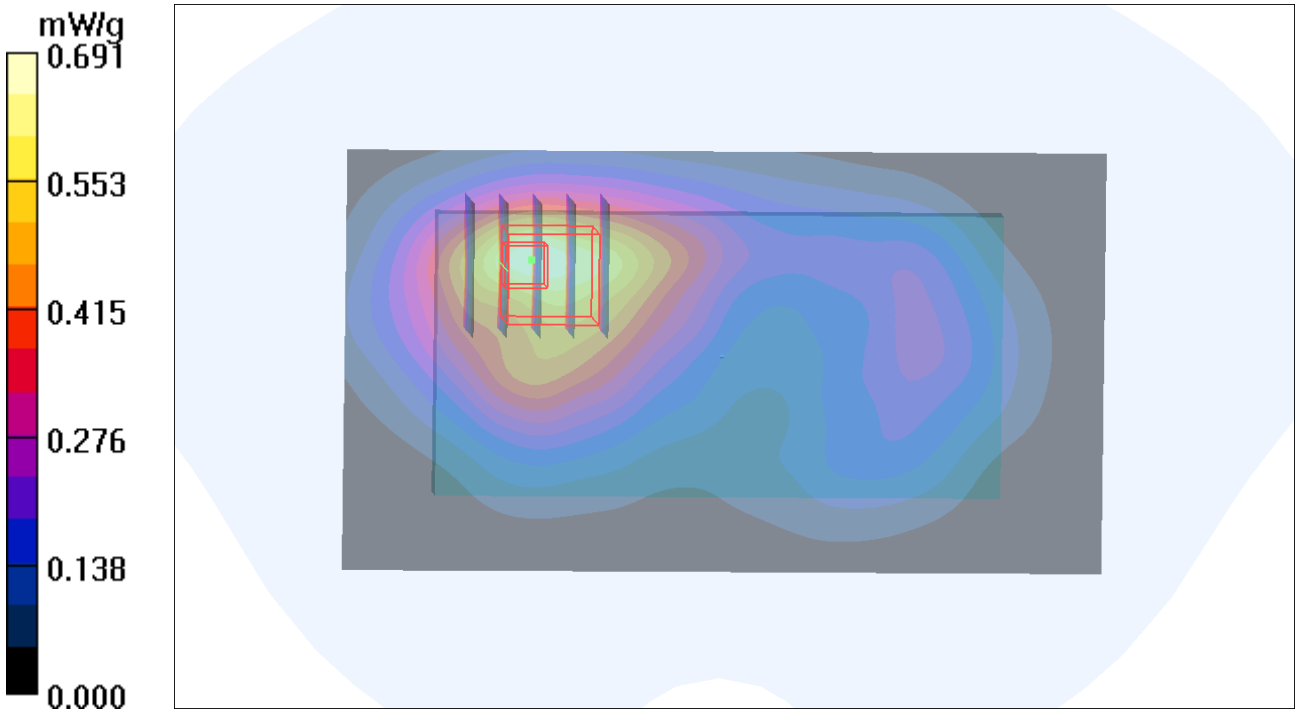
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.691 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.09 V/m; Power Drift = 0.148 dB
Peak SAR (extrapolated) = 0.849 W/kg
SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.694 mW/g



P84 WCMDA II_RMC12.2K_Rear Face_1cm_Ch9262_Earphone

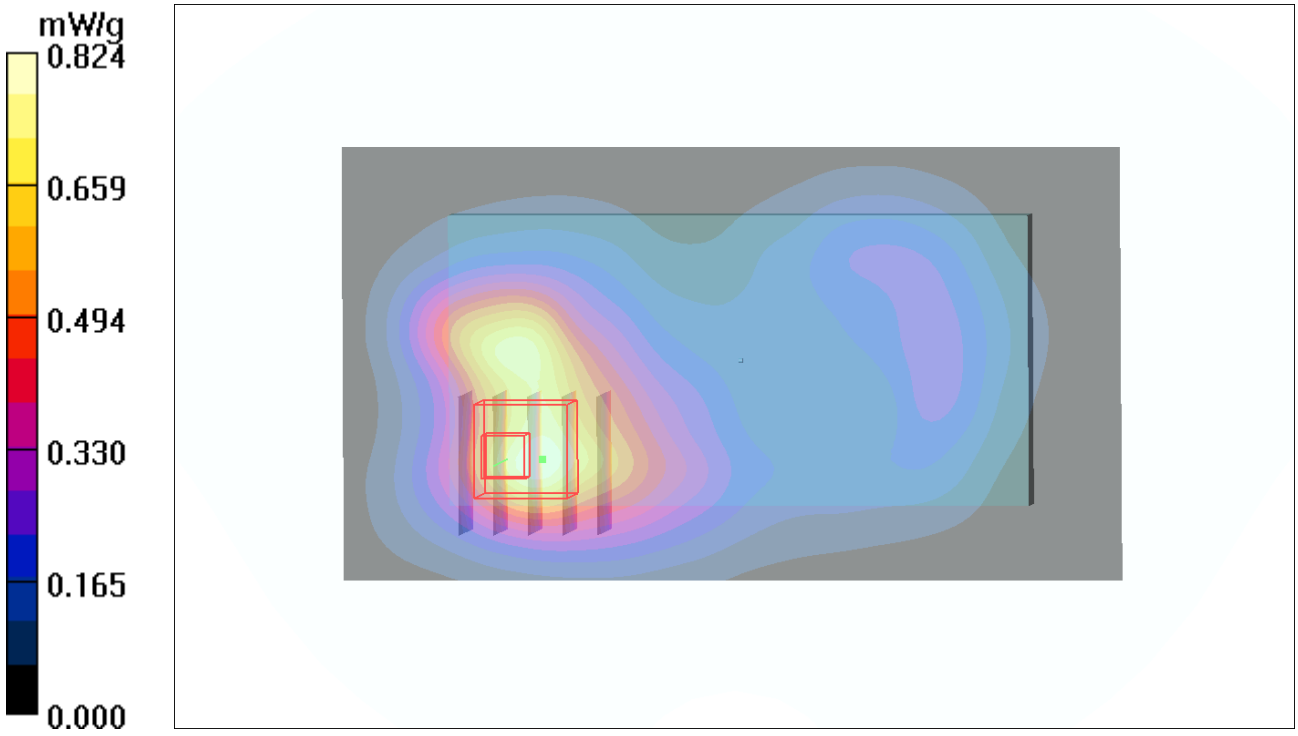
DUT: 120723C24

Communication System: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: B1900_0824 Medium parameters used: f = 1852.4 MHz; σ = 1.49 mho/m; ε_r = 53.1; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.3 ℃

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

Ch9262/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.824 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.13 V/m; Power Drift = 0.078 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.405 mW/g
Maximum value of SAR (measured) = 0.936 mW/g



P105 802.11b_Front Face_1cm_Ch11

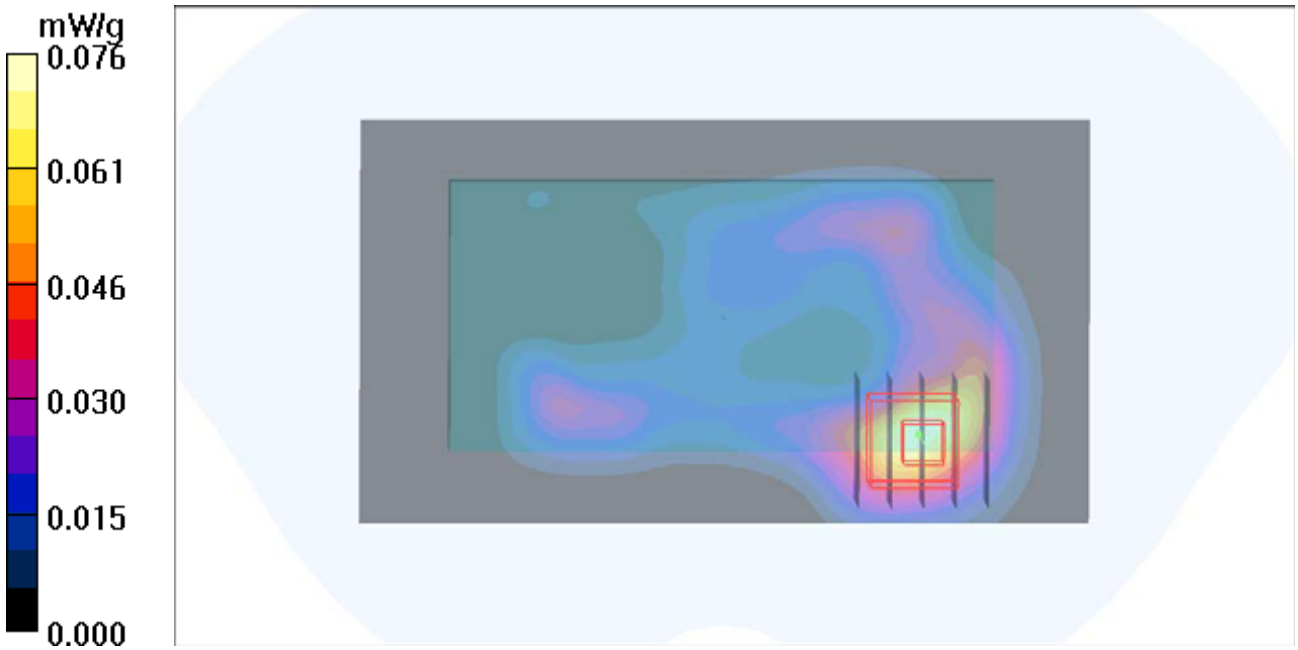
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.076 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.68 V/m; Power Drift = 0.160 dB
Peak SAR (extrapolated) = 0.092 W/kg
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.071 mW/g



P106 802.11b_Rear Face_1cm_Ch11

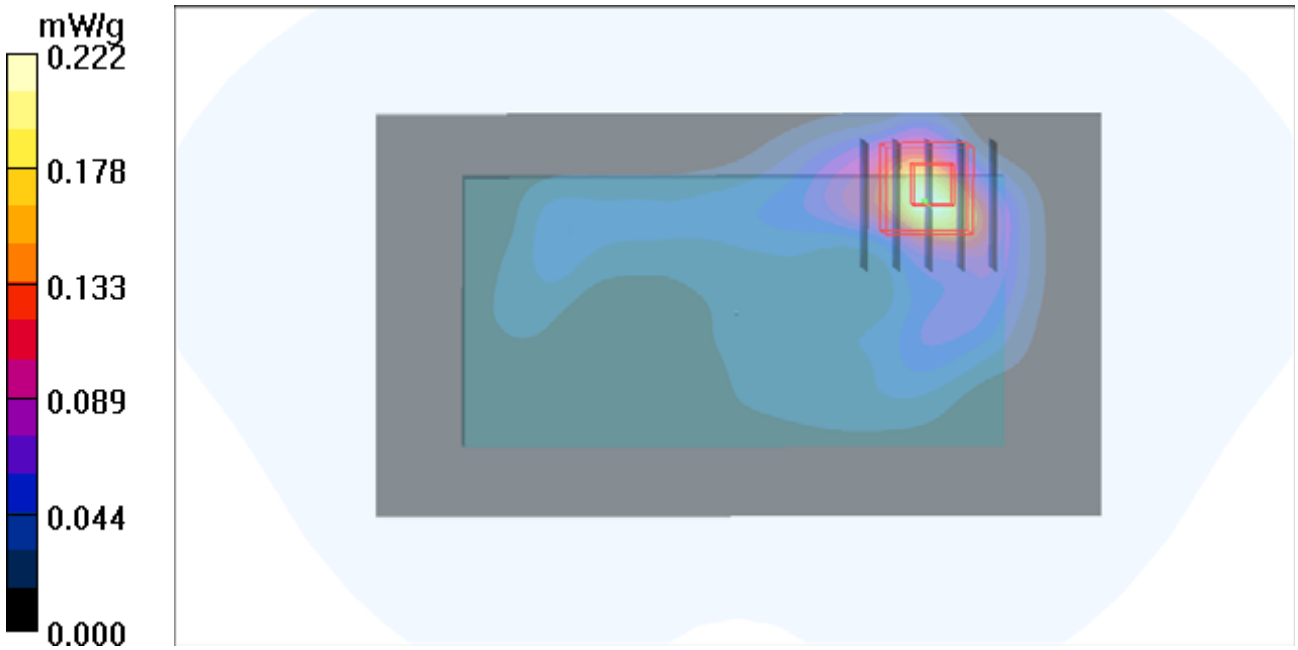
DUT: 120723C24

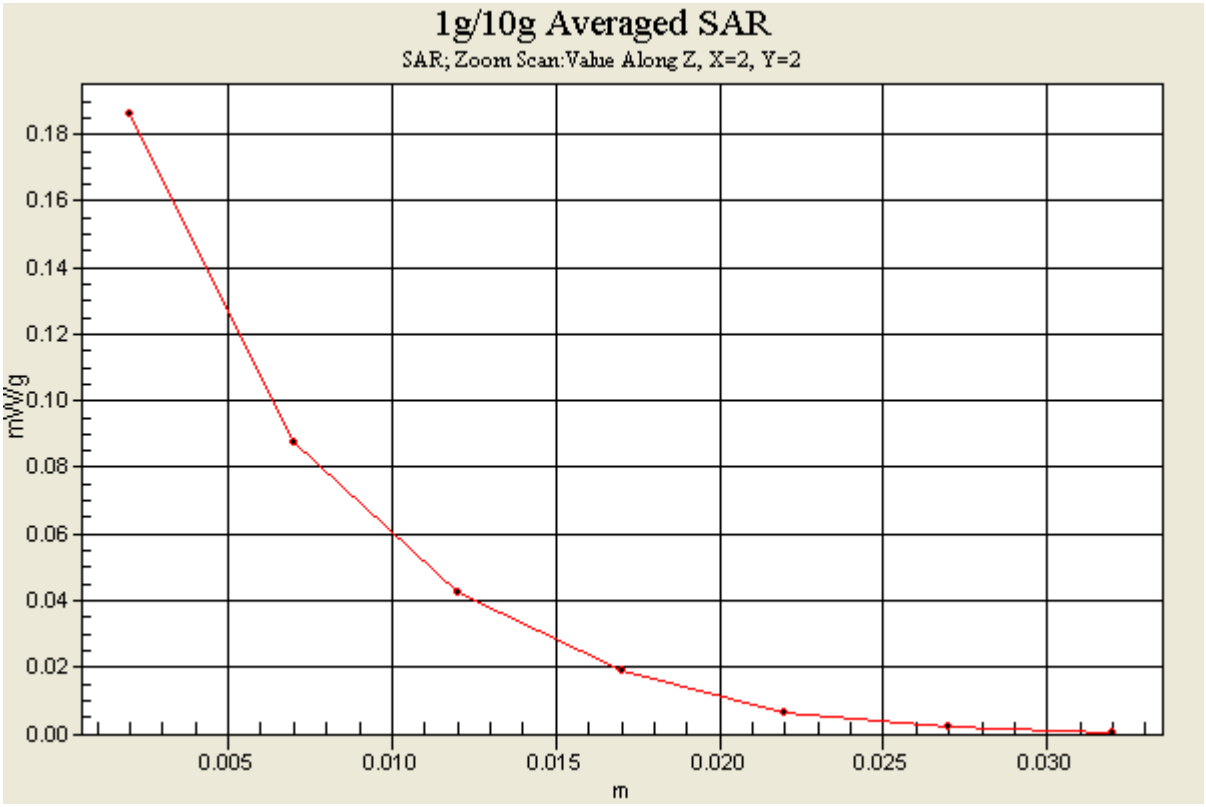
Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.222 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.42 V/m; Power Drift = -0.143 dB
Peak SAR (extrapolated) = 0.287 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.061 mW/g
Maximum value of SAR (measured) = 0.186 mW/g




1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
0.005
0.010
0.015
0.020
0.025
0.030
m

P107 802.11b_Right Side_1cm_Ch11

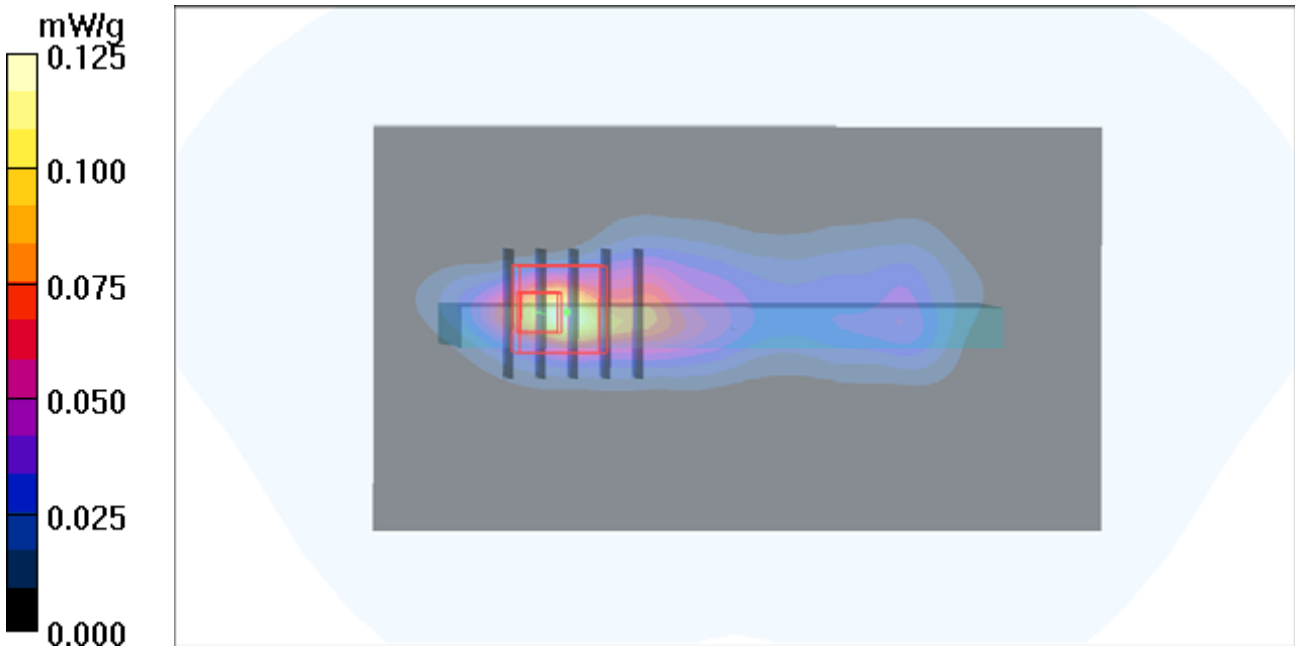
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.125 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.01 V/m; Power Drift = 0.120 dB
Peak SAR (extrapolated) = 0.115 W/kg
SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.027 mW/g
Maximum value of SAR (measured) = 0.086 mW/g



P108 802.11b_Top Side_1cm_Ch11

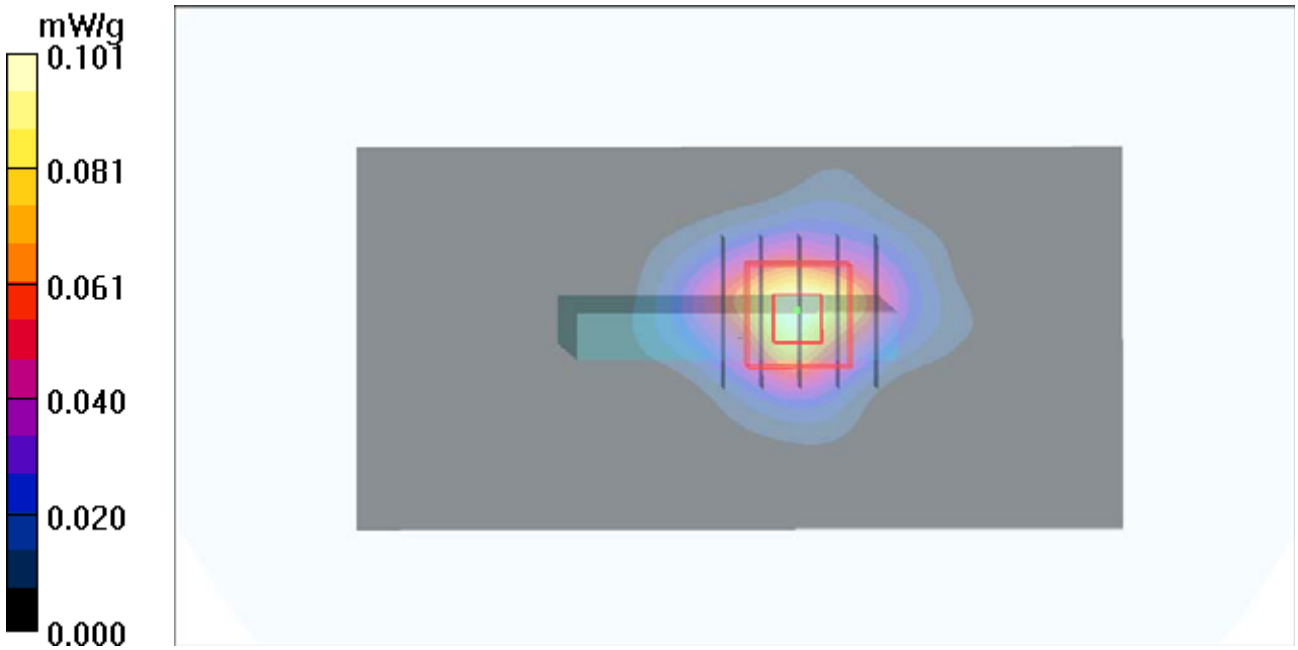
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.101 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.66 V/m; Power Drift = 0.117 dB
Peak SAR (extrapolated) = 0.101 W/kg
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.025 mW/g
Maximum value of SAR (measured) = 0.078 mW/g



P109 802.11b_Front Face_1cm_Ch11_Earphone

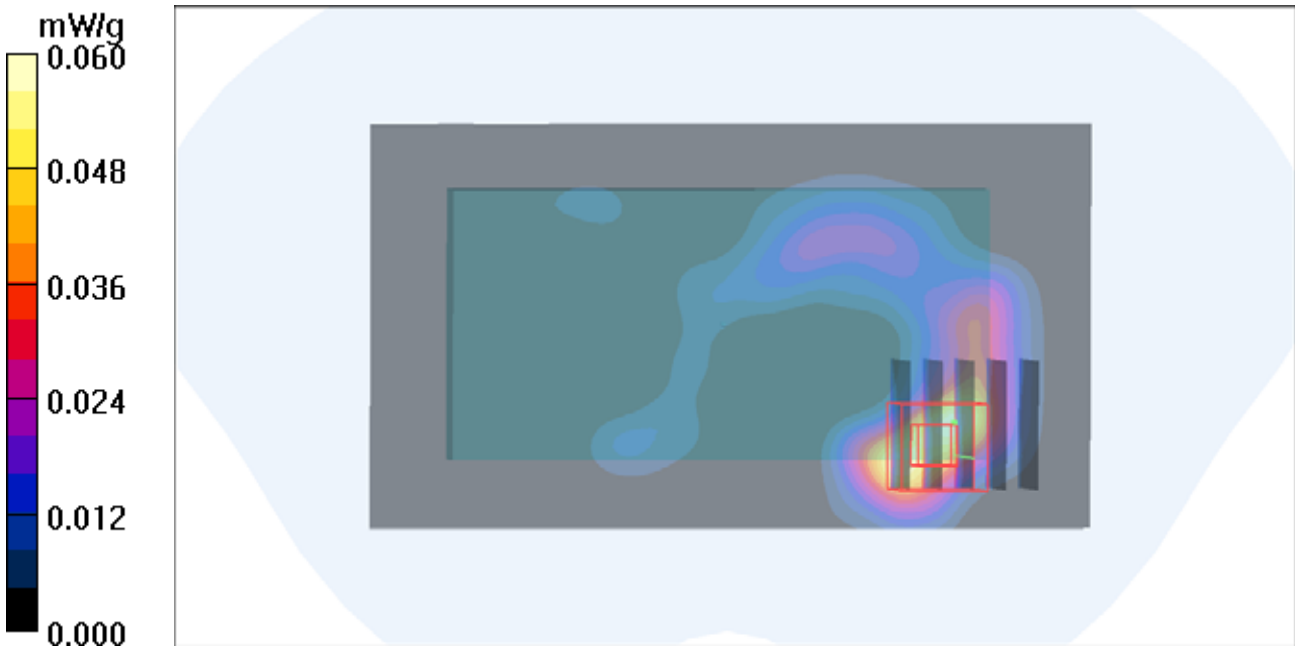
DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.060 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.69 V/m; Power Drift = 0.166 dB
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.014 mW/g
Maximum value of SAR (measured) = 0.048 mW/g



P110 802.11b_Rear Face_1cm_Ch11_Earphone

DUT: 120723C24

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_0823 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：21.7 ℃; Liquid Temperature：20.5 ℃

DASY4 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 Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.139 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.48 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.037 mW/g
Maximum value of SAR (measured) = 0.121 mW/g