Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

System Check_Head_750MHz_110808

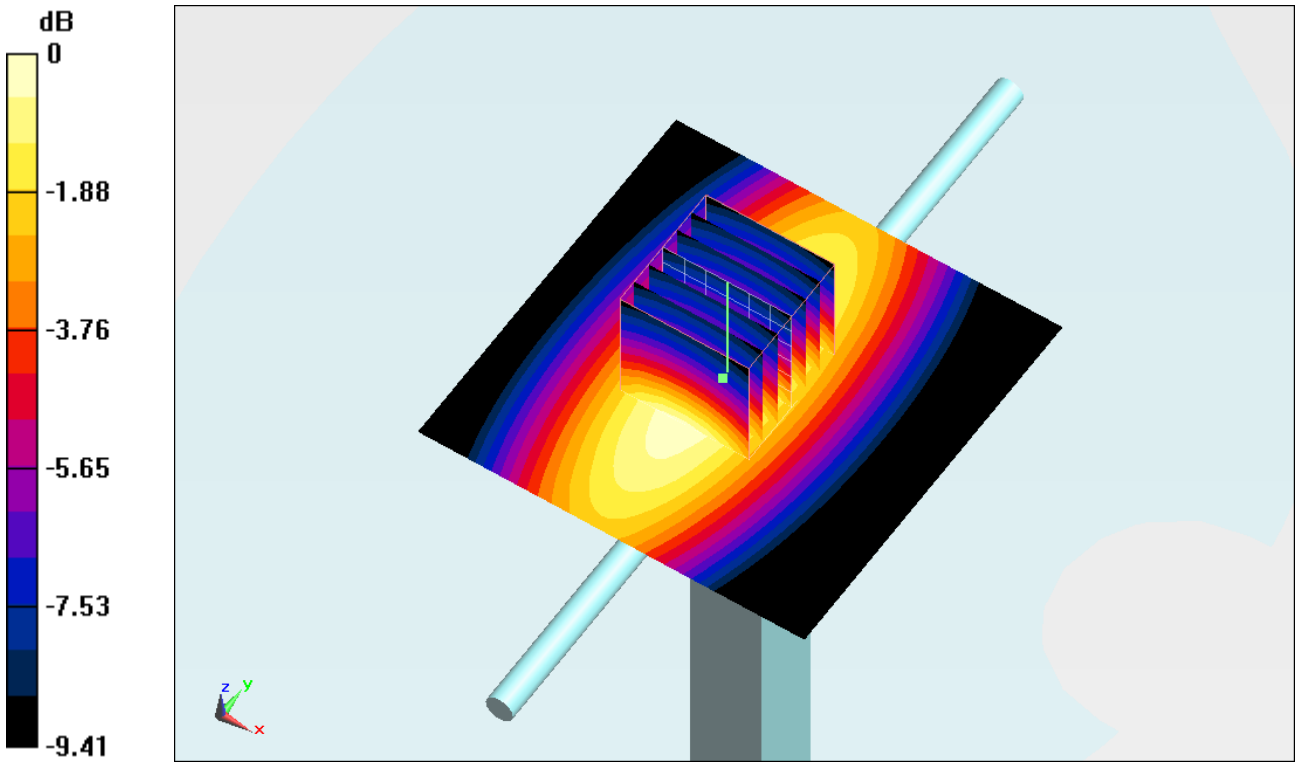
DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: HSL_750_110808 Medium parameters used: f = 750 MHz; σ = 0.895 mho/m; ε_r = 41.004; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.138 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.428 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.742 W/kg
SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.35 mW/g
Maximum value of SAR (measured) = 2.148 mW/g



0 dB = 2.150mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

System Check_Body_750MHz_110808

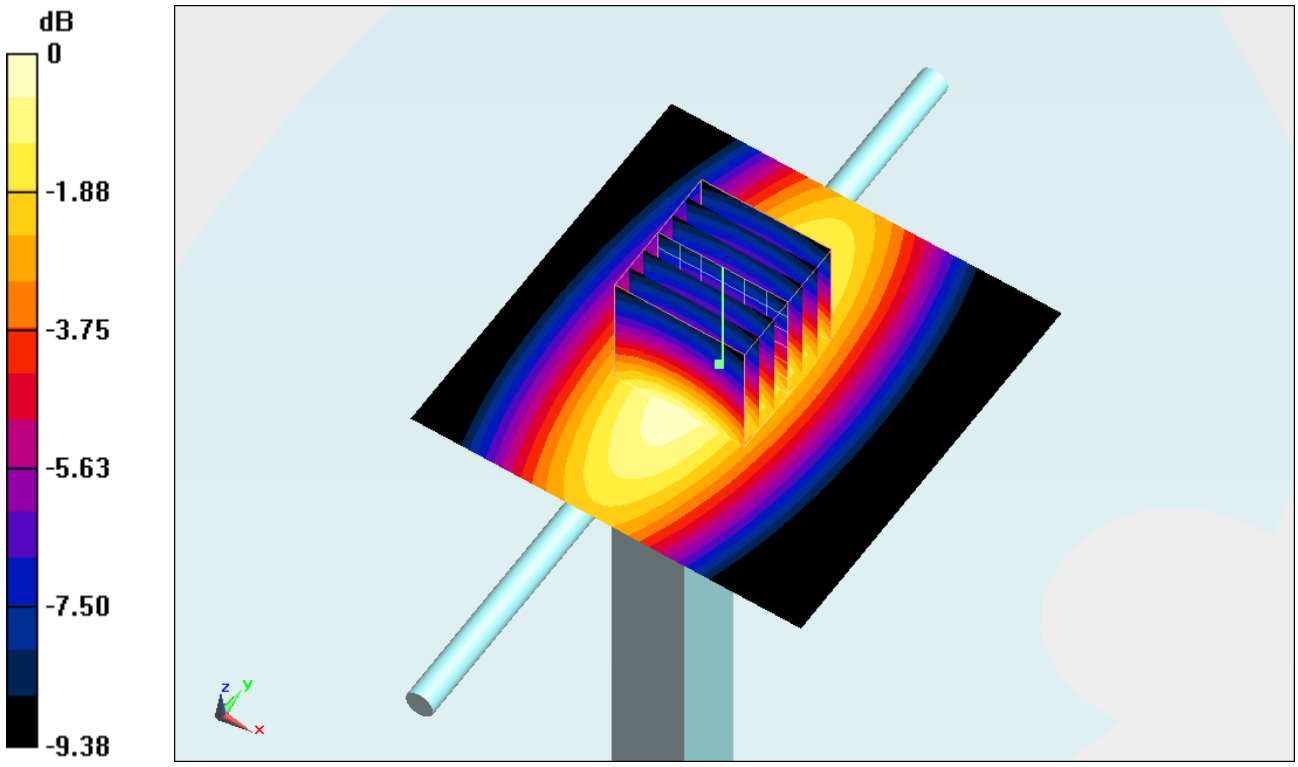
DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_110808 Medium parameters used: f = 750 MHz; σ = 0.963 mho/m; ε_r = 54.231; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.347 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.113 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 2.972 W/kg
SAR(1 g) = 2.18 mW/g; SAR(10 g) = 1.48 mW/g
Maximum value of SAR (measured) = 2.358 mW/g



0 dB = 2.360mW/g

System Check_Head_835MHz_110807

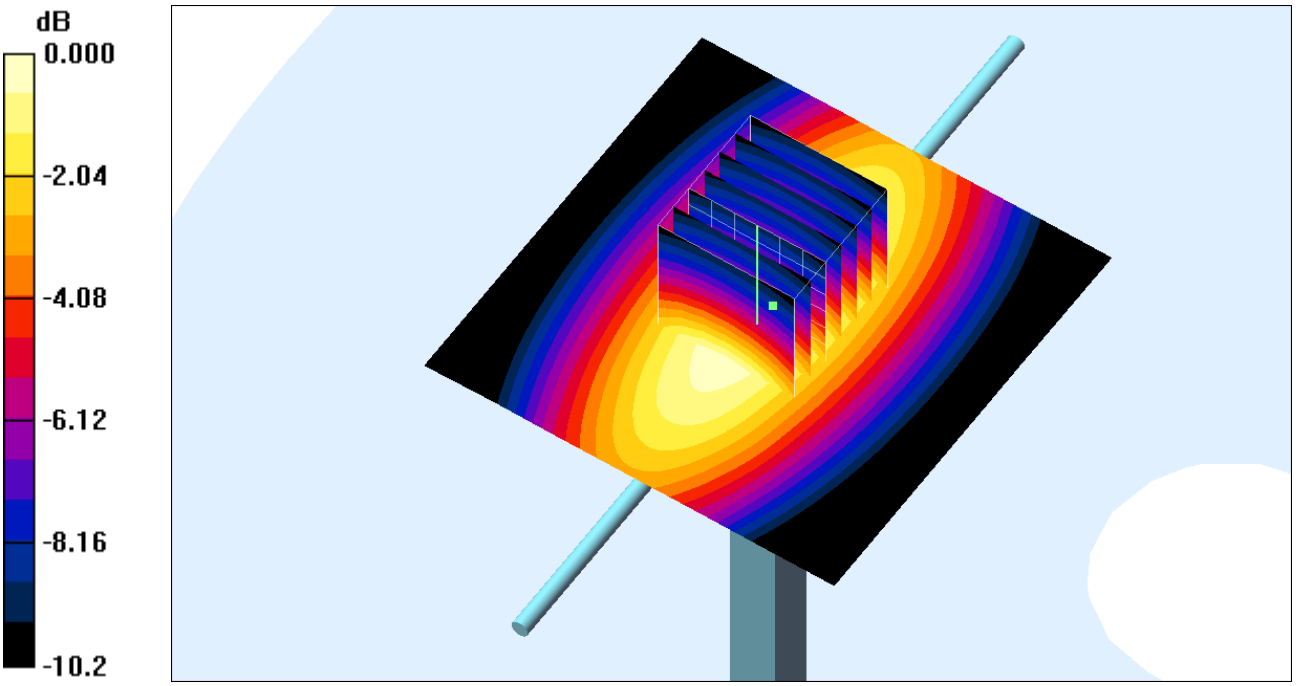
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_110807 Medium parameters used: f = 835 MHz; σ = 0.912 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.58 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.4 V/m; Power Drift = 0.035 dB
Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 2.38 mW/g; SAR(10 g) = 1.58 mW/g
Maximum value of SAR (measured) = 2.57 mW/g



0 dB = 2.57mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

System Check_Head_835MHz_110809

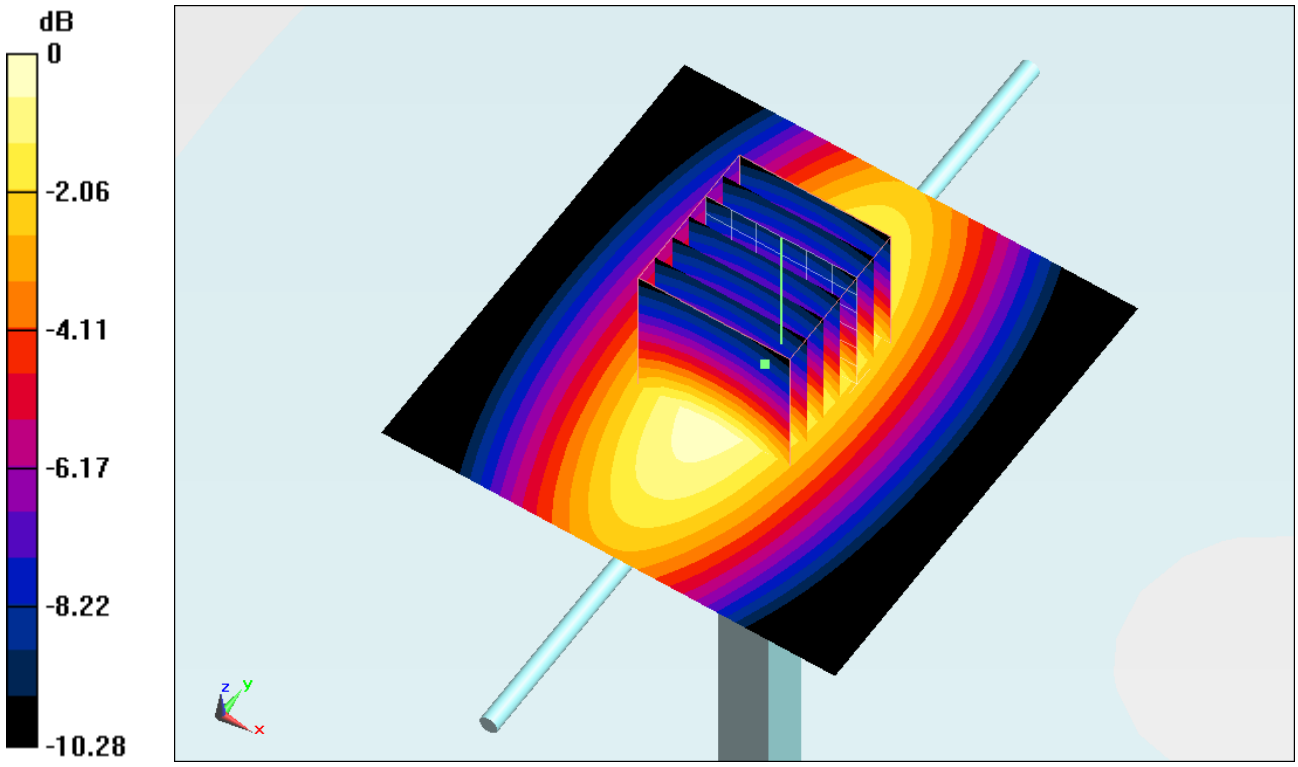
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_110809 Medium parameters used: f = 835 MHz; σ = 0.886 mho/m; ε_r = 41.325; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.718 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.968 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 3.498 W/kg
SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.65 mW/g
Maximum value of SAR (measured) = 2.694 mW/g



0 dB = 2.690mW/g

System Check_Body_835MHz_110807

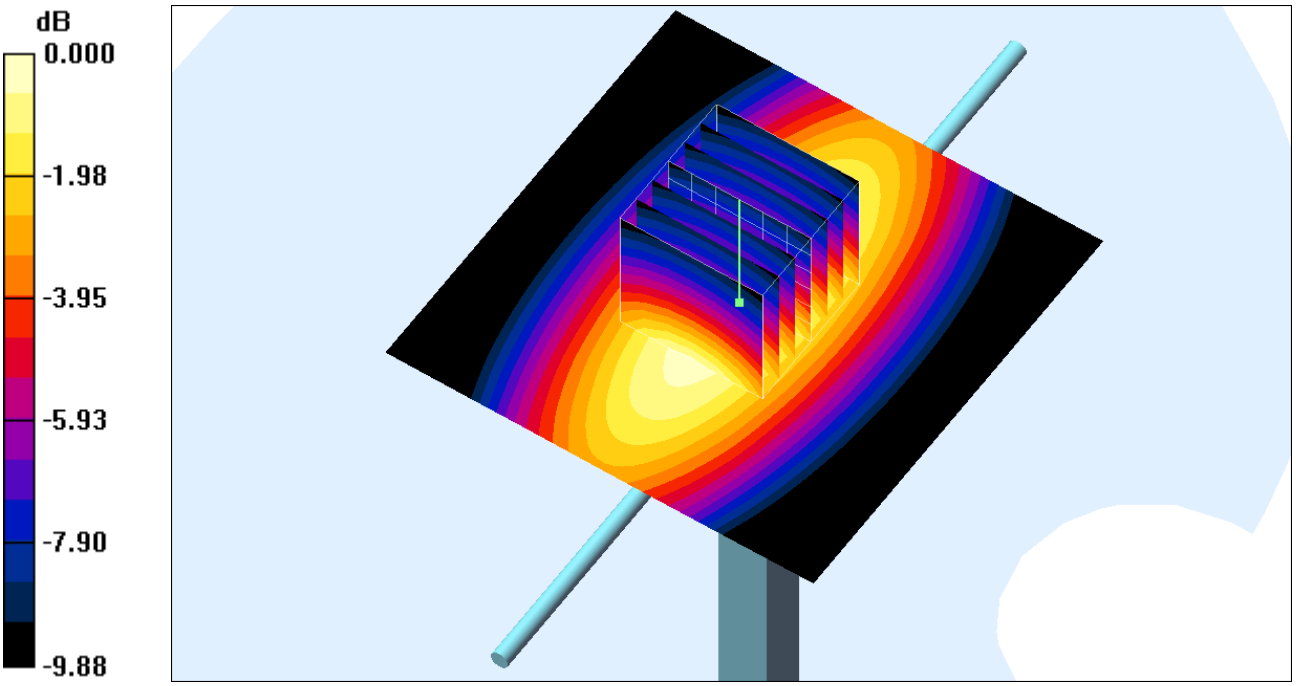
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_110807 Medium parameters used: f = 835 MHz; σ = 0.977 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.66 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.5 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.64 mW/g
Maximum value of SAR (measured) = 2.66 mW/g



0 dB = 2.66mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

System Check_Body_835MHz_110809

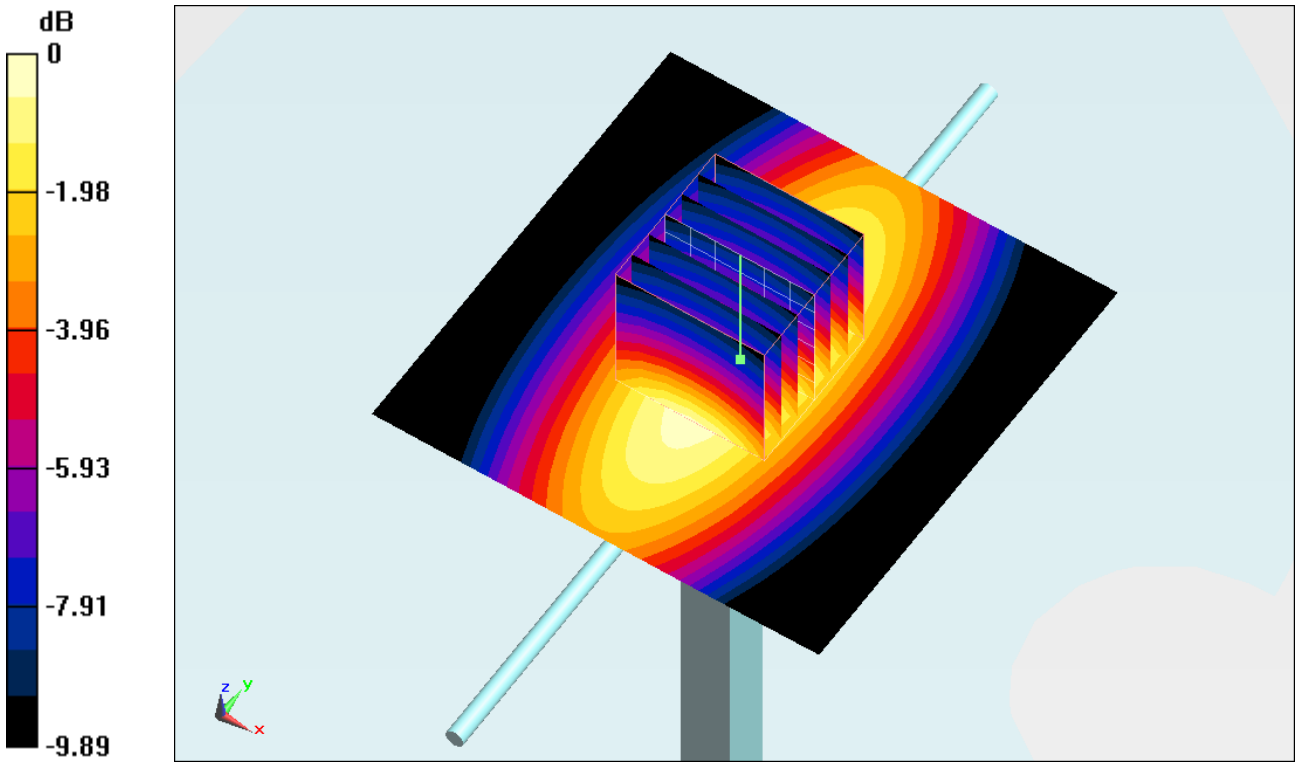
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_110809 Medium parameters used: f = 835 MHz; σ = 0.994 mho/m; ε_r = 56.197; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.648 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.023 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.380 W/kg
SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.63 mW/g
Maximum value of SAR (measured) = 2.649 mW/g



0 dB = 2.650mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/2

System Check_Head_1800MHz_110902

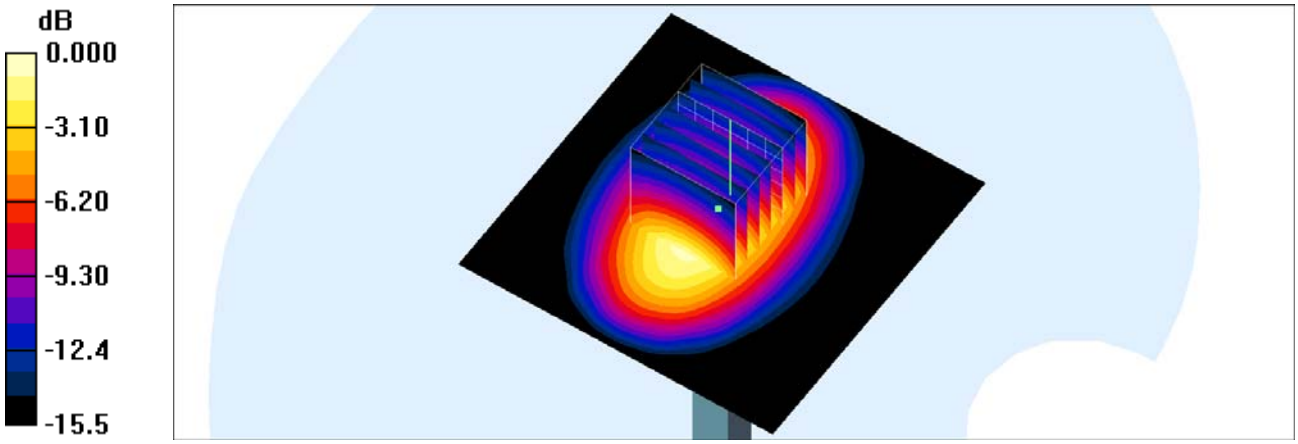
DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used: f = 1800 MHz; σ = 1.45 mho/m; ε_r = 39.3; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 10.9 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 84.3 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 18.1 W/kg
SAR(1 g) = 9.86 mW/g; SAR(10 g) = 5.46 mW/g
Maximum value of SAR (measured) = 10.9 mW/g



0 dB = 10.9mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

System Check_Head_1800MHz_110903

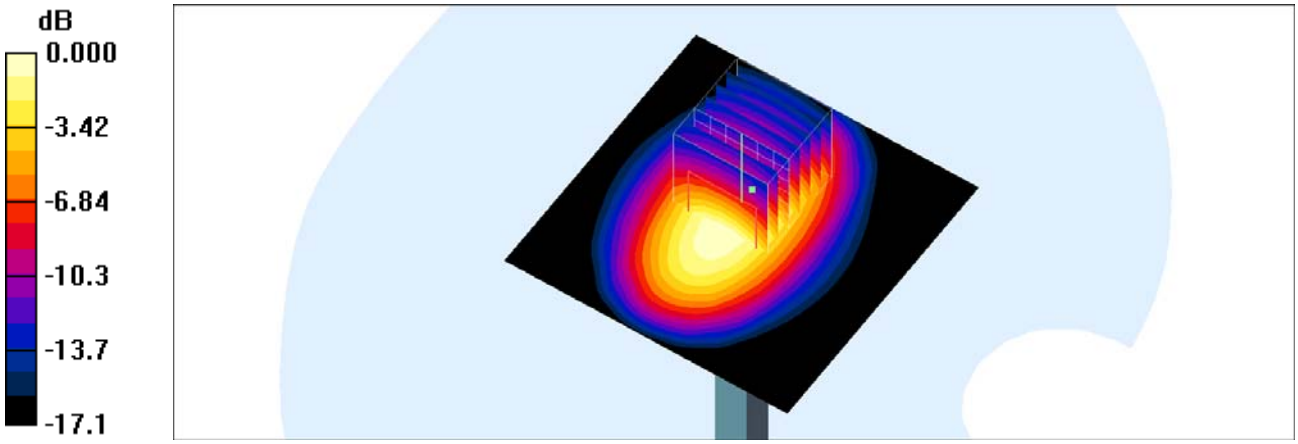
DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used: f = 1800 MHz; σ = 1.45 mho/m; ε_r = 40.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 10.8 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.5 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 9.72 mW/g; SAR(10 g) = 5.36 mW/g
Maximum value of SAR (measured) = 10.7 mW/g



0 dB = 10.7mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

System Check_Body_1800MHz_110903

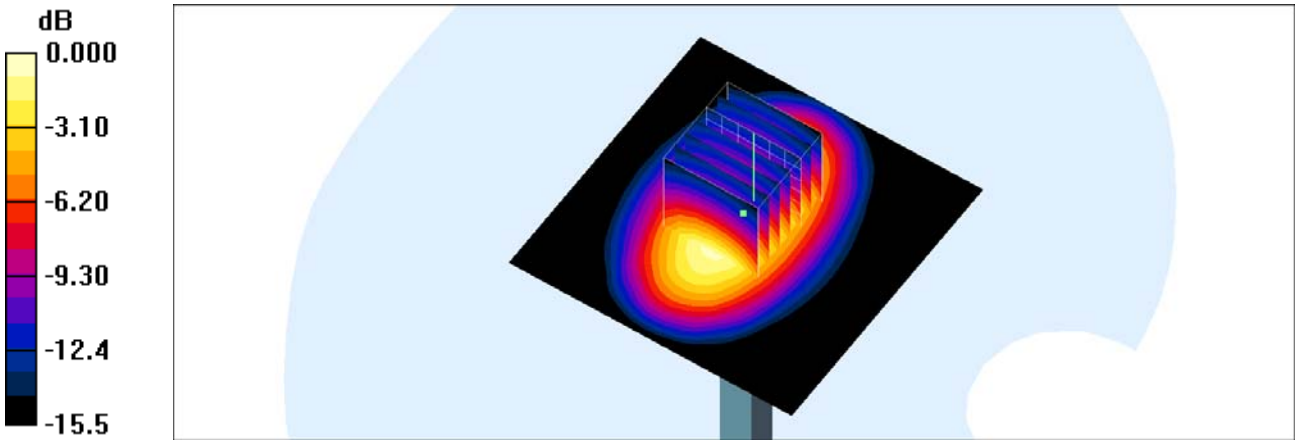
DUT: Dipole 1800 MHz

Communication System: CW; Frequency: 1800 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used: f = 1800 MHz; σ = 1.6 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.3 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 81.4 V/m; Power Drift = 0.116 dB
Peak SAR (extrapolated) = 18.8 W/kg
SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.65 mW/g
Maximum value of SAR (measured) = 11.3 mW/g



0 dB = 11.3mW/g

System Check_Head_1900MHz_110807

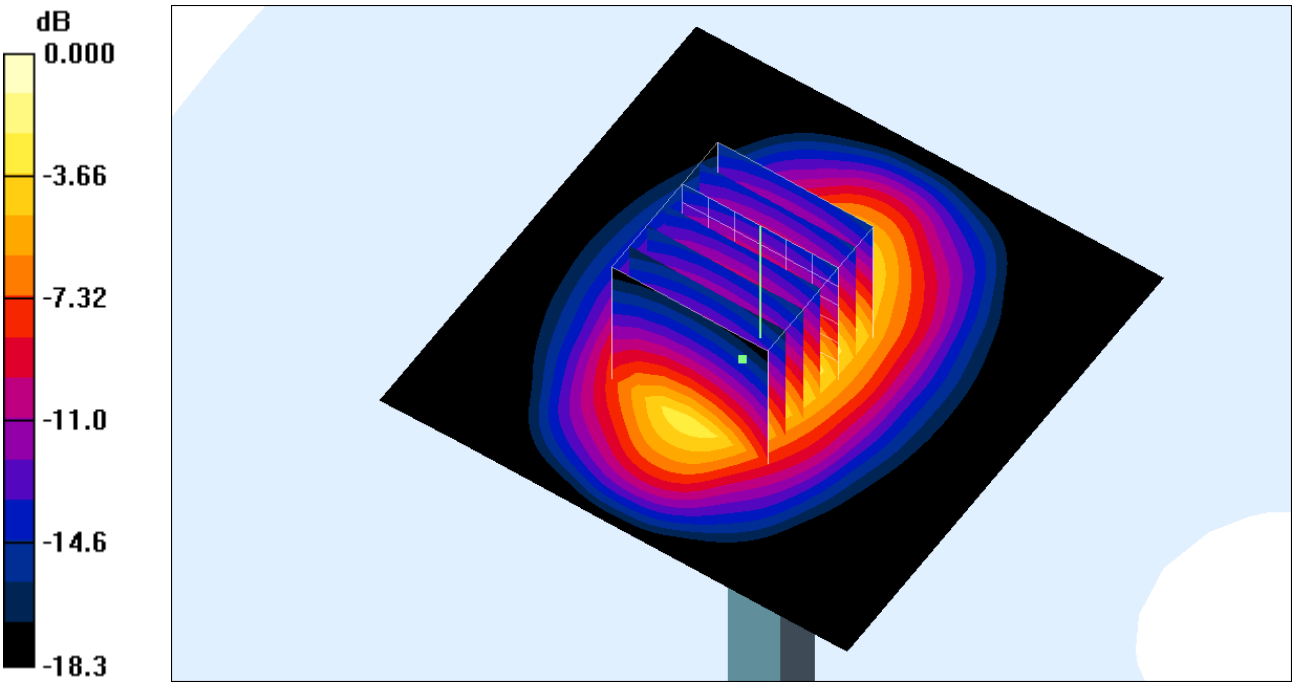
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110807 Medium parameters used: f = 1900 MHz; σ = 1.43 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.0 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.4 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 9.38 mW/g; SAR(10 g) = 4.95 mW/g
Maximum value of SAR (measured) = 10.5 mW/g



0 dB = 10.5mW/g

System Check_Head_1900MHz_110818

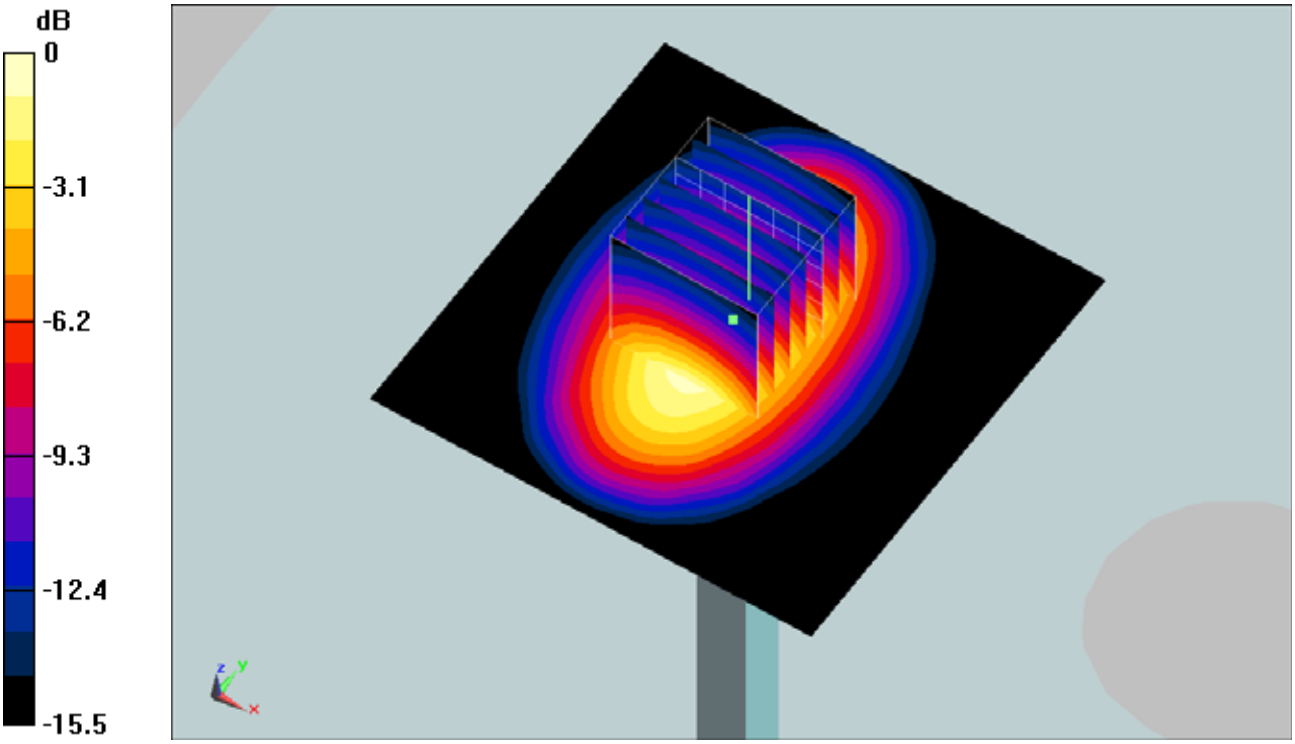
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110818 Medium parameters used: f = 1900 MHz; σ = 1.42 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.76, 7.76, 7.76); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 11.2 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86 V/m; Power Drift = 0.063 dB
Peak SAR (extrapolated) = 18.6 W/kg
SAR(1 g) = 10.1 mW/g; SAR(10 g) = 5.6 mW/g
Maximum value of SAR (measured) = 11.1 mW/g



0 dB = 11.1mW/g

System Check_Body_1900MHz_110807

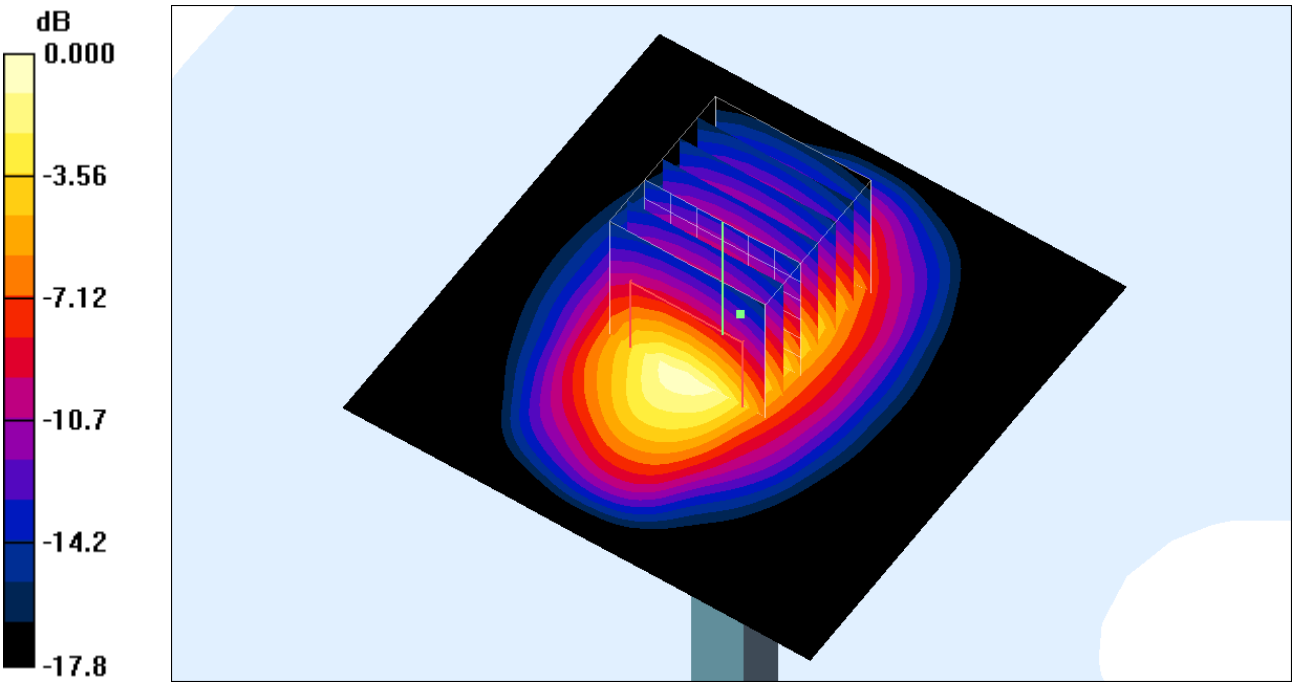
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110807 Medium parameters used: f = 1900 MHz; σ = 1.54 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.4 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.3 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.48 mW/g
Maximum value of SAR (measured) = 11.8 mW/g



0 dB = 11.8mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

System Check_Body_1900MHz_110809

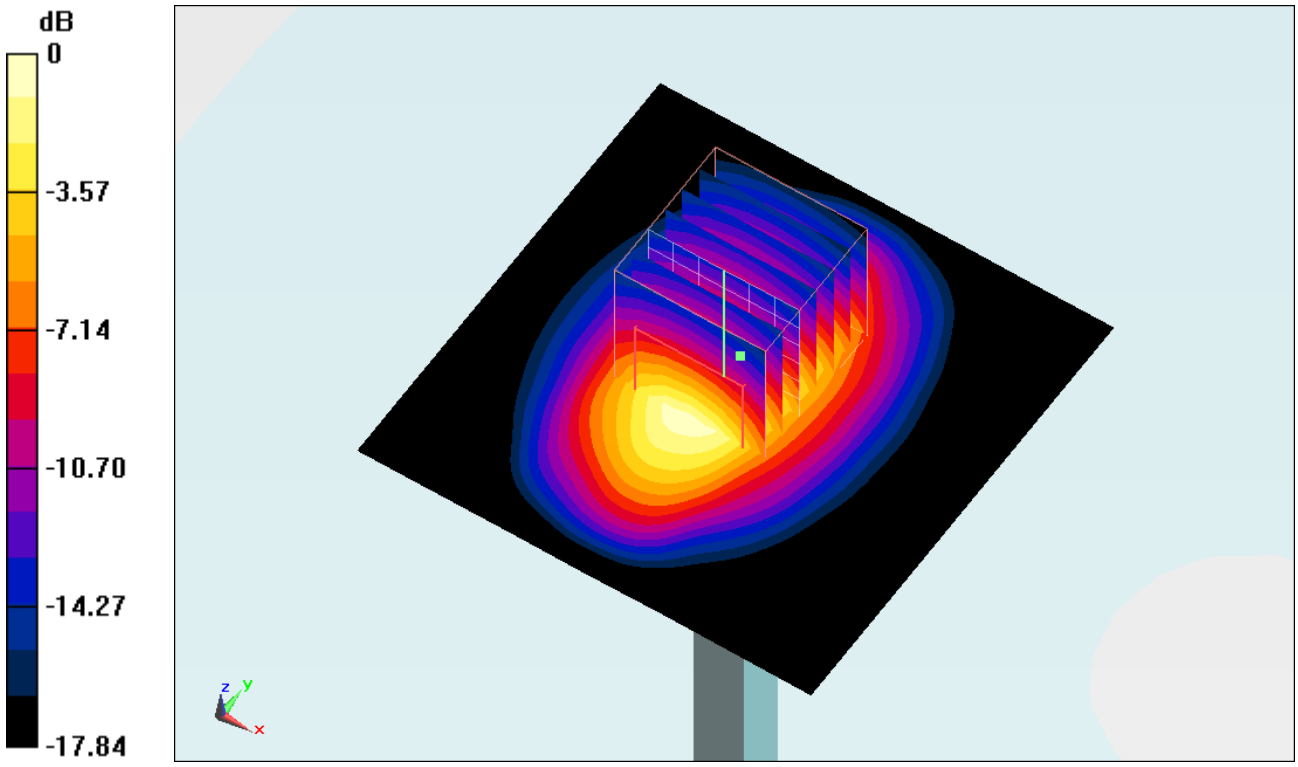
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110809 Medium parameters used: f = 1900 MHz; σ = 1.515 mho/m; ε_r = 55.045; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 12.454 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.093 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 17.780 W/kg
SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.48 mW/g
Maximum value of SAR (measured) = 11.761 mW/g



0 dB = 11.760mW/g

System Check_Head_2450MHz_110809

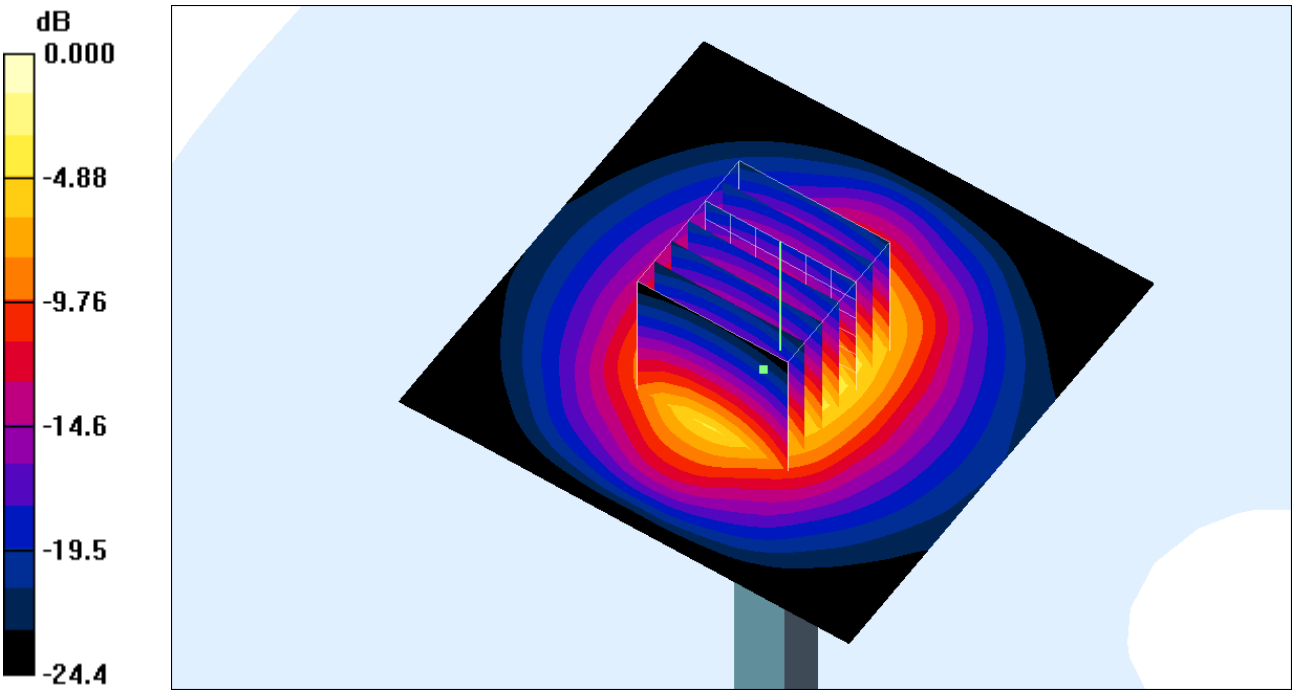
DUT: Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: HSL_2450_110809 Medium parameters used: f = 2450 MHz; σ = 1.84 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.41, 4.41, 4.41); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 16.5 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.1 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 30.8 W/kg
SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.14 mW/g
Maximum value of SAR (measured) = 15.1 mW/g



0 dB = 15.1mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

System Check_Body_2450MHz_110808

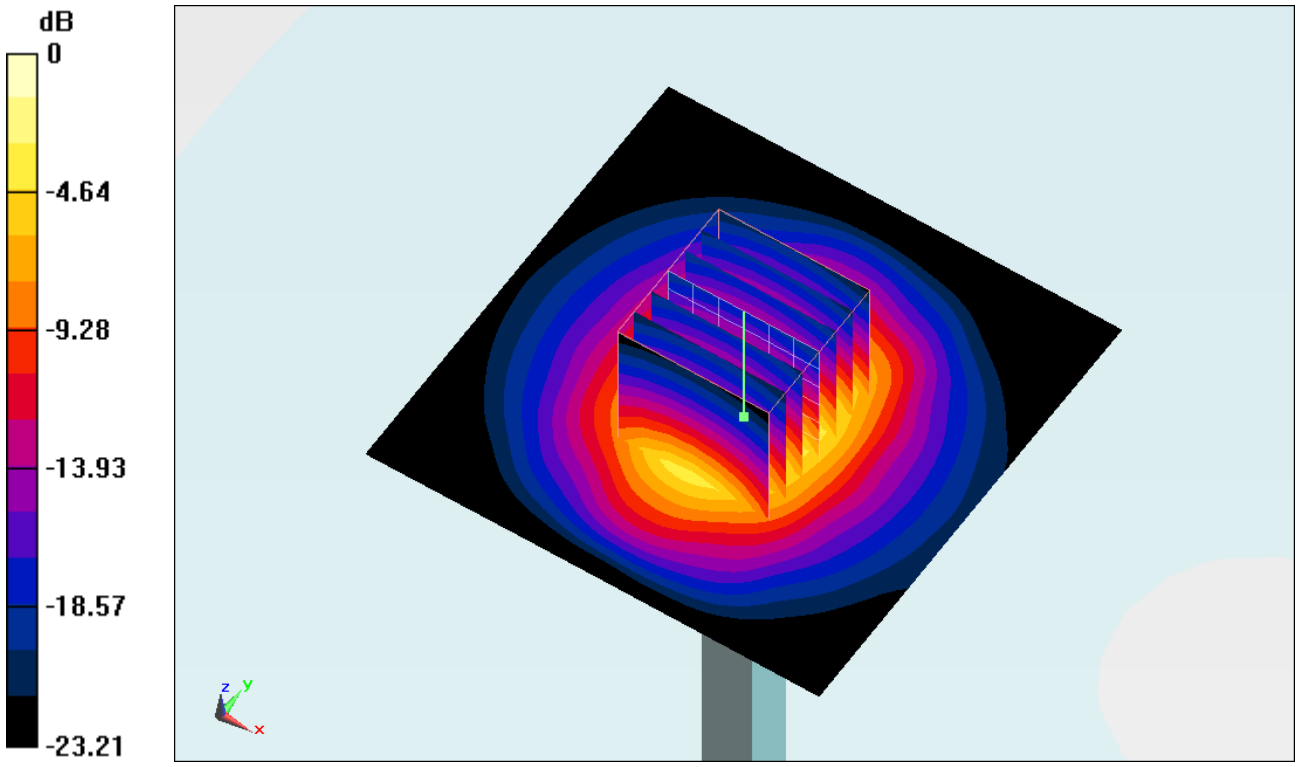
DUT: Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_110808 Medium parameters used: f = 2450 MHz; σ = 1.965 mho/m; ε_r = 51.537; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 15.227 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 83.873 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 28.772 W/kg
SAR(1 g) = 13 mW/g; SAR(10 g) = 5.97 mW/g
Maximum value of SAR (measured) = 14.511 mW/g



0 dB = 14.510mW/g

#201 GSM850_Left Cheek_Ch189

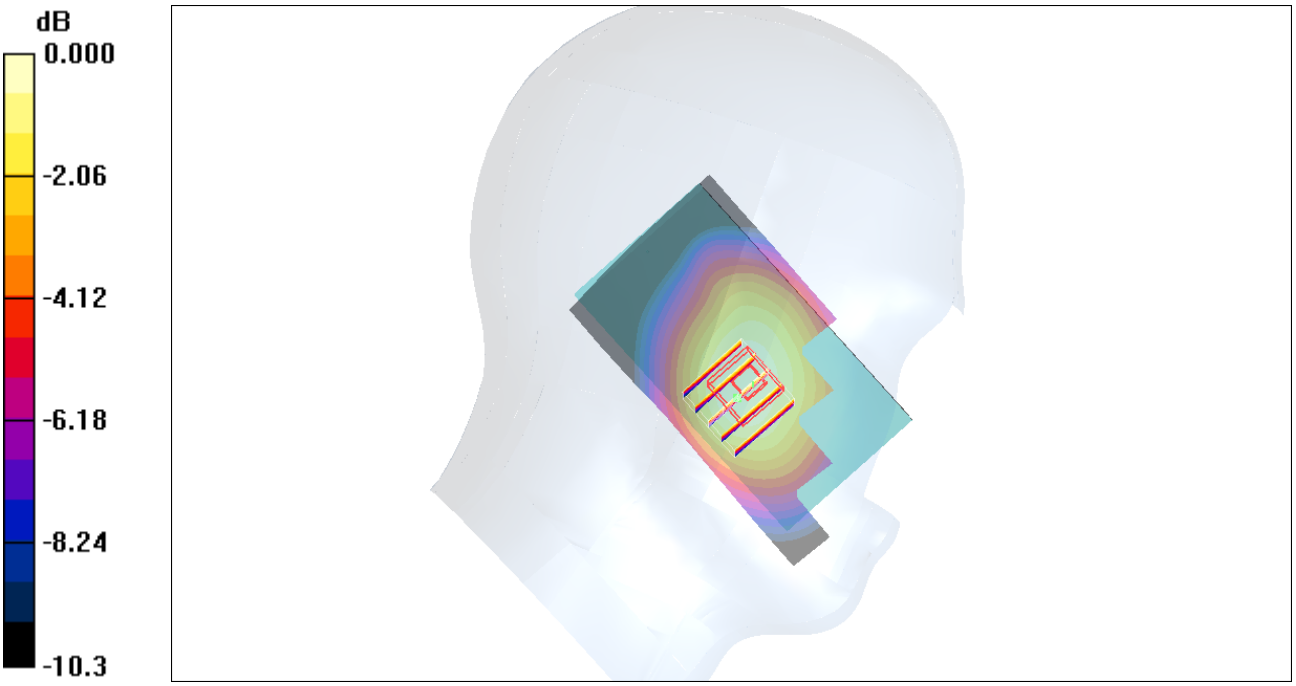
DUT: 172733

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_110807 Medium parameters used: f = 836.4 MHz; σ = 0.914 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.208 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.82 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.204 mW/g



0 dB = 0.204mW/g

#201 GSM850_Left Cheek_Ch189_2D

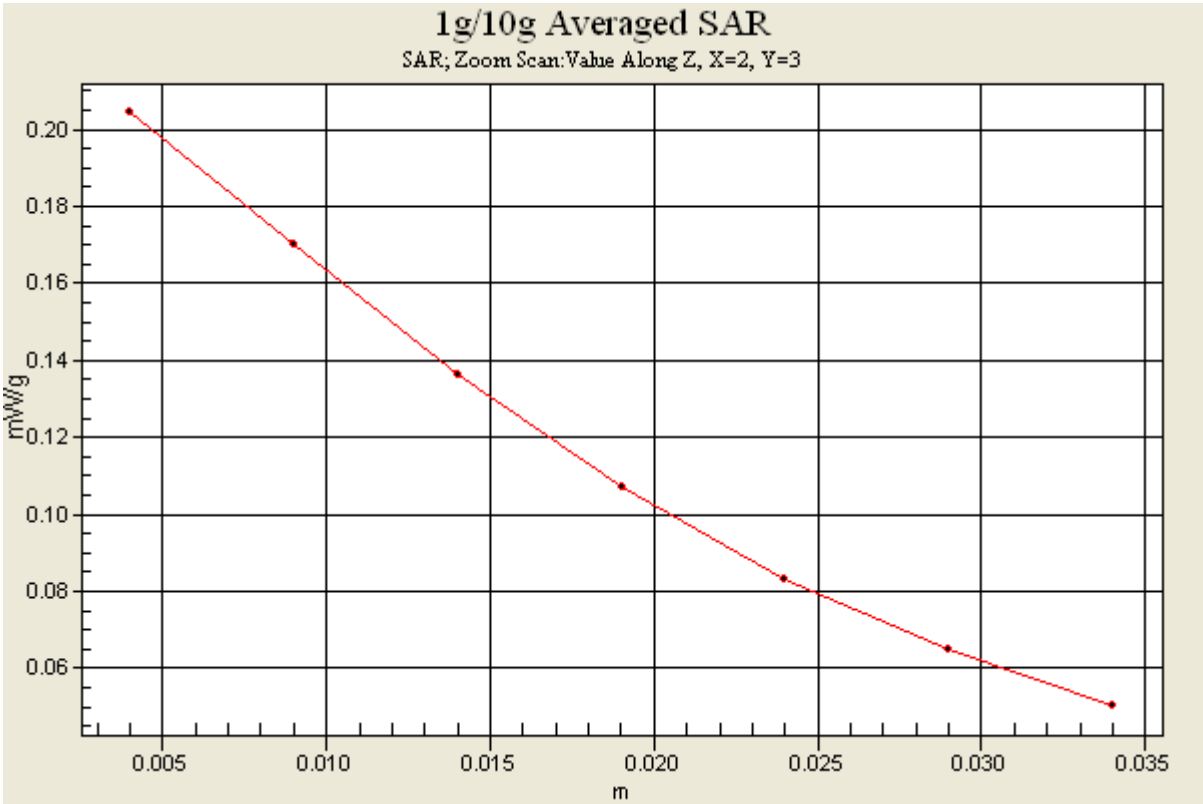
DUT: 172733

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:8.3
Medium: HSL_850_110807 Medium parameters used: f = 836.4 MHz; σ = 0.914 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.208 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.82 V/m; Power Drift = 0.094 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.147 mW/g
Maximum value of SAR (measured) = 0.204 mW/g



#202 GSM1900_Right Cheek_Ch810

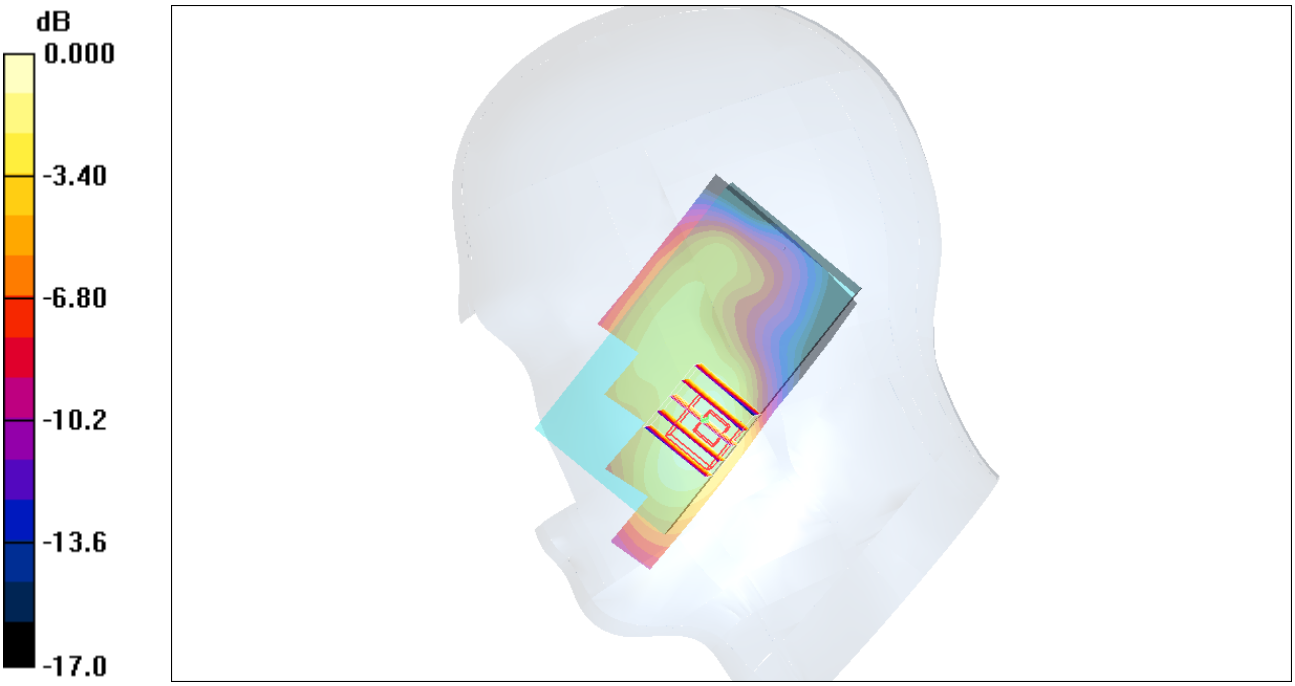
DUT: 172733

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_110807 Medium parameters used: f = 1910 MHz; σ = 1.44 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.440 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.81 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



0 dB = 0.419mW/g

#202 GSM1900_Right Cheek_Ch810_2D

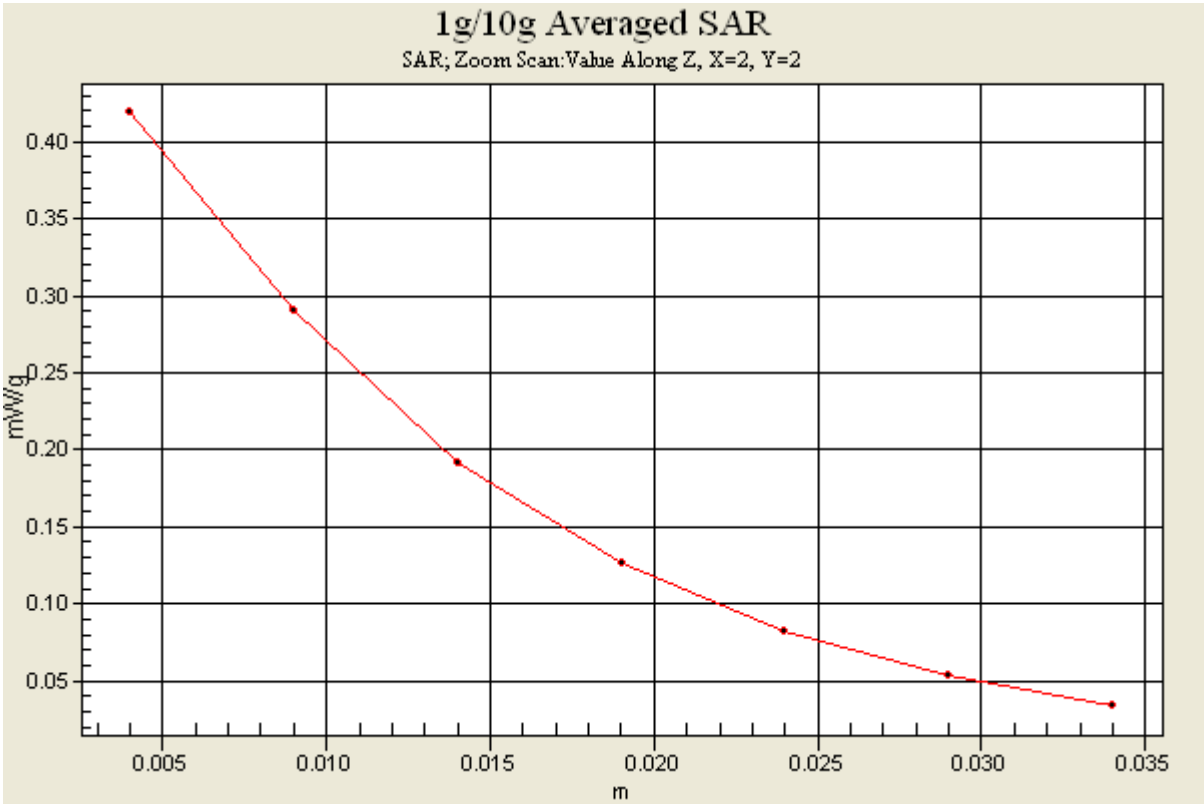
DUT: 172733

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium: HSL_1900_110807 Medium parameters used: f = 1910 MHz; σ = 1.44 mho/m; ε_r = 39; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.440 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.81 V/m; Power Drift = -0.154 dB
Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.419 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#203 WCDMA V_RMC12.2K_Left Cheek_Ch4132

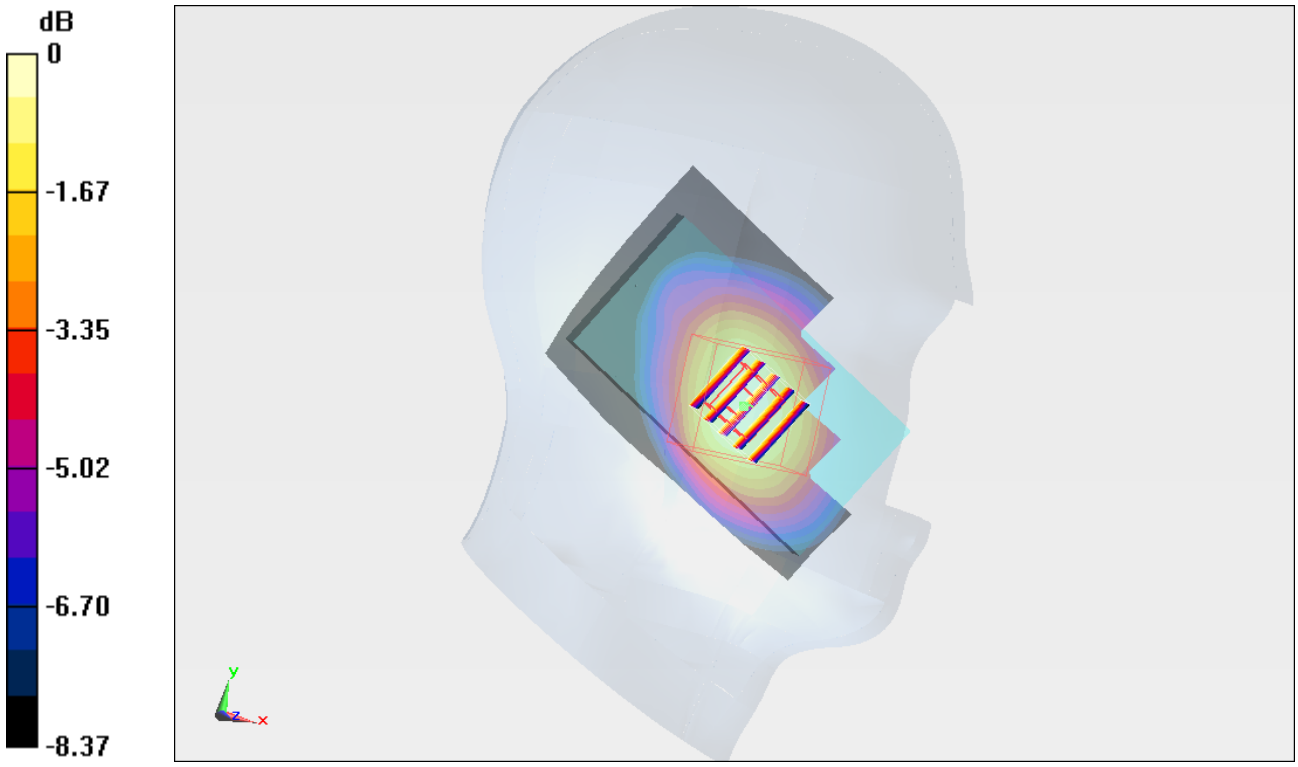
DUT: 172733

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_110809 Medium parameters used: f = 826.4 MHz; σ = 0.877 mho/m; ε_r = 41.43; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.972 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.228 mW/g
Maximum value of SAR (measured) = 0.315 mW/g



0 dB = 0.320mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#203 WCDMA V_RMC12.2K_Left Cheek_Ch4132_2D

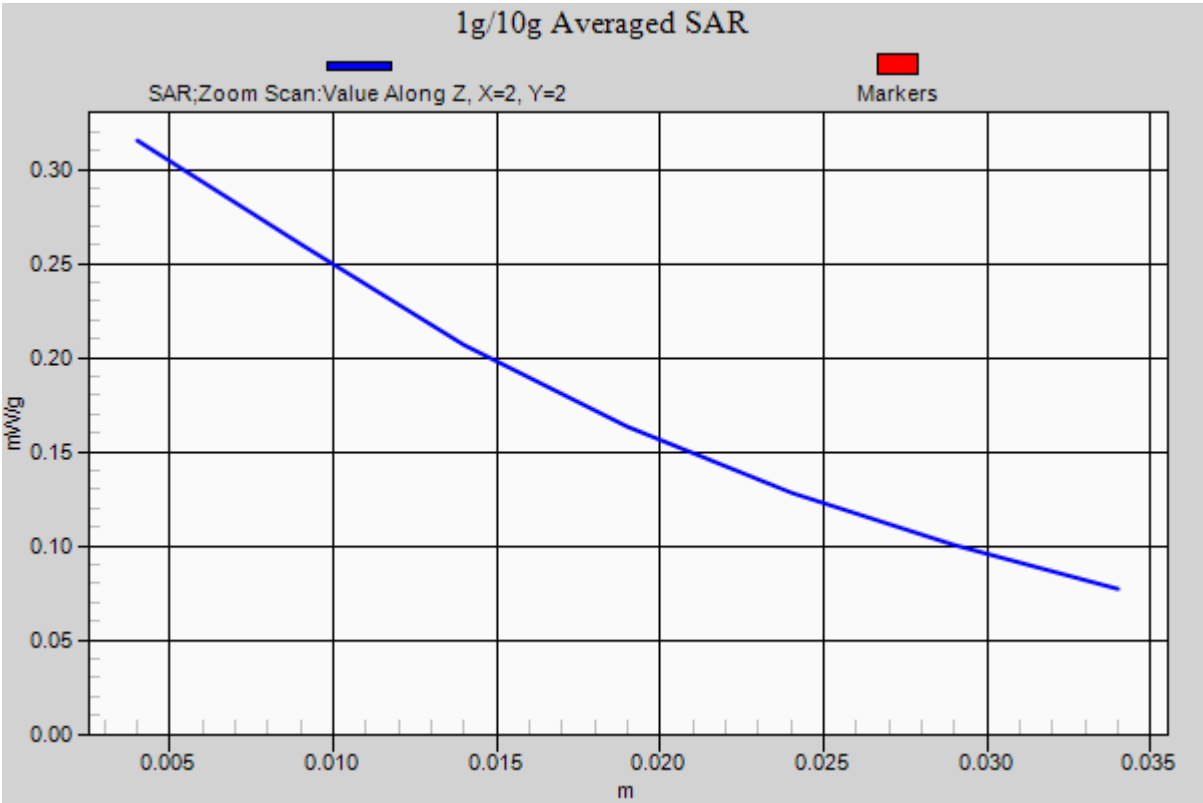
DUT: 172733

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_850_110809 Medium parameters used: f = 826.4 MHz; σ = 0.877 mho/m; ε_r = 41.43; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Left; Type: QD000P40CD; Serial: TP:1542
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.317 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.972 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.356 W/kg
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.228 mW/g
Maximum value of SAR (measured) = 0.315 mW/g



#204 WCDMA II_RMC12.2_Right Cheek_Ch9400

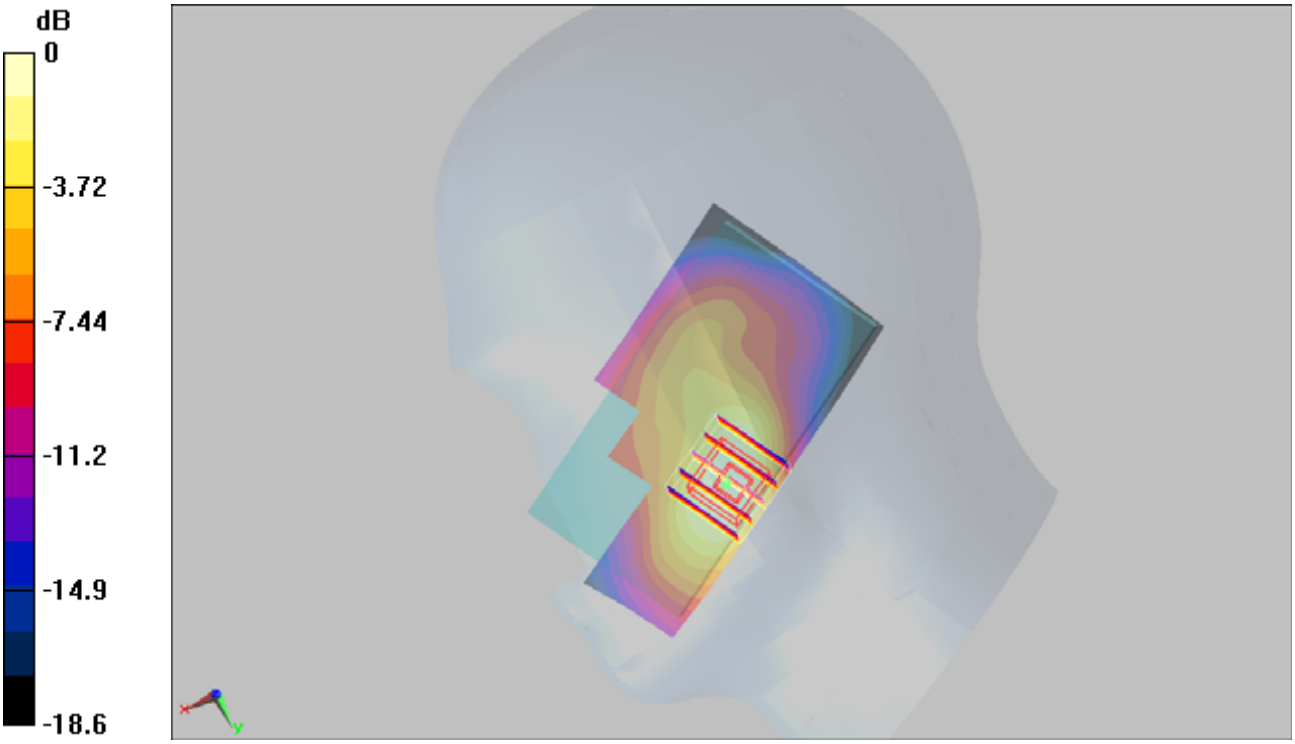
DUT: 172733

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110818 Medium parameters used: f = 1880 MHz; σ = 1.41 mho/m; ε_r = 41.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.76, 7.76, 7.76); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch9400/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.24 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.38 V/m; Power Drift = 0.117 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.683 mW/g
Maximum value of SAR (measured) = 1.26 mW/g



0 dB = 1.26mW/g

#205 WCDMA II_RMC12.2_Right Cheek_Ch9262

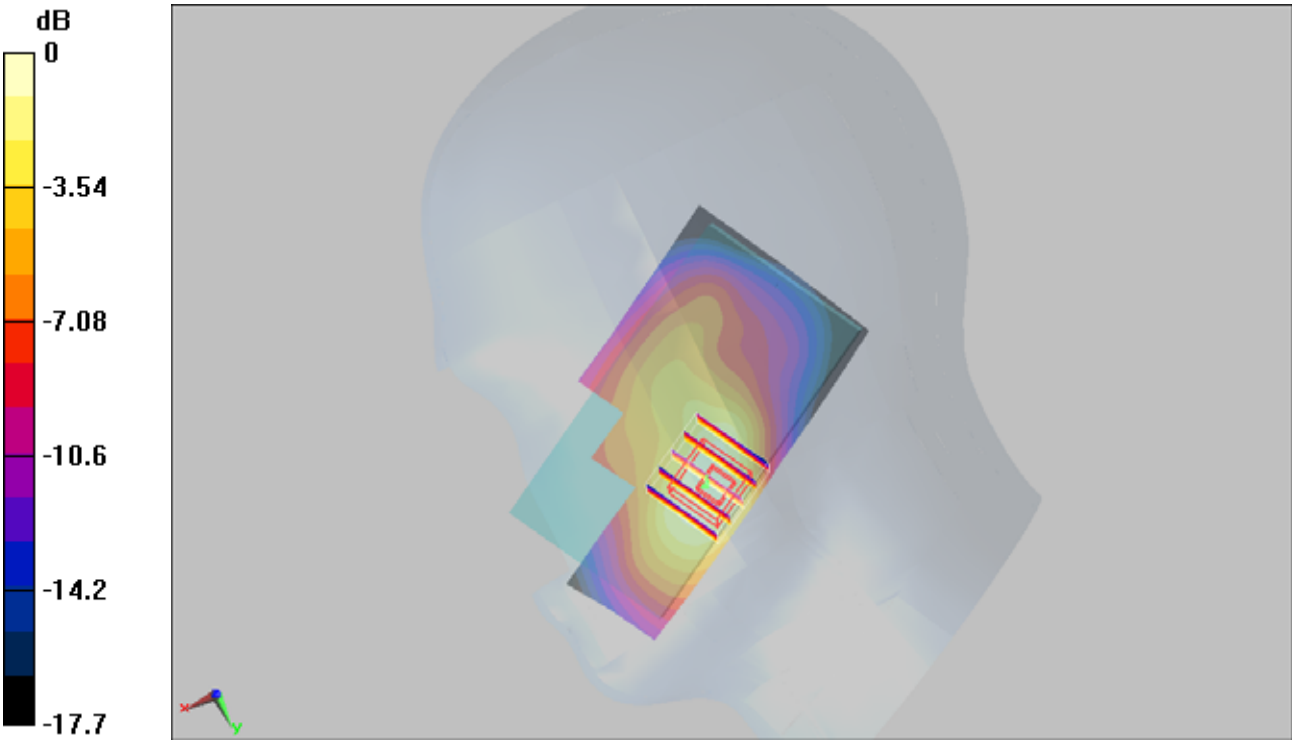
DUT: 172733

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110818 Medium parameters used: f = 1852.4 MHz; σ = 1.38 mho/m; ε_r = 41.3; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.76, 7.76, 7.76); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch9262/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.25 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.03 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.83 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.685 mW/g
Maximum value of SAR (measured) = 1.21 mW/g



0 dB = 1.21mW/g

#206 WCDMA II_RMC12.2_Right Cheek_Ch9538

DUT: 172733

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110818 Medium parameters used: f = 1908 MHz; σ = 1.43 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.76, 7.76, 7.76); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch9538/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.3 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.51 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.703 mW/g
Maximum value of SAR (measured) = 1.29 mW/g

0 dB = 1.29mW/g

#206 WCDMA II_RMC12.2_Right Cheek_Ch9538_2D

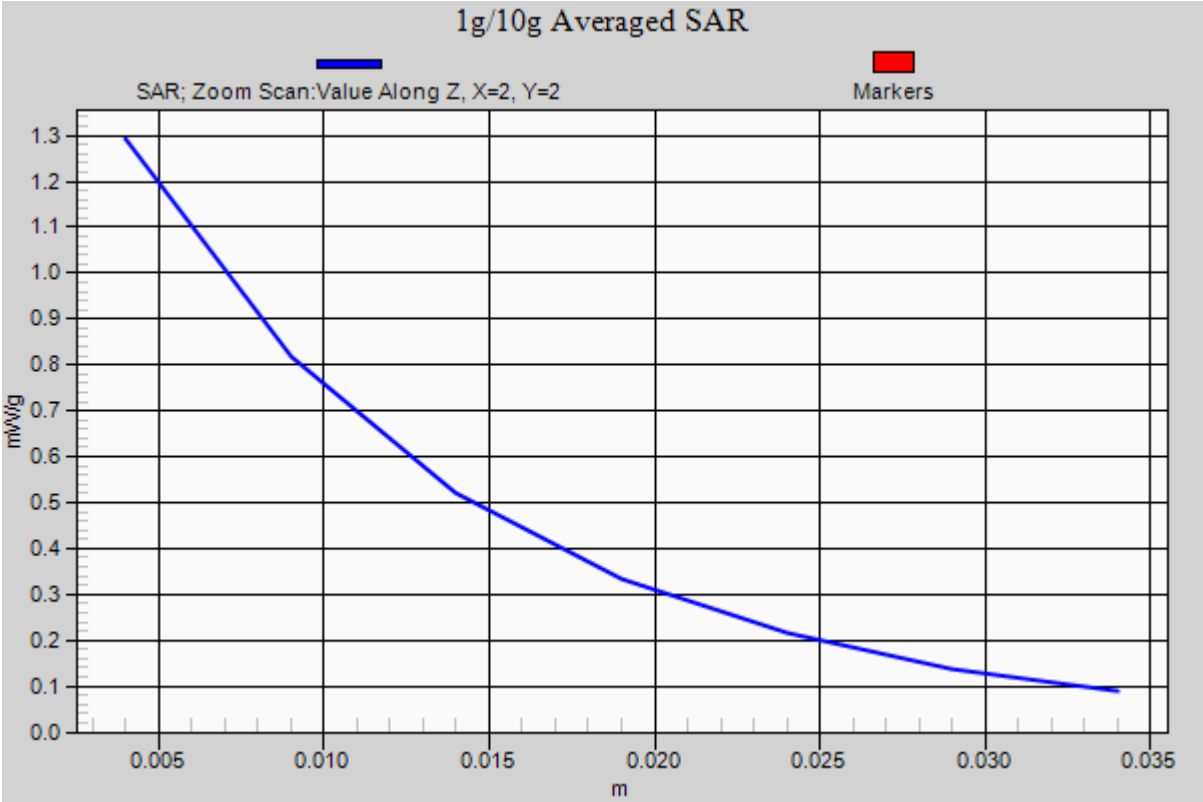
DUT: 172733

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: HSL_1900_110818 Medium parameters used: f = 1908 MHz; σ = 1.43 mho/m; ε_r = 41; ρ = 1000 kg/m^3
Ambient Temperature：22.5 °C; Liquid Temperature：21.5 °C

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.76, 7.76, 7.76); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM-Back; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Ch9538/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.3 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.51 V/m; Power Drift = 0.045 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.703 mW/g
Maximum value of SAR (measured) = 1.29 mW/g



#218 LTE Band4_QPSK(36-18)_Right Cheek_Ch20175_15M

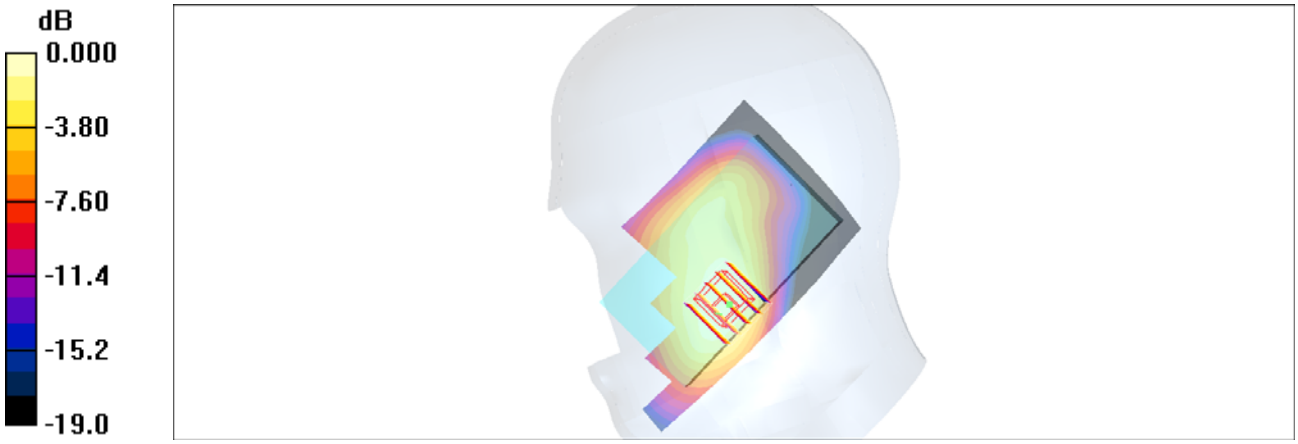
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.681 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.65 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 0.915 W/kg
SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.649 mW/g



0 dB = 0.649mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/2

#218 LTE Band4_QPSK(36-18)_Right Cheek_Ch20175_15M_2D

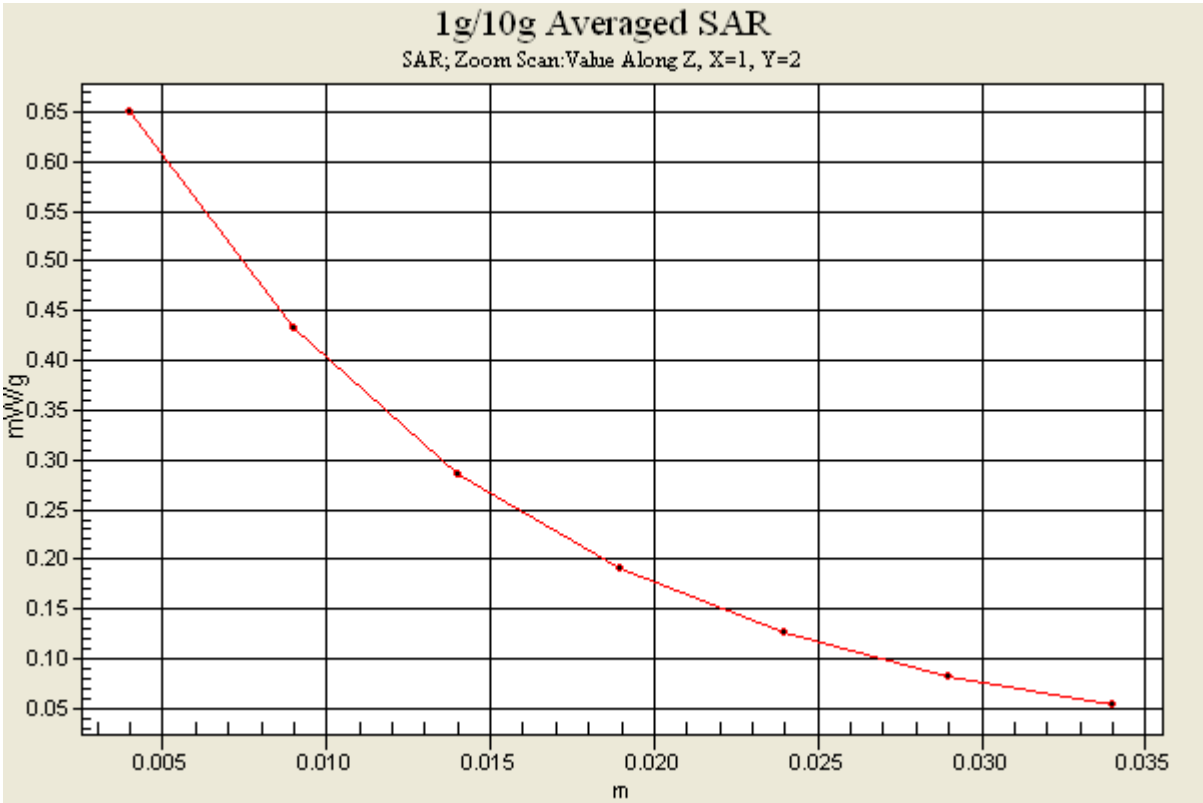
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.681 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.65 V/m; Power Drift = 0.194 dB
Peak SAR (extrapolated) = 0.915 W/kg
SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 0.649 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/2

#219 LTE Band4_QPSK(1-0)_Right Cheek_Ch20175_15M

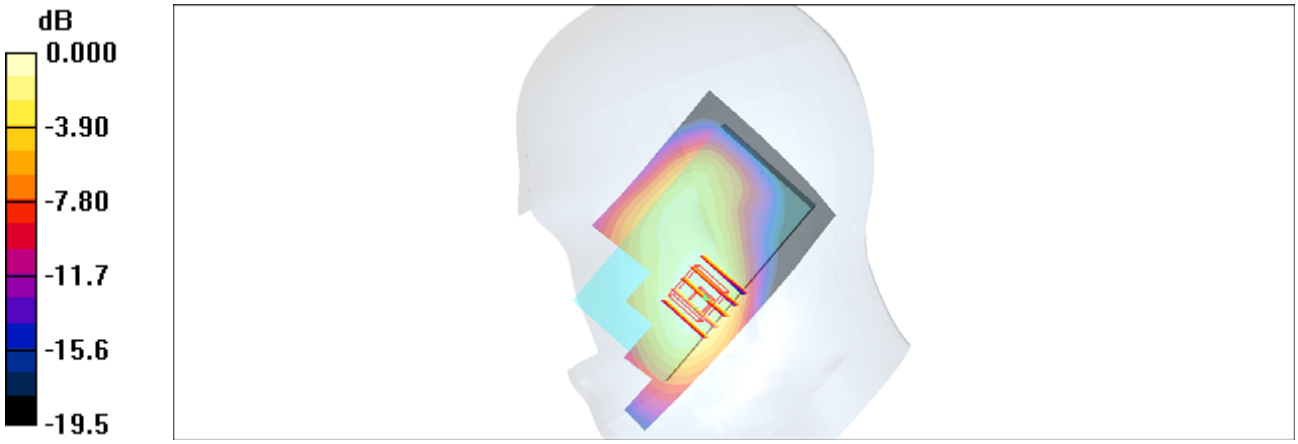
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.682 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.63 V/m; Power Drift = 0.027 dB
Peak SAR (extrapolated) = 0.916 W/kg
SAR(1 g) = 0.608 mW/g; SAR(10 g) = 0.397 mW/g
Maximum value of SAR (measured) = 0.652 mW/g



0 dB = 0.652mW/g

#220 LTE Band4_QPSK(1-74)_Right Cheek_Ch20175_15M

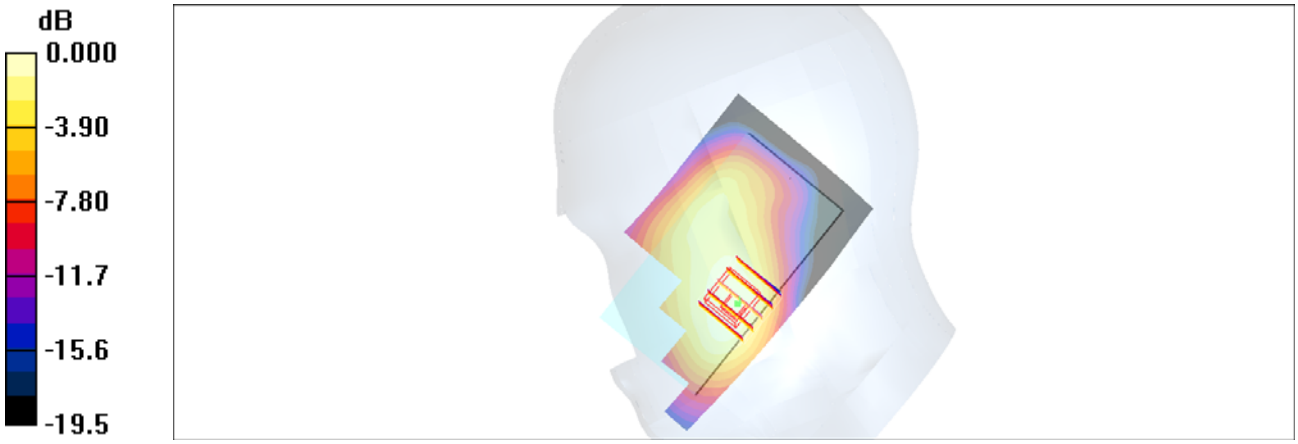
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.659 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.73 V/m; Power Drift = 0.146 dB
Peak SAR (extrapolated) = 0.882 W/kg
SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.618 mW/g



0 dB = 0.618mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/2

#221 LTE Band4_16QAM(36-18)_Right Cheek_Ch20175_15M

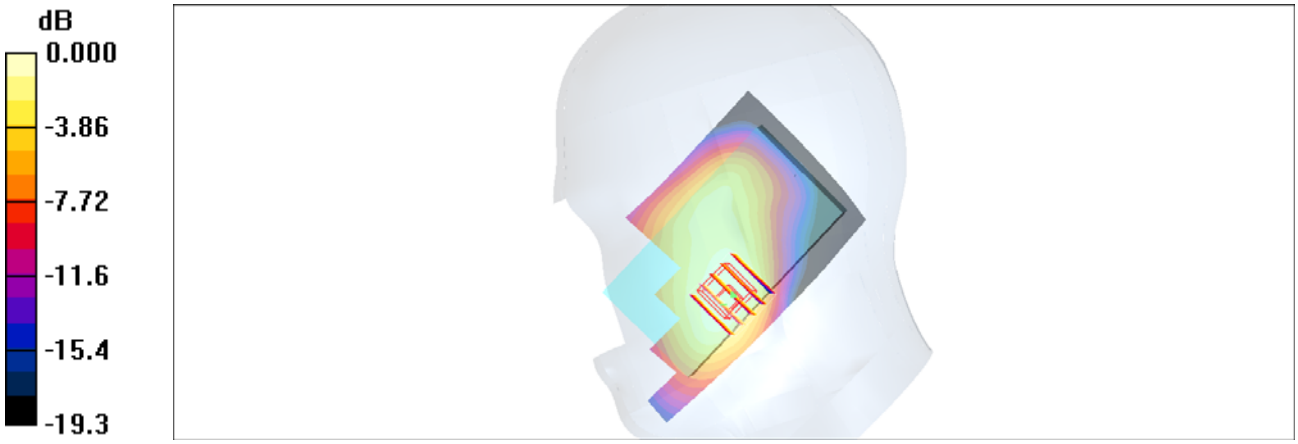
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.647 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.15 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.374 mW/g
Maximum value of SAR (measured) = 0.615 mW/g



0 dB = 0.615mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/2

#222 LTE Band4_16QAM(1-0)_Right Cheek_Ch20175_15M

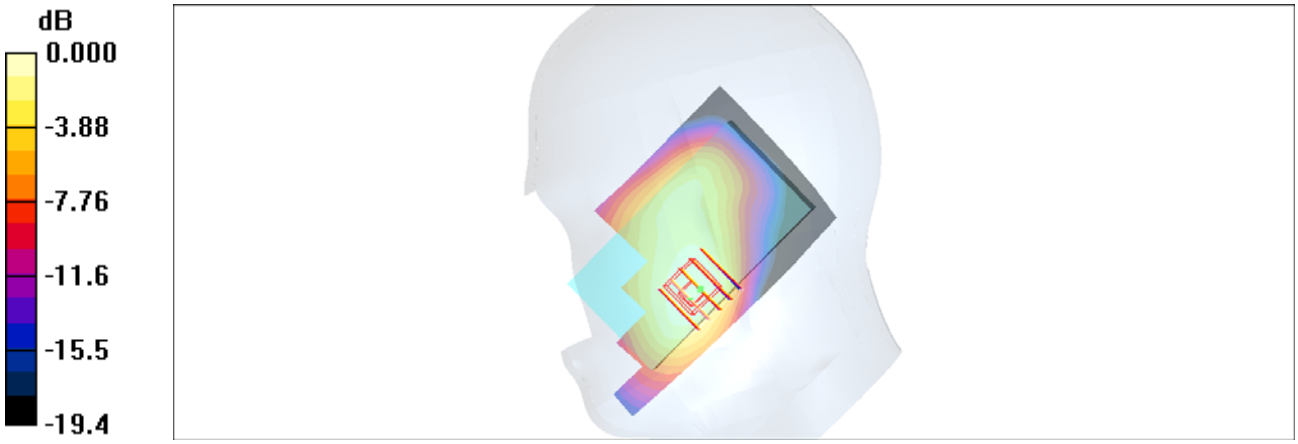
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.654 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.08 V/m; Power Drift = -0.010 dB
Peak SAR (extrapolated) = 0.927 W/kg
SAR(1 g) = 0.585 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.624 mW/g



0 dB = 0.624mW/g

#223 LTE Band4_16QAM(1-74)_Right Cheek_Ch20175_15M

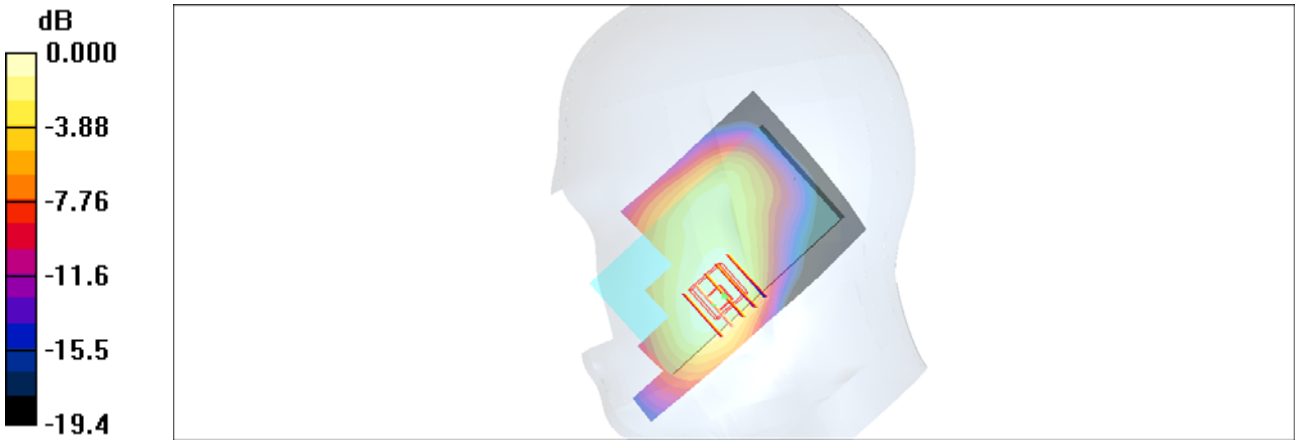
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110902 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.633 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.27 V/m; Power Drift = 0.130 dB
Peak SAR (extrapolated) = 0.818 W/kg
SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.361 mW/g
Maximum value of SAR (measured) = 0.592 mW/g



0 dB = 0.592mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#224 LTE Band4_QPSK(36-18)_Right Tilted_Ch20175_15M

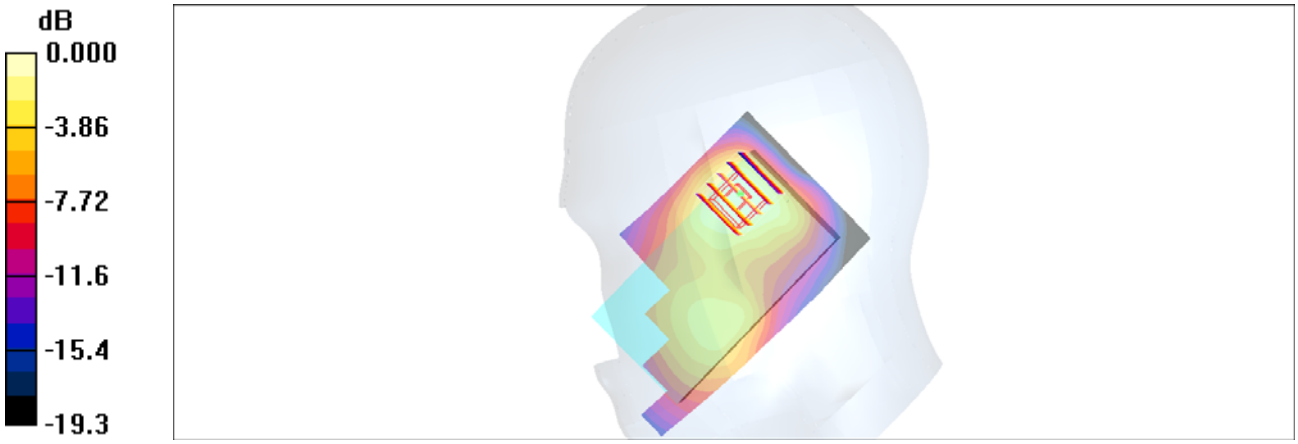
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.334 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = 0.183 dB
Peak SAR (extrapolated) = 0.408 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.181 mW/g
Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302mW/g

#225 LTE Band4_QPSK(1-0)_Right Tilted_Ch20175_15M

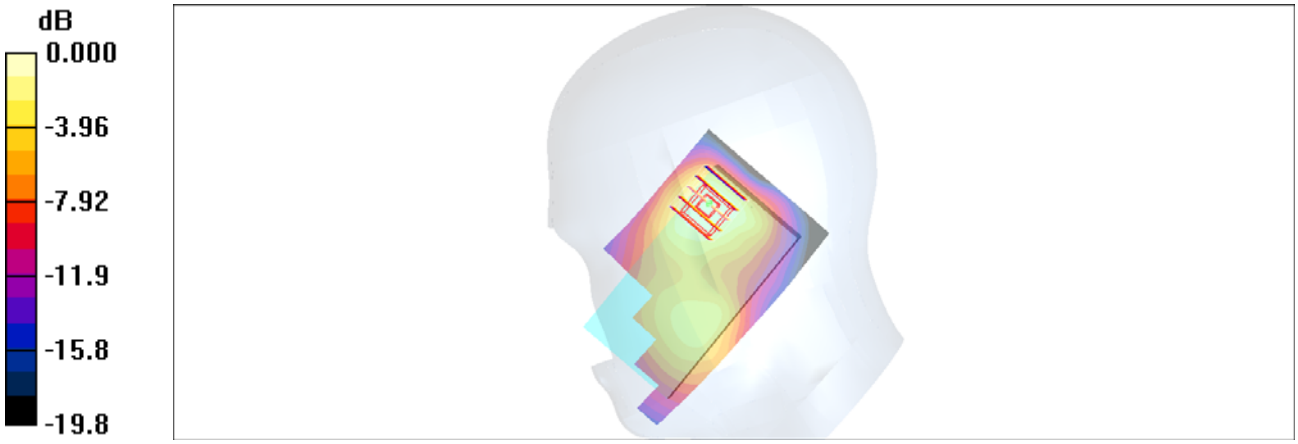
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.368 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.328 mW/g



0 dB = 0.328mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#225 LTE Band4_QPSK(1-0)_Right Tilted_Ch20175_15M_2D

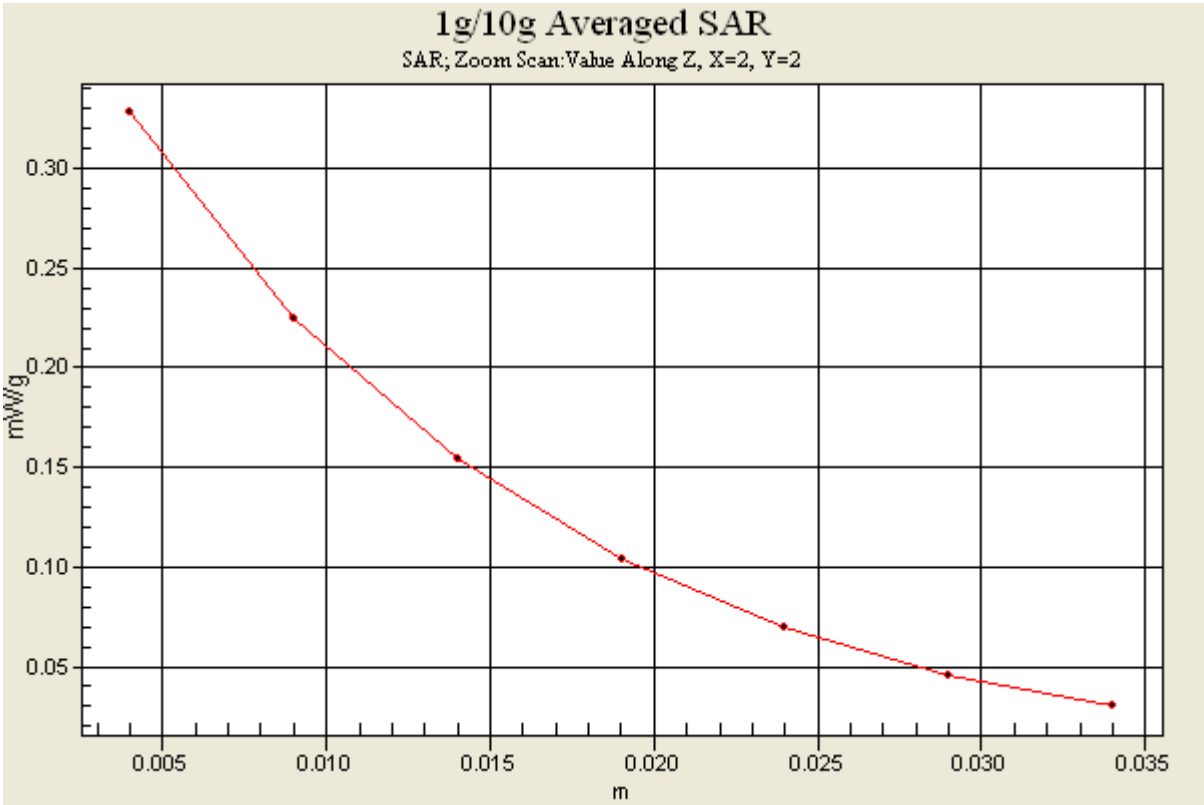
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.368 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.5 V/m; Power Drift = -0.047 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.328 mW/g



#226 LTE Band4_QPSK(1-74)_Right Tilted_Ch20175_15M

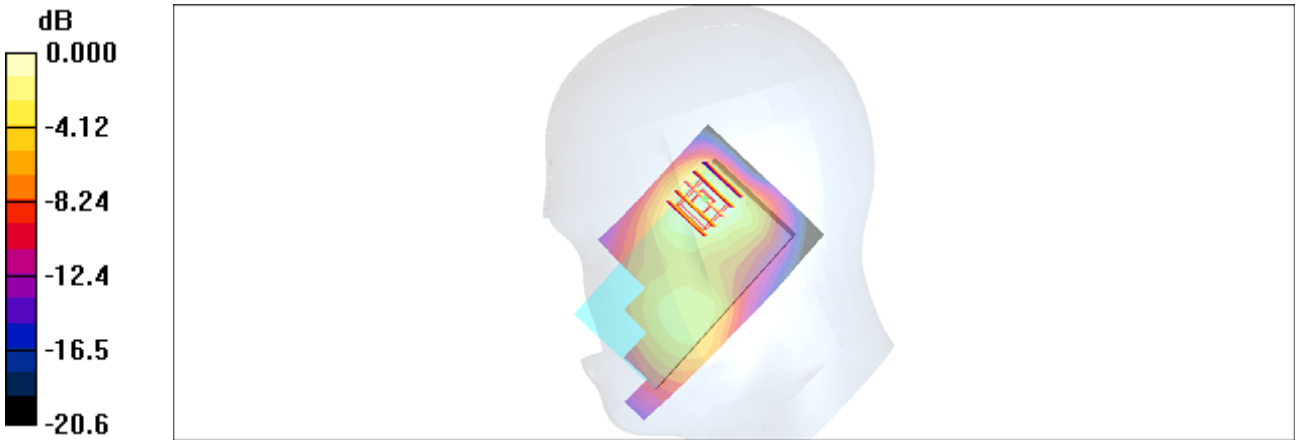
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.344 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.434 W/kg
SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.186 mW/g
Maximum value of SAR (measured) = 0.311 mW/g



0 dB = 0.311mW/g

#227 LTE Band4_16QAM(36-18)_Right Tilted_Ch20175_15M

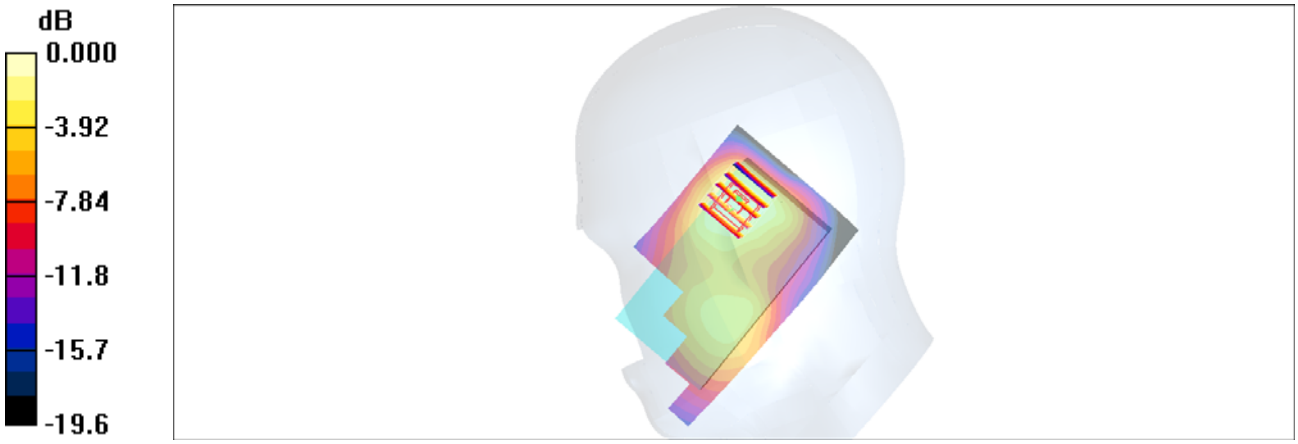
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.321 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.064 dB
Peak SAR (extrapolated) = 0.409 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.176 mW/g
Maximum value of SAR (measured) = 0.294 mW/g



0 dB = 0.294mW/g

#228 LTE Band4_16QAM(1-0)_Right Tilted_Ch20175_15M

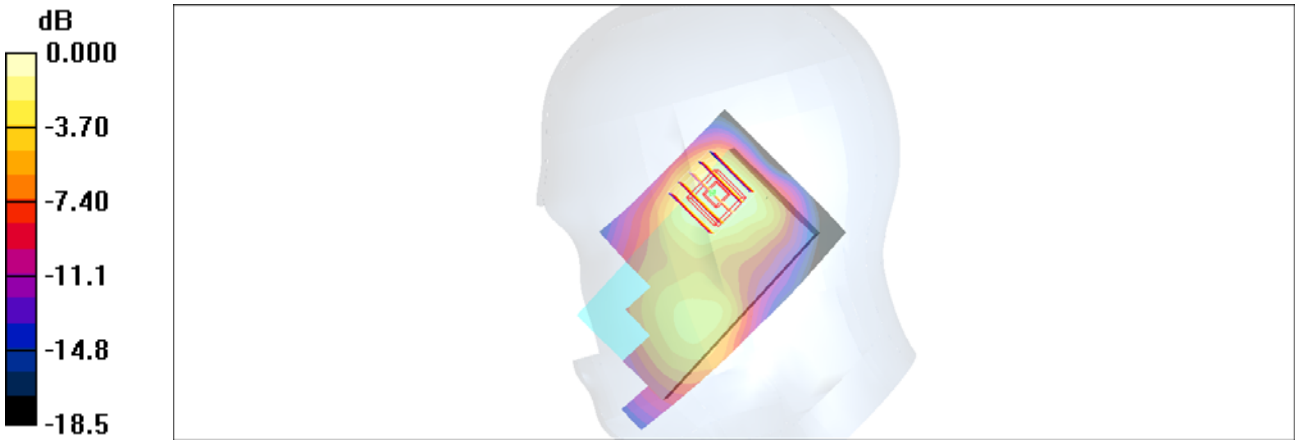
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.318 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.97 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 0.402 W/kg
SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 0.302 mW/g



0 dB = 0.302mW/g

#229 LTE Band4_16QAM(1-74)_Right Tilted_Ch20175_15M

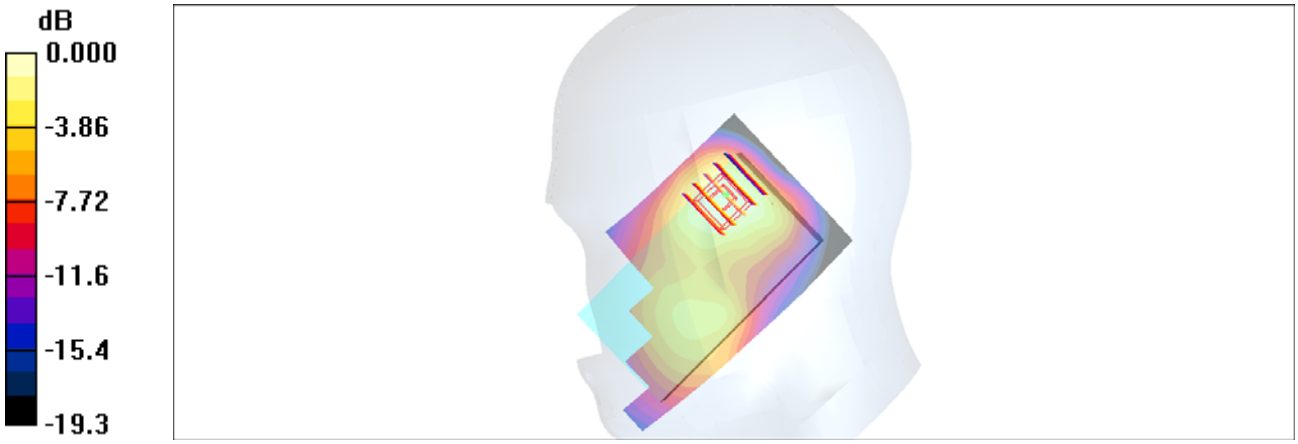
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.314 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.92 V/m; Power Drift = 0.087 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.174 mW/g
Maximum value of SAR (measured) = 0.293 mW/g



0 dB = 0.293mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#230 LTE Band4_QPSK(36-18)_Left Cheek_Ch20175_15M

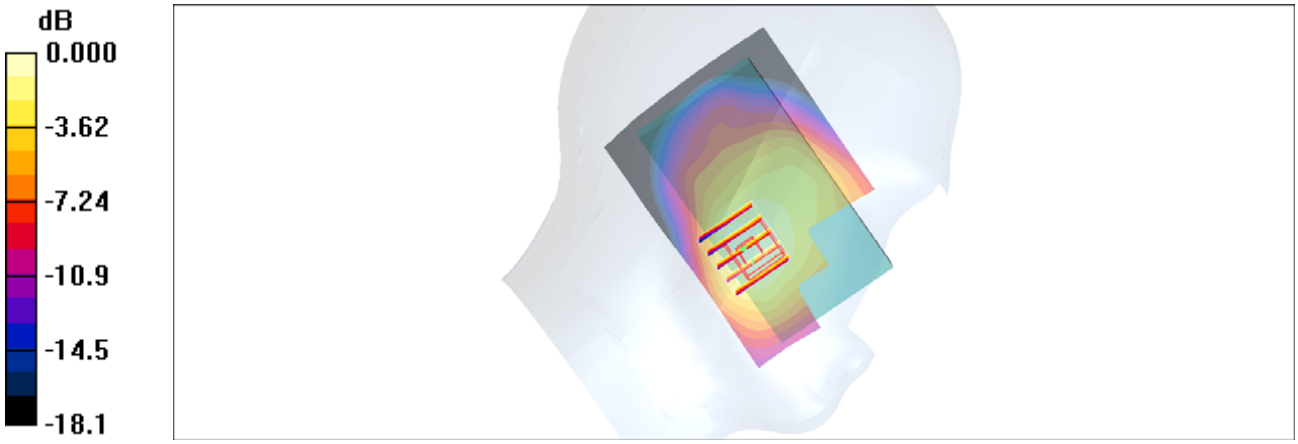
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.528 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.30 V/m; Power Drift = -0.052 dB
Peak SAR (extrapolated) = 0.739 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.316 mW/g
Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.525mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#231 LTE Band4_QPSK(1-0)_Left Cheek_Ch20175_15M

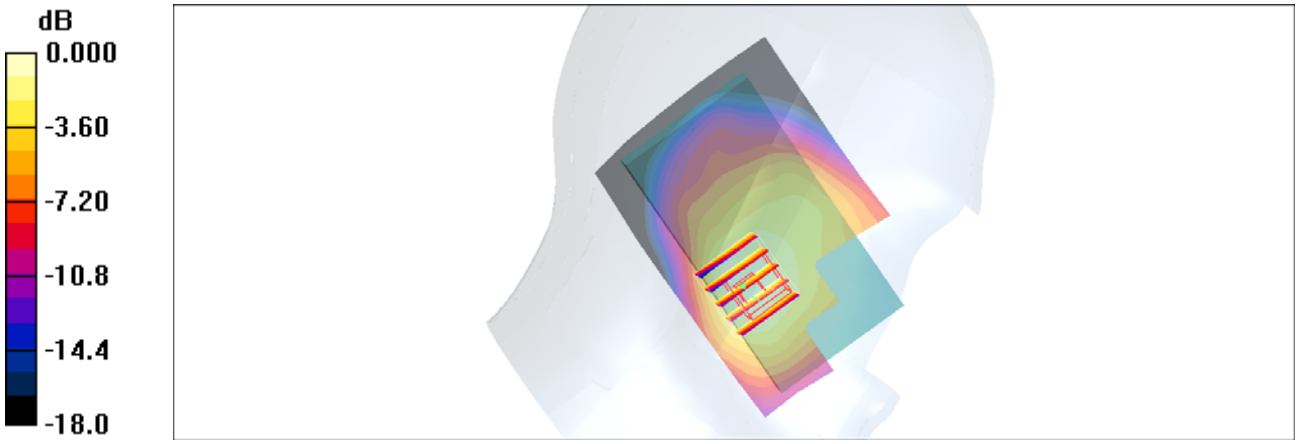
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.561 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.16 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 0.784 W/kg
SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.339 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



0 dB = 0.561mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#232 LTE Band4_QPSK(1-74)_Left Cheek_Ch20175_15M

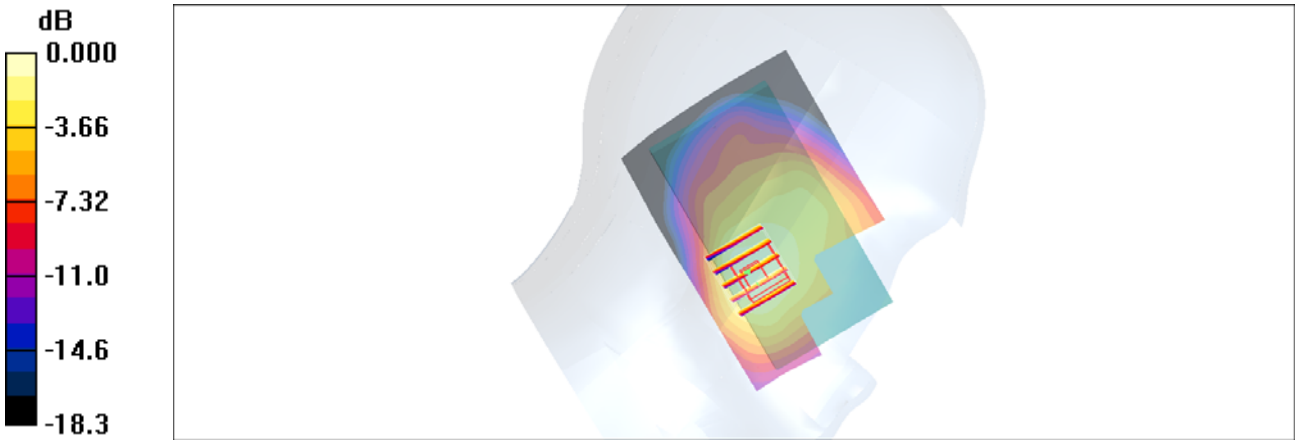
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.539 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.40 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.763 W/kg
SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.543 mW/g



0 dB = 0.543mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#233 LTE Band4_16QAM(36-18)_Left Cheek_Ch20175_15M

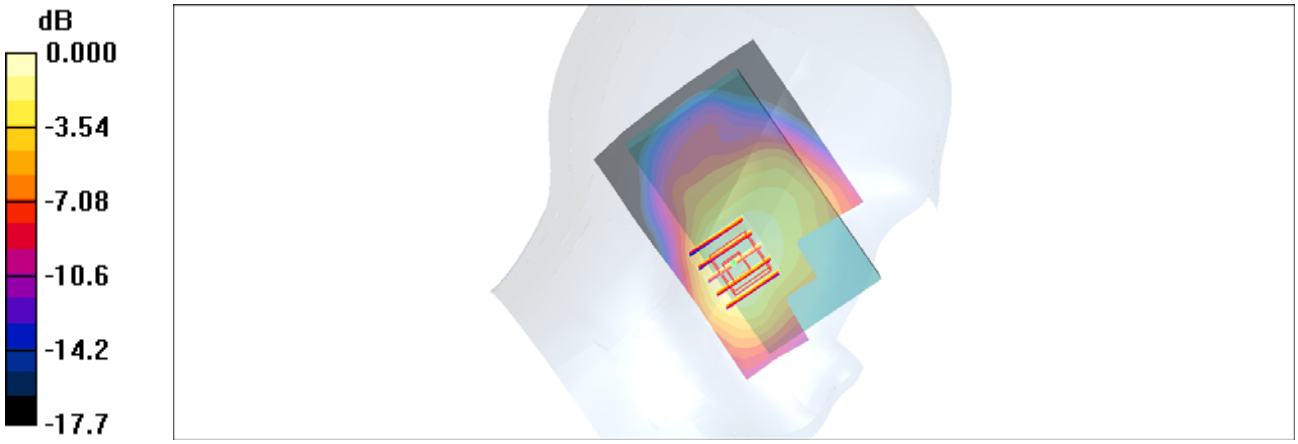
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.598 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.47 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 0.798 W/kg
SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.350 mW/g
Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.573mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#234 LTE Band4_16QAM(1-0)_Left Cheek_Ch20175_15M

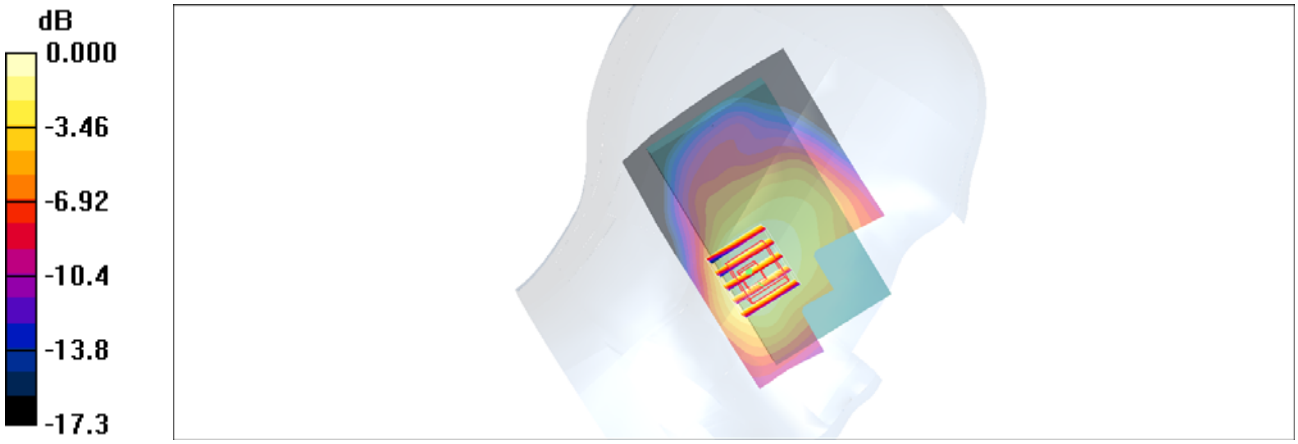
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.603 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.36 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.357 mW/g
Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.573mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#234 LTE Band4_16QAM(1-0)_Left Cheek_Ch20175_15M_2D

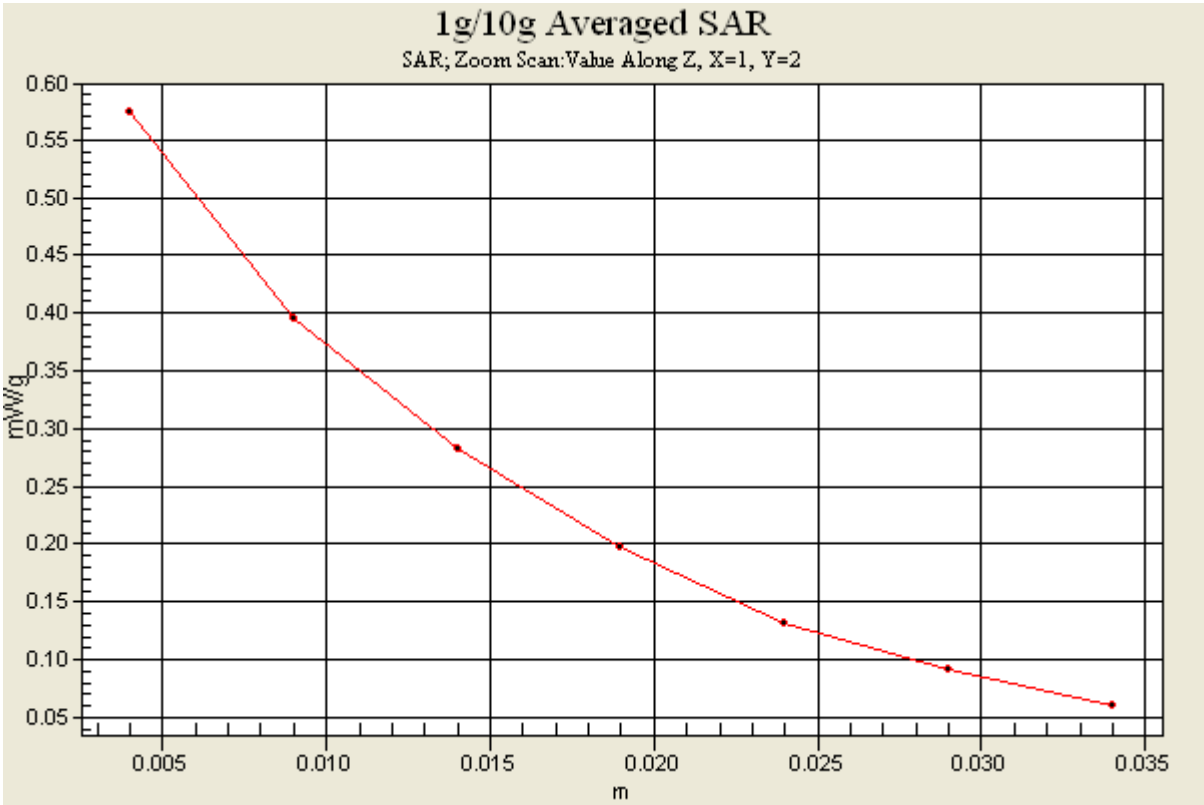
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.603 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.36 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.800 W/kg
SAR(1 g) = 0.545 mW/g; SAR(10 g) = 0.357 mW/g.
Maximum value of SAR (measured) = 0.573 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#235 LTE Band4_16QAM(1-74)_Left Cheek_Ch20175_15M

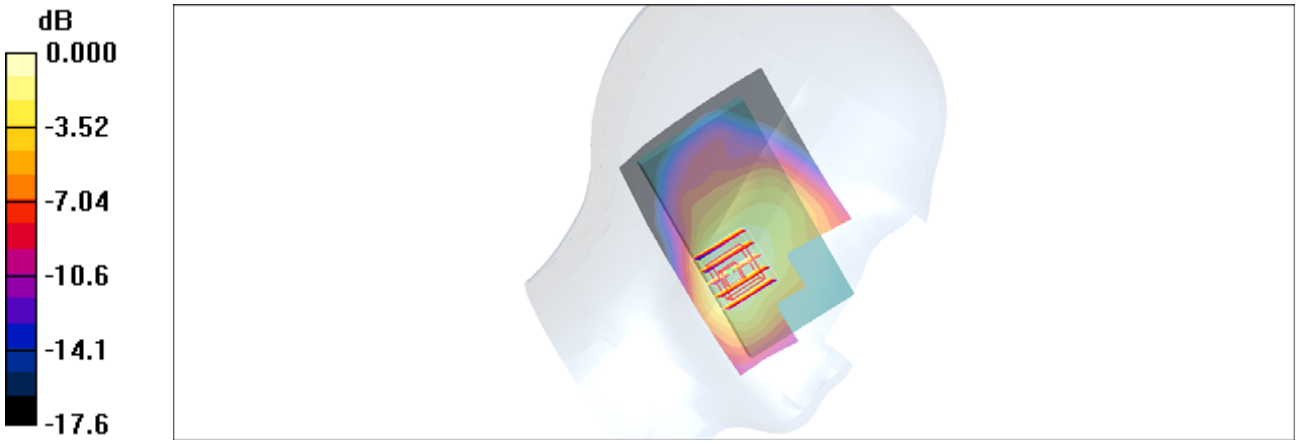
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.587 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.65 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.792 W/kg
SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.344 mW/g
Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.563mW/g

#236 LTE Band4_QPSK(36-18)_Left Tilted_Ch20175_15M

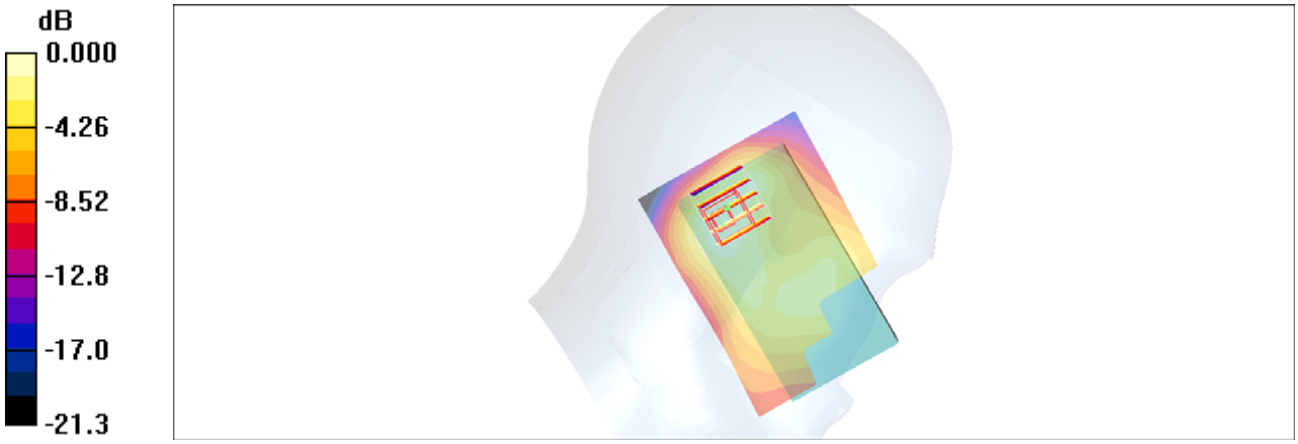
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.166 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.73 V/m; Power Drift = -0.053 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.097 mW/g
Maximum value of SAR (measured) = 0.163 mW/g



0 dB = 0.163mW/g

#237 LTE Band4_QPSK(1-0)_Left Tilted_Ch20175_15M

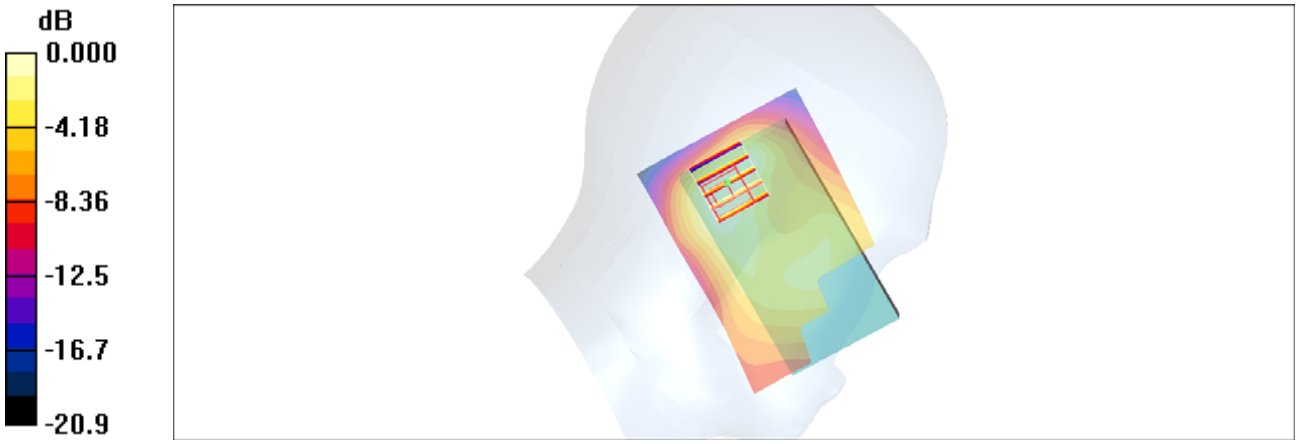
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.80 V/m; Power Drift = 0.193 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.175 mW/g



0 dB = 0.175mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#237 LTE Band4_QPSK(1-0)_Left Tilted_Ch20175_15M_2D

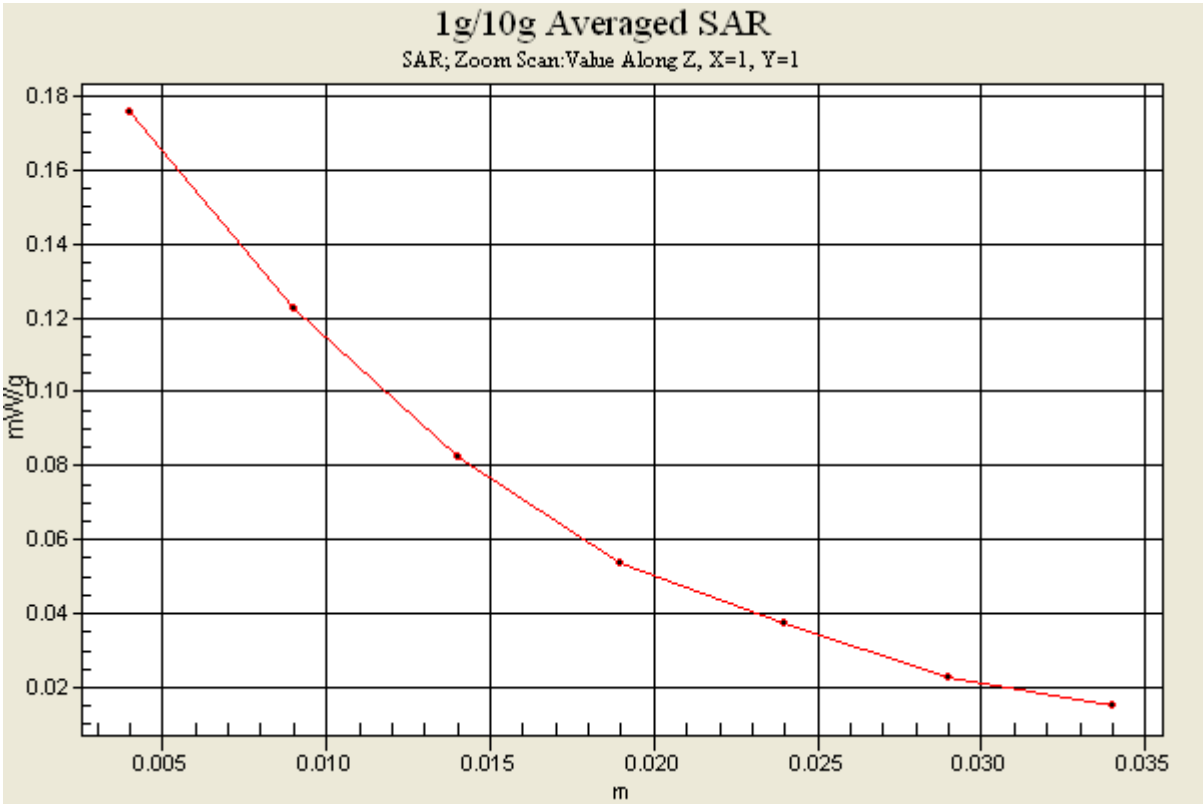
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.188 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.80 V/m; Power Drift = 0.193 dB
Peak SAR (extrapolated) = 0.250 W/kg
SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.175 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#238 LTE Band4_QPSK(1-74)_Left Tilted_Ch20175_15M

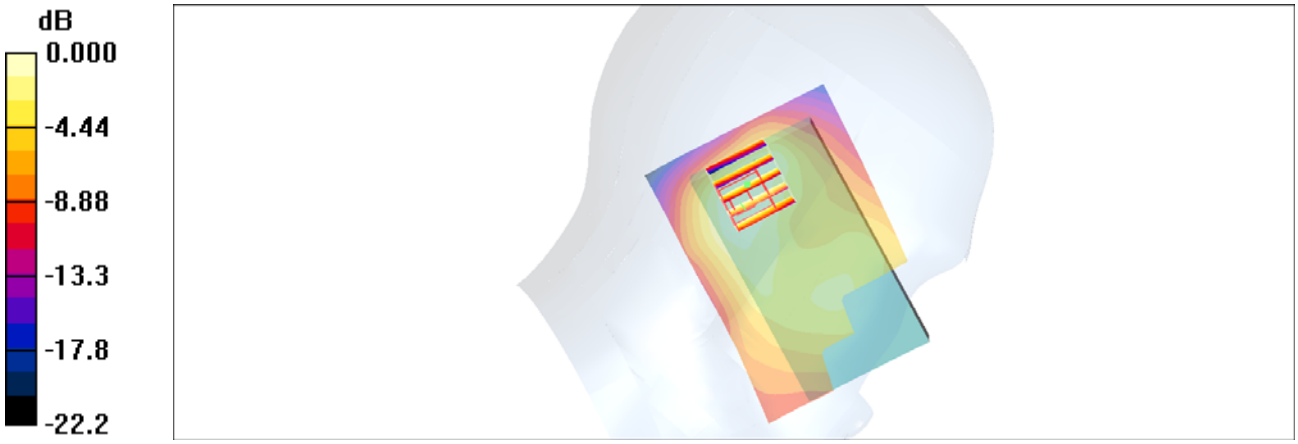
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.177 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.47 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 0.247 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.103 mW/g
Maximum value of SAR (measured) = 0.173 mW/g



0 dB = 0.173mW/g

#239 LTE Band4_16QAM(36-18)_Left Tilted_Ch20175_15M

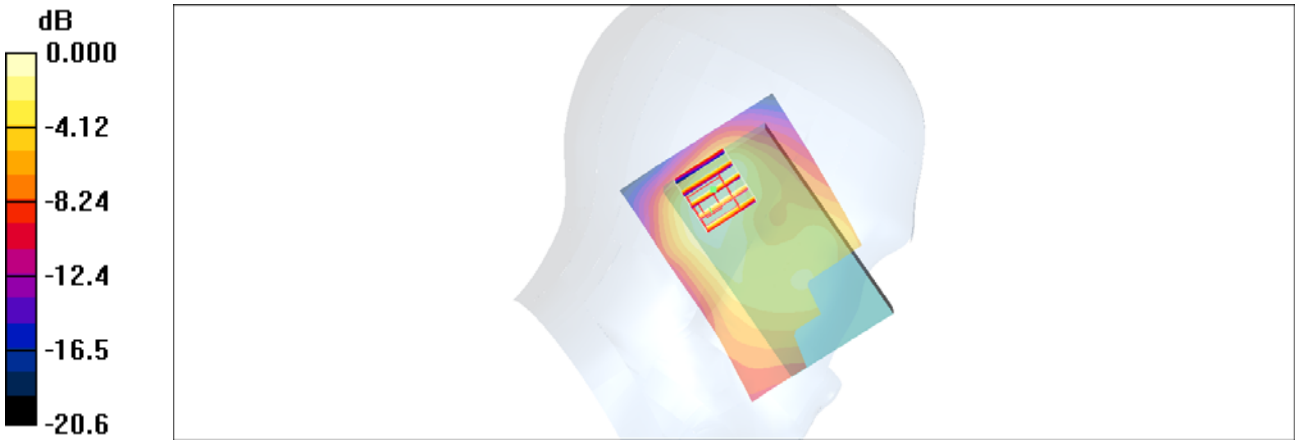
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.161 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.83 V/m; Power Drift = 0.104 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.158 mW/g



0 dB = 0.158mW/g

#240 LTE Band4_16QAM(1-0)_Left Tilted_Ch20175_15M

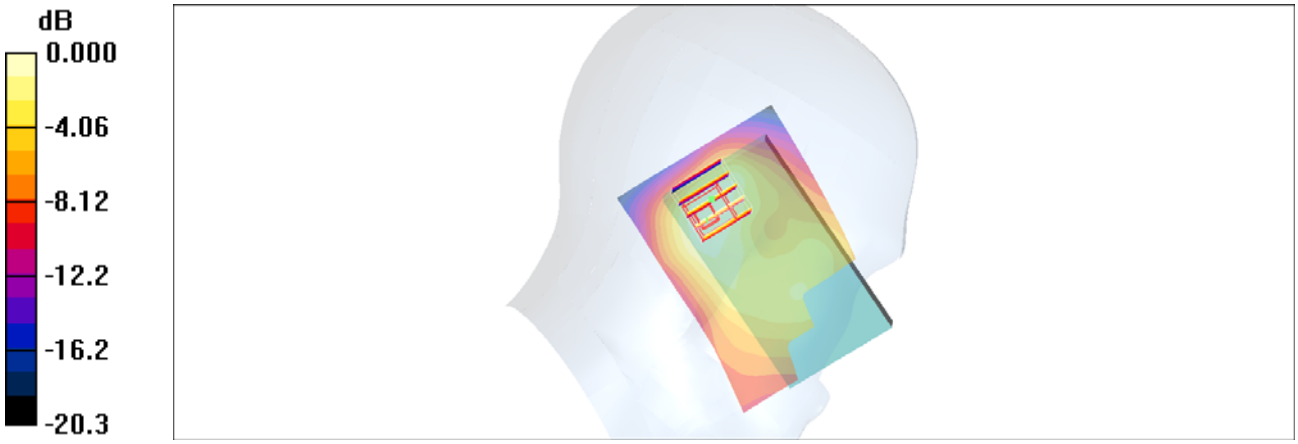
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.160 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.77 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.095 mW/g
Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.161mW/g

#241 LTE Band4_16QAM(1-74)_Left Tilted_Ch20175_15M

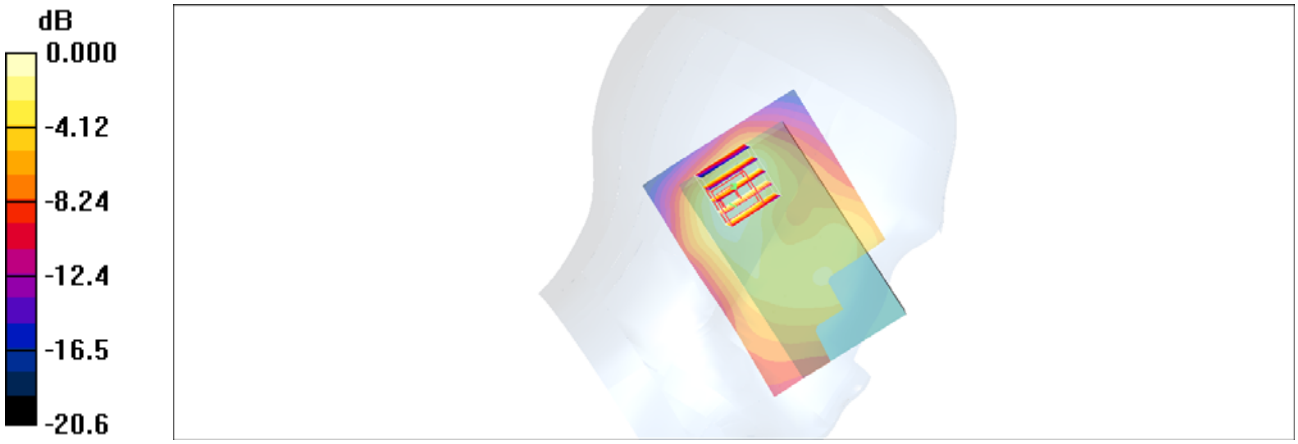
DUT: 172733

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.38 mho/m; ε_r = 40.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(8.06, 8.06, 8.06); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Right; Type: QD 000 P40 C; Serial: TP-1383
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.167 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.05 V/m; Power Drift = 0.081 dB
Peak SAR (extrapolated) = 0.233 W/kg
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.096 mW/g
Maximum value of SAR (measured) = 0.162 mW/g



0 dB = 0.162mW/g

#242 LTE Band17_QPSK(1-49)_Left Tilted_Ch23790_10M

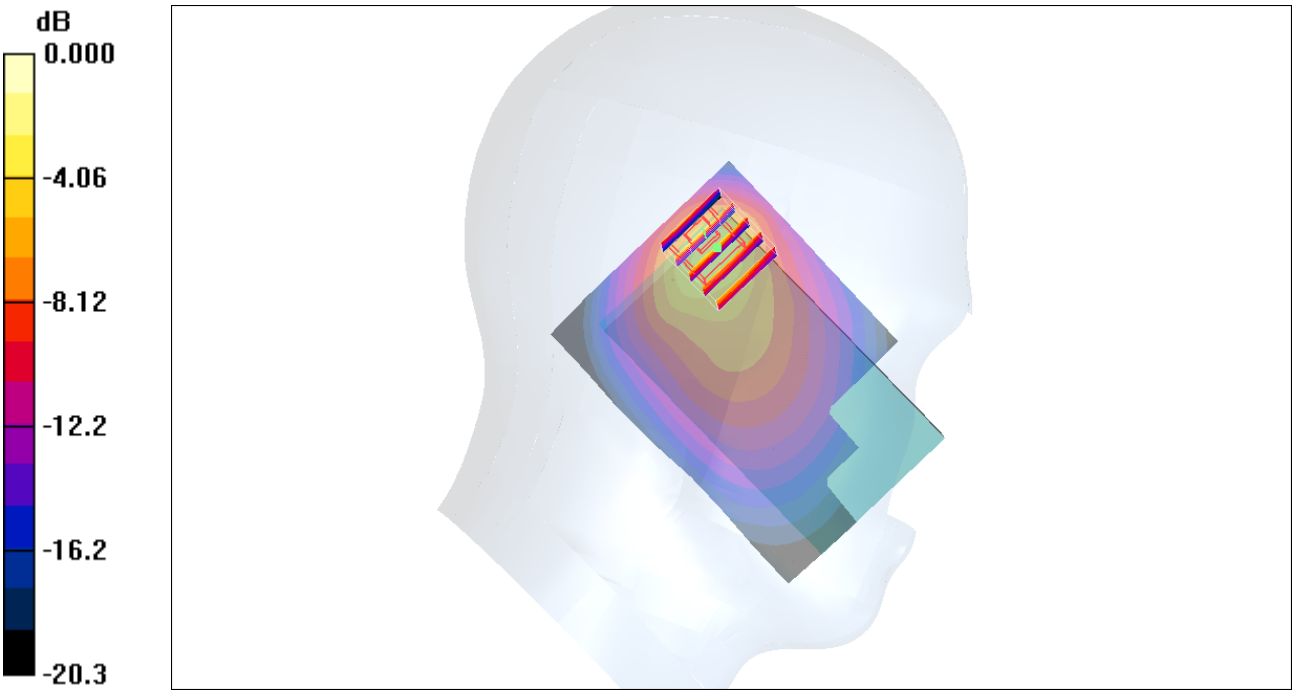
DUT: 172733

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: HSL_750_110808 Medium parameters used: f = 710 MHz; σ = 0.86 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23790/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.482 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = -0.140 dB
Peak SAR (extrapolated) = 2.73 W/kg
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.920 mW/g



0 dB = 0.920mW/g

#242 LTE Band17_QPSK(1-49)_Left Tilted_Ch23790_10M_2D

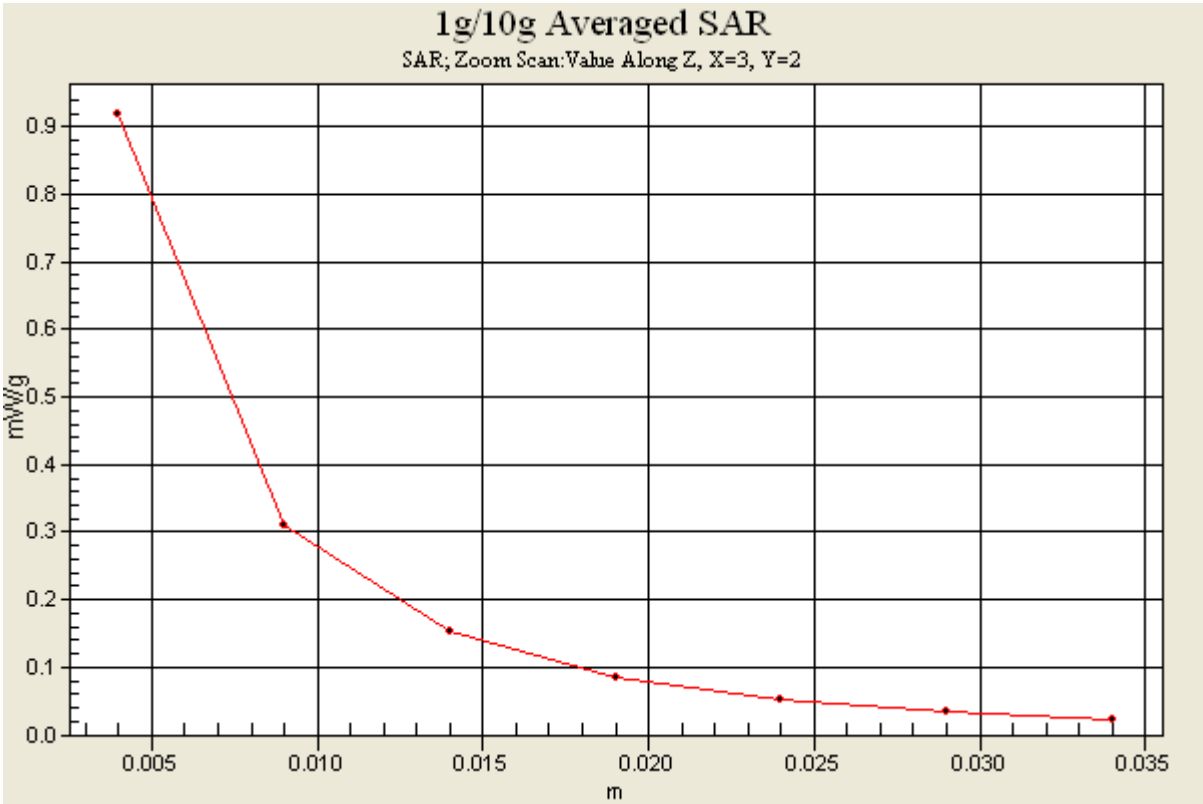
DUT: 172733

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: HSL_750_110808 Medium parameters used: f = 710 MHz; σ = 0.86 mho/m; ε_r = 41.7; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.71, 6.71, 6.71); Calibrated: 2011-05-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010-10-22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23790/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.482 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.7 V/m; Power Drift = -0.140 dB
Peak SAR (extrapolated) = 2.73 W/kg
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.282 mW/g
Maximum value of SAR (measured) = 0.920 mW/g



#283 802.11b_Right Tilted_Ch11

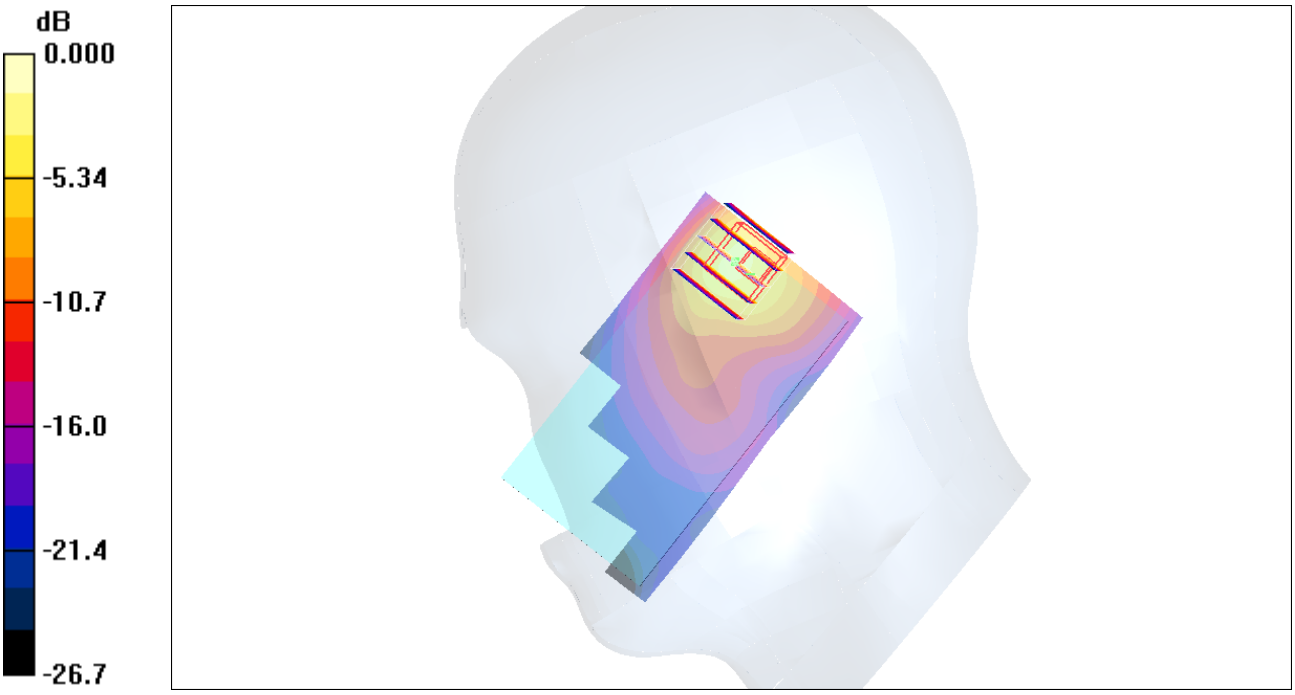
DUT: 172733

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_110809 Medium parameters used: f = 2462 MHz; σ = 1.85 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.41, 4.41, 4.41); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch2462/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.444 mW/g

Ch2462/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.9 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.837 mW/g



0 dB = 0.837mW/g

#283 802.11b_Right Tilted_Ch11_2D

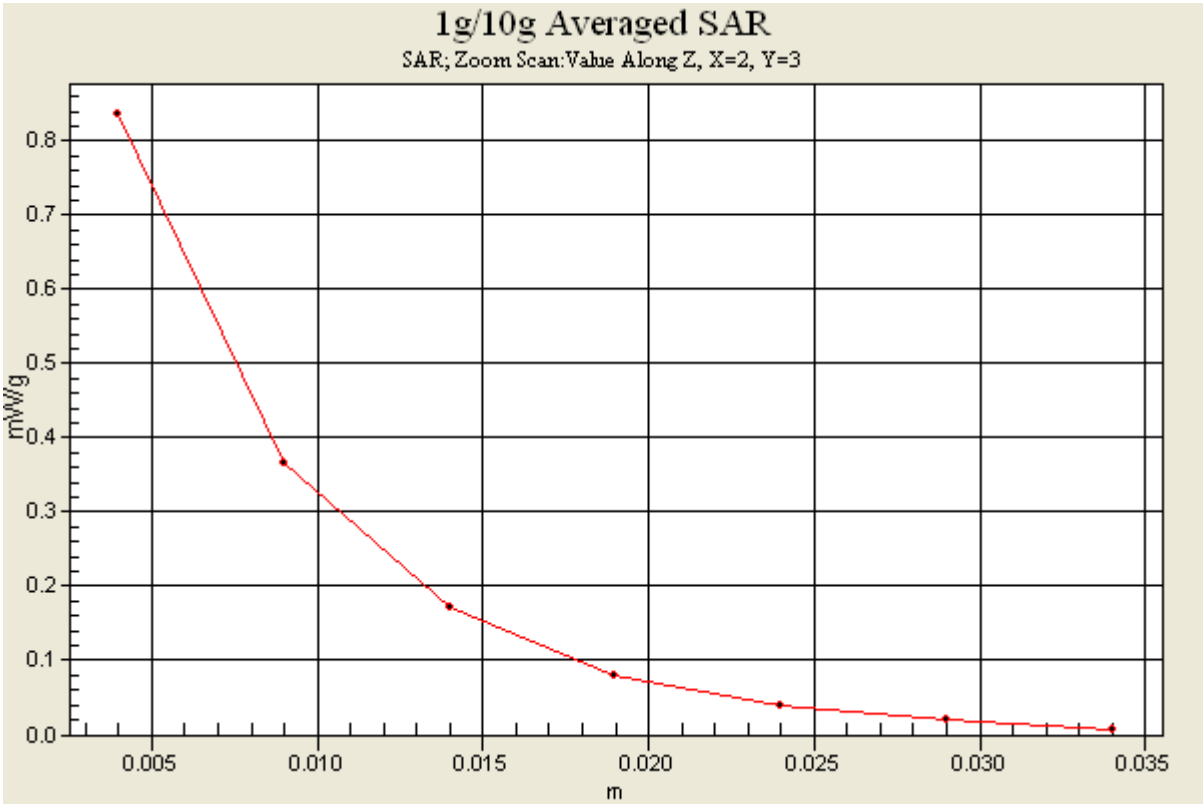
DUT: 172733

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: HSL_2450_110809 Medium parameters used: f = 2462 MHz; σ = 1.85 mho/m; ε_r = 39.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.41, 4.41, 4.41); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Left; Type: SAM; Serial: TP-1150
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch2462/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.444 mW/g

Ch2462/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.9 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 2.34 W/kg
SAR(1 g) = 0.727 mW/g; SAR(10 g) = 0.293 mW/g
Maximum value of SAR (measured) = 0.837 mW/g



#207 GSM850_GPRS10_Rear Face_1cm_Ch189

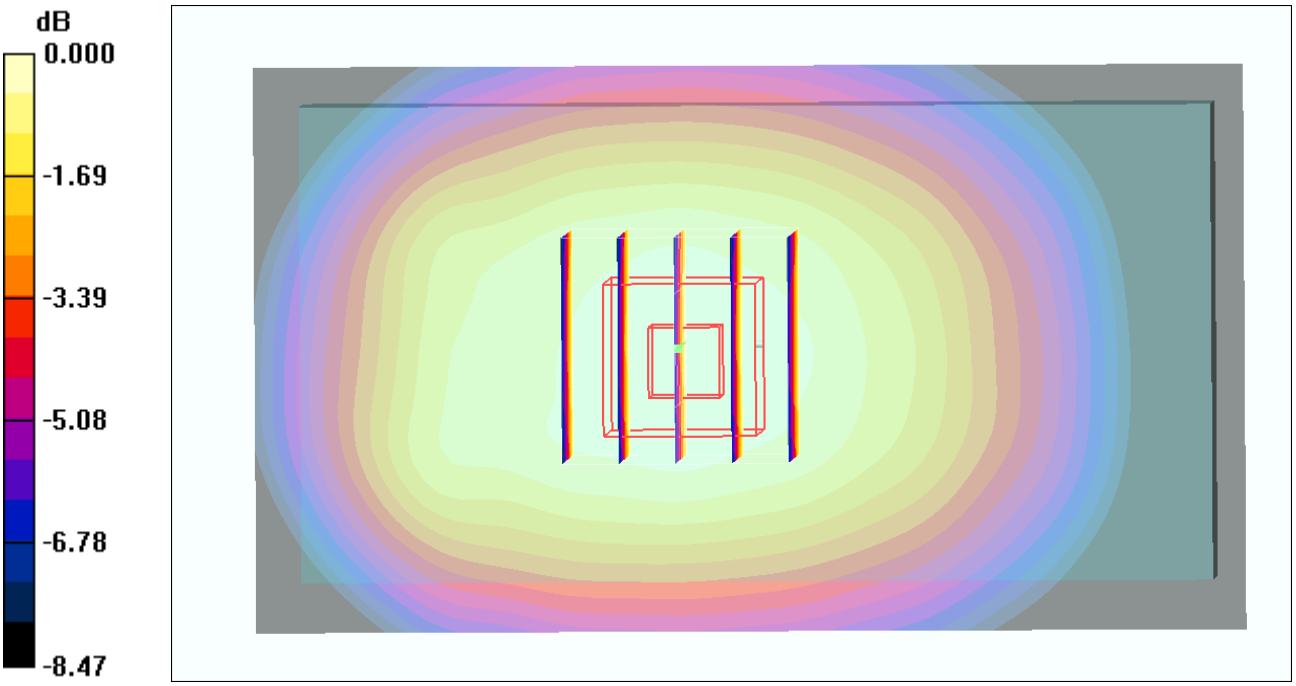
DUT: 172733

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_850_110807 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.579 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.1 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.425 mW/g
Maximum value of SAR (measured) = 0.589 mW/g



0 dB = 0.589mW/g

#207 GSM850_GPRS10_Rear Face_1cm_Ch189_2D

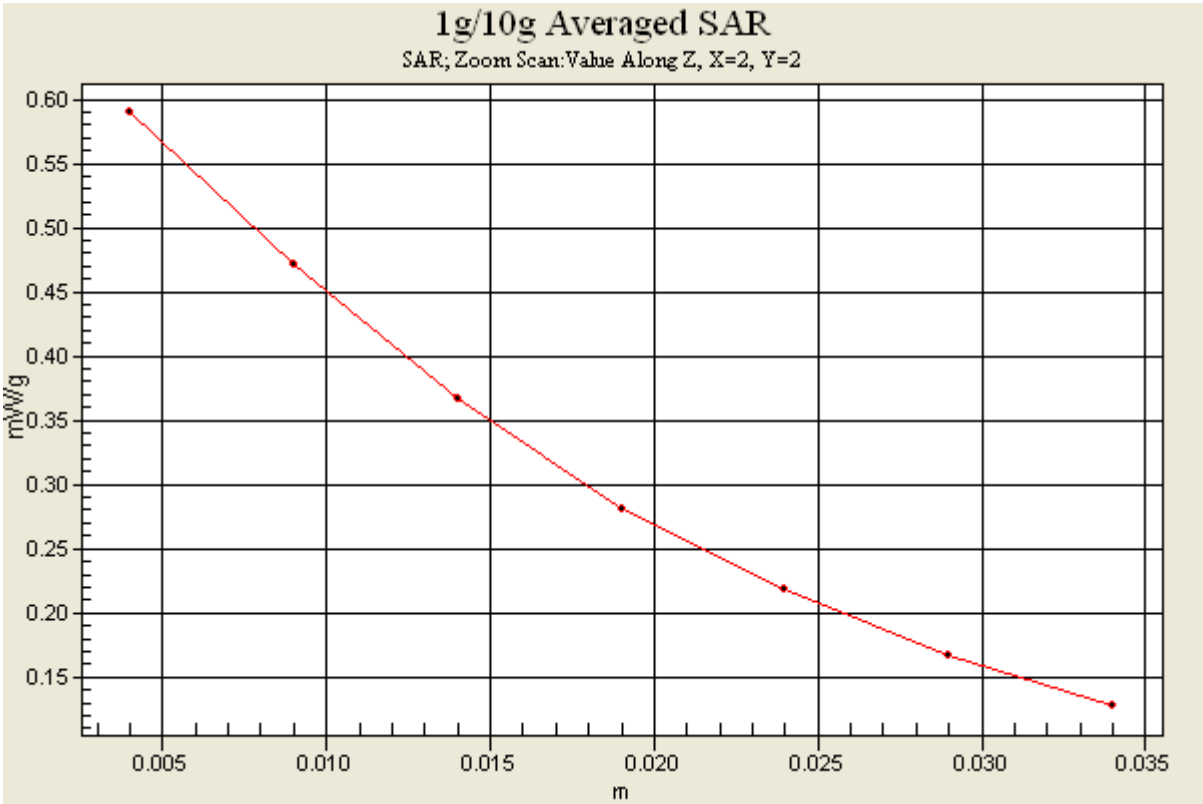
DUT: 172733

Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_850_110807 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.579 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.1 V/m; Power Drift = 0.002 dB
Peak SAR (extrapolated) = 0.673 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.425 mW/g
Maximum value of SAR (measured) = 0.589 mW/g



#208 GSM850_GPRS10_Rear Face_1cm_Ch189_Earphone

DUT: 172733

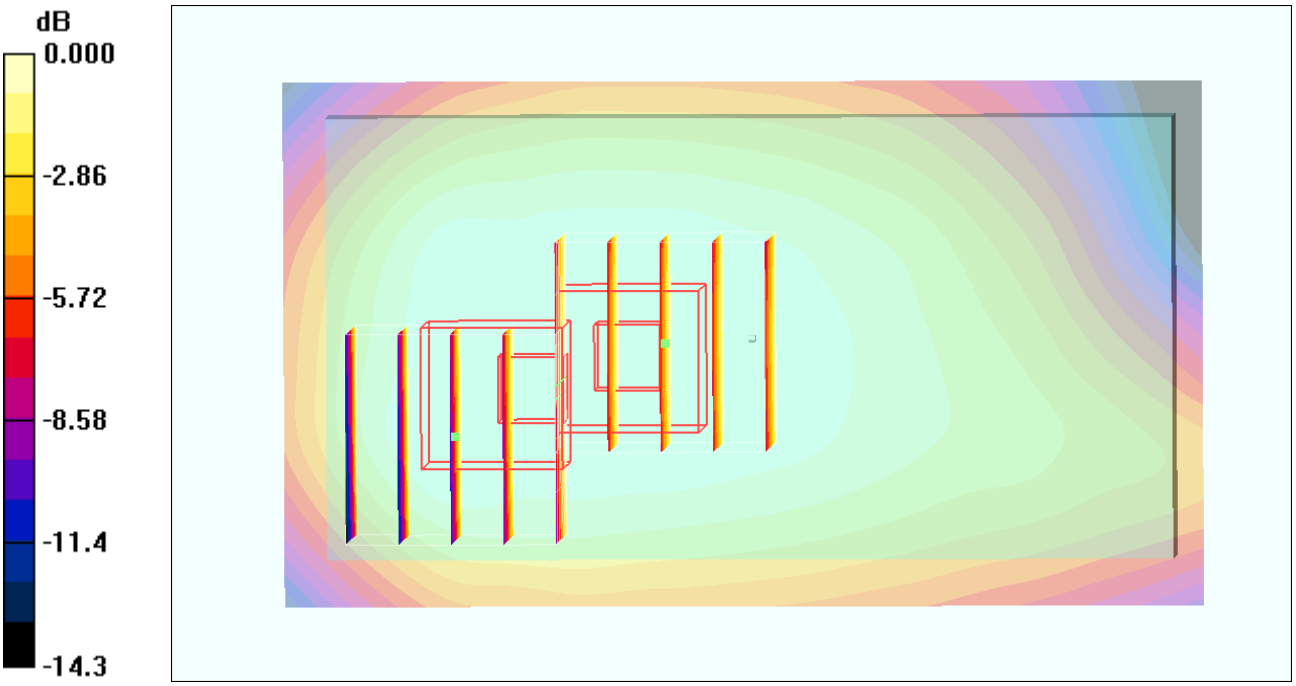
Communication System: GSM850; Frequency: 836.4 MHz;Duty Cycle: 1:4
Medium: MSL_850_110807 Medium parameters used: f = 836.4 MHz; σ = 0.979 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch189/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.282 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.188 mW/g
Maximum value of SAR (measured) = 0.259 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.379 W/kg
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.172 mW/g
Maximum value of SAR (measured) = 0.256 mW/g



0 dB = 0.256mW/g

#209 GSM1900_GPRS 10_Front_1cm_Ch810

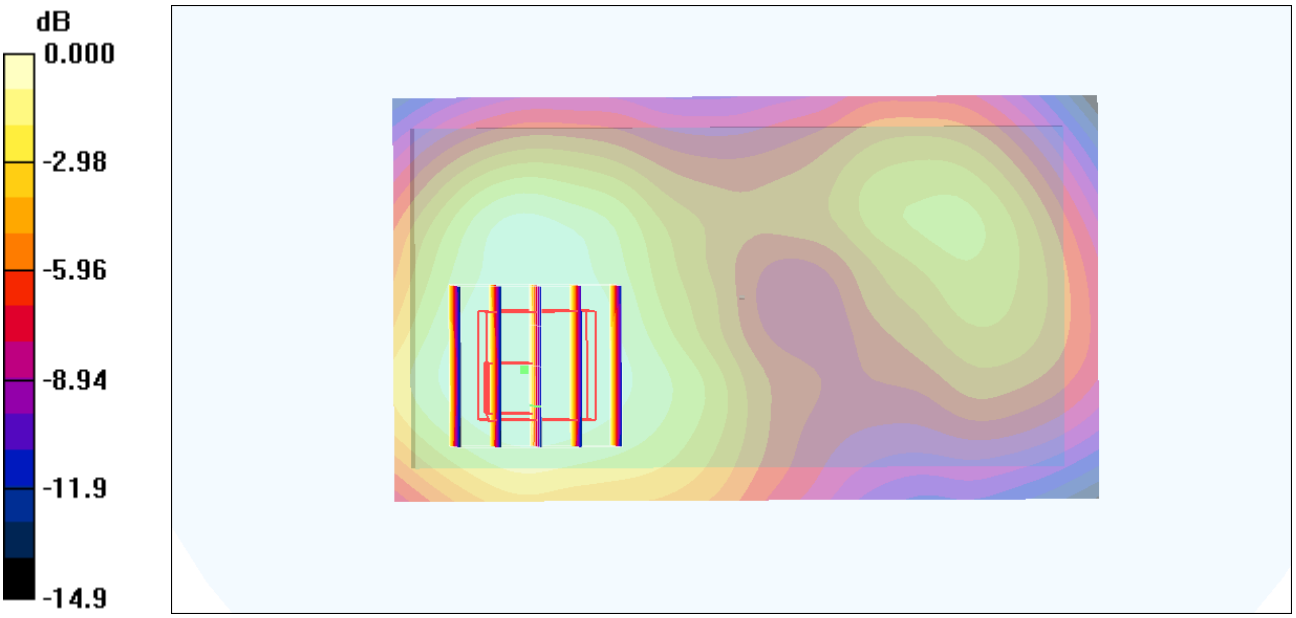
DUT: 172733

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_110807 Medium parameters used: f = 1910 MHz; σ = 1.55 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.732 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 0.939 W/kg
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.382 mW/g
Maximum value of SAR (measured) = 0.627 mW/g



0 dB = 0.627mW/g

#210 GSM1900_GPRS 10_Front_1cm_Ch810_Earphone

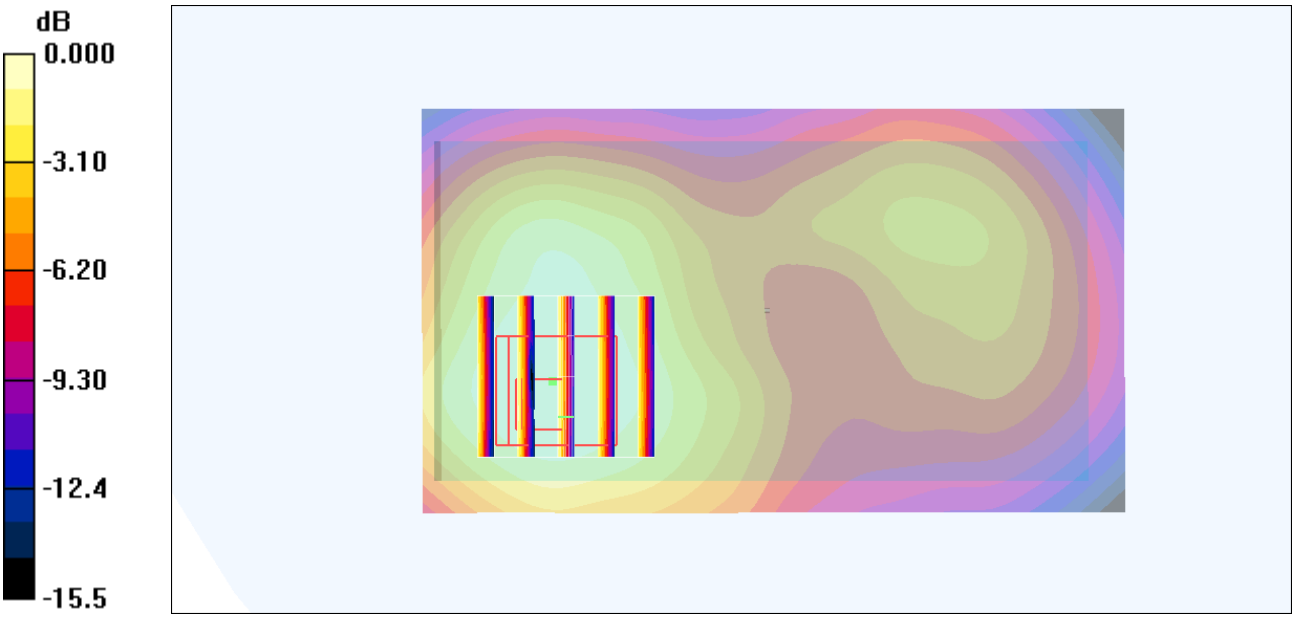
DUT: 172733

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_110807 Medium parameters used: f = 1910 MHz; σ = 1.55 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.737 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.073 dB
Peak SAR (extrapolated) = 0.985 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.660 mW/g



0 dB = 0.660mW/g

#210 GSM1900_GPRS 10_Front_1cm_Ch810_Earphone_2D

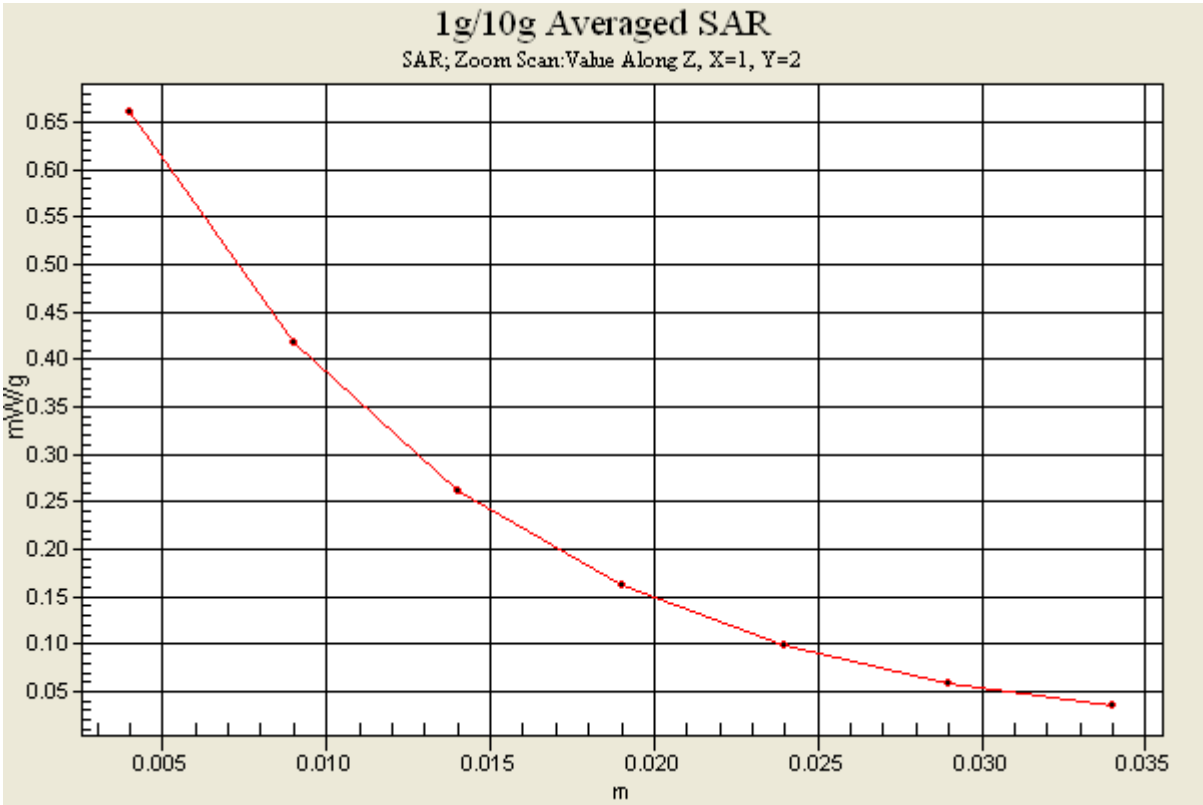
DUT: 172733

Communication System: PCS; Frequency: 1909.8 MHz;Duty Cycle: 1:4
Medium: MSL_1900_110807 Medium parameters used: f = 1910 MHz; σ = 1.55 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/05/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM_Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch810/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.737 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.0 V/m; Power Drift = -0.073 dB
Peak SAR (extrapolated) = 0.985 W/kg
SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.394 mW/g
Maximum value of SAR (measured) = 0.660 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#211 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132

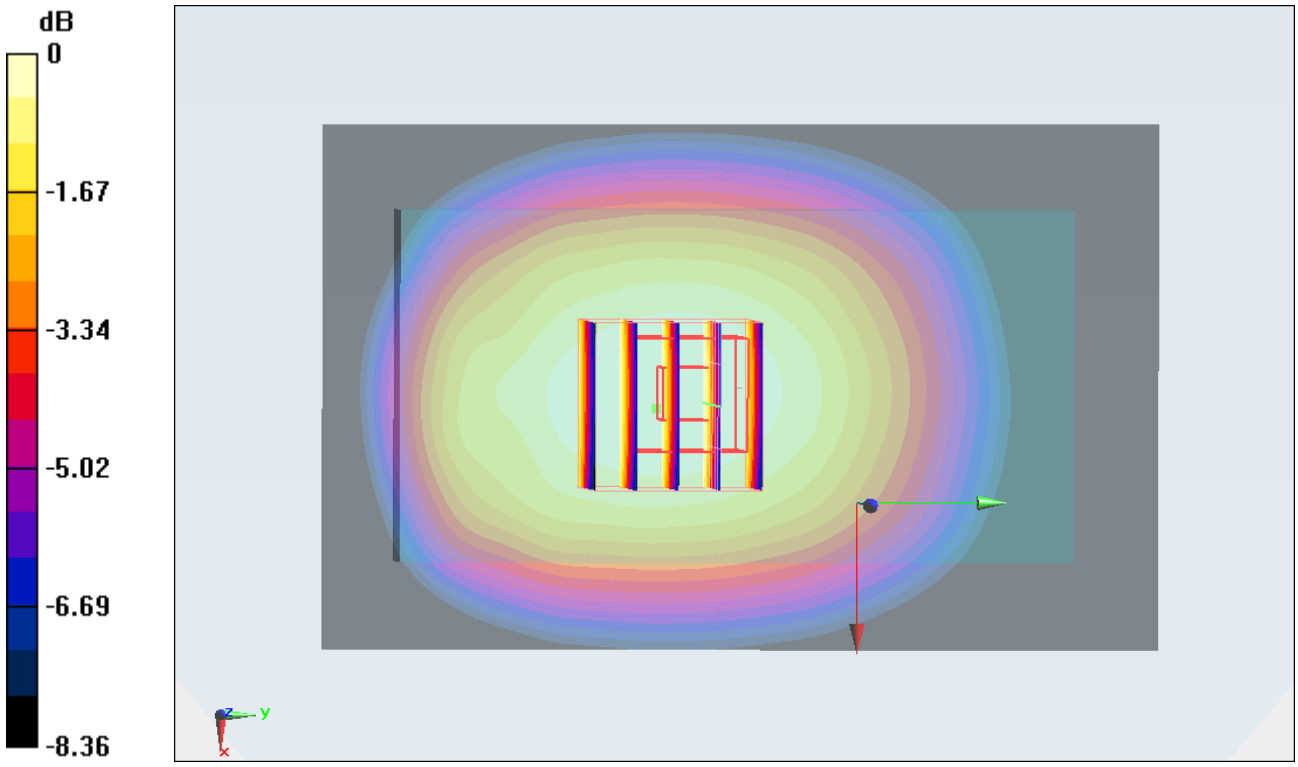
DUT: 172733

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_110809 Medium parameters used: f = 826.4 MHz; σ = 0.986 mho/m; ε_r = 56.252; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.561 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.375 V/m; Power Drift = -0.120 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.550mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#211 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132_2D

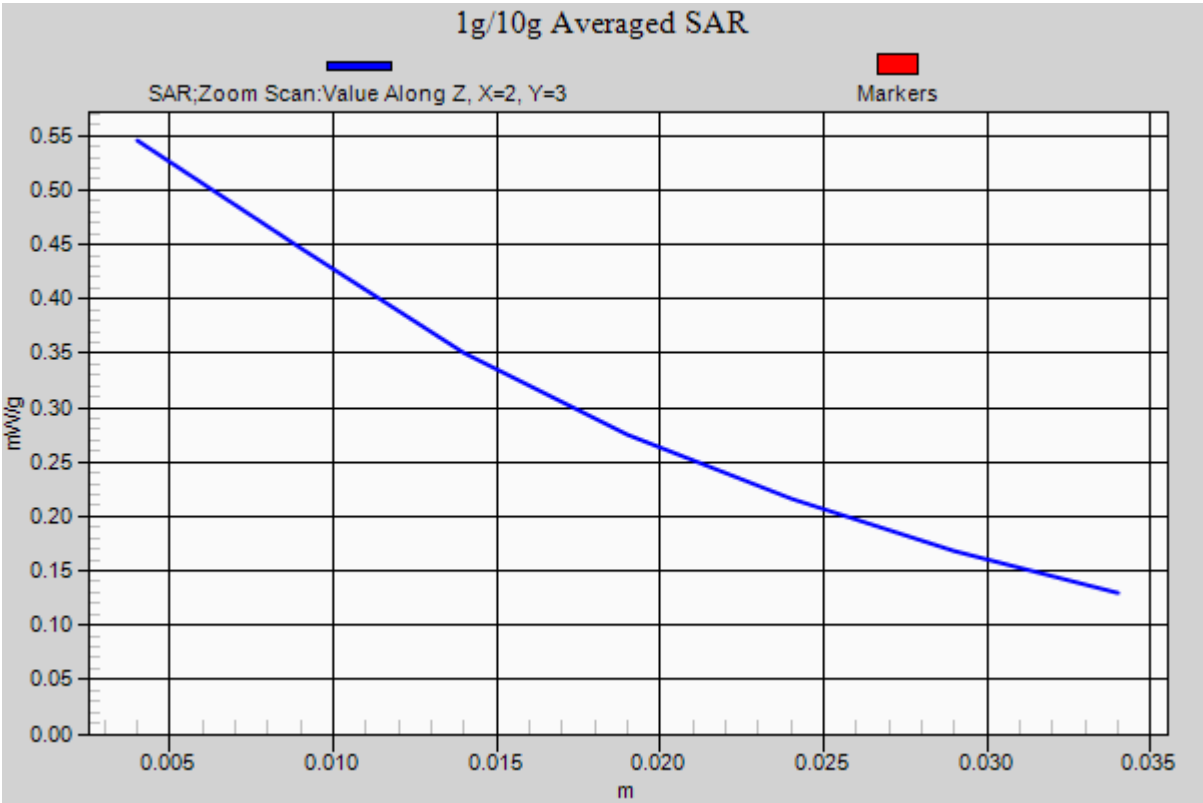
DUT: 172733

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_110809 Medium parameters used: f = 826.4 MHz; σ = 0.986 mho/m; ε_r = 56.252; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.561 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.375 V/m; Power Drift = -0.120 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.404 mW/g
Maximum value of SAR (measured) = 0.545 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#212 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4132_Earphone

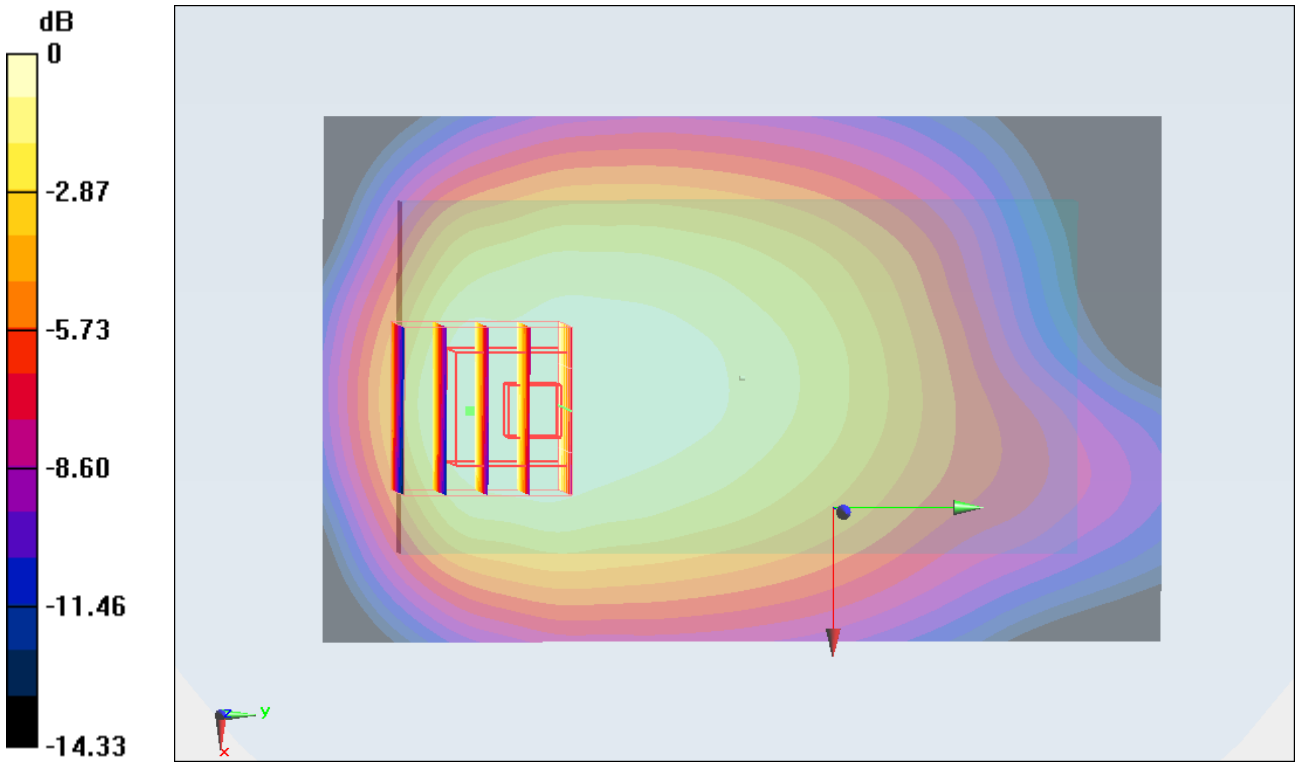
DUT: 172733

Communication System: WCDMA; Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_850_110809 Medium parameters used: f = 826.4 MHz; σ = 0.986 mho/m; ε_r = 56.252; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.7 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.338 mW/g

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.672 V/m; Power Drift = 0.122 dB
Peak SAR (extrapolated) = 0.457 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.216 mW/g
Maximum value of SAR (measured) = 0.329 mW/g



0 dB = 0.330mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#213 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400

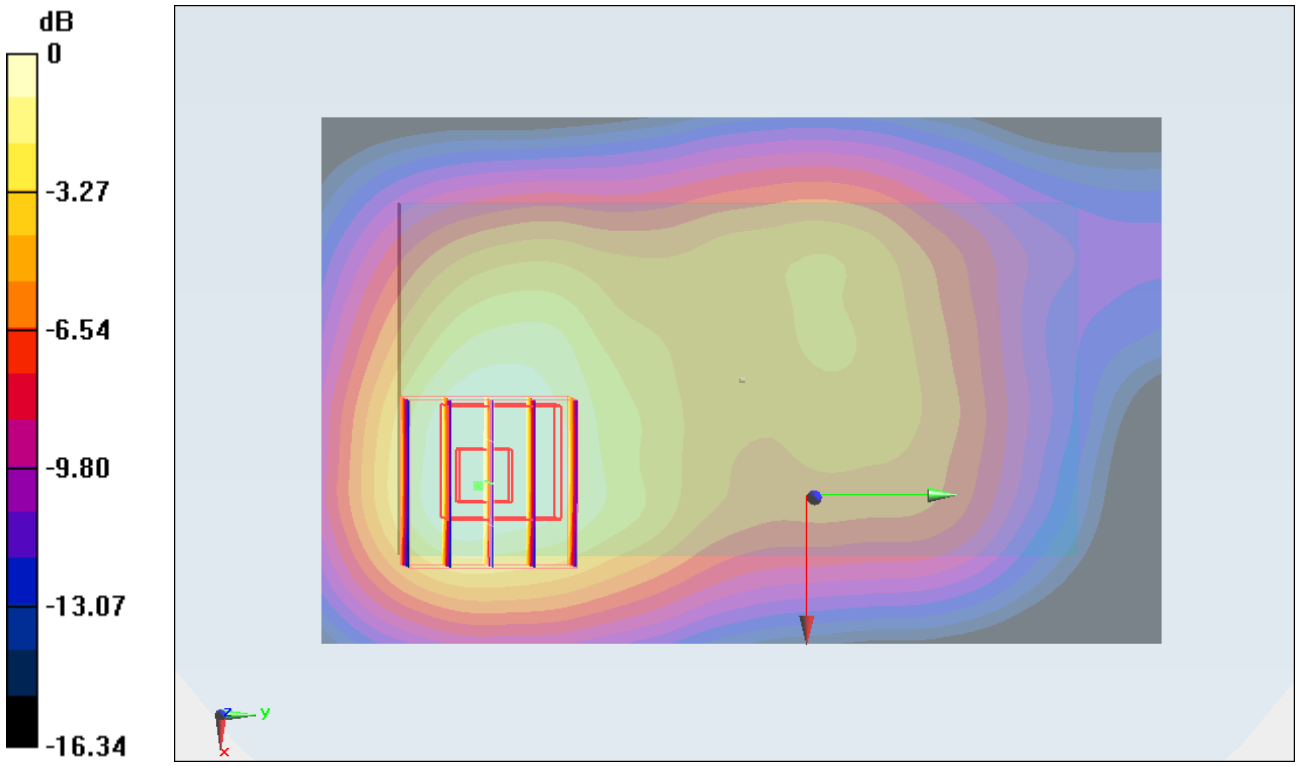
DUT: 172733

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110809 Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 55.074; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.066 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.221 V/m; Power Drift = 0.0038 dB
Peak SAR (extrapolated) = 1.352 W/kg
SAR(1 g) = 0.880 mW/g; SAR(10 g) = 0.554 mW/g
Maximum value of SAR (measured) = 0.951 mW/g



0 dB = 0.950mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#214 WCDMA II_RMC12.2K_Front Face_1cm_Ch9262

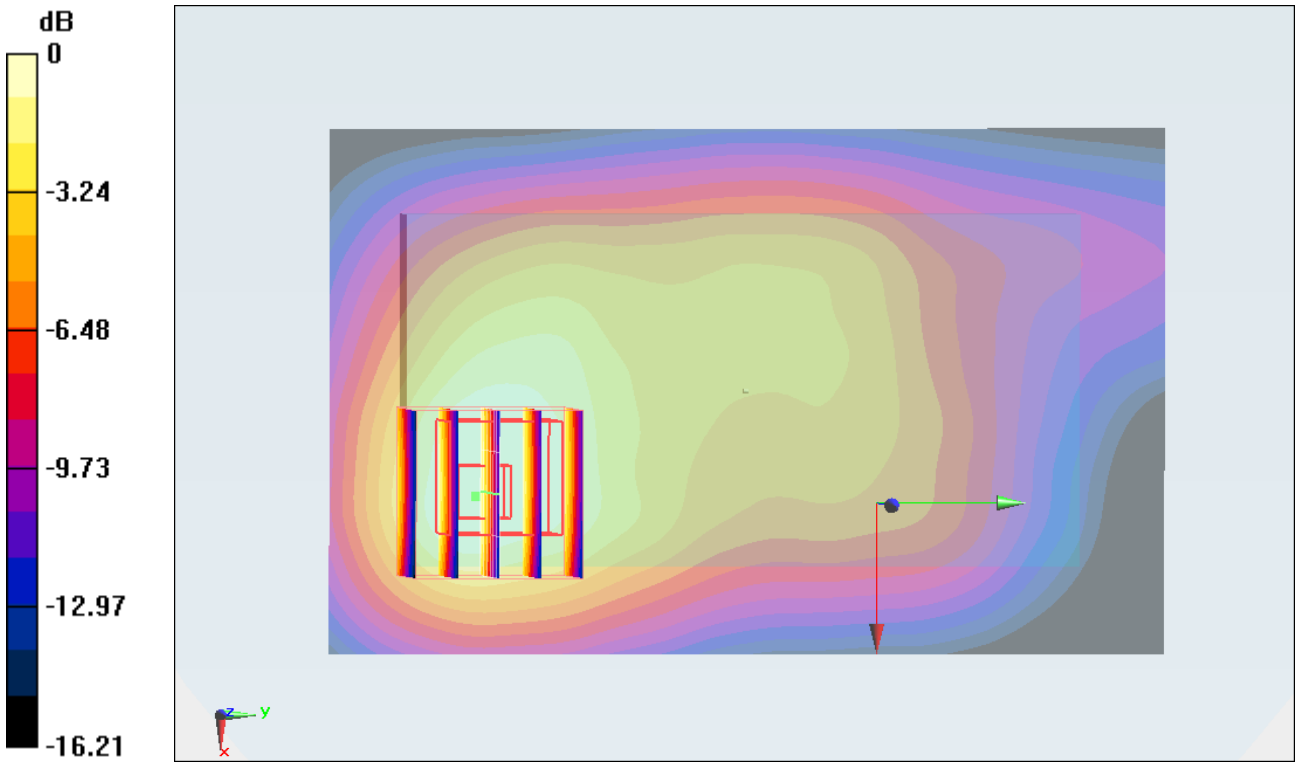
DUT: 172733

Communication System: WCDMA; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110809 Medium parameters used: f = 1852.4 MHz; σ = 1.46 mho/m; ε_r = 55.182; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.022 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.313 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.295 W/kg
SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.527 mW/g
Maximum value of SAR (measured) = 0.911 mW/g



0 dB = 0.910mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#215 WCDMA II_RMC12.2K_Front Face_1cm_Ch9538

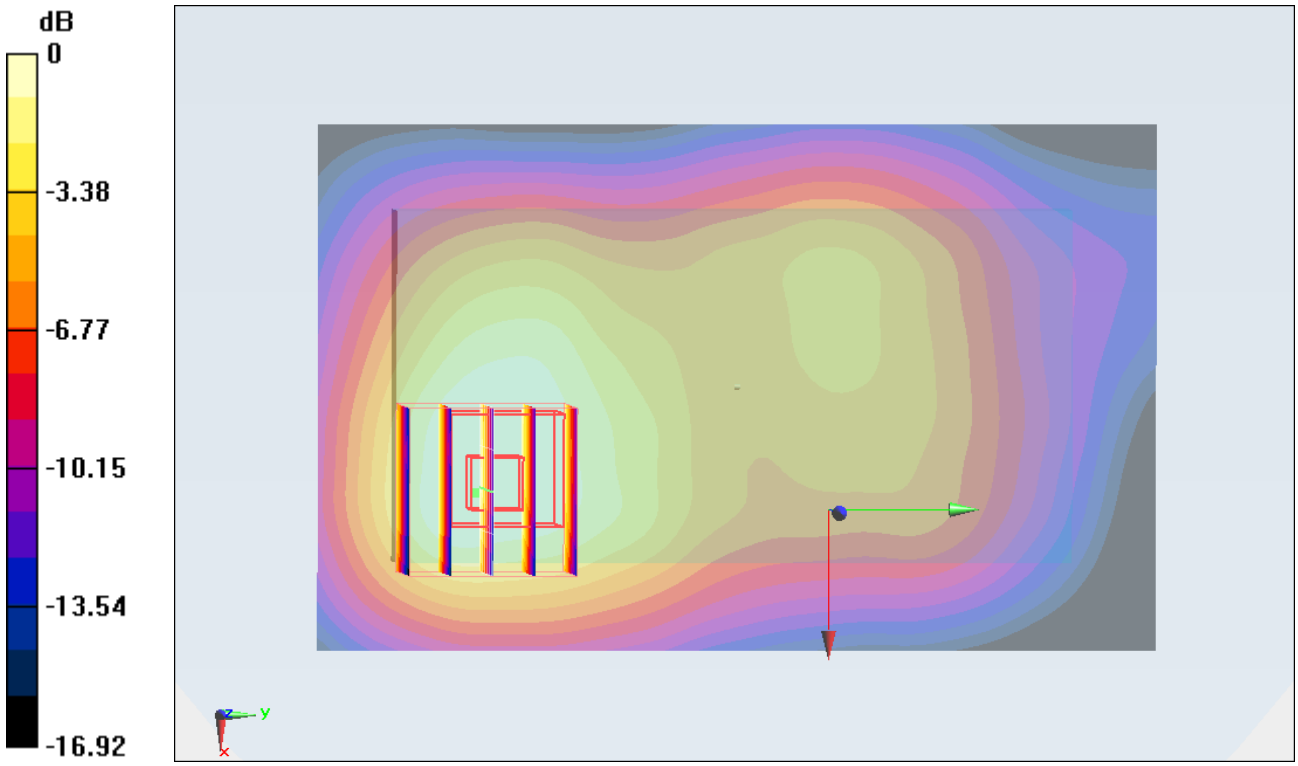
DUT: 172733

Communication System: WCDMA; Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110809 Medium parameters used: f = 1908 MHz; σ = 1.525 mho/m; ε_r = 55.047; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.071 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.453 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.419 W/kg
SAR(1 g) = 0.899 mW/g; SAR(10 g) = 0.566 mW/g
Maximum value of SAR (measured) = 0.964 mW/g



0 dB = 0.960mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/9

#216 WCDMA II_RMC12.2K_Front Face_1cm_Ch9400_Earphone

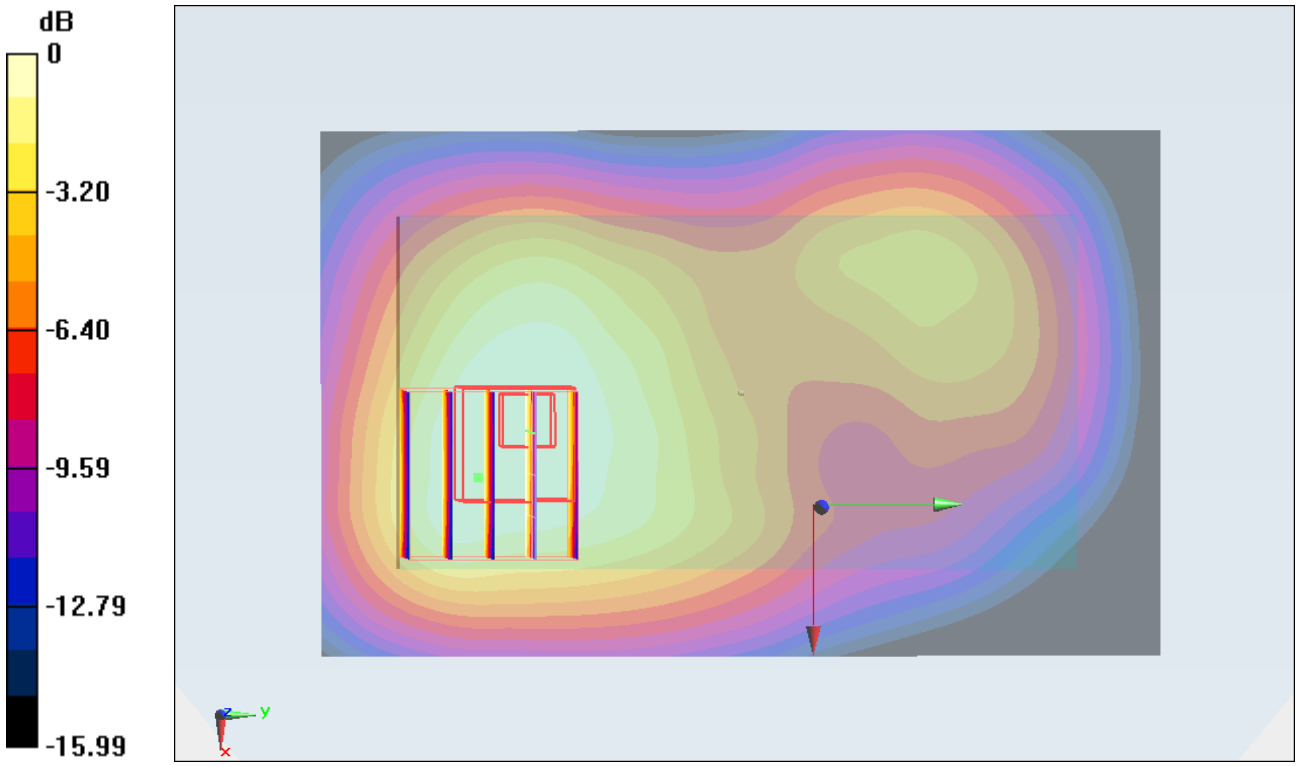
DUT: 172733

Communication System: WCDMA; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_110809 Medium parameters used: f = 1880 MHz; σ = 1.491 mho/m; ε_r = 55.074; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.841 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.101 V/m; Power Drift = 0.133 dB
Peak SAR (extrapolated) = 1.126 W/kg
SAR(1 g) = 0.760 mW/g; SAR(10 g) = 0.491 mW/g
Maximum value of SAR (measured) = 0.817 mW/g



0 dB = 0.820mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

#243 LTE Band 17_QPSK(25-13)_Front Face_1cm_Ch23790_10M

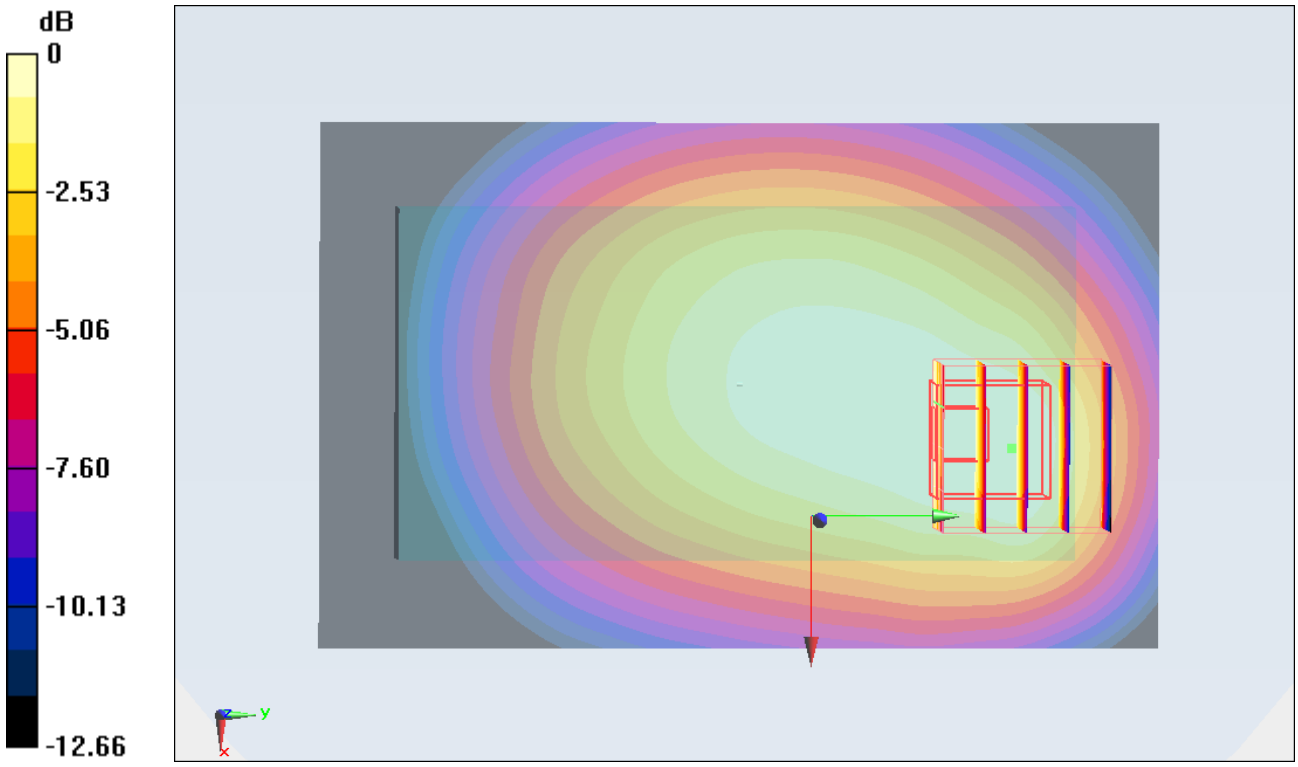
DUT: 172733

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_110808 Medium parameters used: f = 710 MHz; σ = 0.936 mho/m; ε_r = 55.156; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.158 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.187 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.146 mW/g



0 dB = 0.150mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

#243 LTE Band 17_QPSK(25-13)_Front Face_1cm_Ch23790_10M_2D

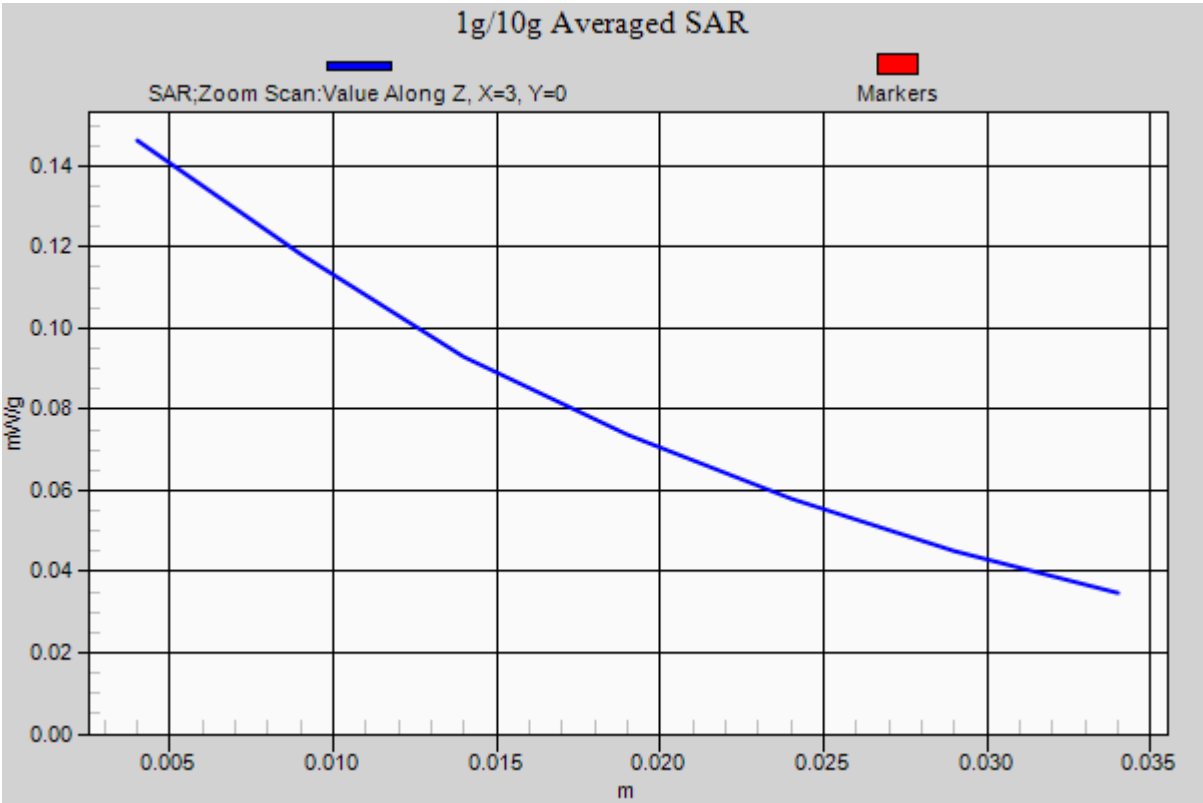
DUT: 172733

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_110808 Medium parameters used: f = 710 MHz; σ = 0.936 mho/m; ε_r = 55.156; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.158 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.187 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.102 mW/g
Maximum value of SAR (measured) = 0.146 mW/g



#246 LTE Band 4_QPSK(36-18)_Front Face_1cm_Ch20175_15M

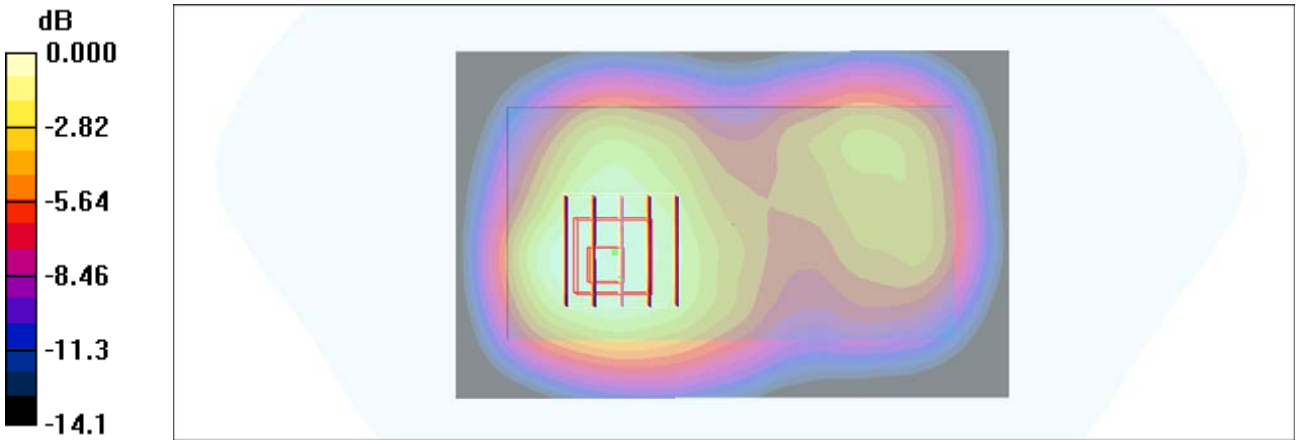
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.866 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.5 V/m; Power Drift = 0.060 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.501 mW/g
Maximum value of SAR (measured) = 0.824 mW/g



0 dB = 0.824mW/g

#247 LTE Band 4_QPSK(1-0)_Front Face_1cm_Ch20175_15M

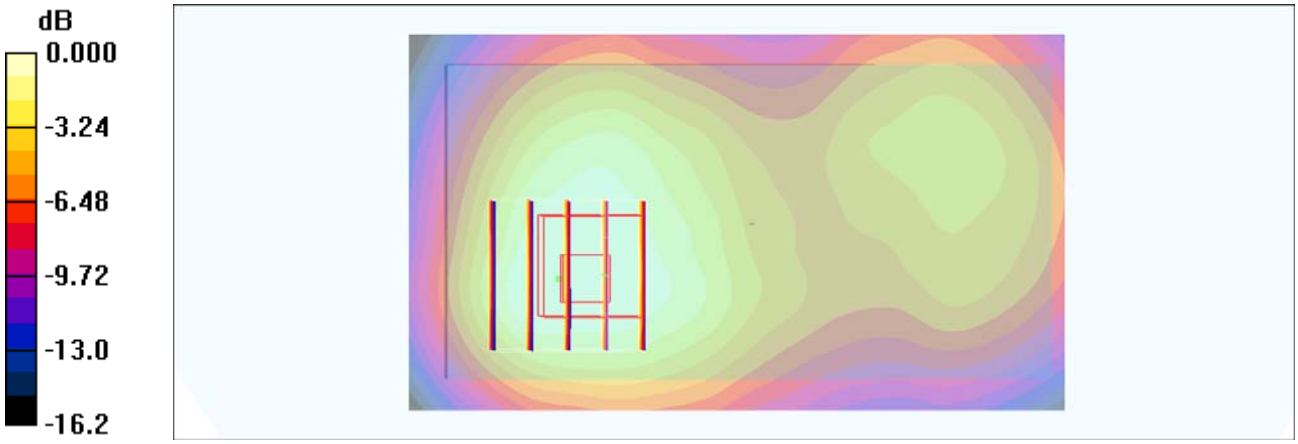
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.980 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.517 mW/g
Maximum value of SAR (measured) = 0.854 mW/g



0 dB = 0.854mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#247 LTE Band 4_QPSK(1-0)_Front Face_1cm_Ch20175_15M_2D

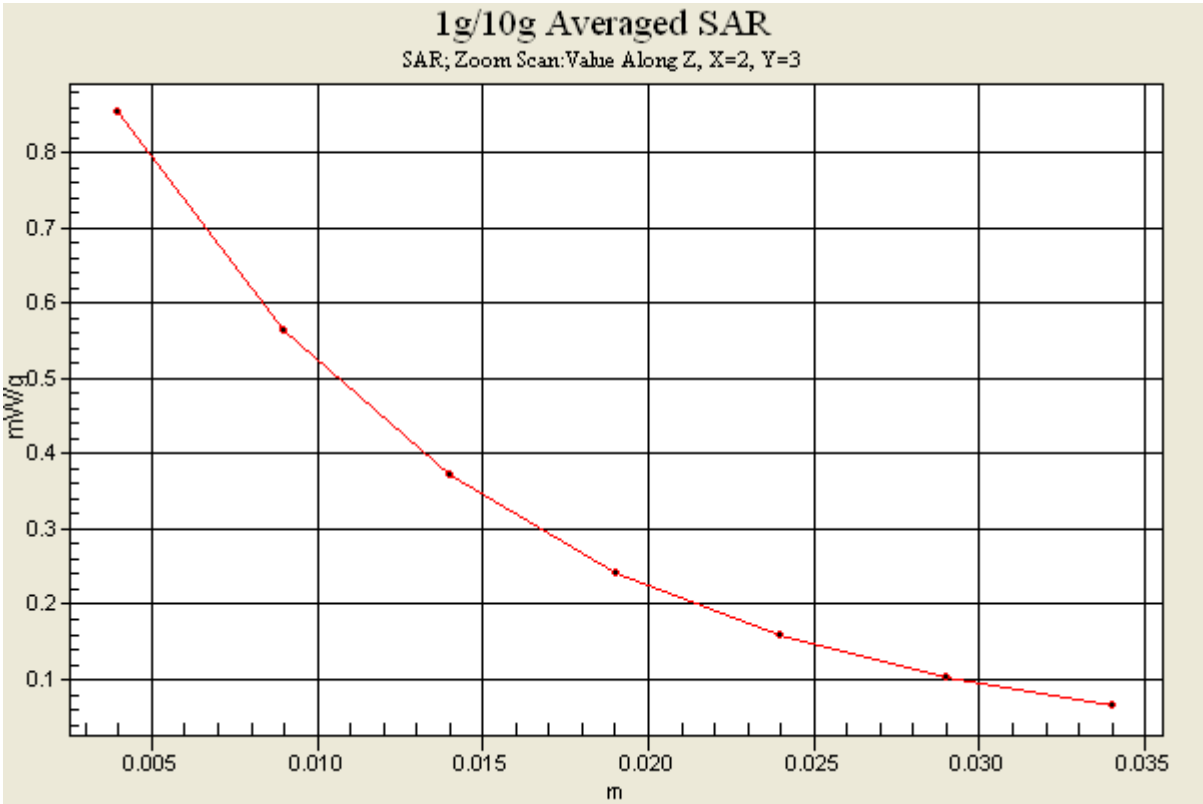
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.980 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.027 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.517 mW/g
Maximum value of SAR (measured) = 0.854 mW/g



#248 LTE Band 4_QPSK(1-74)_Front Face_1cm_Ch20175_15M

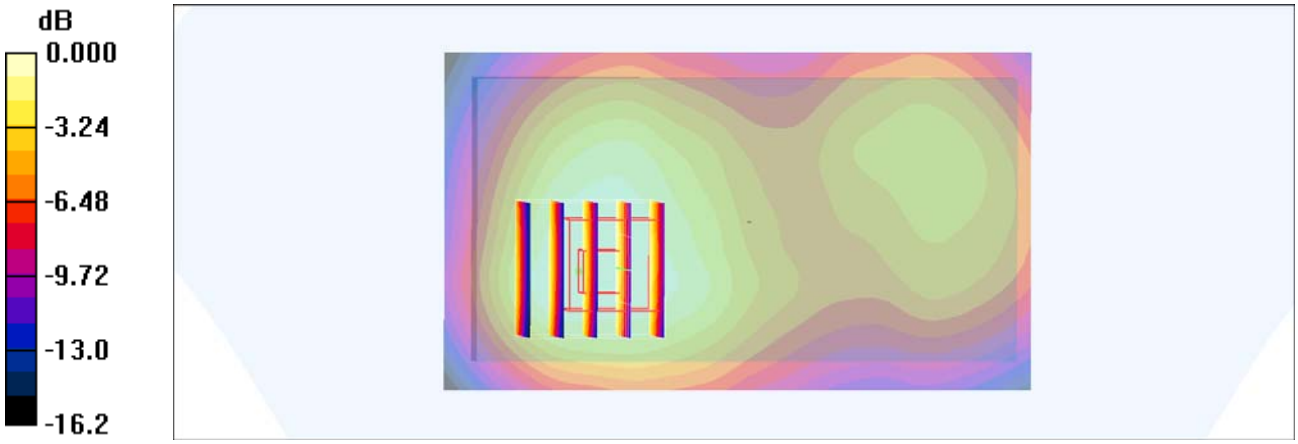
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.913 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.7 V/m; Power Drift = 0.041 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.480 mW/g
Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.797mW/g

#249 LTE Band 4_16QAM(36-18)_Front Face_1cm_Ch20175_15M

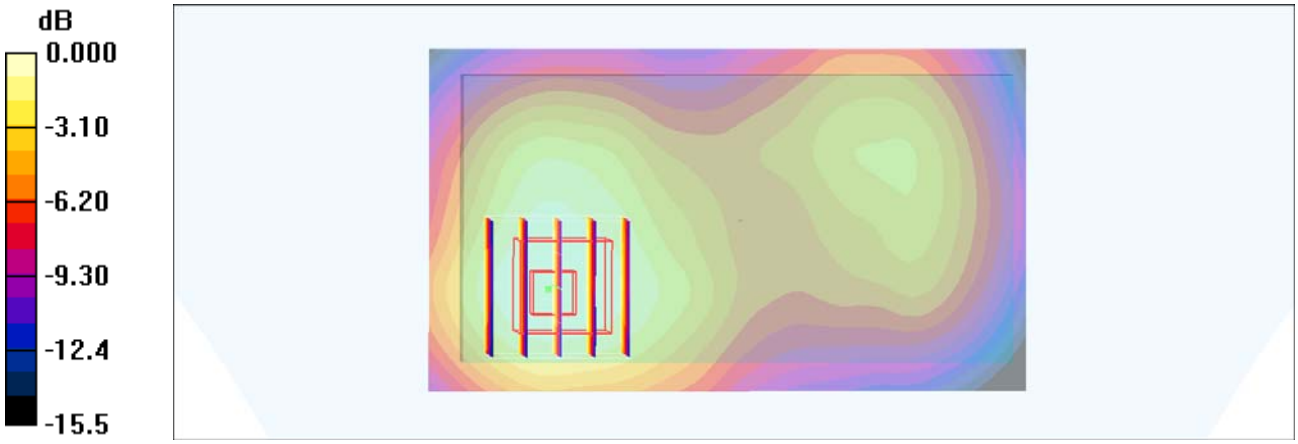
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.827 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.6 V/m; Power Drift = -0.117 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.430 mW/g
Maximum value of SAR (measured) = 0.719 mW/g



0 dB = 0.719mW/g

#250 LTE Band 4_16QAM(1-0)_Front Face_1cm_Ch20175_15M

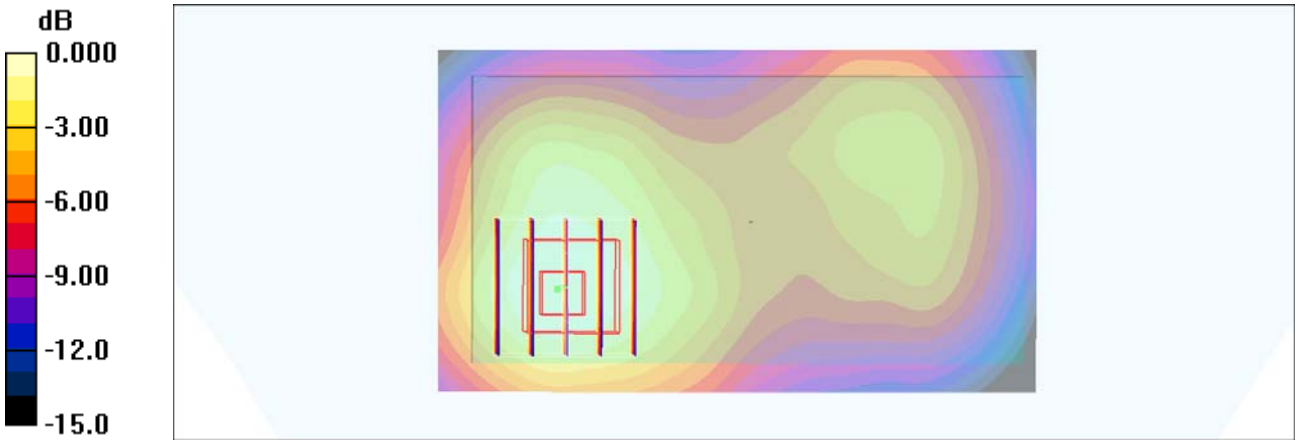
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.832 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.7 V/m; Power Drift = -0.028 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.705 mW/g; SAR(10 g) = 0.446 mW/g
Maximum value of SAR (measured) = 0.756 mW/g



0 dB = 0.756mW/g

#251 LTE Band 4_16QAM(1-74)_Front Face_1cm_Ch20175_15M

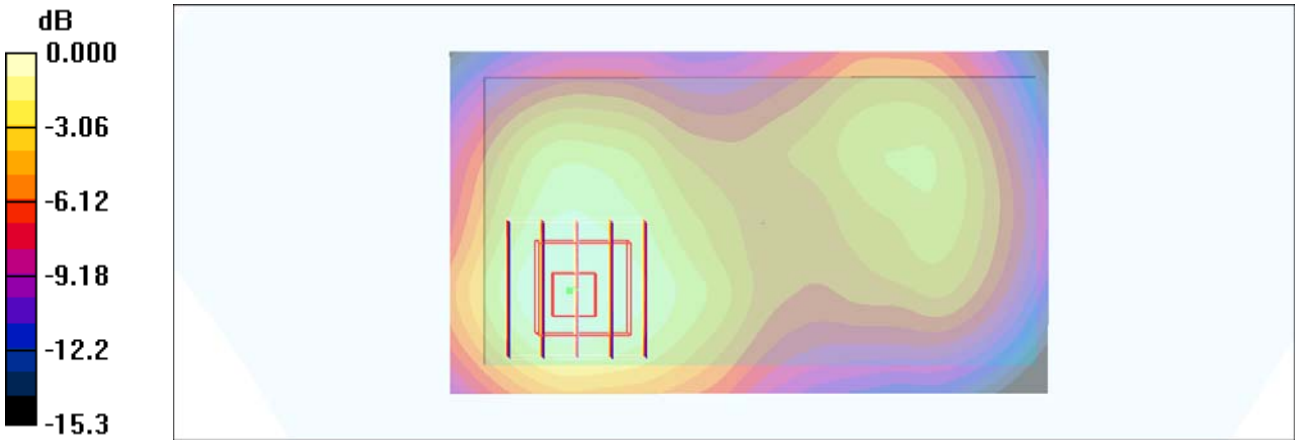
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (41x71x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.791 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.2 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.415 mW/g
Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.704mW/g

#252 LTE Band 4_QPSK(36-18)_Front Face_1cm_Ch20175_15M_Earphone

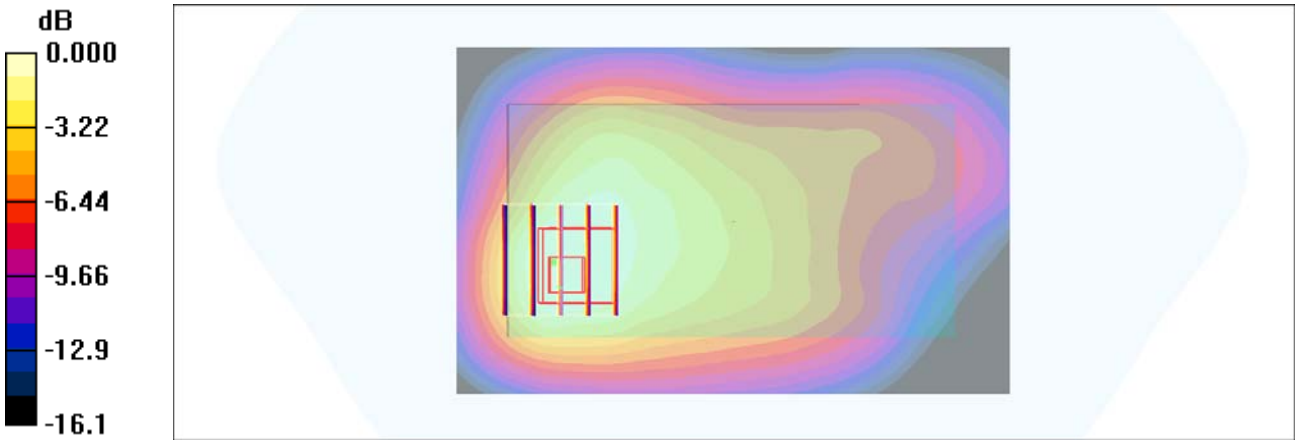
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.774 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = 0.038 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.413 mW/g
Maximum value of SAR (measured) = 0.701 mW/g



0 dB = 0.701mW/g

#253 LTE Band 4_QPSK(1-0)_Front Face_1cm_Ch20175_15M_Earphone

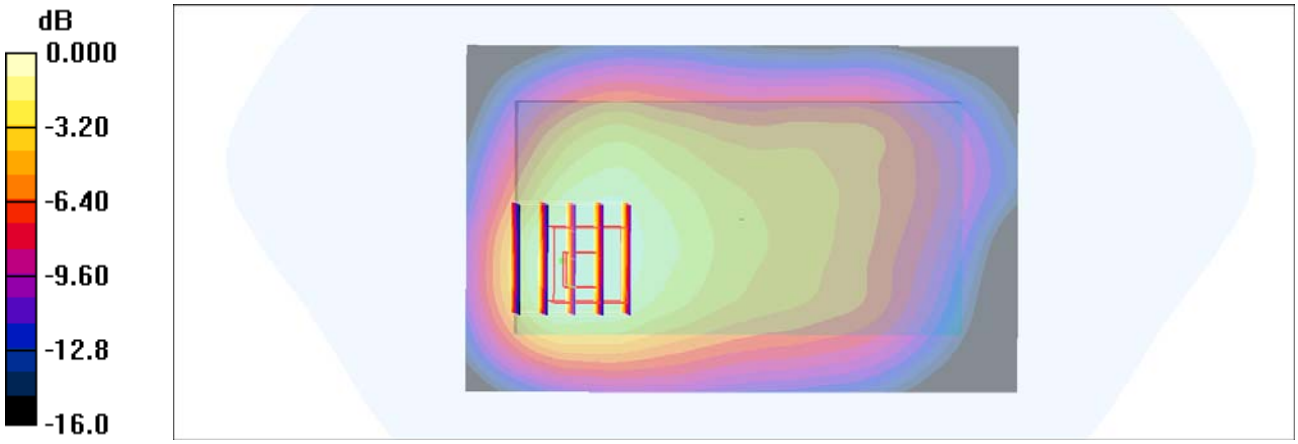
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.875 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.0 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 1.25 W/kg
SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.486 mW/g
Maximum value of SAR (measured) = 0.811 mW/g



0 dB = 0.811mW/g

#254 LTE Band 4_QPSK(1-74)_Front Face_1cm_Ch20175_15M_Earphone

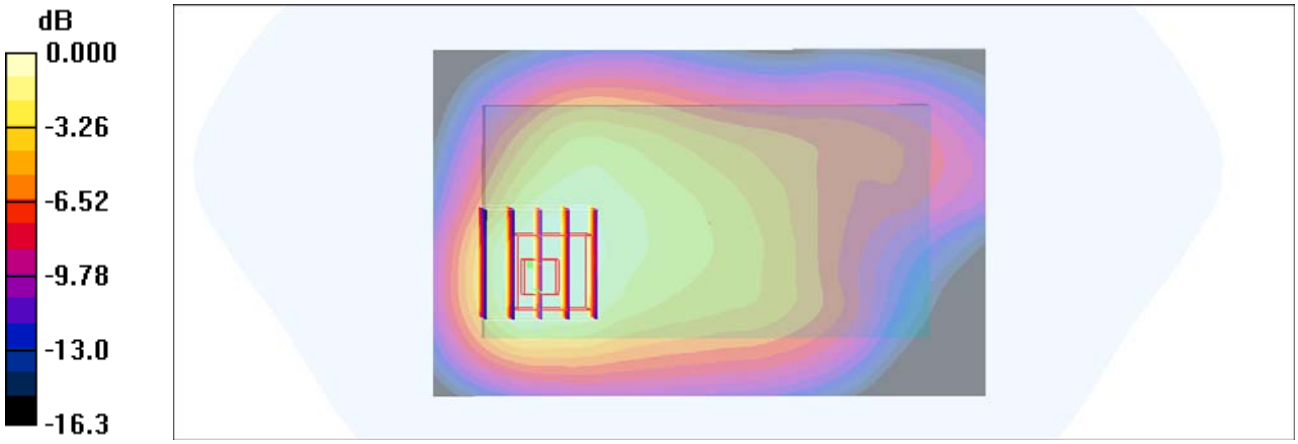
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.774 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.9 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.411 mW/g
Maximum value of SAR (measured) = 0.717 mW/g



0 dB = 0.717mW/g

#255 LTE Band 4_16QAM(36-18)_Front Face_1cm_Ch20175_15M_Earphone

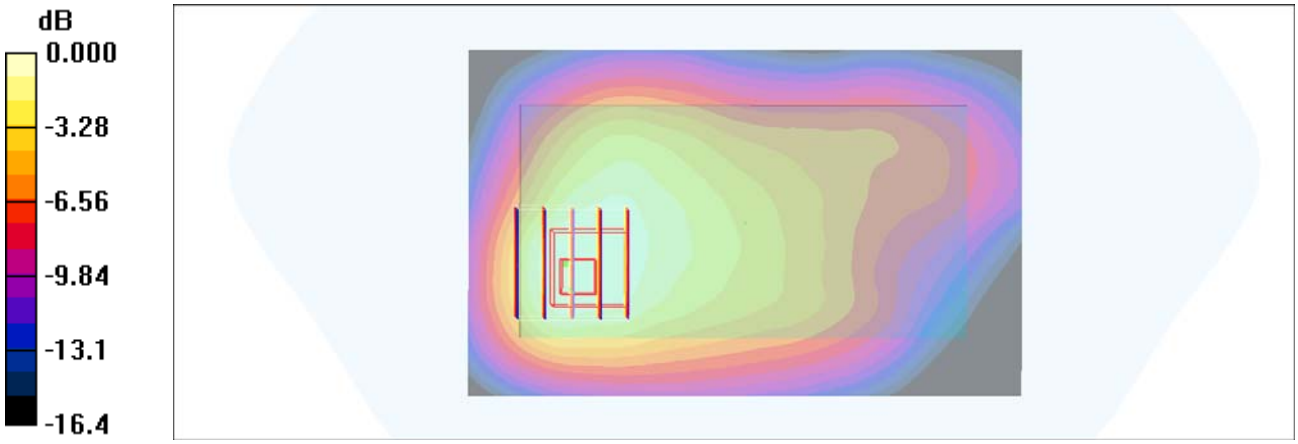
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.730 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.396 mW/g
Maximum value of SAR (measured) = 0.673 mW/g



0 dB = 0.673mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#256 LTE Band 4_16QAM(1-0)_Front Face_1cm_Ch20175_15M_Earphone

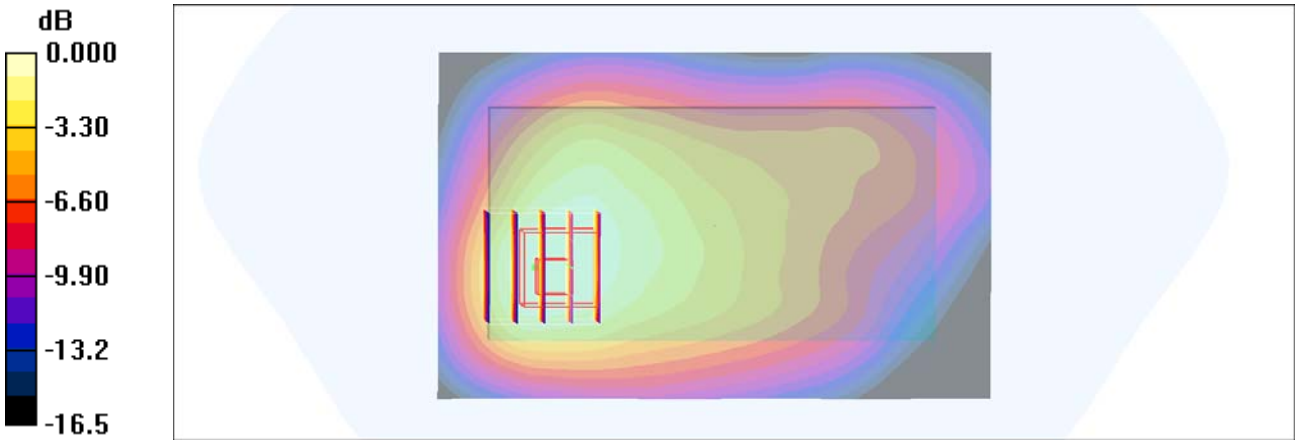
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.775 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.2 V/m; Power Drift = -0.013 dB
Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.680 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 0.710 mW/g



0 dB = 0.710mW/g

#257 LTE Band 4_16QAM(1-74)_Front Face_1cm_Ch20175_15M_Earphone

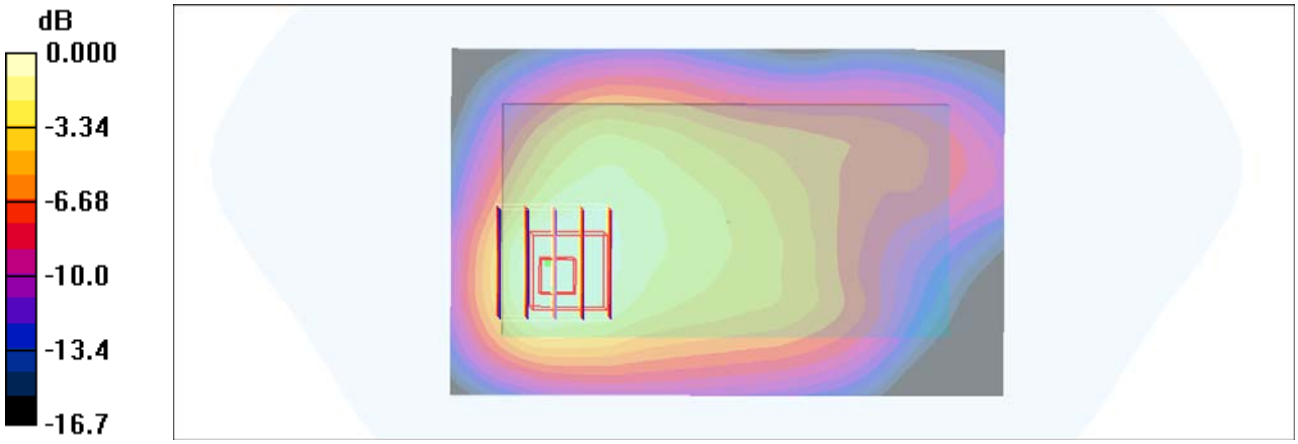
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.713 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.025 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.378 mW/g
Maximum value of SAR (measured) = 0.663 mW/g



0 dB = 0.663mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

#258 LTE Band 17_QPSK(25-13)_Rear Face_1cm_Ch23790_10M

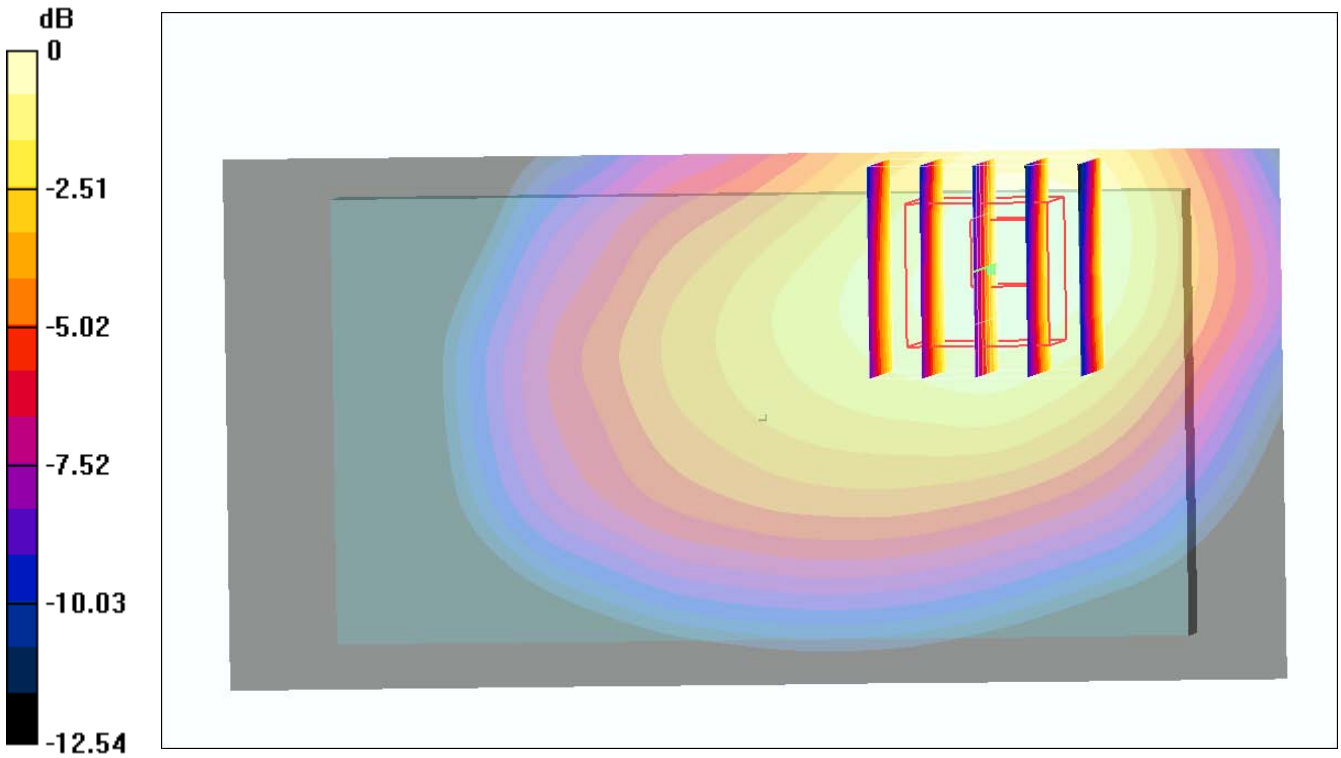
DUT: 172733

Communication System: LTE; Frequency: 710 MHz;Duty Cycle: 1:1
Medium: MSL_750_110808 Medium parameters used: f = 710 MHz; σ = 0.936 mho/m; ε_r = 55.156; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2010/10/22
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.136 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.029 V/m; Power Drift = 0.018 dB
Peak SAR (extrapolated) = 0.154 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.082 mW/g
Maximum value of SAR (measured) = 0.124 mW/g



0 dB = 0.124mW/g

#259 LTE Band 4_QPSK(36-18)_Rear Face_1cm_Ch20175_15M

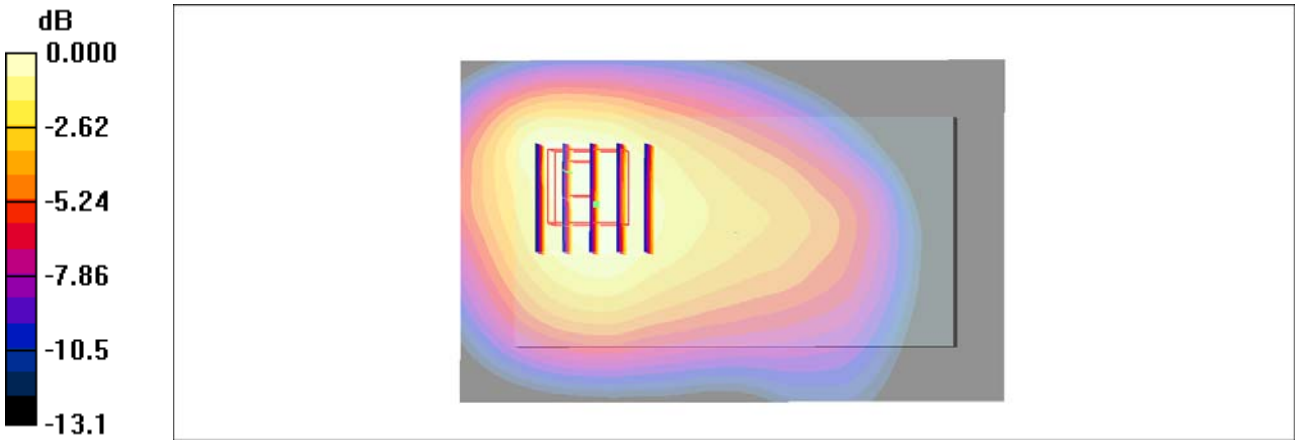
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.778 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.7 V/m; Power Drift = 0.100 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.738 mW/g; SAR(10 g) = 0.468 mW/g
Maximum value of SAR (measured) = 0.794 mW/g



0 dB = 0.794mW/g

#260 LTE Band 4_QPSK(1-10)_Rear Face_1cm_Ch20175_15M

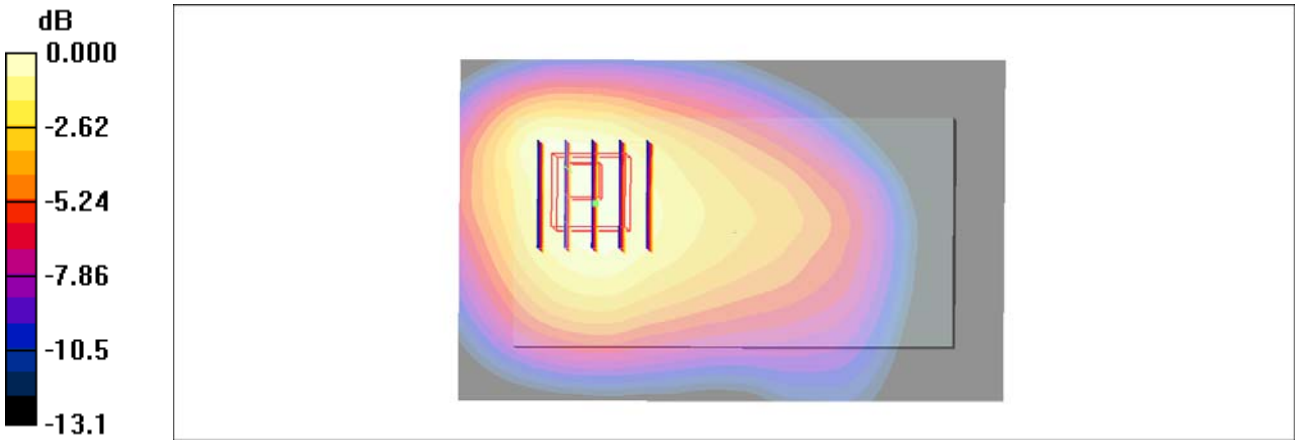
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.811 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = 0.020 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.489 mW/g
Maximum value of SAR (measured) = 0.825 mW/g



0 dB = 0.825mW/g

#261 LTE Band 4_QPSK(1-74)_Rear Face_1cm_Ch20175_15M

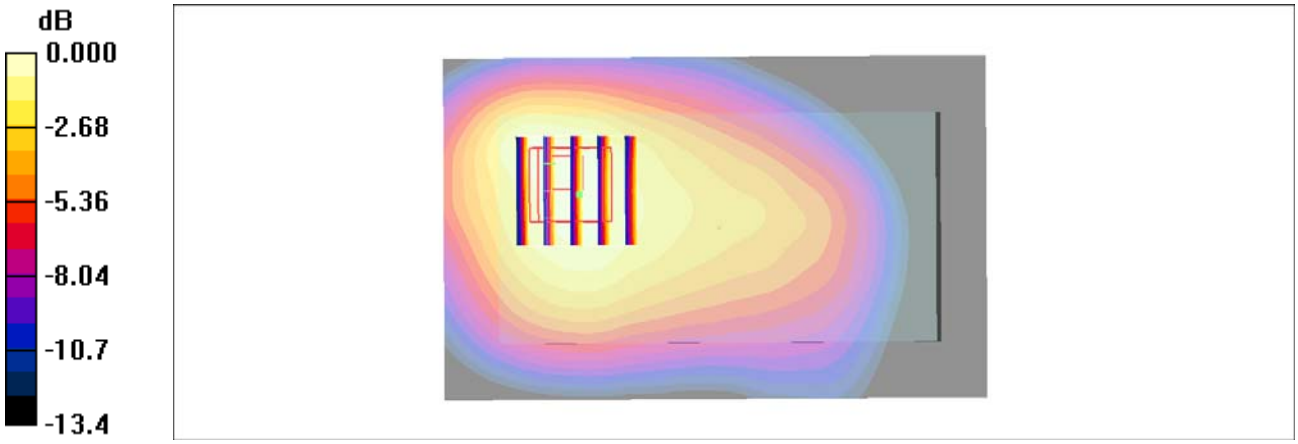
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.723 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.5 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.442 mW/g
Maximum value of SAR (measured) = 0.757 mW/g



0 dB = 0.757mW/g

#262 LTE Band 4_16QAM(36-18)_Rear Face_1cm_Ch20175_15M

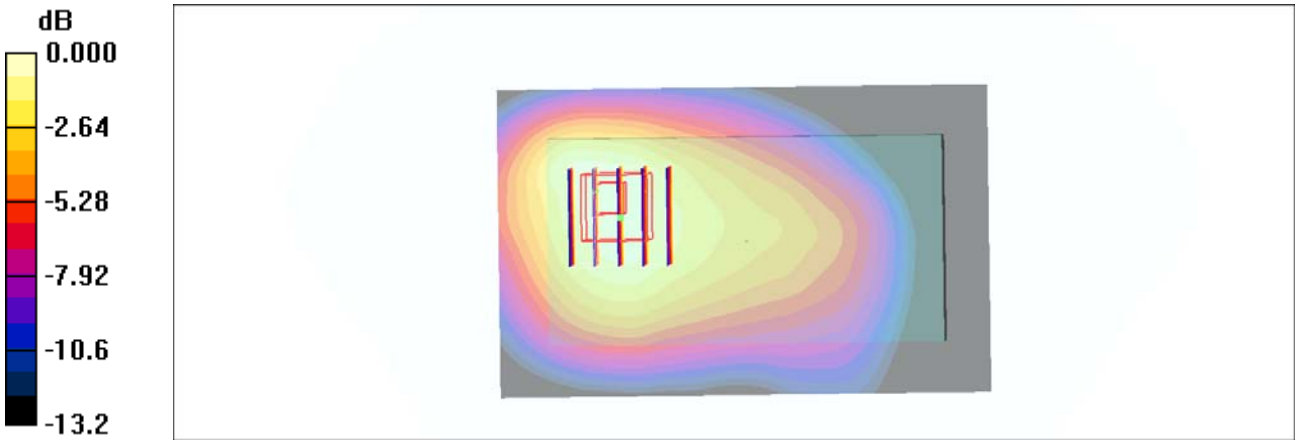
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.757 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.6 V/m; Power Drift = -0.046 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.452 mW/g
Maximum value of SAR (measured) = 0.762 mW/g



0 dB = 0.762mW/g

#263 LTE Band 4_16QAM(1-0)_Rear Face_1cm_Ch20175_15M

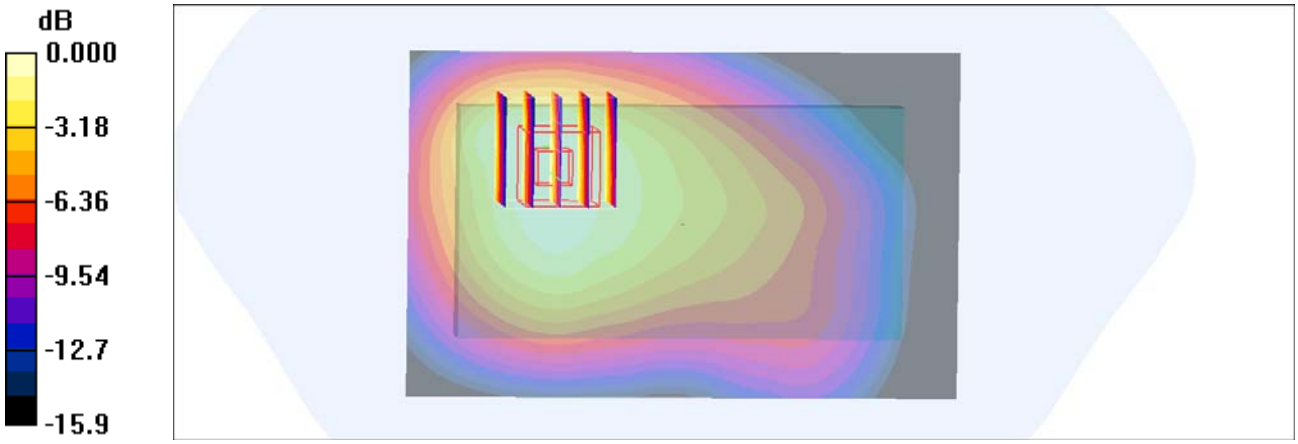
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.849 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.1 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 0.833 mW/g



0 dB = 0.833mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#263 LTE Band 4_16QAM(1-0)_Rear Face_1cm_Ch20175_15M_2D

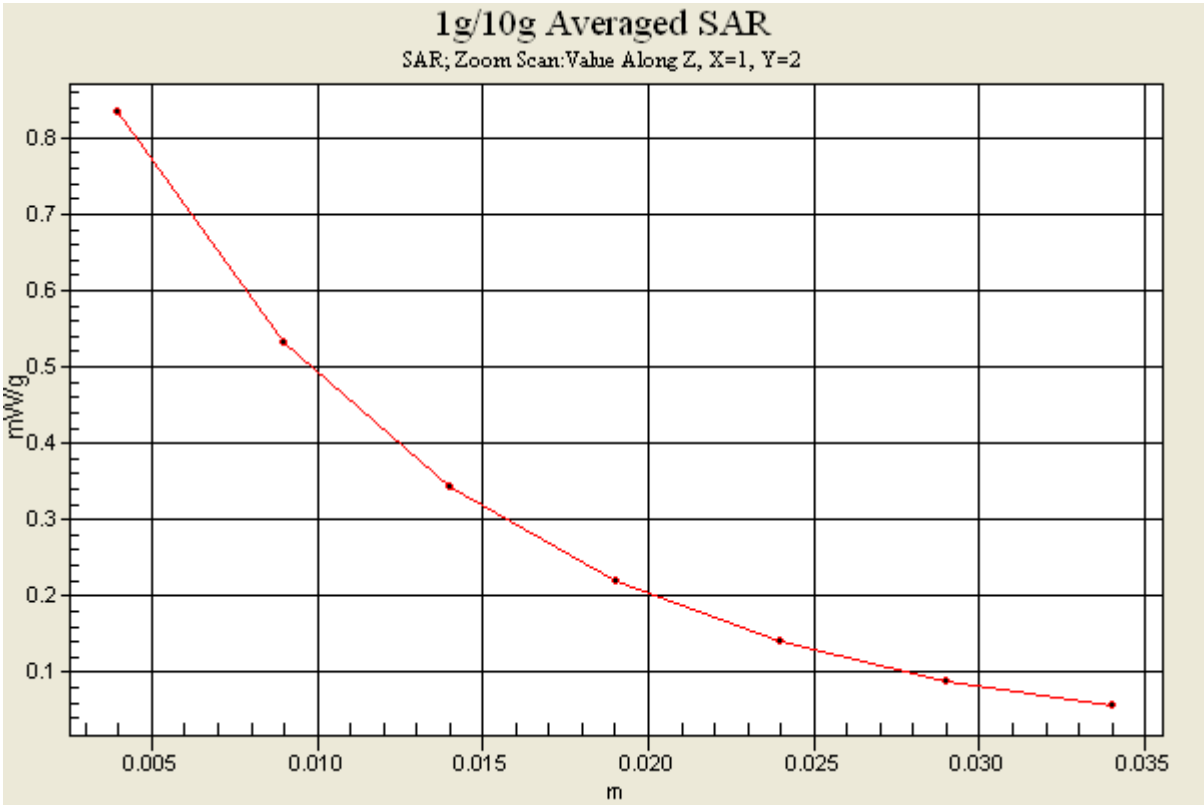
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.849 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.1 V/m; Power Drift = -0.067 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 0.833 mW/g



#264 LTE Band 4_16QAM(1-74)_Rear Face_1cm_Ch20175_15M

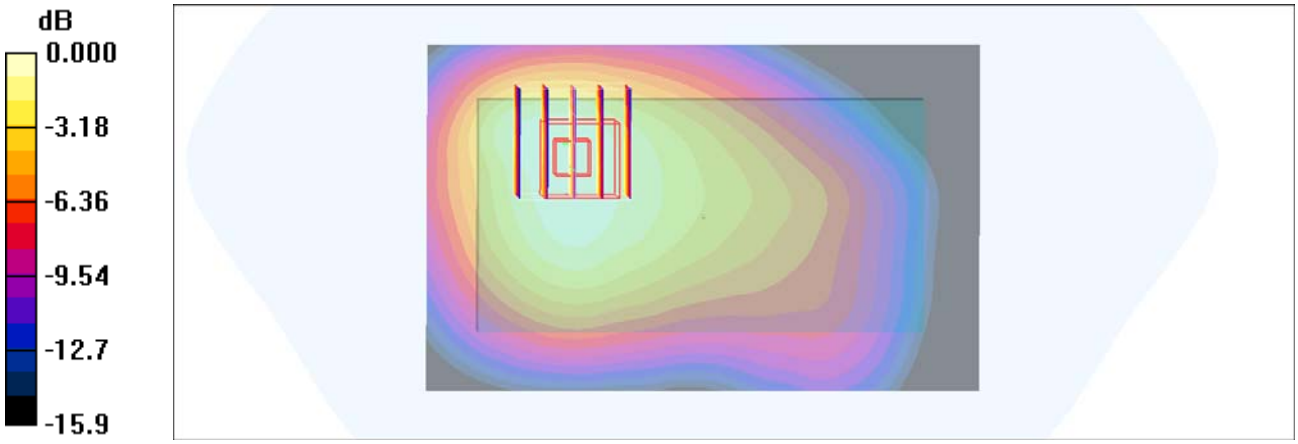
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.804 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.5 V/m; Power Drift = 0.015 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.731 mW/g; SAR(10 g) = 0.462 mW/g
Maximum value of SAR (measured) = 0.786 mW/g



0 dB = 0.786mW/g

#265 LTE Band 4_QPSK(36-18)_Left Side_1cm_Ch20175_15M

DUT: 172773

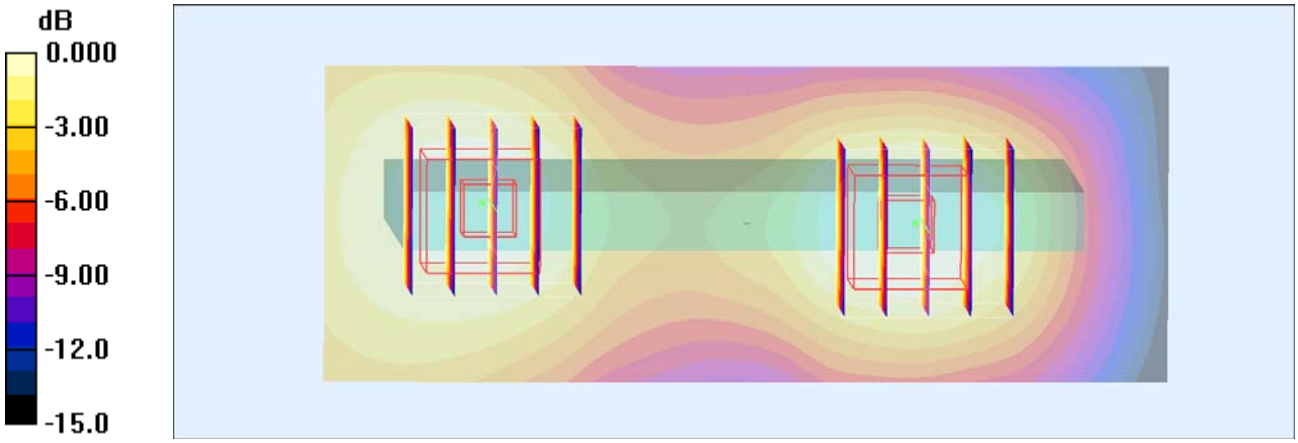
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.201 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.85 V/m; Power Drift = 0.173 dB
Peak SAR (extrapolated) = 0.275 W/kg
SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.106 mW/g
Maximum value of SAR (measured) = 0.191 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.85 V/m; Power Drift = 0.173 dB
Peak SAR (extrapolated) = 0.224 W/kg
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.155 mW/g



0 dB = 0.155mW/g

#266 LTE Band 4_QPSK(1-0)_Left Side_1cm_Ch20175_15M

DUT: 172773

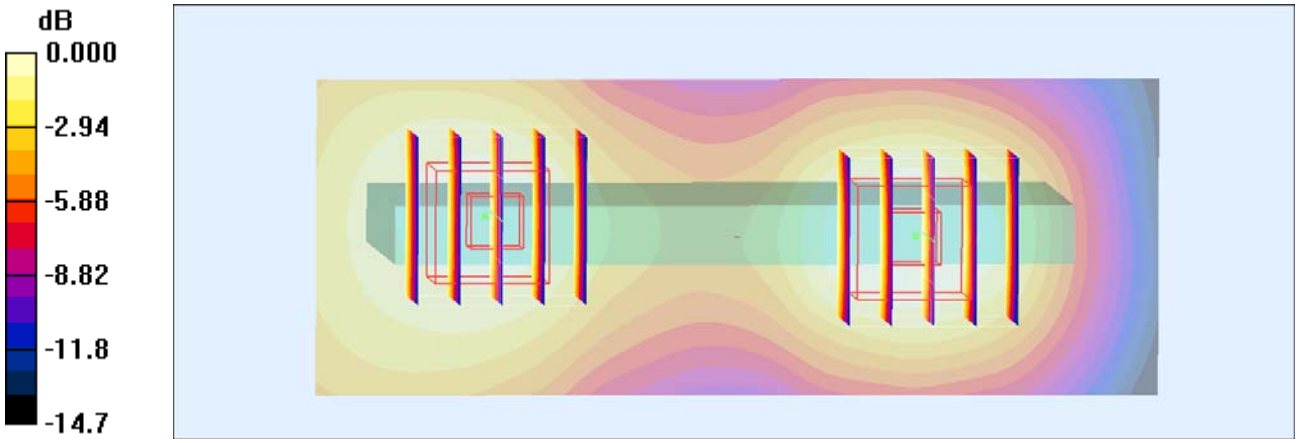
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.210 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.97 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.117 mW/g
Maximum value of SAR (measured) = 0.208 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.97 V/m; Power Drift = -0.038 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.168mW/g

#267 LTE Band 4_QPSK(1-74)_Left Side_1cm_Ch20175_15M

DUT: 172773

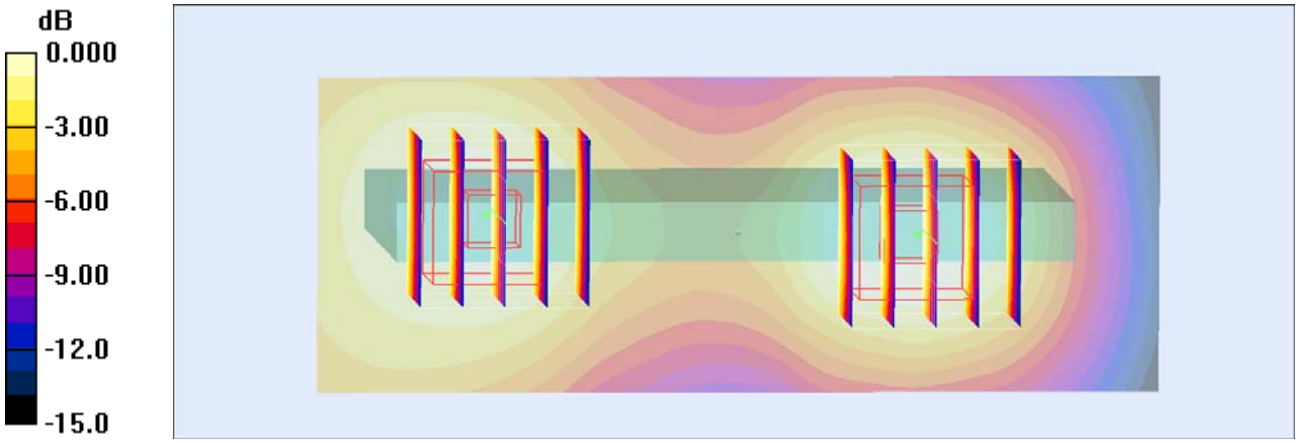
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.197 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.76 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.276 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.193 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.76 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.225 W/kg
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.157 mW/g



0 dB = 0.157mW/g

#268 LTE Band 4_16QAM(36-18)_Left Side_1cm_Ch20175_15M

DUT: 172773

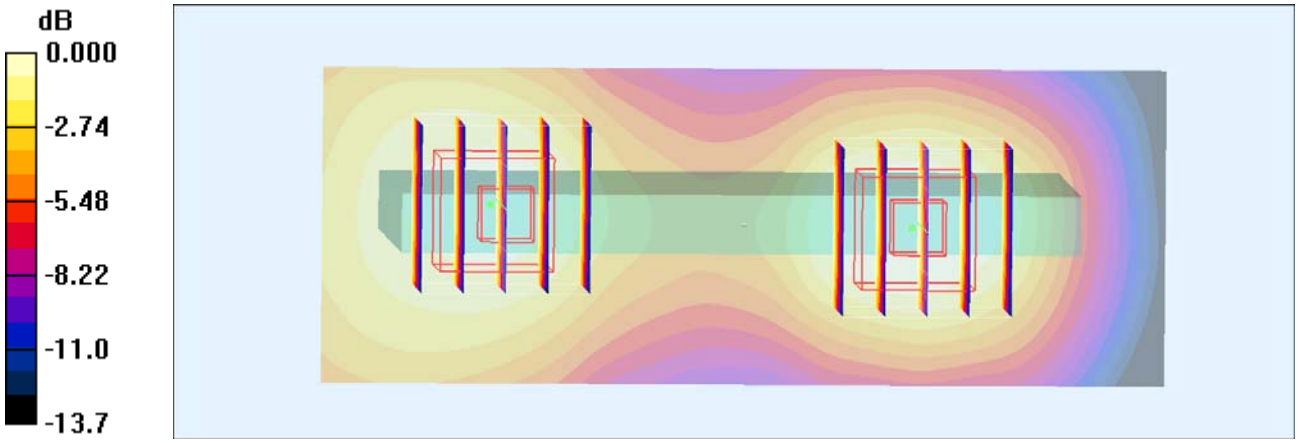
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.179 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.67 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.190 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.67 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 0.223 W/kg
SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.148 mW/g



0 dB = 0.148mW/g

#269 LTE Band 4_16QAM(1-0)_Left Side_1cm_Ch20175_15M

DUT: 172773

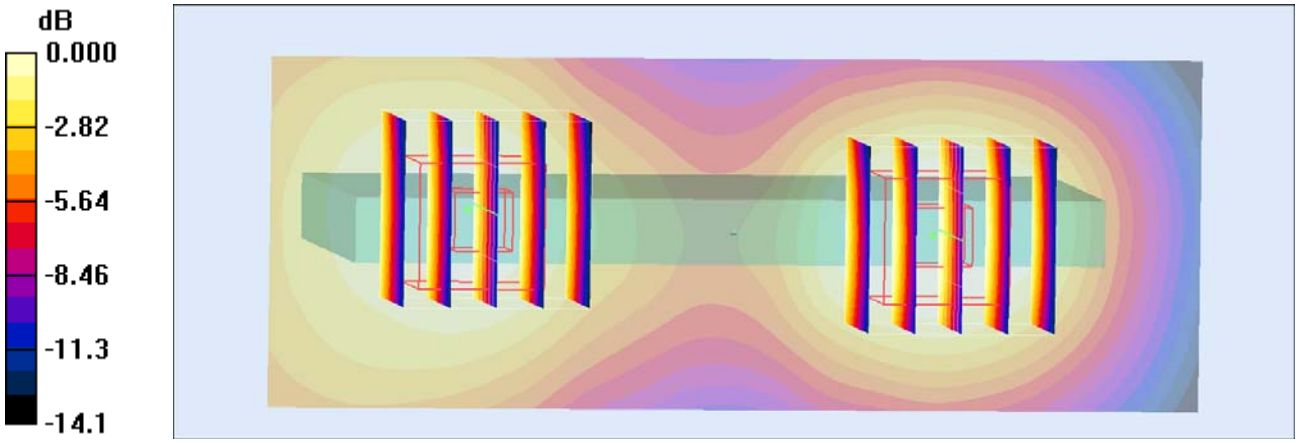
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.212 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.17 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.214 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.17 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.160 mW/g



0 dB = 0.160mW/g

#269 LTE Band 4_16QAM(1-0)_Left Side_1cm_Ch20175_15M_2D

DUT: 172773

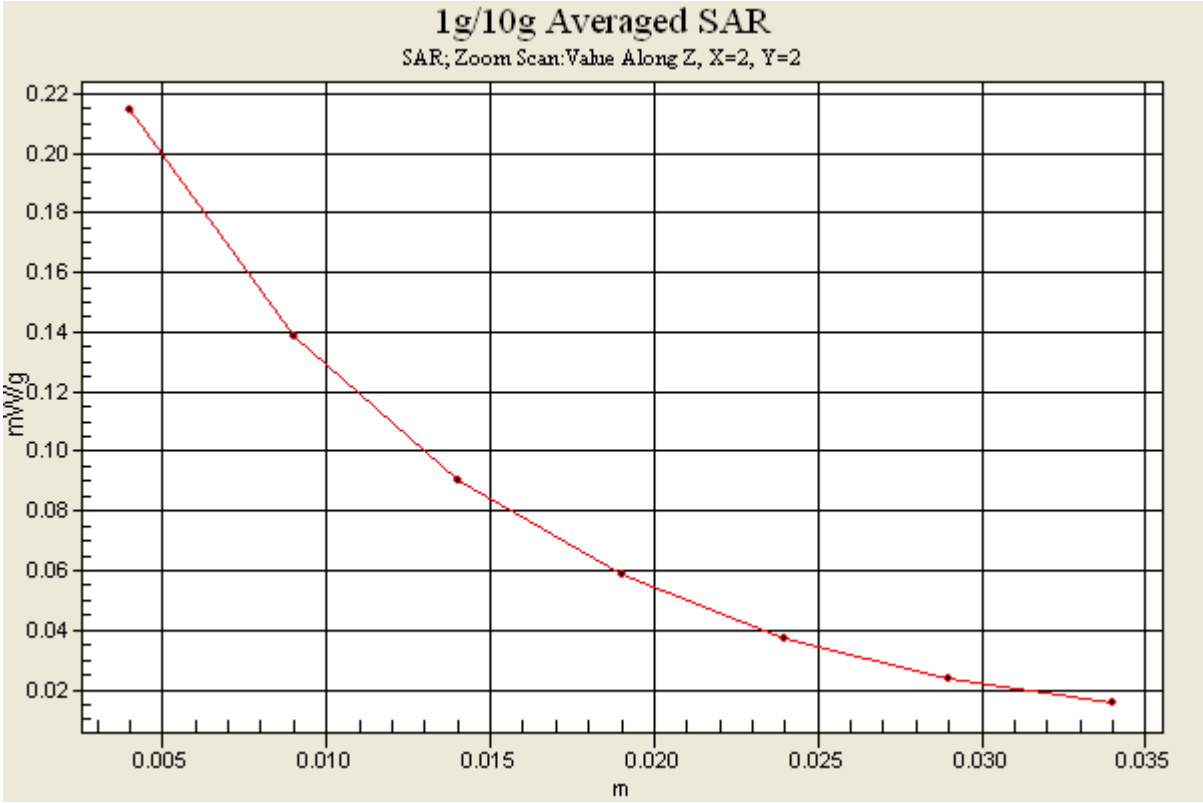
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.212 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.17 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.303 W/kg
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.214 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.17 V/m; Power Drift = -0.044 dB
Peak SAR (extrapolated) = 0.229 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.094 mW/g
Maximum value of SAR (measured) = 0.160 mW/g


1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
mW/g
0.22
0.20
0.18
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#270 LTE Band 4_16QAM(1-74)_Left Side_1cm_Ch20175_15M

DUT: 172773

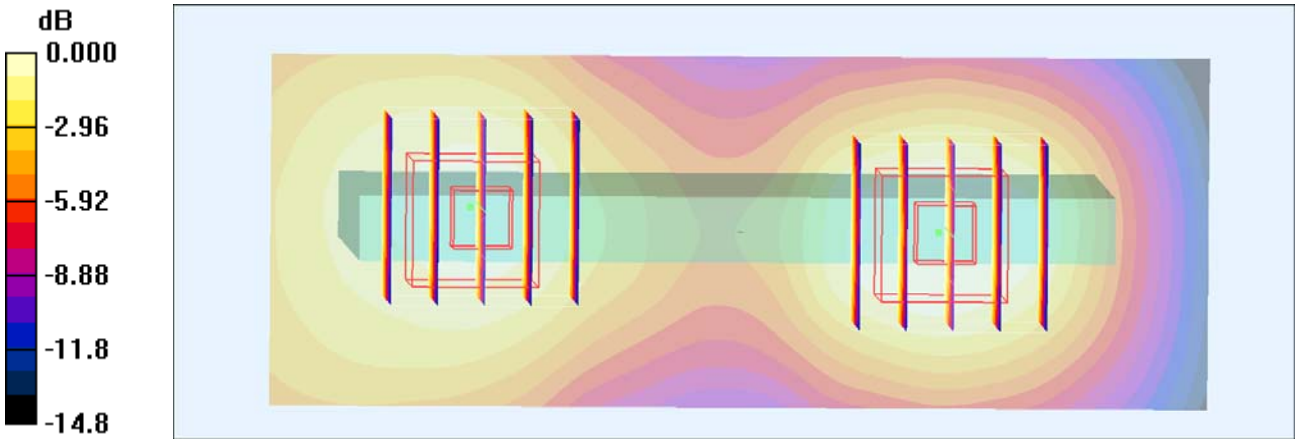
Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.192 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.00 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.277 W/kg
SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.195 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.00 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.152 mW/g



0 dB = 0.152mW/g

#271 LTE Band 4_QPSK(36-18)_Right Side_1cm_Ch20175_15M

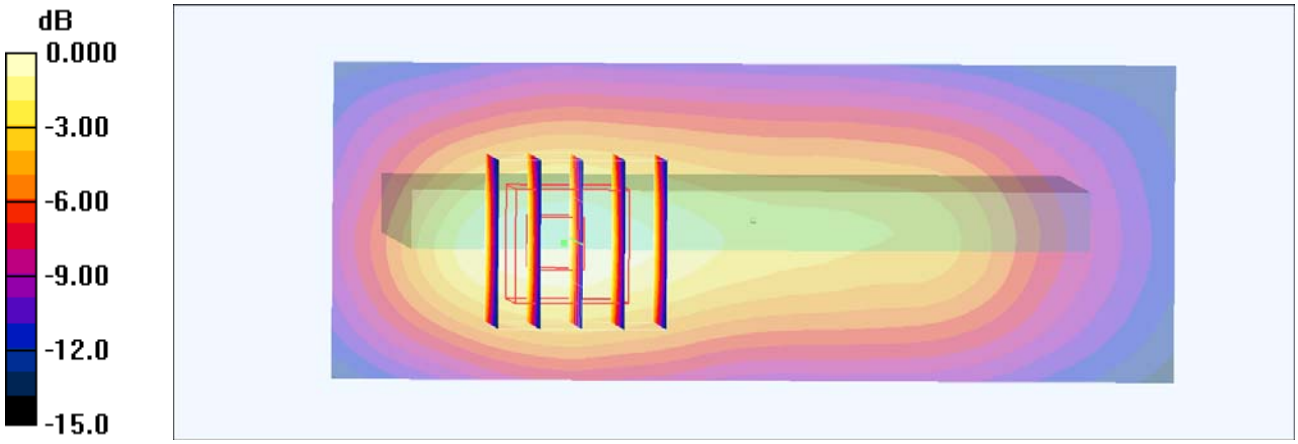
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.415 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.4 V/m; Power Drift = -0.035 dB
Peak SAR (extrapolated) = 0.579 W/kg
SAR(1 g) = 0.362 mW/g; SAR(10 g) = 0.215 mW/g
Maximum value of SAR (measured) = 0.393 mW/g



0 dB = 0.393mW/g

#272 LTE Band 4_QPSK(1-0)_Right Side_1cm_Ch20175_15M

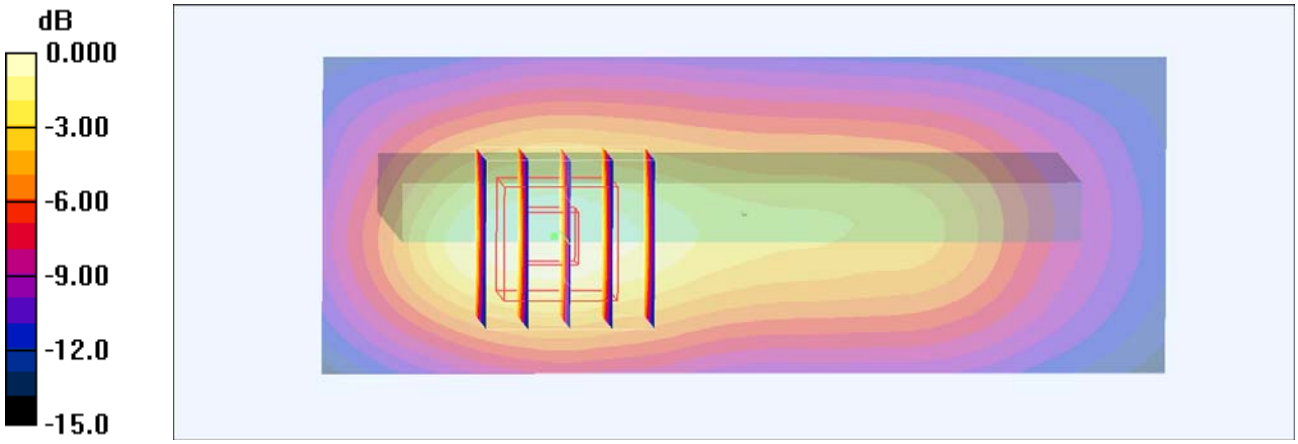
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.439 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.625 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.418 mW/g



0 dB = 0.418mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#272 LTE Band 4_QPSK(1-0)_Right Side_1cm_Ch20175_15M_2D

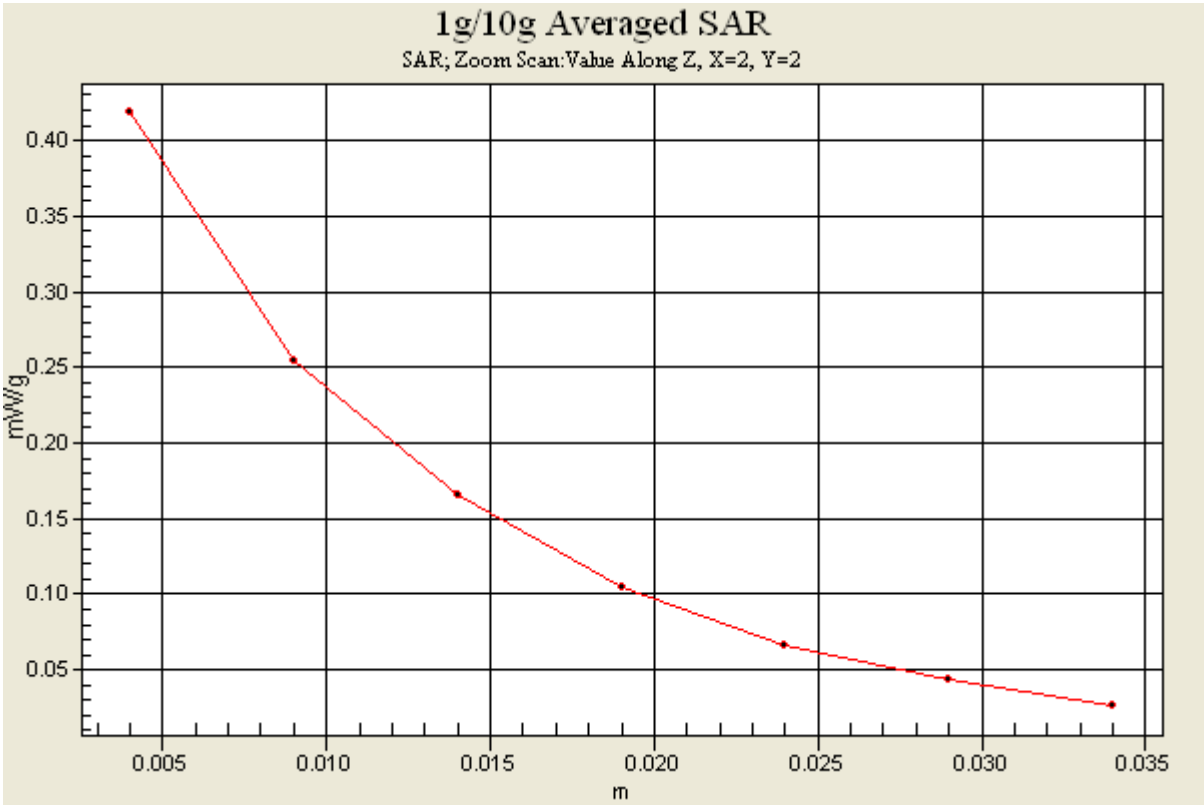
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.439 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.5 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 0.625 W/kg
SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.225 mW/g
Maximum value of SAR (measured) = 0.418 mW/g



#273 LTE Band 4_QPSK(1-74)_Right Side_1cm_Ch20175_15M

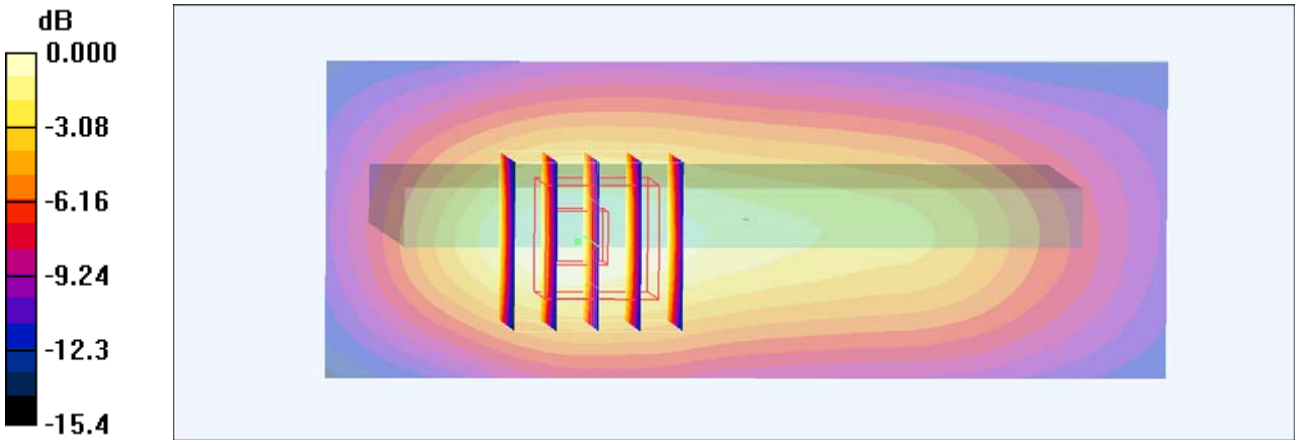
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.396 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.2 V/m; Power Drift = -0.002 dB
Peak SAR (extrapolated) = 0.536 W/kg
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 0.365 mW/g



0 dB = 0.365mW/g

#274 LTE Band 4_16QAM(36-18)_Right Side_1cm_Ch20175_15M

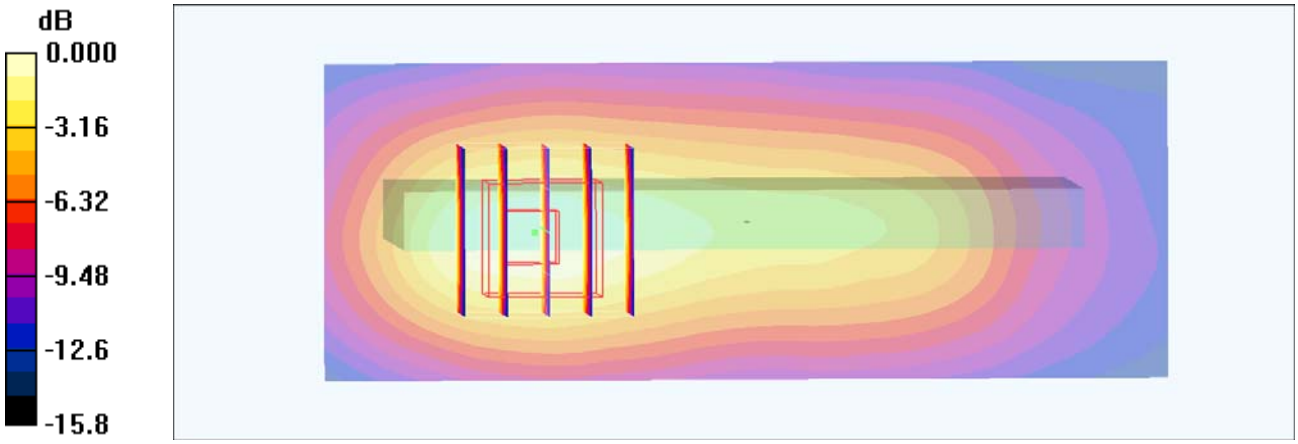
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.394 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 0.568 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.206 mW/g
Maximum value of SAR (measured) = 0.380 mW/g



0 dB = 0.380mW/g

#275 LTE Band 4_16QAM(1-0)_Right Side_1cm_Ch20175_15M

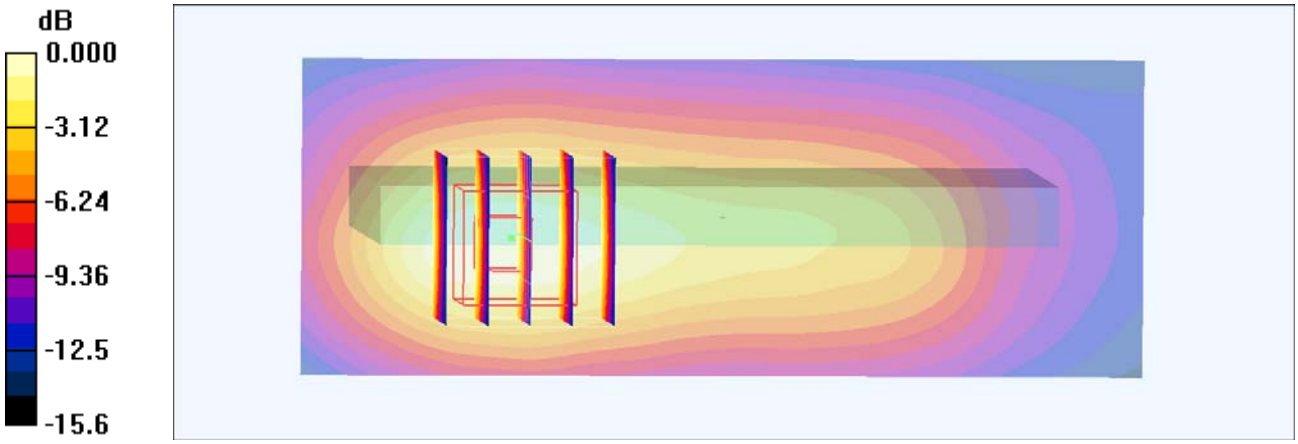
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.391 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.9 V/m; Power Drift = -0.032 dB
Peak SAR (extrapolated) = 0.568 W/kg
SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.207 mW/g
Maximum value of SAR (measured) = 0.377 mW/g



0 dB = 0.377mW/g

#276 LTE Band 4_16QAM(1-74)_Right Side_1cm_Ch20175_15M

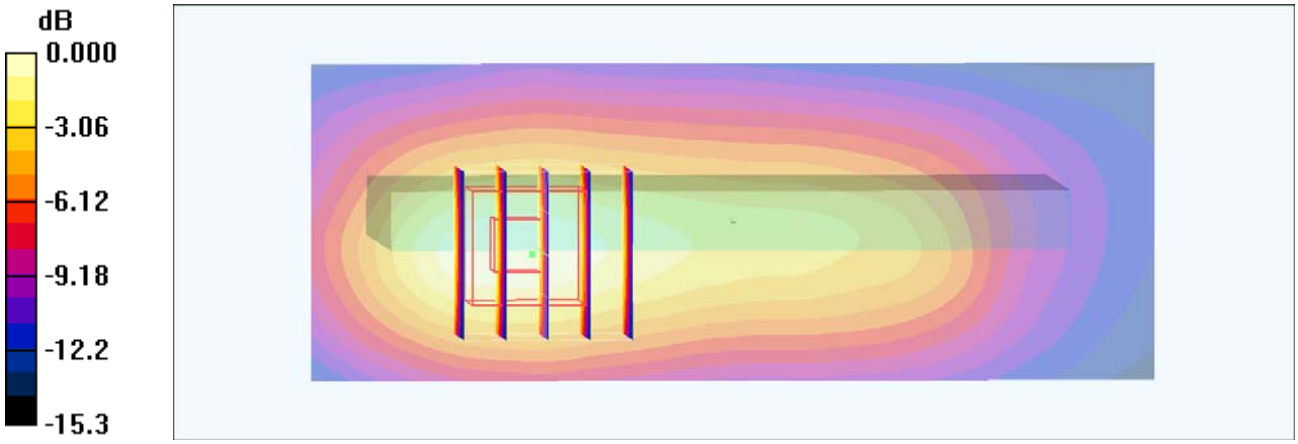
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃; Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.387 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.2 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 0.612 W/kg
SAR(1 g) = 0.359 mW/g; SAR(10 g) = 0.210 mW/g
Maximum value of SAR (measured) = 0.390 mW/g



0 dB = 0.390mW/g

#277 LTE Band 4_QPSK(36-18)_Down Side_1cm_Ch20175_15M

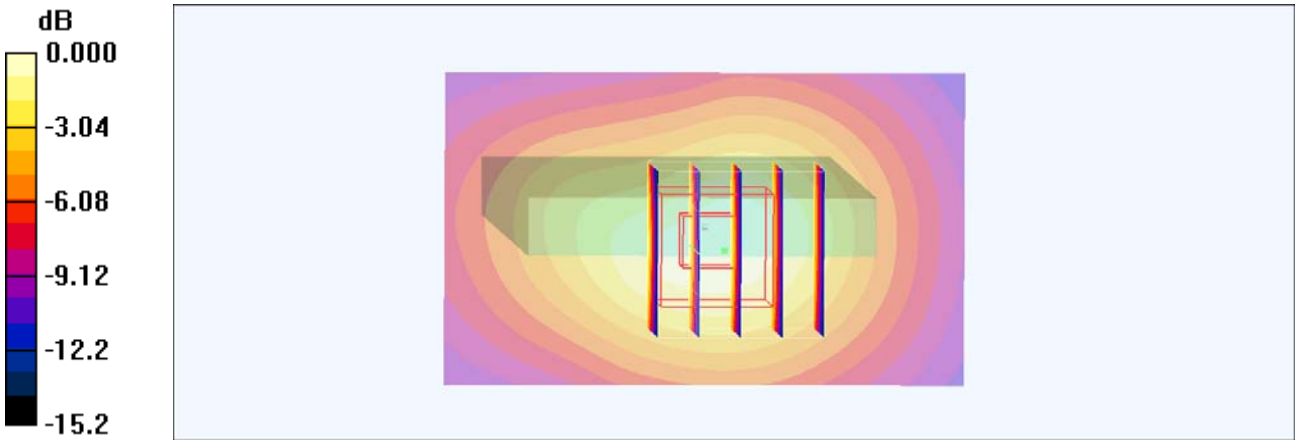
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.534 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.0 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 0.817 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.297 mW/g
Maximum value of SAR (measured) = 0.546 mW/g



0 dB = 0.546mW/g

#278 LTE Band 4_QPSK(1-0)_Down Side_1cm_Ch20175_15M

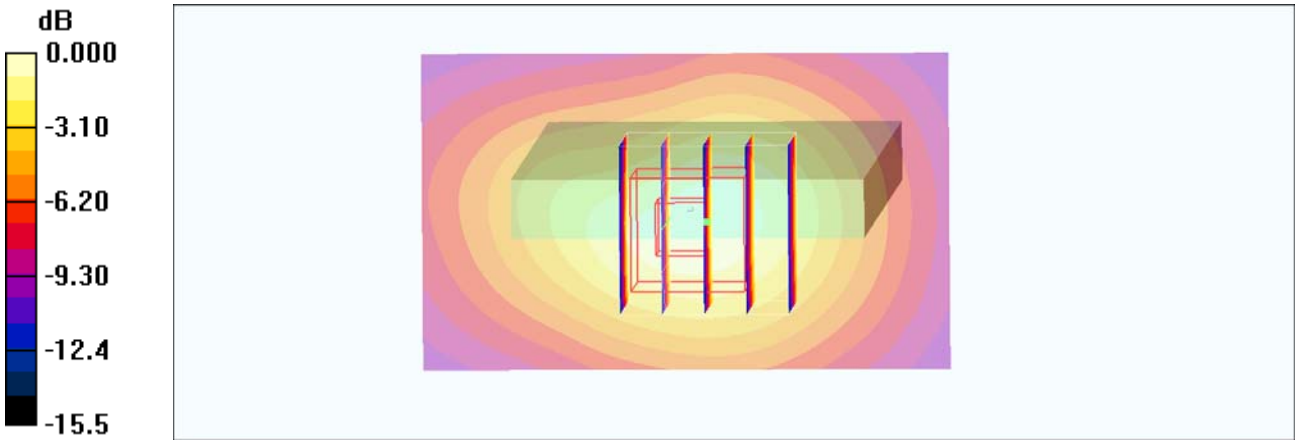
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.543 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.1 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.841 W/kg
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



0 dB = 0.561mW/g

#278 LTE Band 4_QPSK(1-0)_Down Side_1cm_Ch20175_15M_2D

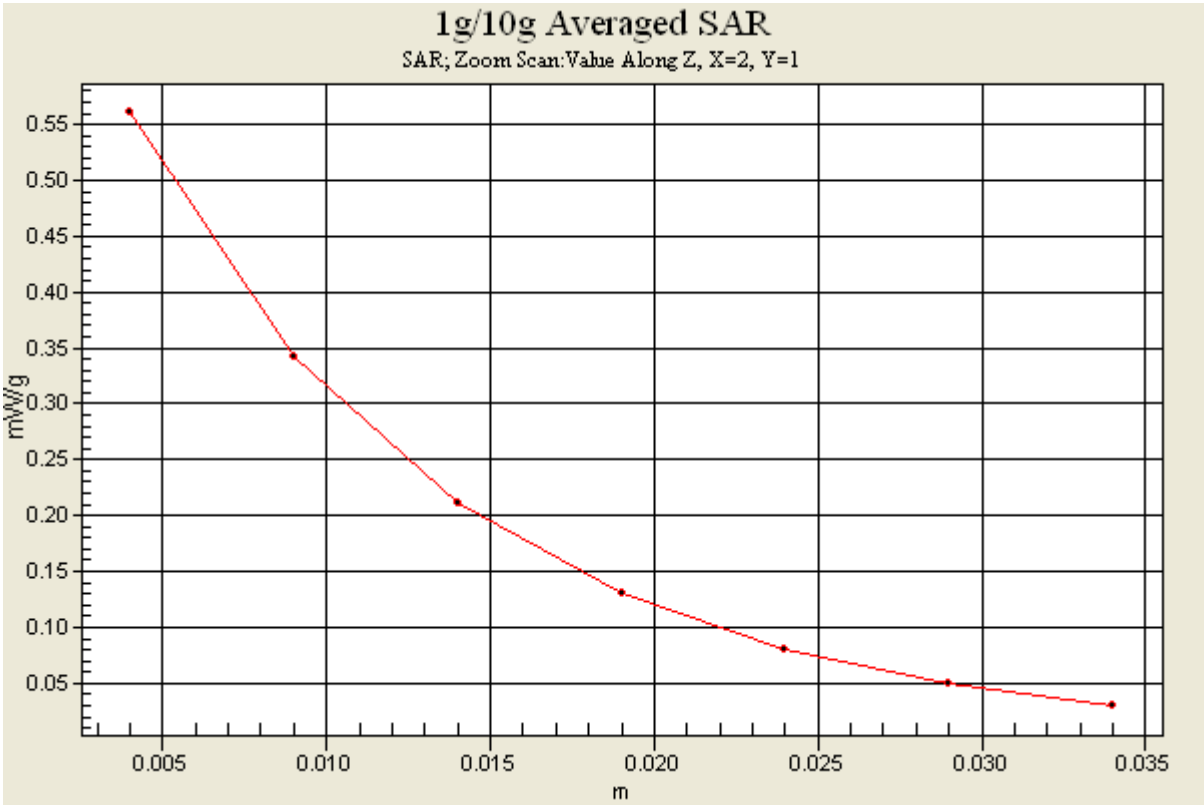
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.543 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.1 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.841 W/kg
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.305 mW/g
Maximum value of SAR (measured) = 0.561 mW/g



#279 LTE Band 4_QPSK(1-74)_Down Side_1cm_Ch20175_15M

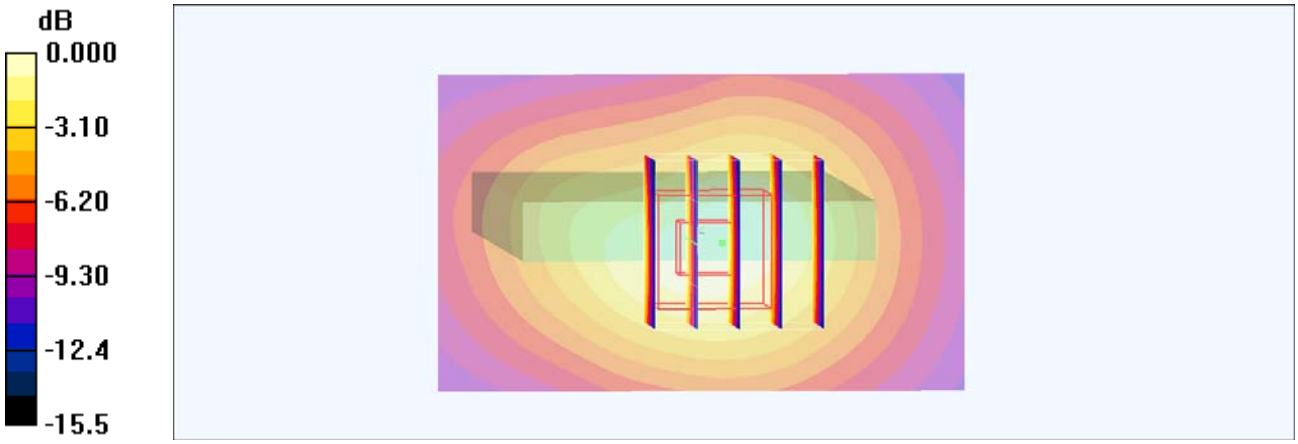
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.542 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.1 V/m; Power Drift = -0.072 dB
Peak SAR (extrapolated) = 0.834 W/kg
SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.554 mW/g



0 dB = 0.554mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/9/3

#280 LTE Band 4_16QAM(36-18)_Down Side_1cm_Ch20175_15M

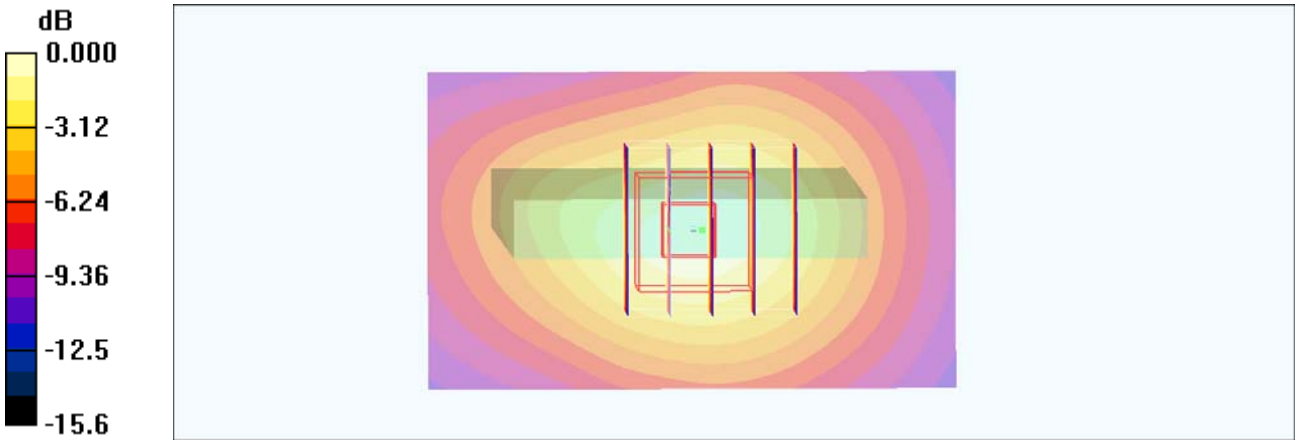
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.525 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.7 V/m; Power Drift = 0.107 dB
Peak SAR (extrapolated) = 0.831 W/kg
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 0.551 mW/g



0 dB = 0.551mW/g

#281 LTE Band 4_16QAM(1-0)_Down Side_1cm_Ch20175_15M

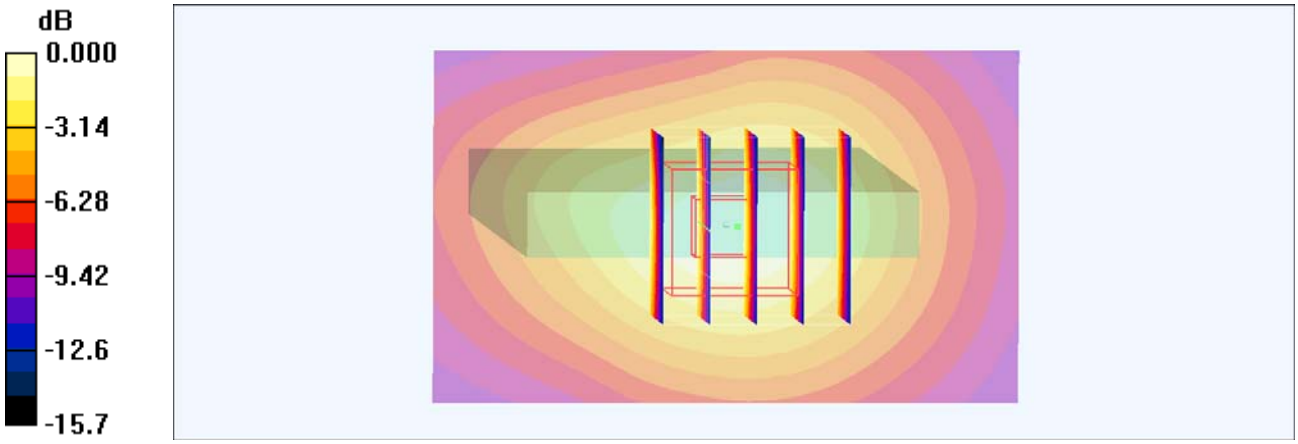
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.538 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.1 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.812 W/kg
SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.298 mW/g
Maximum value of SAR (measured) = 0.544 mW/g



0 dB = 0.544mW/g

#282 LTE Band 4_16QAM(1-74)_Down Side_1cm_Ch20175_15M

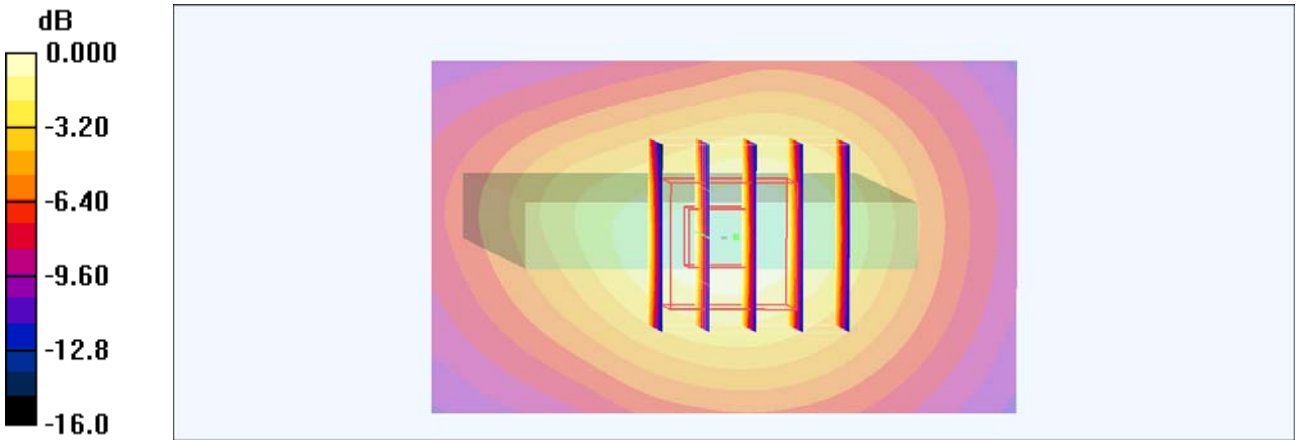
DUT: 172773

Communication System: LTE; Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1800_110903 Medium parameters used : f = 1732.5 MHz; σ = 1.52 mho/m; ε_r = 51.8; ρ = 1000 kg/m^3
Ambient Temperature：22.2 ℃； Liquid Temperature：21.2 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(7.62, 7.62, 7.62); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: SAM-Left; Type: QD 000 P40 C; Serial: TP-1477
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20175/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.538 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.813 W/kg
SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.296 mW/g
Maximum value of SAR (measured) = 0.539 mW/g



0 dB = 0.539mW/g

#284 802.11b_Rear Face_1cm_Ch11

DUT: 172733

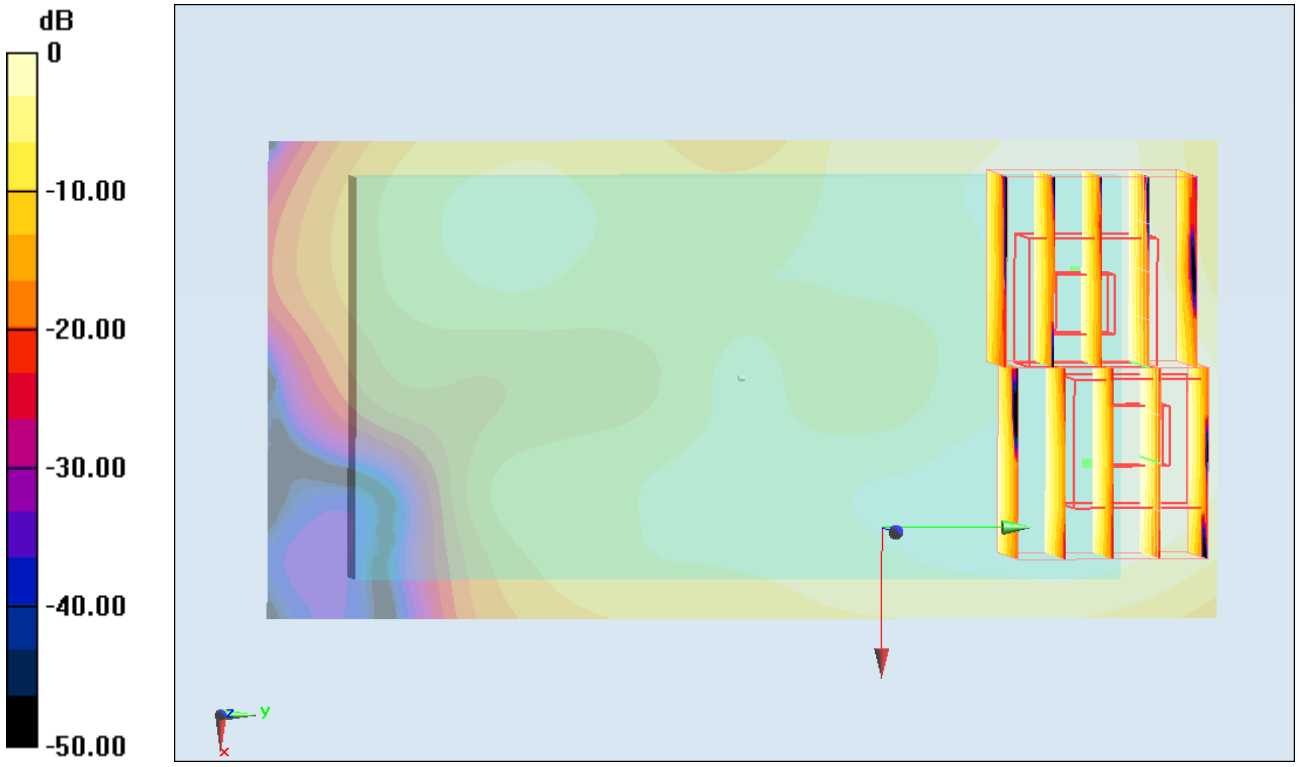
Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_110808 Medium parameters used: f = 2462 MHz; σ = 1.981 mho/m; ε_r = 51.494; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.290 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.131 mW/g

Configuration/Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.290 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.084 mW/g



0 dB = 0.080mW/g

#284 802.11b_Rear Face_1cm_Ch11_2D

DUT: 172733

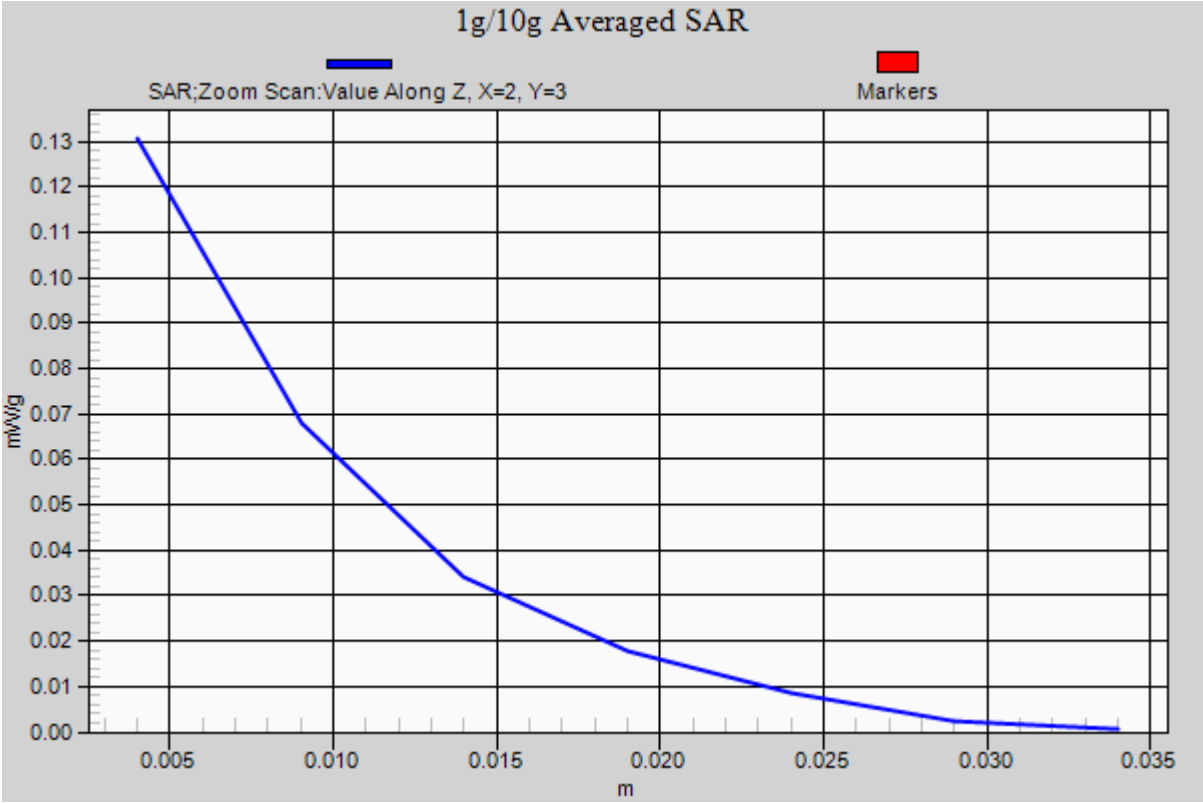
Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_110808 Medium parameters used: f = 2462 MHz; σ = 1.981 mho/m; ε_r = 51.494; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.115 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.290 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.059 mW/g
Maximum value of SAR (measured) = 0.131 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.290 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.133 W/kg
SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.084 mW/g


1g/10g Averaged SAR
SAR;Zoom Scan:Value Along Z, X=2, Y=3
Markers
mW/g
0.13
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/8/8

#285 802.11b_Rear Face_1cm_Ch11_Earphone

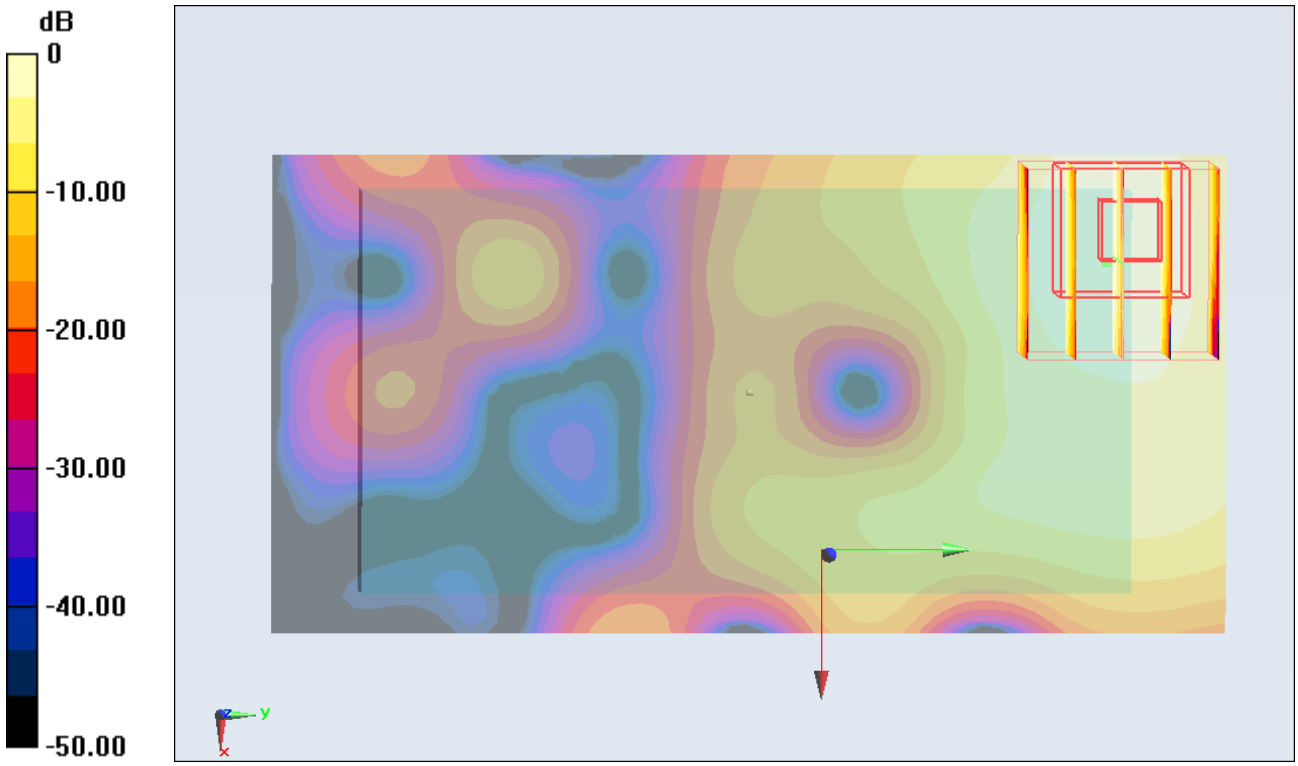
DUT: 172733

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_110808 Medium parameters used: f = 2462 MHz; σ = 1.981 mho/m; ε_r = 51.494; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/1/13
- Phantom: SAM Right; Type: QD000P40CD; Serial: TP:1644
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.080 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.996 V/m; Power Drift = 0.156 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.039 mW/g
Maximum value of SAR (measured) = 0.084 mW/g



0 dB = 0.080mW/g