Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/21

System Check_835MHz_100521

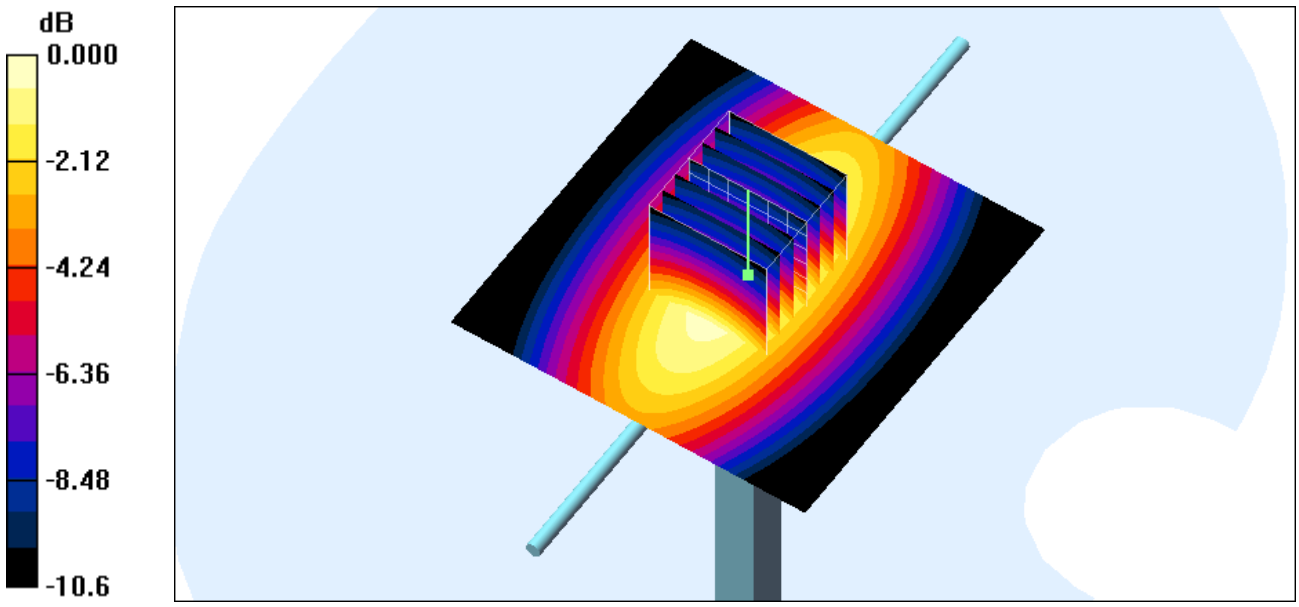
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_100521 Medium parameters used: f = 835 MHz; σ = 0.926 mho/m; ε_r = 43.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV3 - SN3514; ConvF(9.31, 9.31, 9.31); Calibrated: 2009/1/21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.9 V/m; Power Drift = 0.001 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.641 mW/g
Maximum value of SAR (measured) = 1.07 mW/g



0 dB = 1.07mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/6

System Check_835MHz_100606

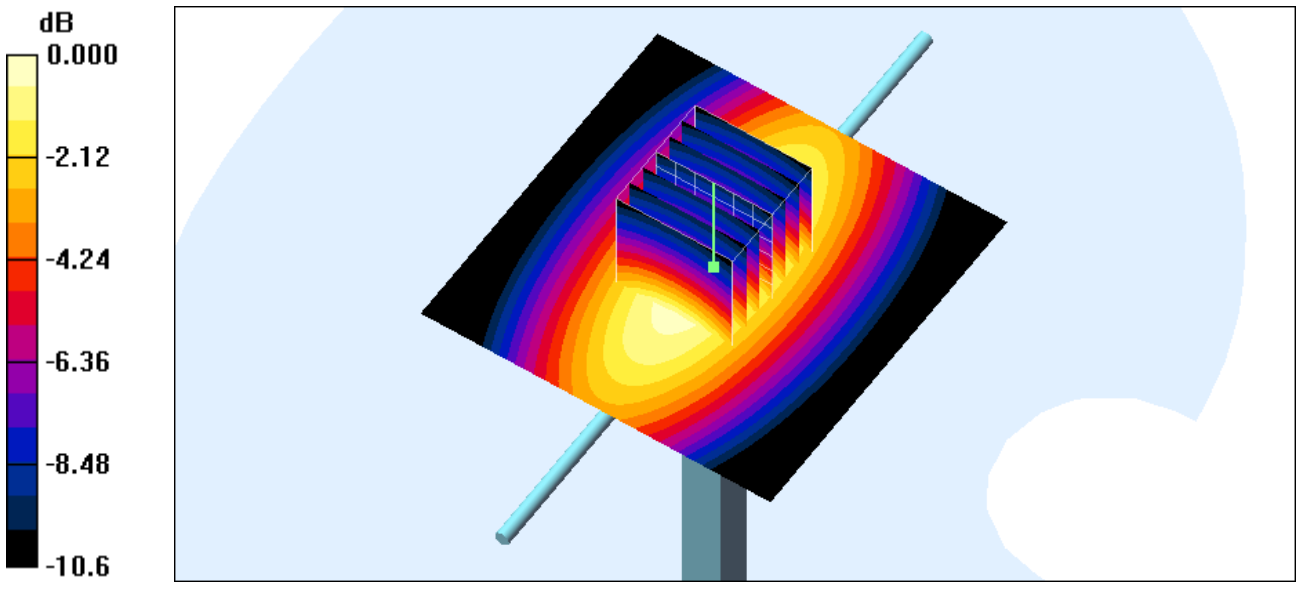
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: HSL_850_100606 Medium parameters used: f = 835 MHz; σ = 0.906 mho/m; ε_r = 43; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.3 ℃

DASY4 Configuration:
- Probe: EX3DV3 - SN3514; ConvF(9.31, 9.31, 9.31); Calibrated: 2009/1/21
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.930 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.1 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.559 mW/g
Maximum value of SAR (measured) = 0.932 mW/g



0 dB = 0.932mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/20

System Check_835MHz_100520

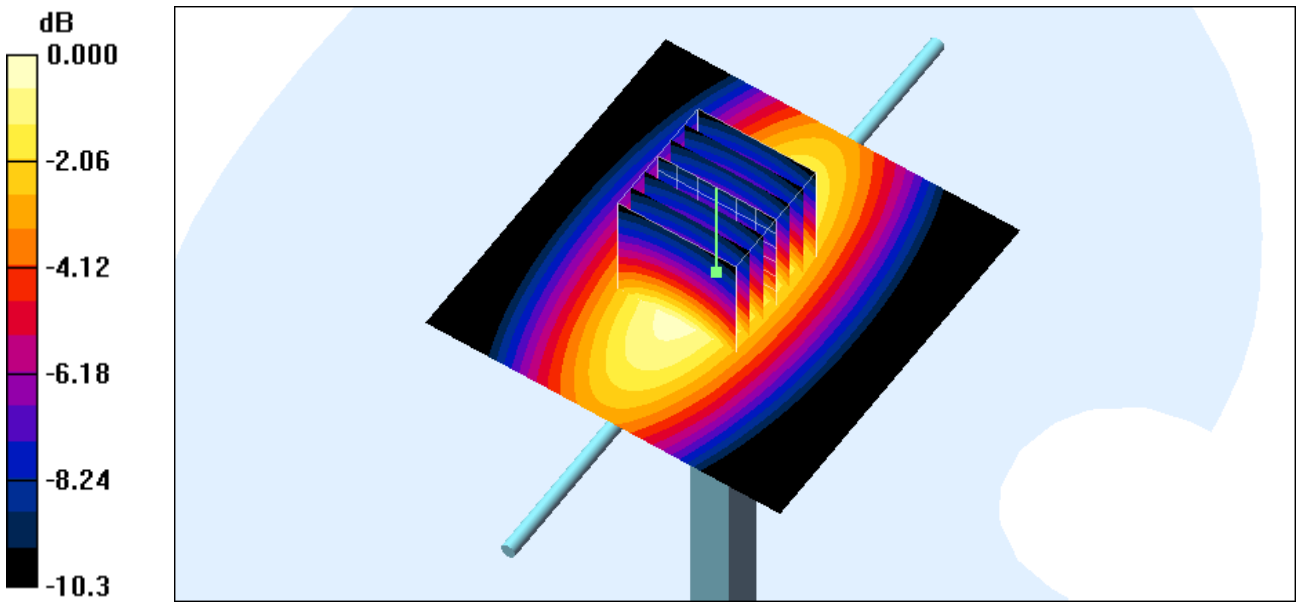
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_100520 Medium parameters used: f = 835 MHz; σ = 0.963 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV3 - SN3514; ConvF(9.75, 9.75, 9.75); Calibrated: 2010/1/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = 0.017 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.968 mW/g; SAR(10 g) = 0.630 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

System Check_835MHz_100606

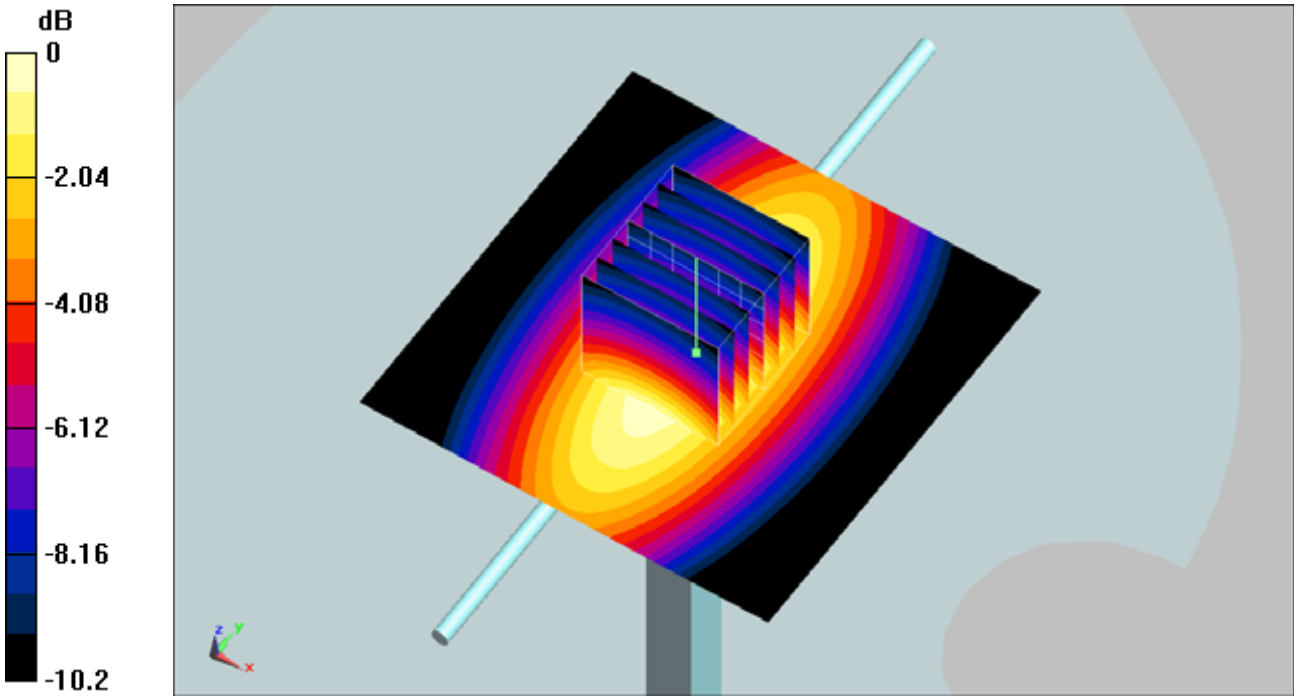
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_100606 Medium parameters used: f = 835 MHz; σ = 0.994 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.08, 6.08, 6.08); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- Phantom: SAM - Front; Type: SAM; Serial: TP-1446
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.998 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = -0.018 dB
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.607 mW/g
Maximum value of SAR (measured) = 1 mW/g



0 dB = 1mW/g

System Check_1900MHz_100531

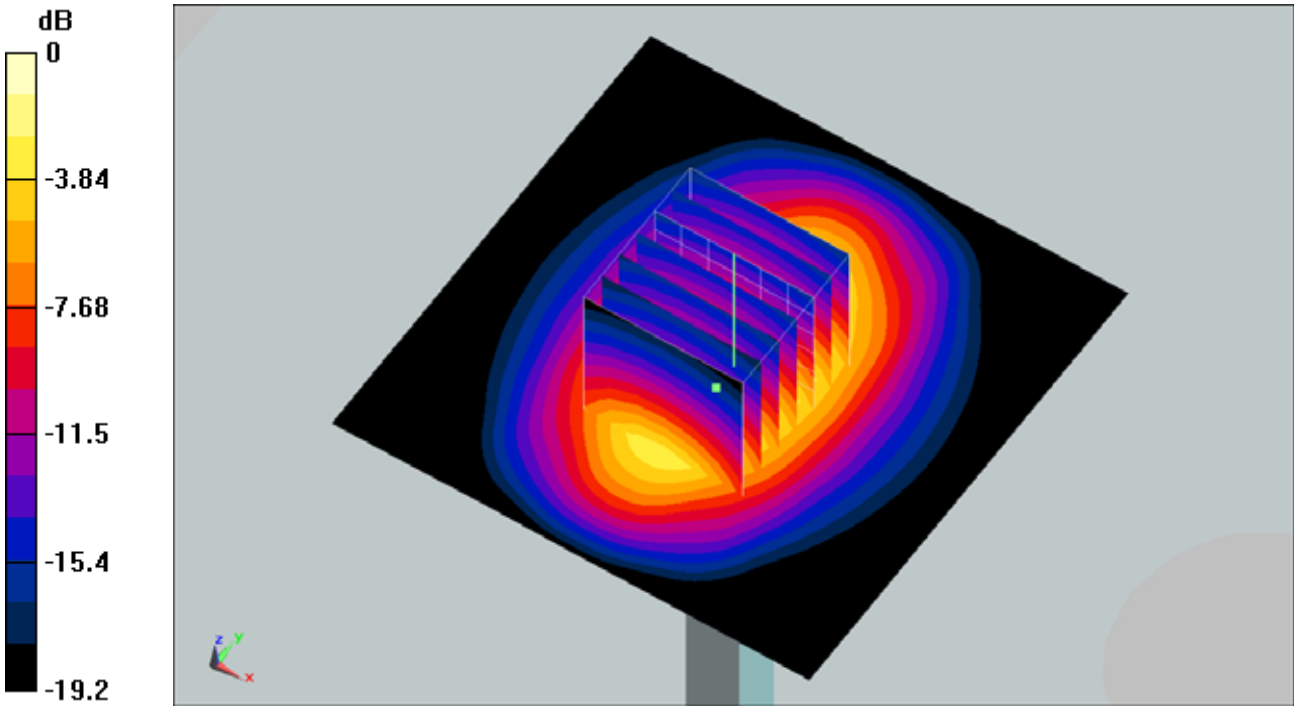
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_10531 Medium parameters used: f = 1900 MHz; σ = 1.43 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.2 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(5.11, 5.11, 5.11); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.56 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.5 V/m; Power Drift = 0.0025 dB
Peak SAR (extrapolated) = 6.73 W/kg
SAR(1 g) = 3.83 mW/g; SAR(10 g) = 1.99 mW/g
Maximum value of SAR (measured) = 4.36 mW/g



0 dB = 4.36mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/6/6

System Check_1900MHz_100606

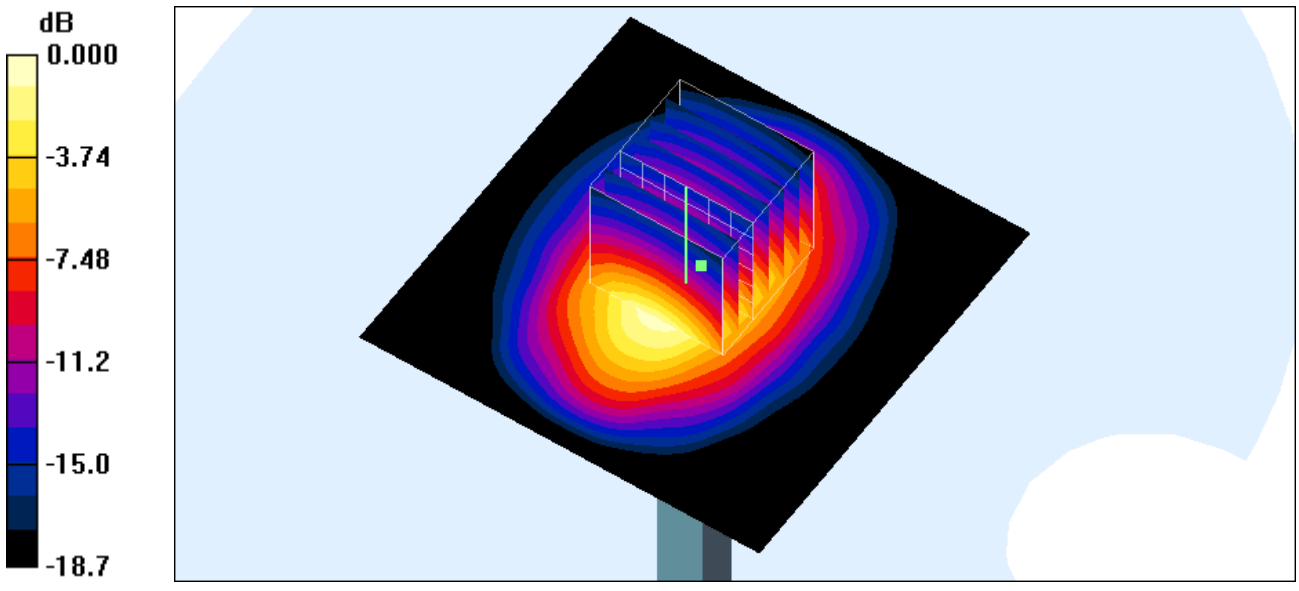
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: HSL_1900_100606 Medium parameters used: f = 1900 MHz; σ = 1.44 mho/m; ε_r = 38.7; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV3 - SN3514; ConvF(8.26, 8.26, 8.26); Calibrated: 2010/1/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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

Pin=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.66 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.2 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 7.80 W/kg
SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 4.50 mW/g



0 dB = 4.50mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2010/5/21

System Check_1900MHz_100521

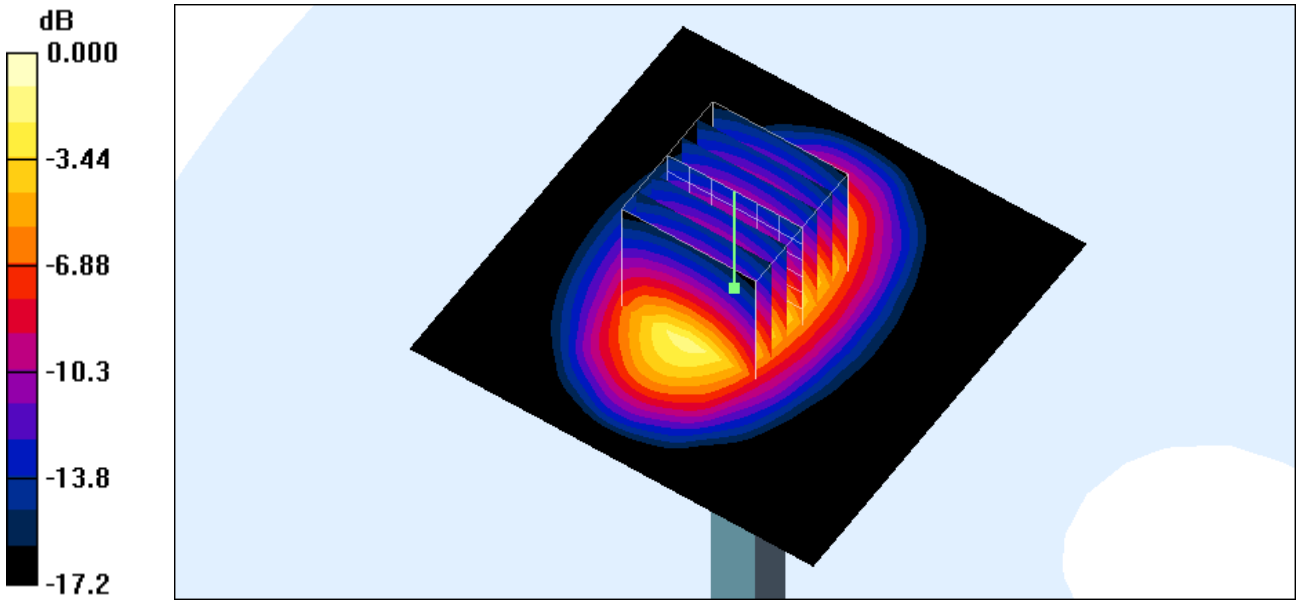
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_100521 Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 51.9; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV3 - SN3514; ConvF(8.01, 8.01, 8.01); Calibrated: 2010/1/26
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2009/8/24
- 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=100mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 4.64 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.8 V/m; Power Drift = 0.122 dB
Peak SAR (extrapolated) = 7.49 W/kg
SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.08 mW/g
Maximum value of SAR (measured) = 4.54 mW/g



0 dB = 4.54mW/g

System Check_1900MHz_100606

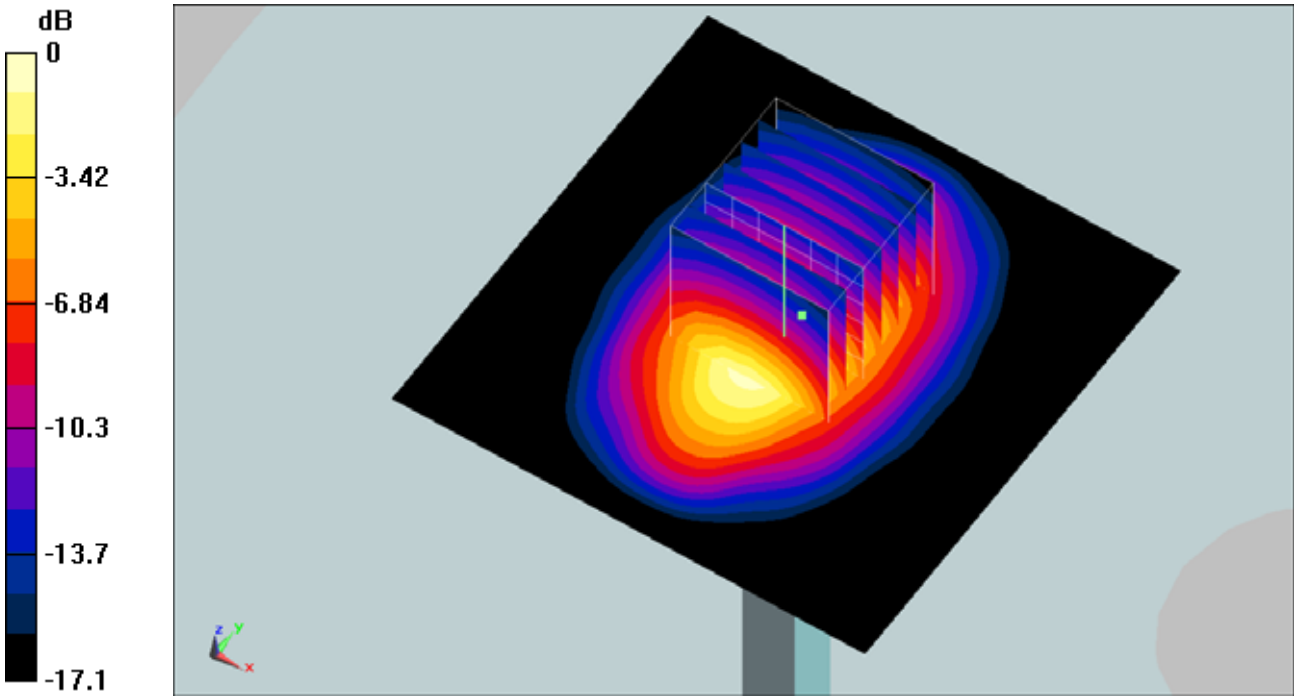
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_100606 Medium parameters used: f = 1900 MHz; σ = 1.53 mho/m; ε_r = 51.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.6 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(4.52, 4.52, 4.52); Calibrated: 2009/9/23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2009/9/18
- 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=100mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 4.55 mW/g

Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 59.9 V/m; Power Drift = 0.000559 dB
Peak SAR (extrapolated) = 5.91 W/kg
SAR(1 g) = 3.9 mW/g; SAR(10 g) = 2.12 mW/g
Maximum value of SAR (measured) = 4.47 mW/g



0 dB = 4.47mW/g