Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/16

System Check_Body_750MHz_111116

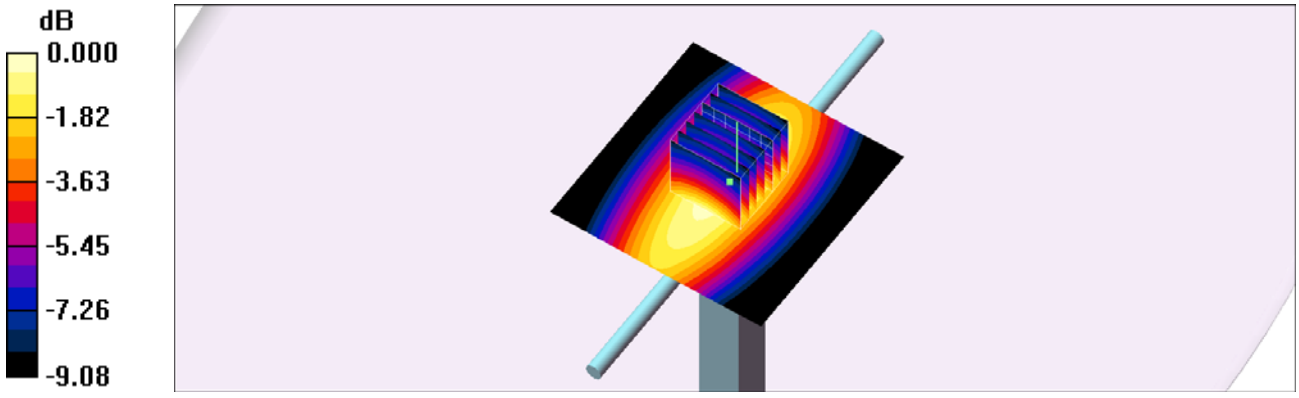
DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_111116 Medium parameters used: f = 750 MHz; σ = 0.964 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D750V3 - SN1012; Calibrated: 2010/6/11

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.42 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 50.1 V/m; Power Drift = -0.063 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.51 mW/g
Maximum value of SAR (measured) = 2.42 mW/g



0 dB = 2.42mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/17

System Check_Body_750MHz_111117

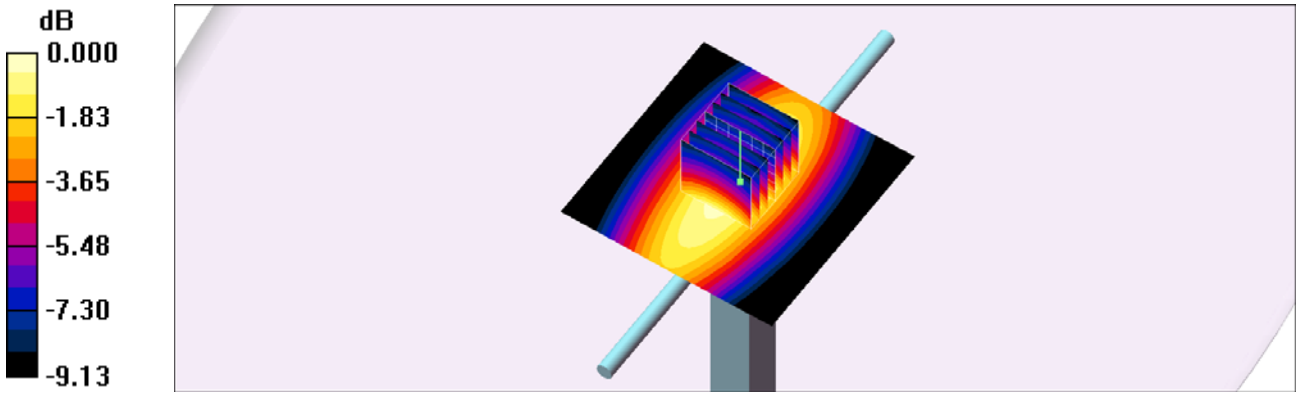
DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 750 MHz; σ = 0.961 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D750V3 - SN1012; Calibrated: 2010/6/11

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.35 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 49.6 V/m; Power Drift = -0.091 dB
Peak SAR (extrapolated) = 3.24 W/kg
SAR(1 g) = 2.2 mW/g; SAR(10 g) = 1.47 mW/g
Maximum value of SAR (measured) = 2.37 mW/g



0 dB = 2.37mW/g

System Check_Body_750MHz_111207

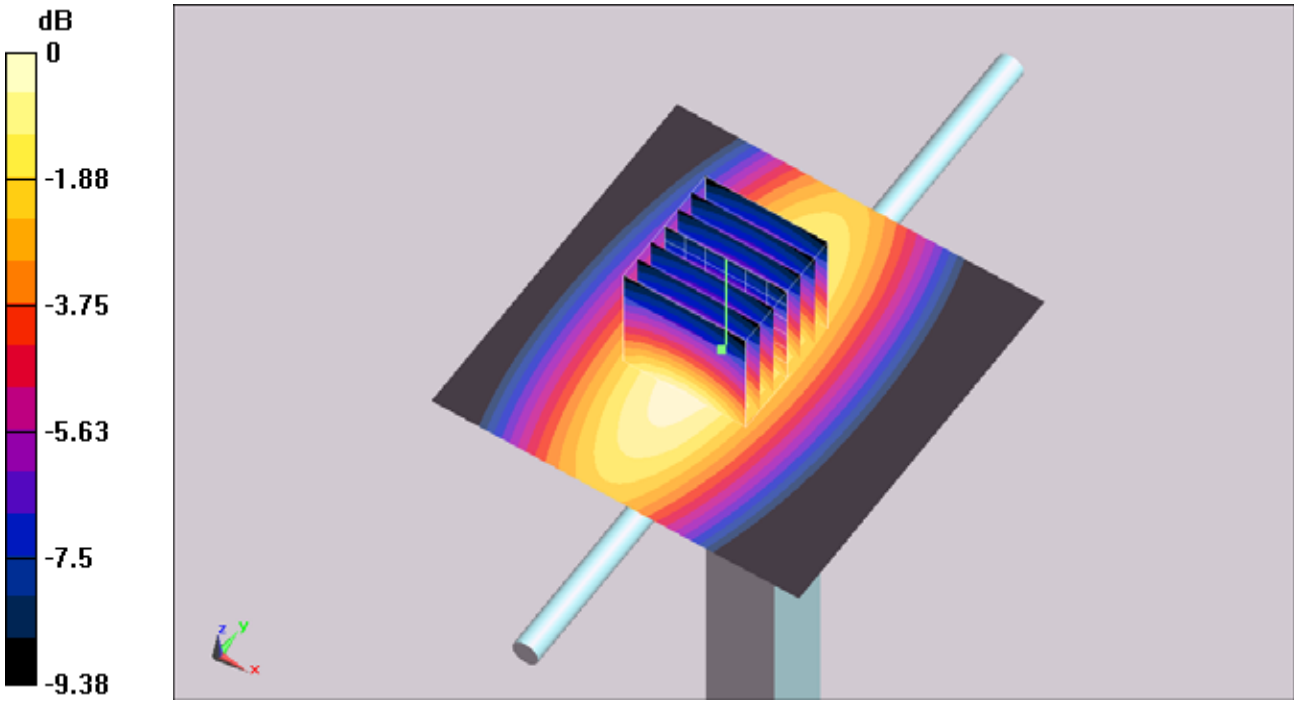
DUT: Dipole 750 MHz

Communication System: CW; Frequency: 750 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 750.076 MHz; σ = 0.922 mho/m; ε_r = 56.1; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131; SEMCAD X Version 13.4 Build 125
- Dipole: D750V3 - SN1012; Calibrated: 2010/6/11

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.25 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 51.1 V/m; Power Drift = 0.102 dB
Peak SAR (extrapolated) = 2.85 W/kg
SAR(1 g) = 2.09 mW/g; SAR(10 g) = 1.42 mW/g
Maximum value of SAR (measured) = 2.26 mW/g



0 dB = 2.26mW/g

System Check_Body_835MHz_111107

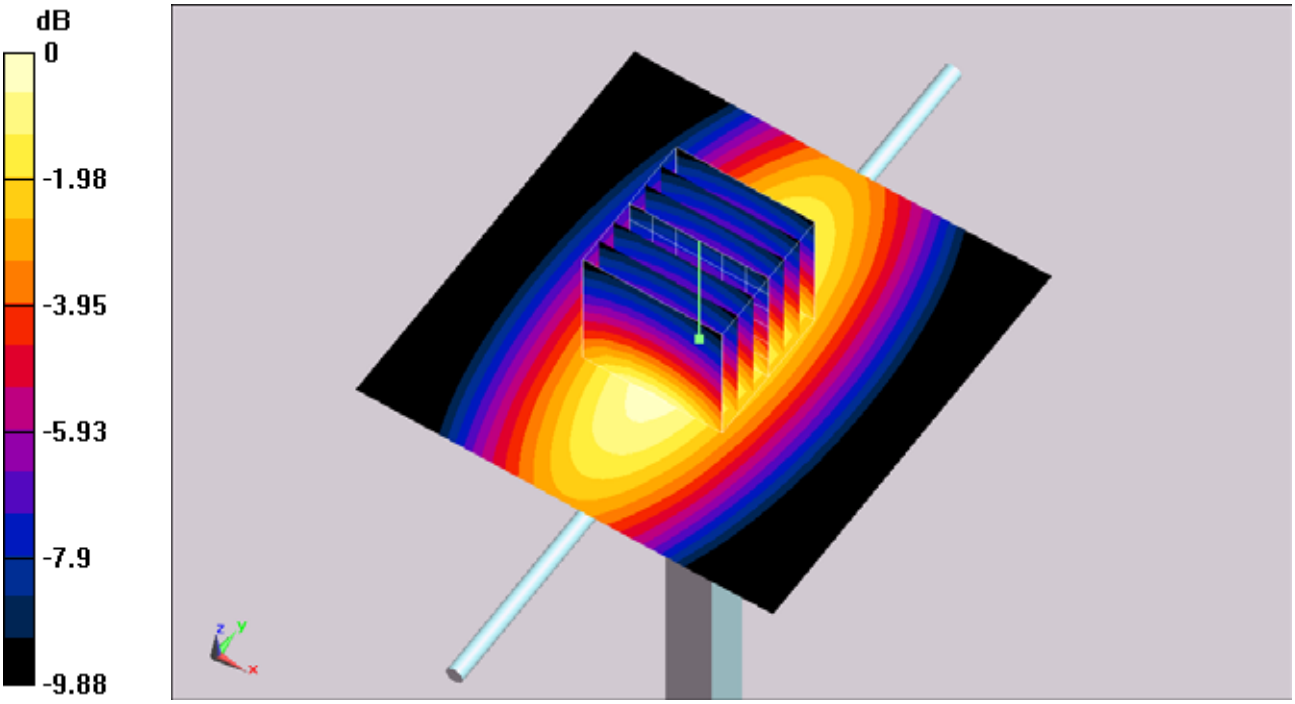
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_111107 Medium parameters used: f = 835 MHz; σ = 0.962 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029; SEMCAD X Version 13.4 Build 125
- Dipole: D835V2 - SN499; Calibrated: 2010/5/22

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.62 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.6 V/m; Power Drift = -0.043 dB
Peak SAR (extrapolated) = 3.34 W/kg
SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.61 mW/g
Maximum value of SAR (measured) = 2.62 mW/g



0 dB = 2.62mW/g

System Check_Body_835MHz_111112

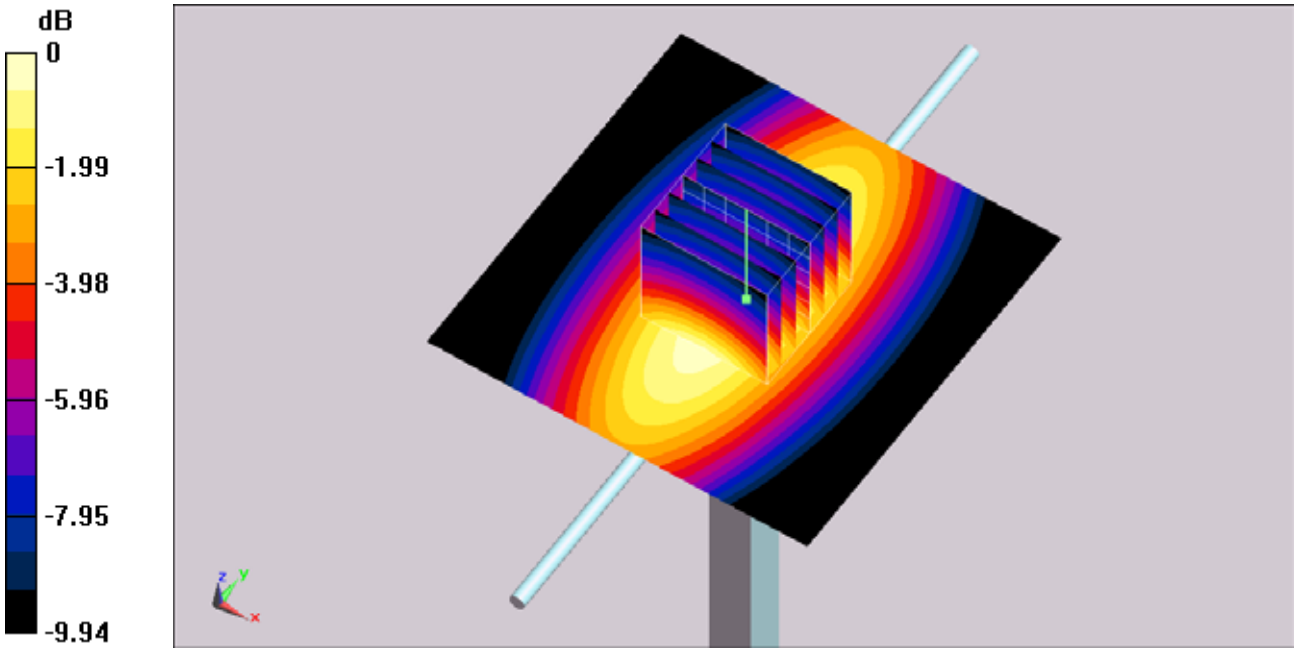
DUT: Dipole 835 MHz

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 835 MHz; σ = 0.963 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029; SEMCAD X Version 13.4 Build 125
- Dipole: D835V2 - SN499; Calibrated: 2010/5/22

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.62 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.4 V/m; Power Drift = -0.019 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.62 mW/g
Maximum value of SAR (measured) = 2.62 mW/g



0 dB = 2.62mW/g

System Check_Body_1900MHz_111111

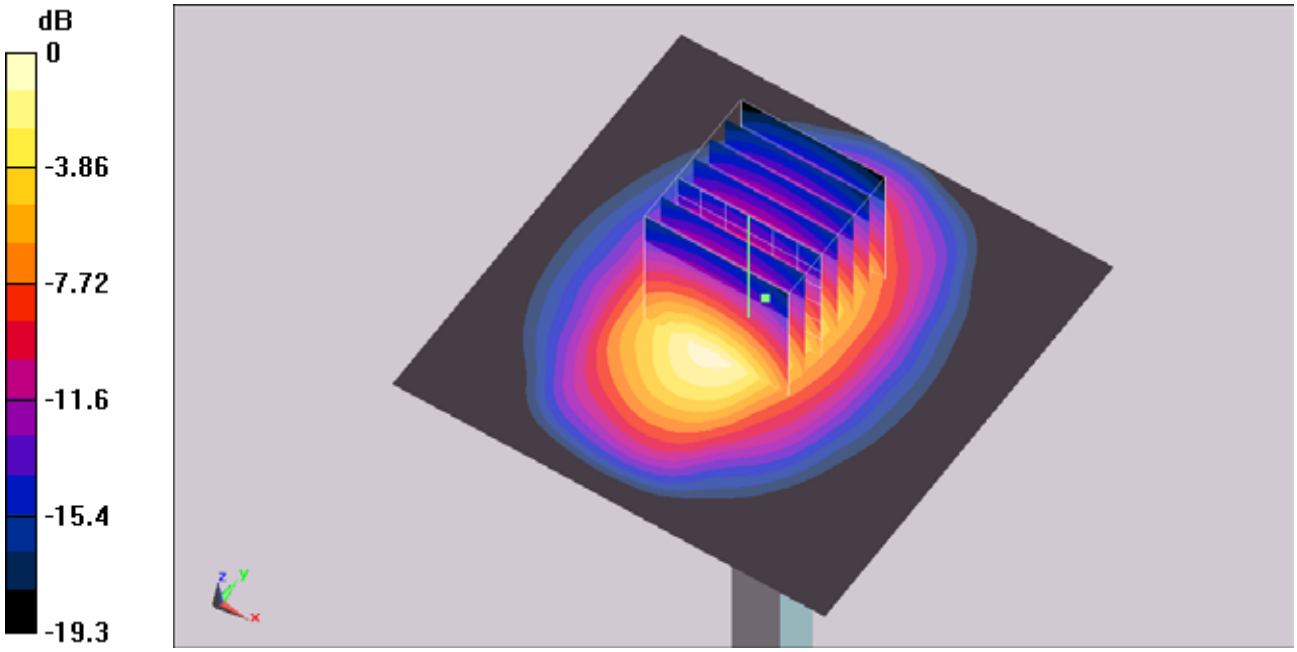
DUT: Dipole 1900 MHz

Communication System: CW; Frequency: 1900 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1900 MHz; σ = 1.55 mho/m; ε_r = 53; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029; SEMCAD X Version 13.4 Build 125
- Dipole: D1900V2 - SN5d041; Calibrated: 2010/5/23

Pin=250mW/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
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 = 87.7 V/m; Power Drift = 0.177 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 9.57 mW/g; SAR(10 g) = 4.94 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: 2011/12/26

System Check_Body_2450MHz_111226

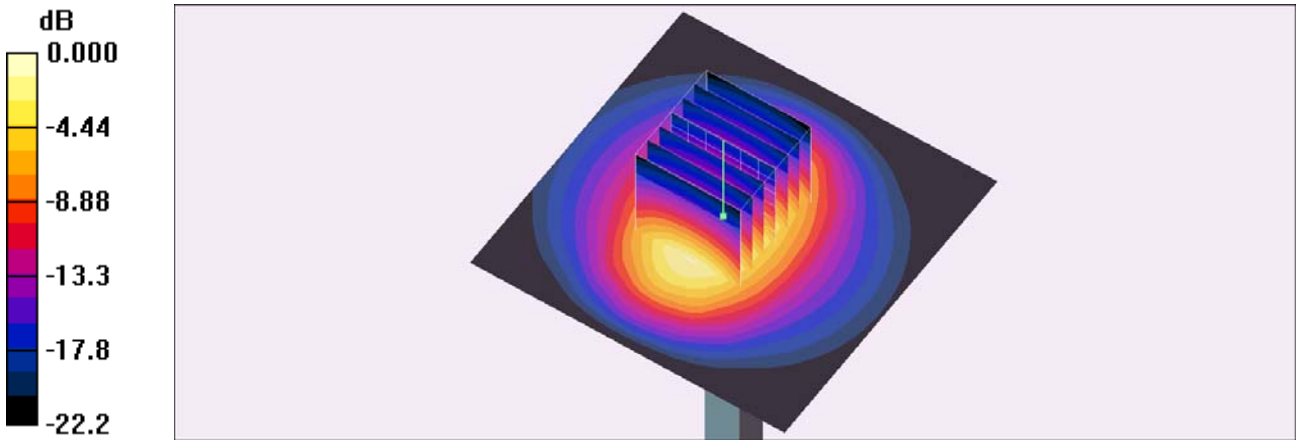
DUT: Dipole 2450 MHz

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2450 MHz; σ = 2.01 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D2450V2 - SN736; Calibrated: 2011/7/25

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 15.6 mW/g

Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.4 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 30.2 W/kg
SAR(1 g) = 13.8 mW/g; SAR(10 g) = 6.55 mW/g
Maximum value of SAR (measured) = 15.3 mW/g



0 dB = 15.3mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/22

System Check_Body_5200MHz_111122

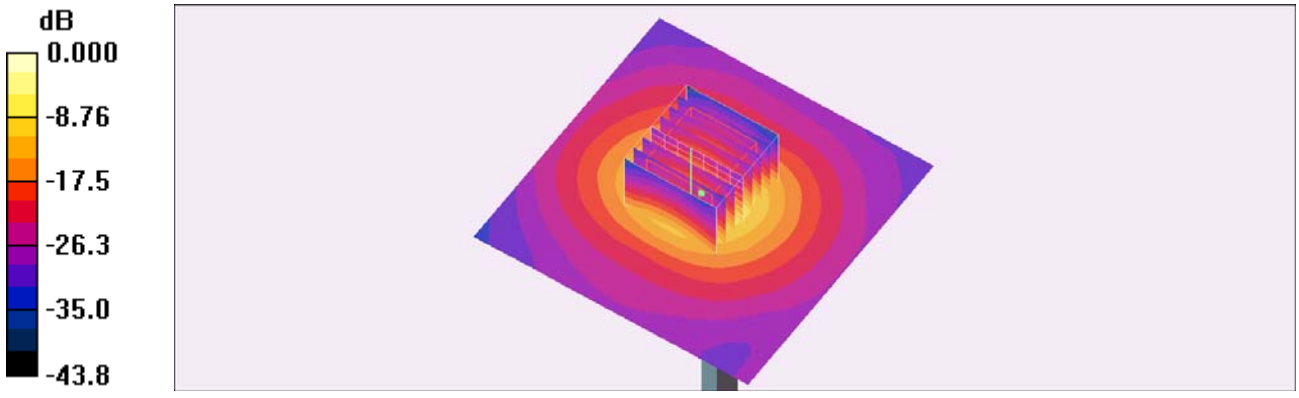
DUT: Dipole 5GHz

Communication System: CW; Frequency: 5200 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used: f = 5200 MHz; σ = 5.16 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 32.1 mW/g

Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 80.6 V/m; Power Drift = 0.187 dB
Peak SAR (extrapolated) = 60.3 W/kg
SAR(1 g) = 18.5 mW/g; SAR(10 g) = 5.27 mW/g
Maximum value of SAR (measured) = 31.5 mW/g



0 dB = 31.5mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/22

System Check_Body_5500MHz_111122

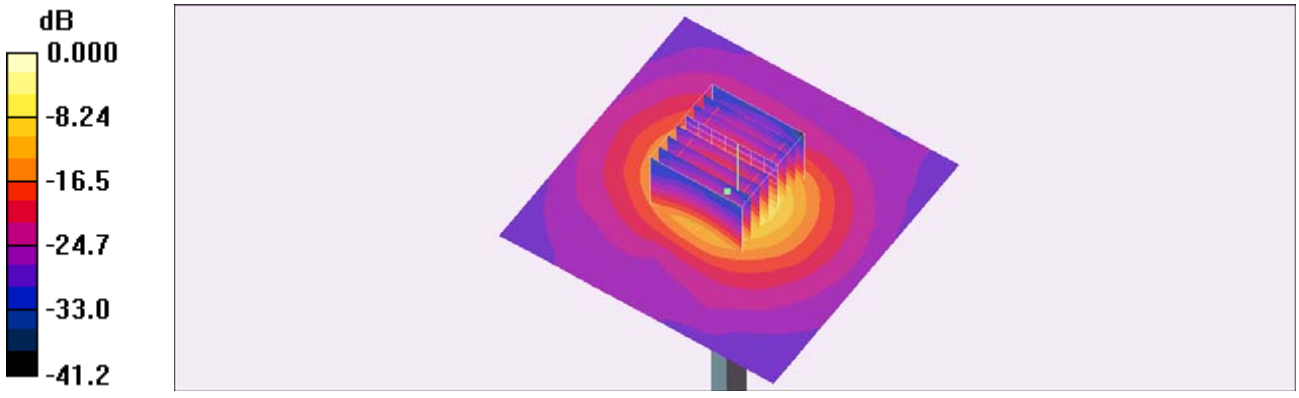
DUT: Dipole 5GHz

Communication System: CW; Frequency: 5500 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used: f = 5500 MHz; σ = 5.74 mho/m; ε_r = 48.6; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 38.2 mW/g

Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 83.2 V/m; Power Drift = 0.085 dB
Peak SAR (extrapolated) = 62.0 W/kg
SAR(1 g) = 19.6 mW/g; SAR(10 g) = 5.58 mW/g
Maximum value of SAR (measured) = 34.7 mW/g



0 dB = 34.7mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/22

System Check_Body_5800MHz_111122

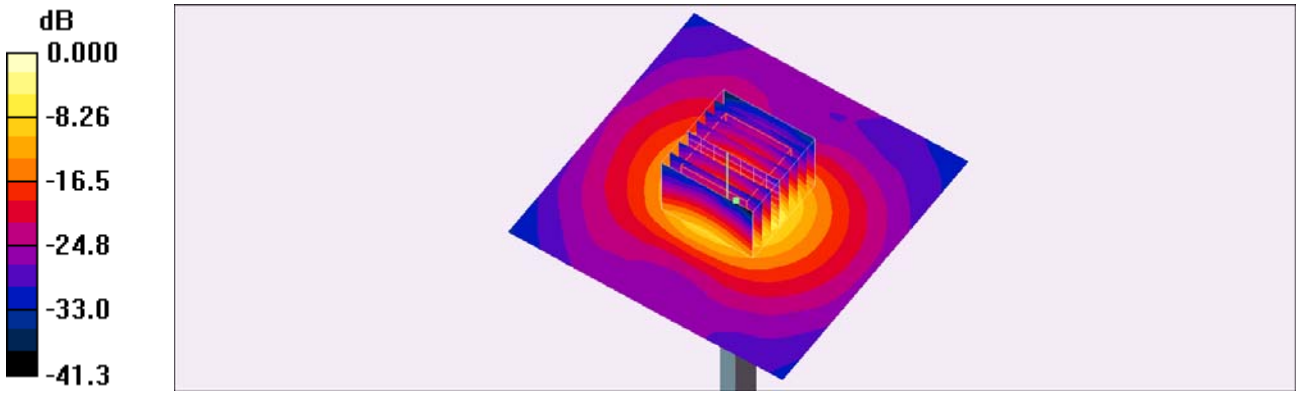
DUT: Dipole 5GHz

Communication System: CW; Frequency: 5800 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used: f = 5800 MHz; σ = 6.13 mho/m; ε_r = 47.8; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186
- Dipole: D5GHzV2 - SN1040; Calibrated: 2011/6/21

Pin=250mW/Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 33.7 mW/g

Pin=250mW/Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm
Reference Value = 81.0 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 53.6 W/kg
SAR(1 g) = 18.6 mW/g; SAR(10 g) = 5.39 mW/g
Maximum value of SAR (measured) = 31.4 mW/g



0 dB = 31.4mW/g

#04 CDMA2000 BC0_RTAP153.6_Bottom Face_0cm_Ch777_Earphone

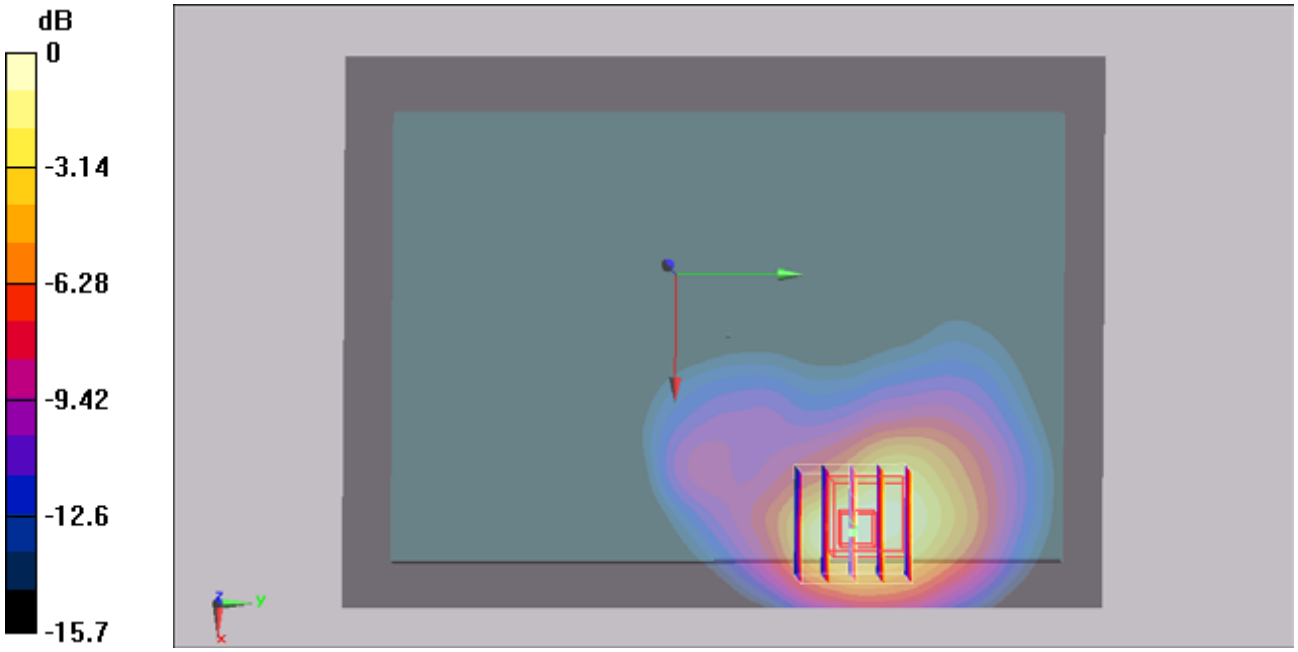
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.37 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.7 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 2.68 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

#04 CDMA2000 BC0_RTAP153.6_Bottom Face_0cm_Ch777_Earphone_2D

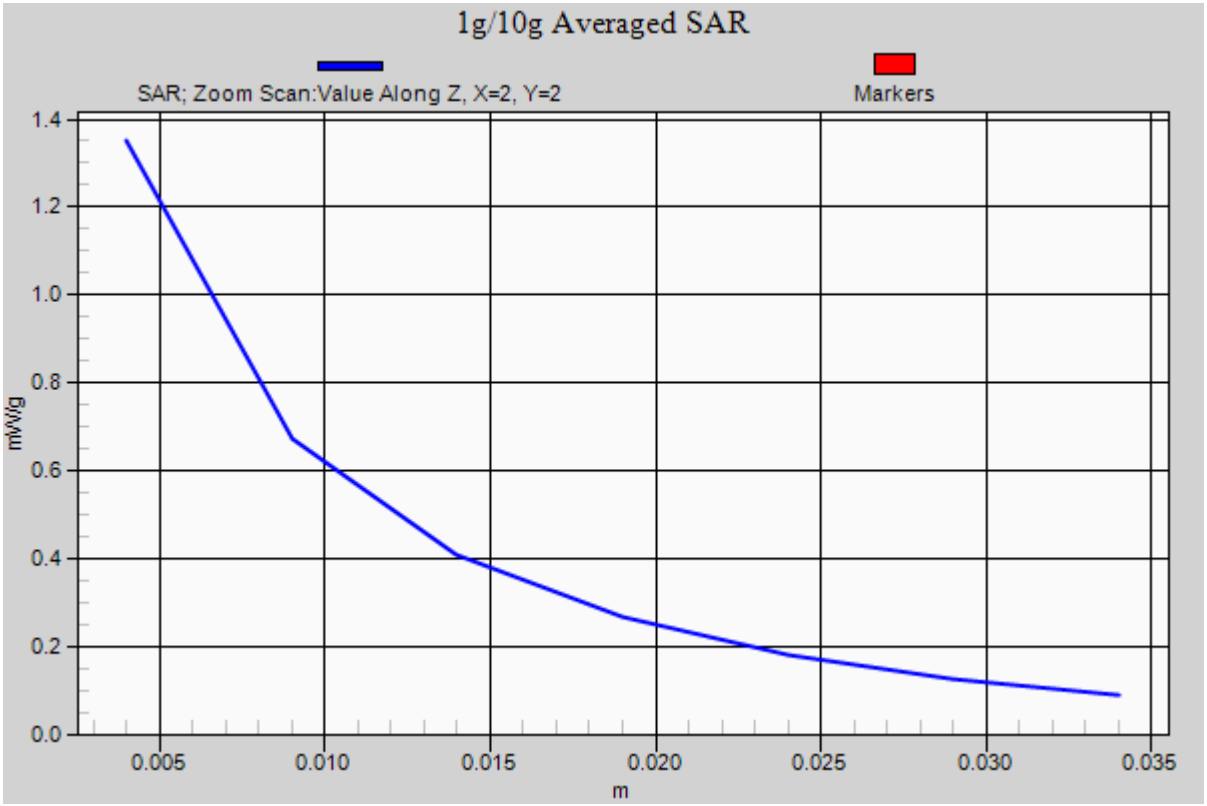
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.37 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.7 V/m; Power Drift = 0.050 dB
Peak SAR (extrapolated) = 2.68 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.625 mW/g
Maximum value of SAR (measured) = 1.35 mW/g


1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
Markers
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#05 CDMA2000 BC0_RTAP153.6_Secondary Landscape_0cm_Ch777

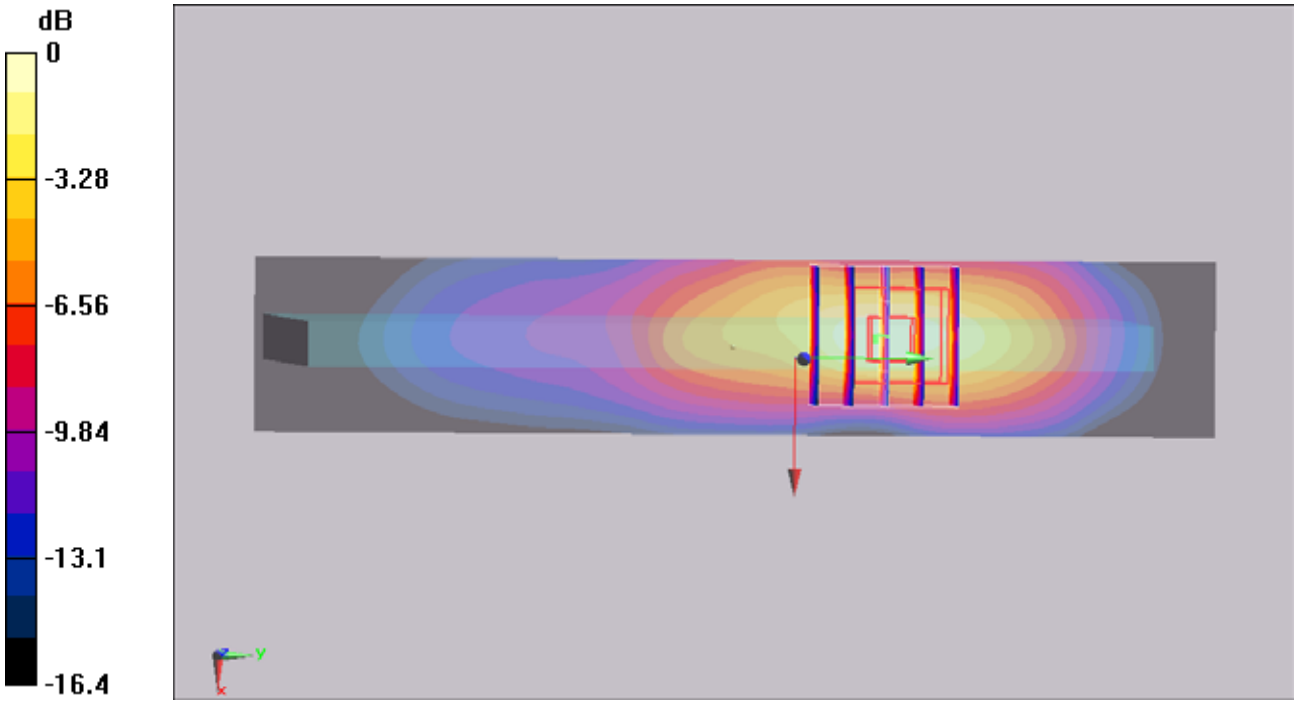
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111107 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.862 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = 0.145 dB
Peak SAR (extrapolated) = 1.6 W/kg
SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.365 mW/g
Maximum value of SAR (measured) = 0.874 mW/g



0 dB = 0.874mW/g

#06 CDMA2000 BC0_RTAP153.6_Primary Portrait_0cm_Ch777_Earphone

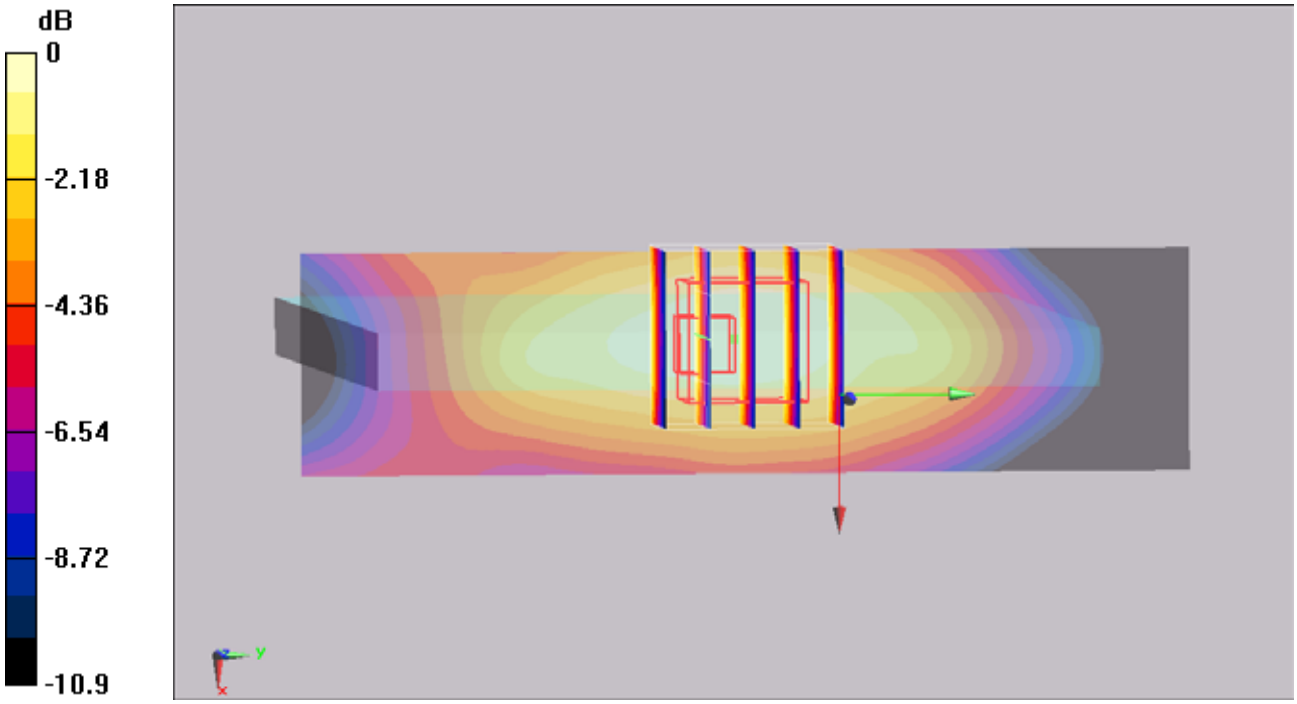
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111107 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (21x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.040 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.54 V/m; Power Drift = 0.048 dB
Peak SAR (extrapolated) = 0.057 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.024 mW/g
Maximum value of SAR (measured) = 0.040 mW/g



0 dB = 0.040mW/g

#07 CDMA2000 BC0_RTAP153.6_Bottom Face_1cm_Ch777_Earphone

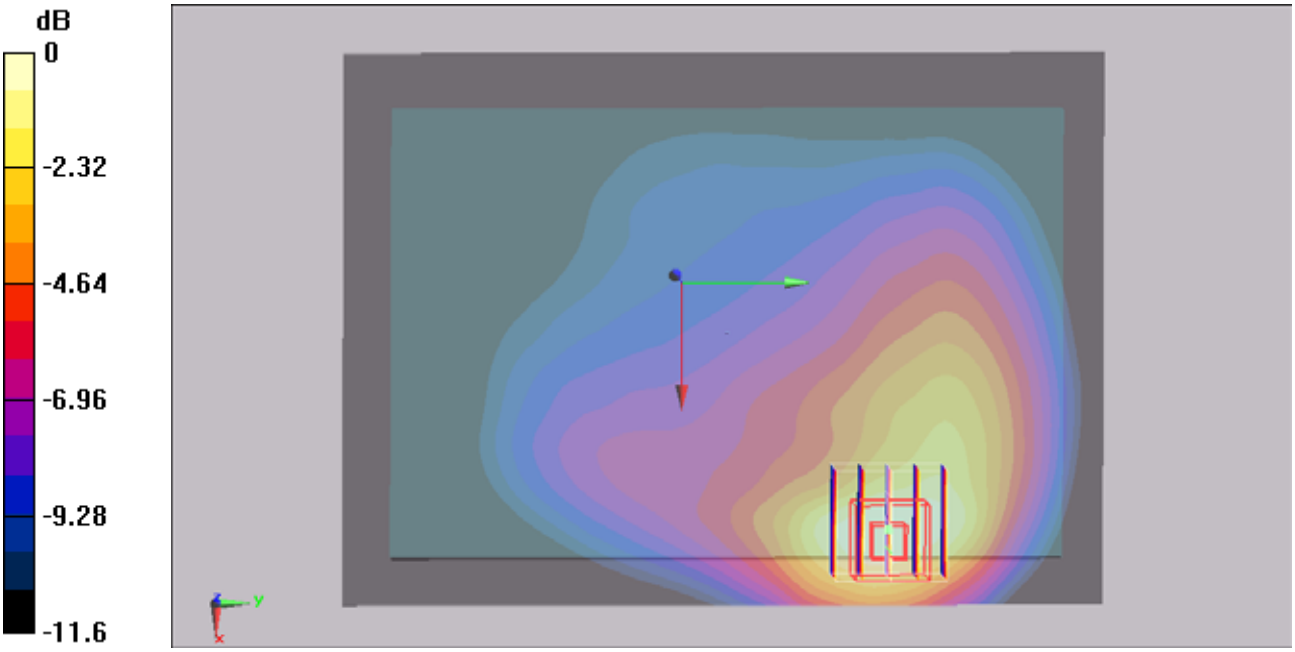
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.746 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.1 V/m; Power Drift = -0.126 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.410 mW/g
Maximum value of SAR (measured) = 0.700 mW/g



0 dB = 0.700mW/g

#08 CDMA2000 BC0_RTAP153.6_Secondary Landscape_0.75cm_Ch777

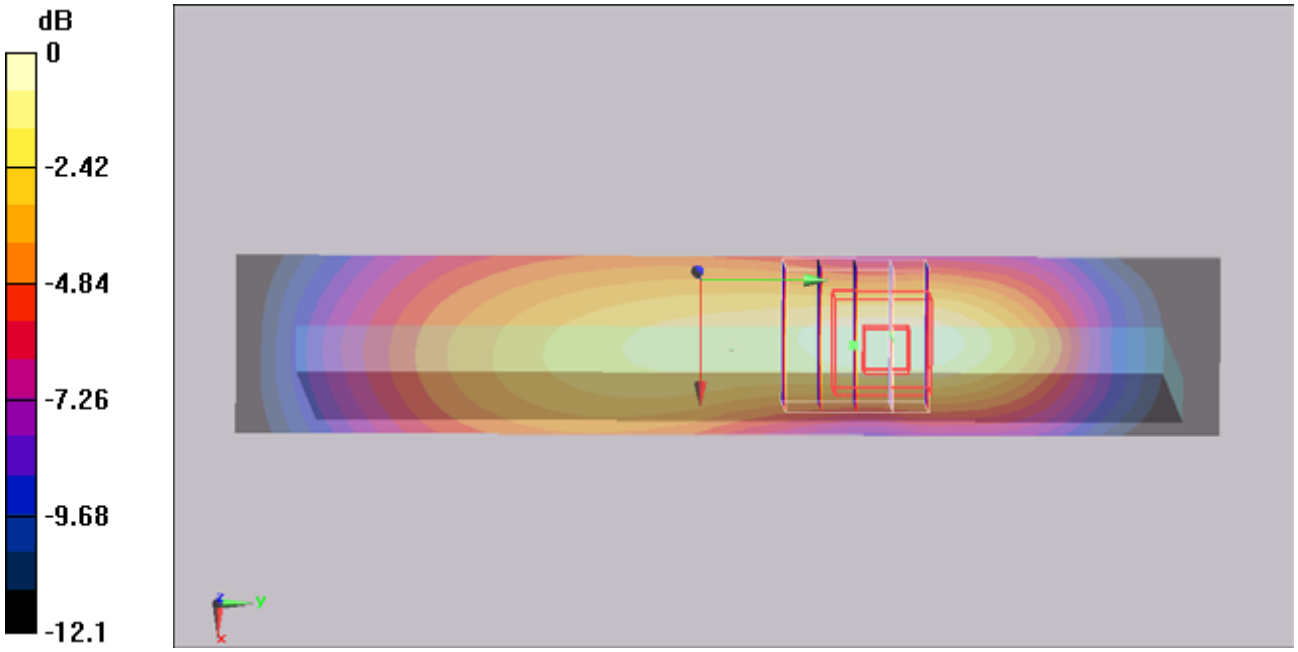
DUT: 1O2838

Communication System: CDMA ; Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 848.31 MHz; σ = 0.975 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch777/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.459 mW/g

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.9 V/m; Power Drift = 0.096 dB
Peak SAR (extrapolated) = 0.649 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 0.443 mW/g



0 dB = 0.443mW/g

#20 CDMA2000 BC0_RTAP153.6_Bottom Face_0cm_Ch1013_Earphone

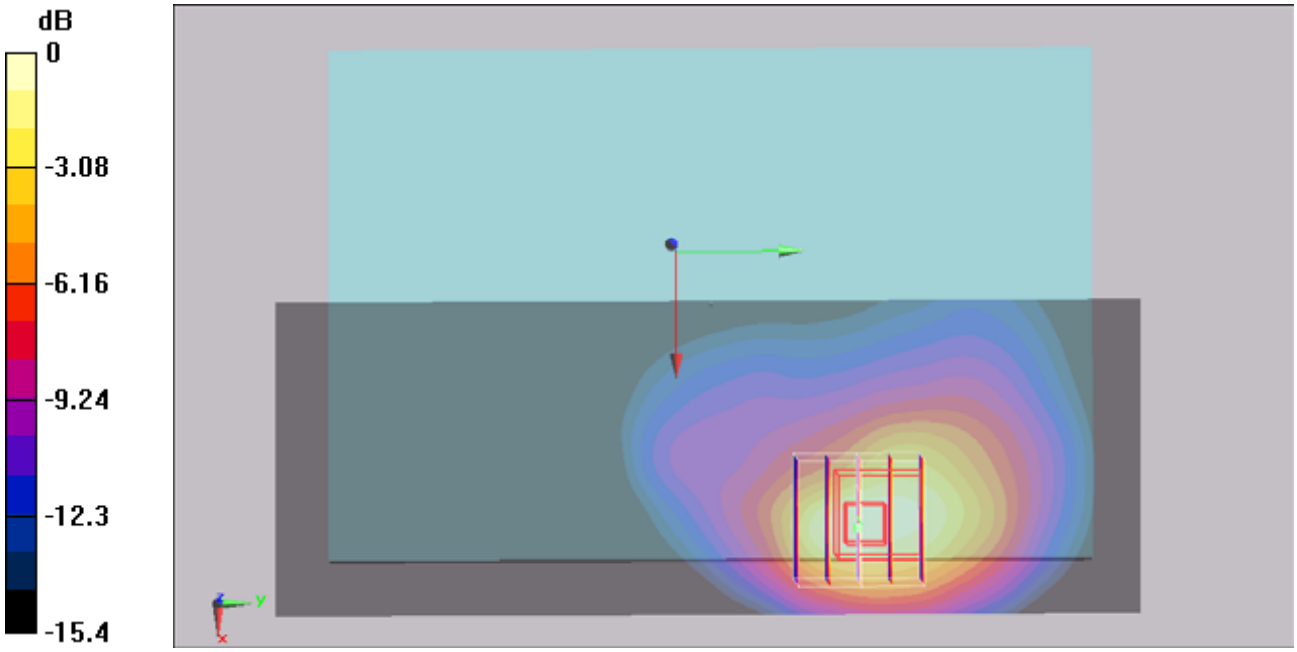
DUT: 1O2838

Communication System: CDMA ; Frequency: 824.7 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 825 MHz; σ = 0.953 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1013/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.09 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.07 V/m; Power Drift = -0.194 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.506 mW/g
Maximum value of SAR (measured) = 1.1 mW/g



0 dB = 1.1mW/g

#21 CDMA2000 BC0_RTAP153.6_Bottom Face_0cm_Ch384_Earphone

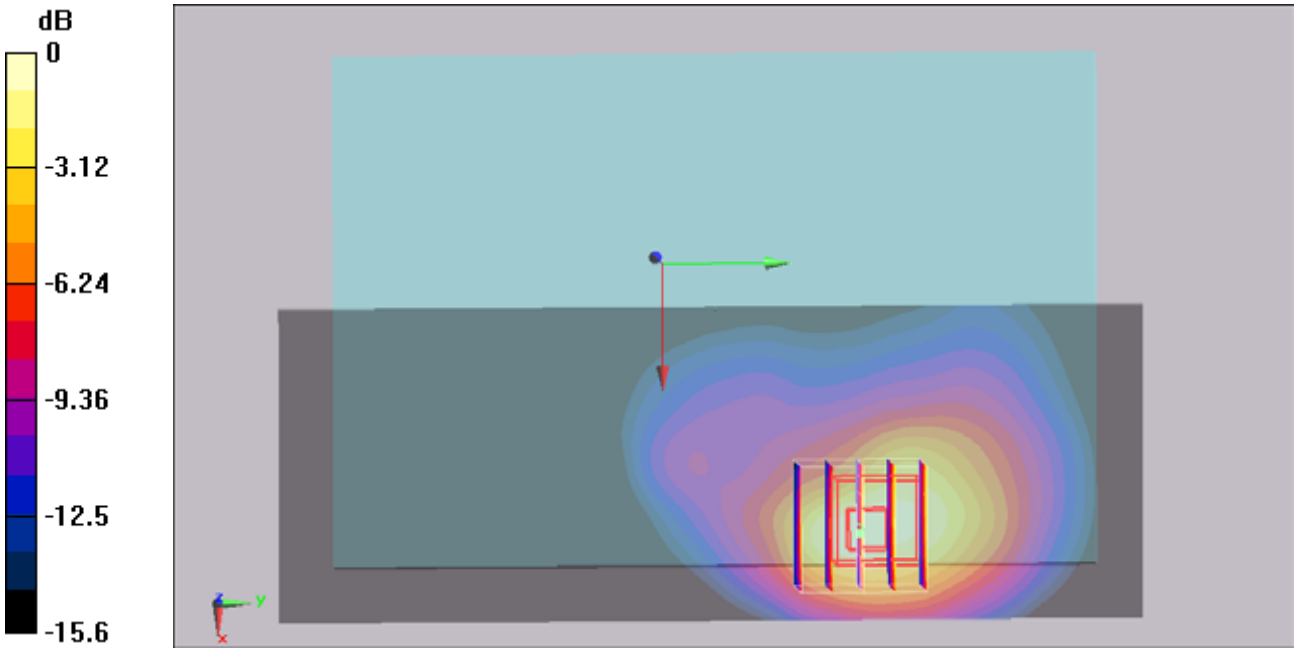
DUT: 1O2838

Communication System: CDMA ; Frequency: 836.52 MHz;Duty Cycle: 1:1
Medium: MSL_850_111112 Medium parameters used: f = 837 MHz; σ = 0.965 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1788; ConvF(6.24, 6.24, 6.24); Calibrated: 2011/9/28
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch384/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.33 mW/g

Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.63 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 2.45 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.607 mW/g
Maximum value of SAR (measured) = 1.32 mW/g



0 dB = 1.32mW/g

#09 CDMA2000 BC1_RTAP153.6_Bottom Face_0cm_Ch1175_Earphone

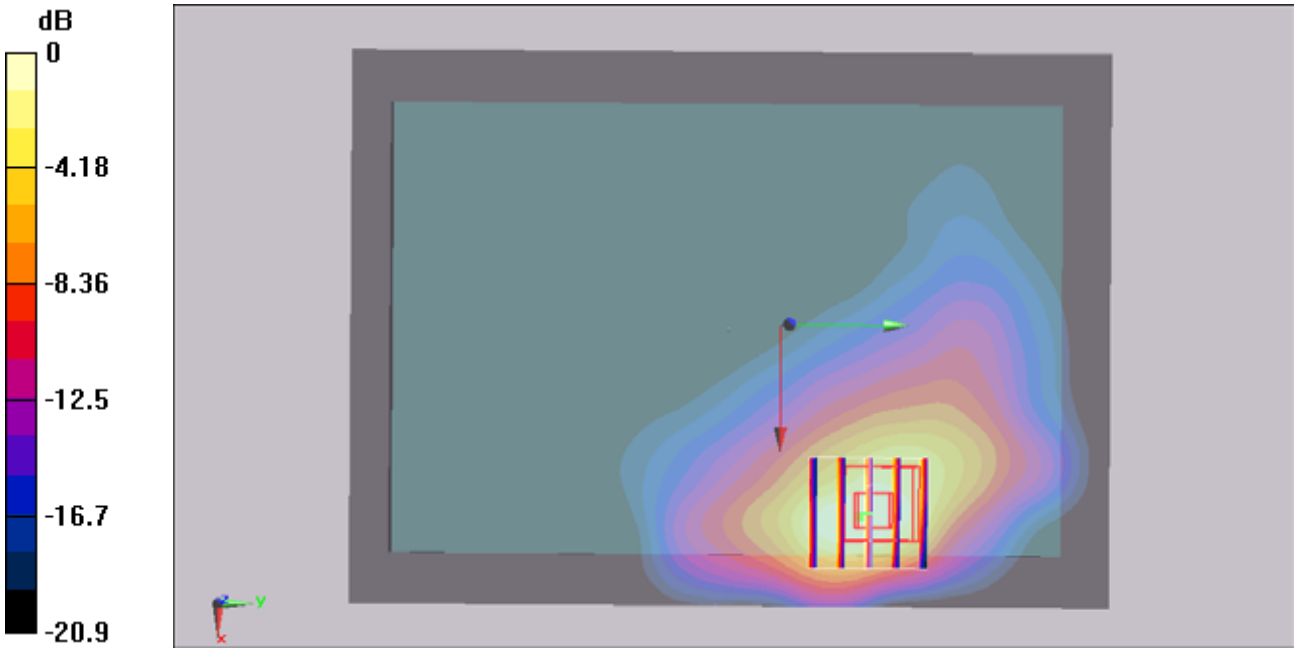
DUT: 1O2838

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1909 MHz; σ = 1.58 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1175/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.62 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.5 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.618 mW/g
Maximum value of SAR (measured) = 1.35 mW/g



0 dB = 1.35mW/g

#10 CDMA2000 BC1_RTAP153.6_Secondary Landscape_0cm_Ch1175

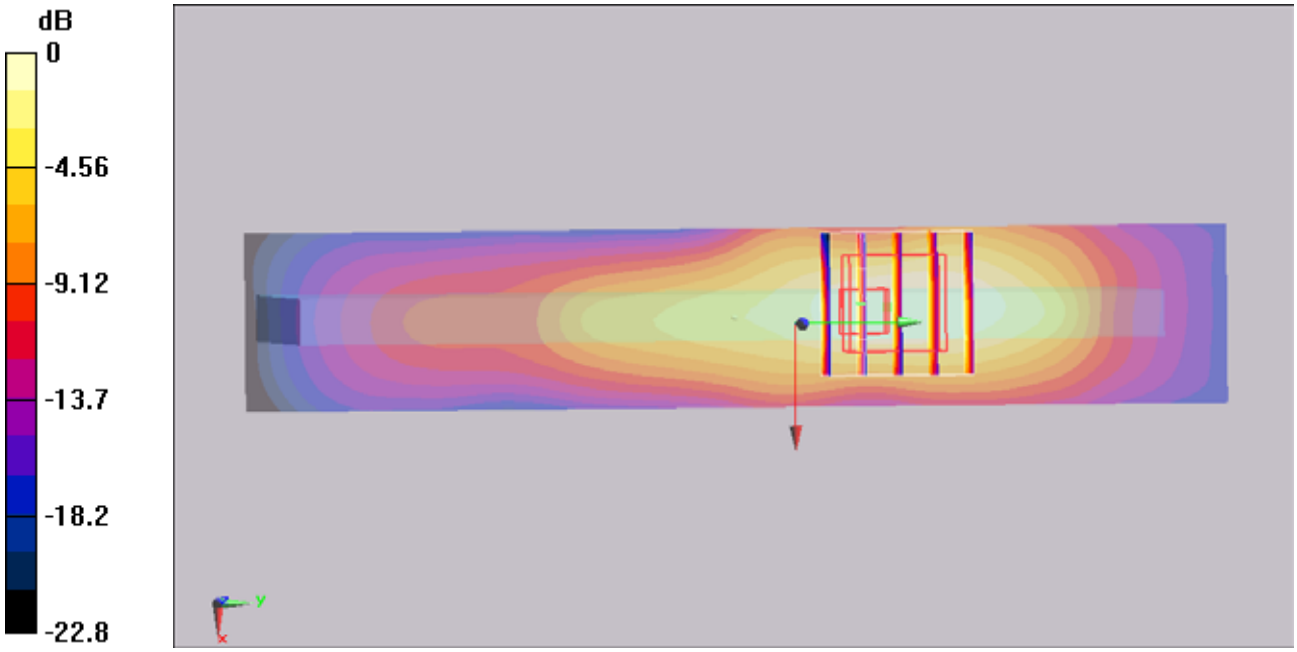
DUT: 1O2838

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1909 MHz; σ = 1.58 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1175/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.913 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = 0.138 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.350 mW/g
Maximum value of SAR (measured) = 0.781 mW/g



0 dB = 0.781mW/g

#11 CDMA2000 BC1_RTAP153.6_Primary Portrait_0cm_Ch1175_Earphone

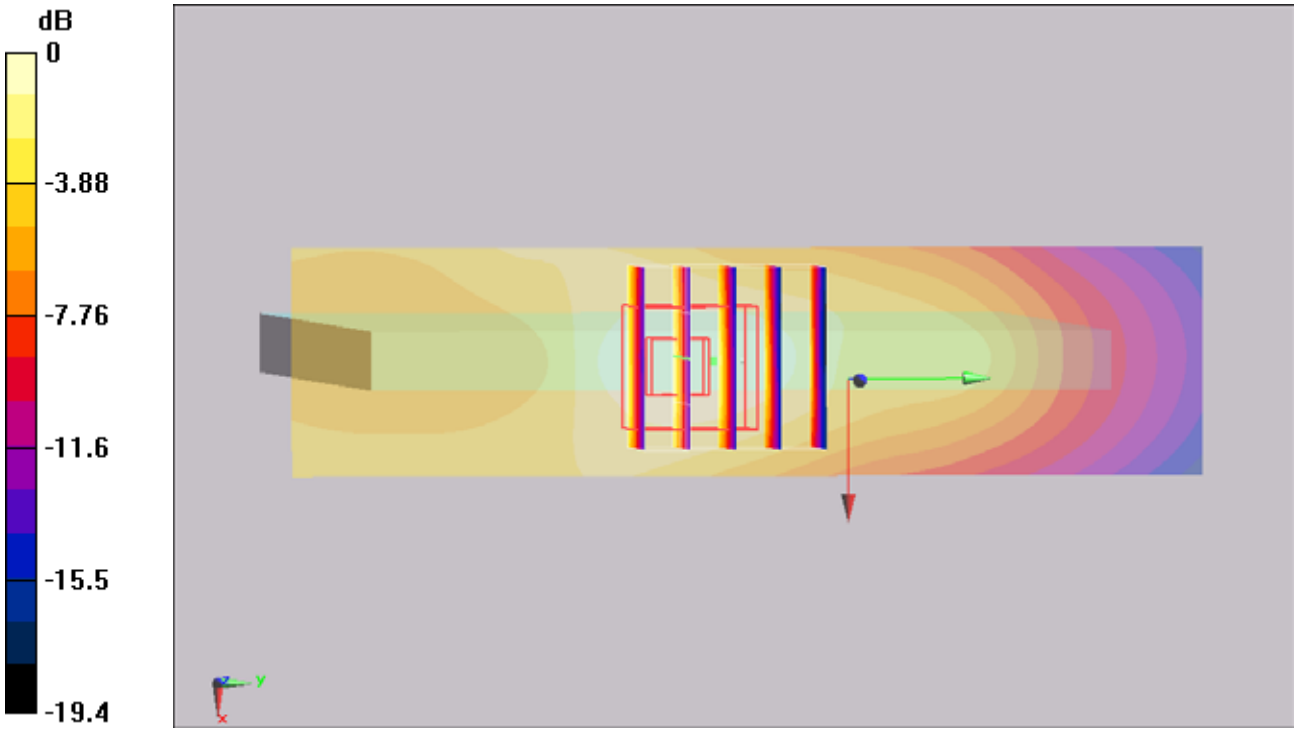
DUT: 1O2838

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1909 MHz; σ = 1.58 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1175/Area Scan (21x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.183 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.5 V/m; Power Drift = -0.109 dB
Peak SAR (extrapolated) = 0.295 W/kg
SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.088 mW/g
Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.182mW/g

#12 CDMA2000 BC1_RTAP153.6_Bottom Face_1cm_Ch1175_Earphone

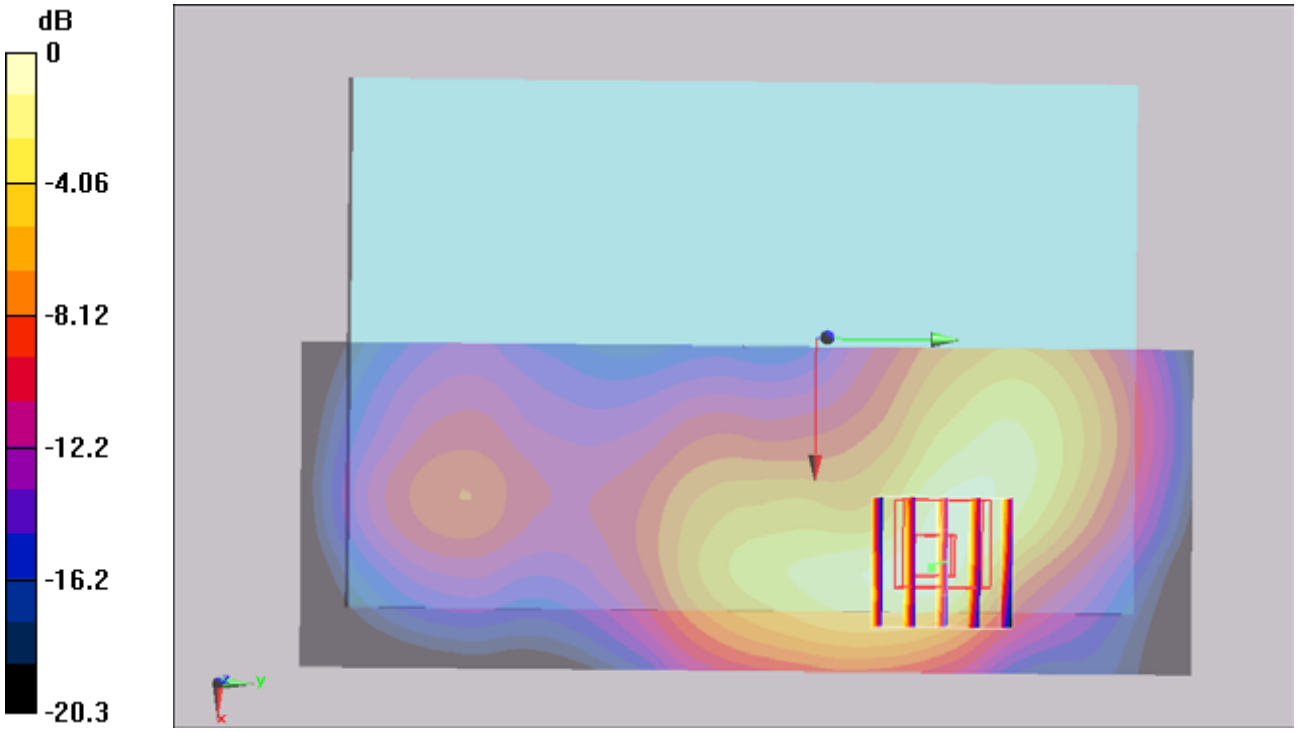
DUT: 1O2838

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1909 MHz; σ = 1.58 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1175/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.39 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.21 V/m; Power Drift = -0.112 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 1.37 mW/g; SAR(10 g) = 0.755 mW/g
Maximum value of SAR (measured) = 1.5 mW/g



0 dB = 1.5mW/g

#13 CDMA2000 BC1_RTAP153.6_Secondary Landscape_0.75cm_Ch1175

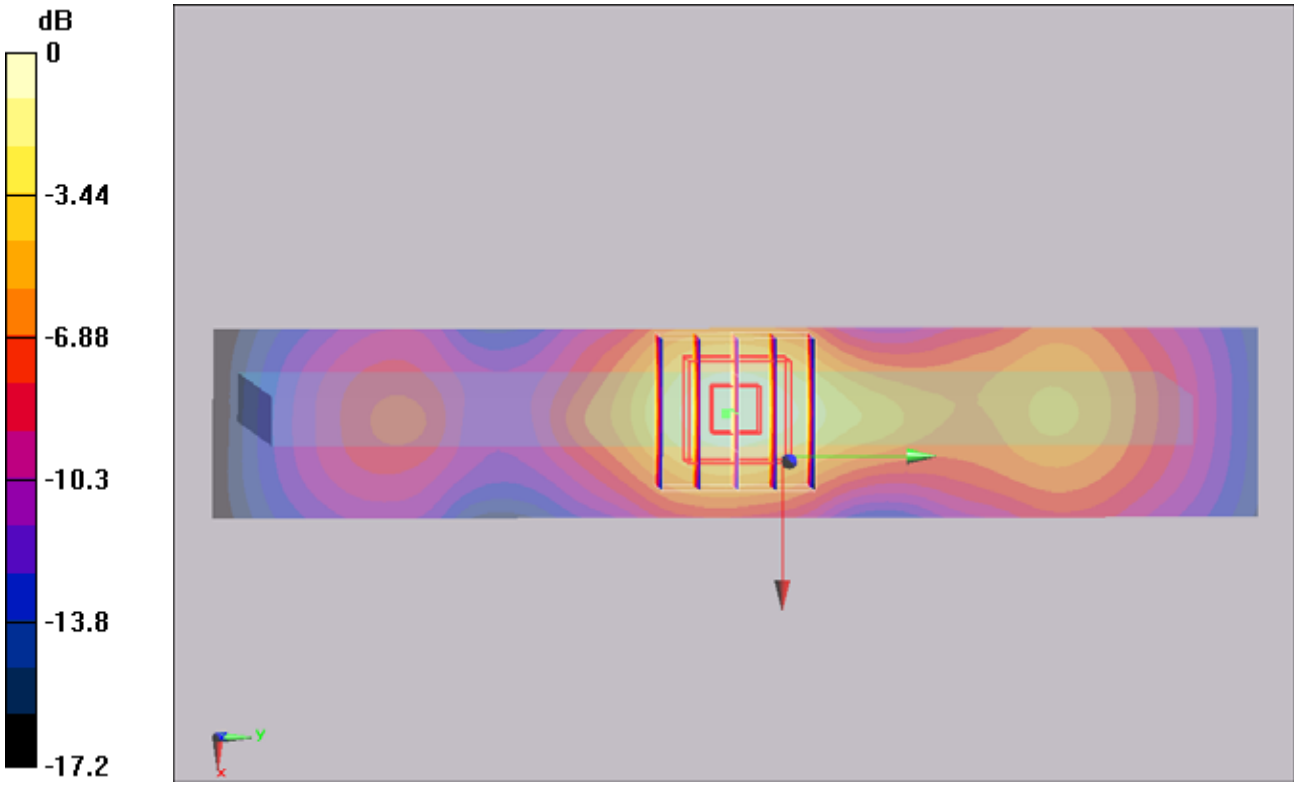
DUT: 1O2838

Communication System: CDMA ; Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1909 MHz; σ = 1.58 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch1175/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.5 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31 V/m; Power Drift = 0.164 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.741 mW/g
Maximum value of SAR (measured) = 1.47 mW/g



0 dB = 1.47mW/g

#18 CDMA2000 BC1_RTAP153.6_Bottom Face_0cm_Ch25_Earphone

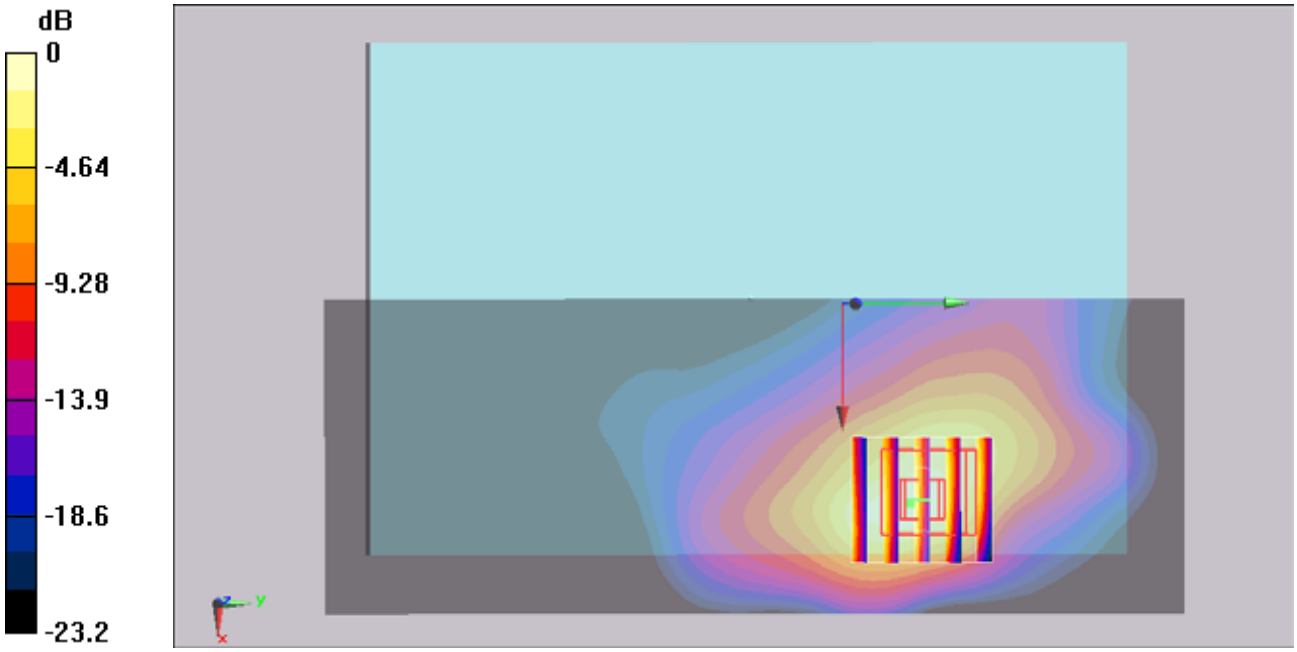
DUT: 1O2838

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch25/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.56 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.78 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 2.96 W/kg
SAR(1 g) = 1.44 mW/g; SAR(10 g) = 0.705 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



0 dB = 1.63mW/g

#19 CDMA2000 BC1_RTAP153.6_Bottom Face_0cm_Ch600_Earphone

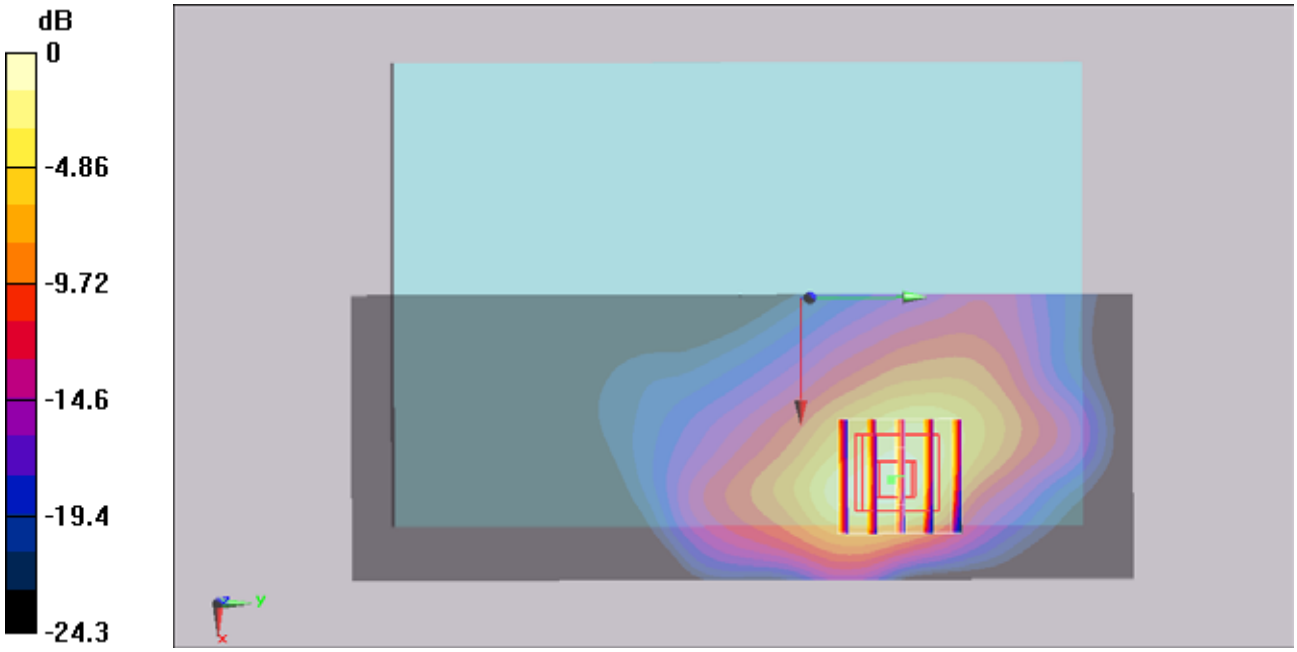
DUT: 1O2838

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.7 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.73 V/m; Power Drift = 0.182 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.715 mW/g
Maximum value of SAR (measured) = 1.73 mW/g



0 dB = 1.73mW/g

#19 CDMA2000 BC1_RTAP153.6_Bottom Face_0cm_Ch600_Earphone_2D

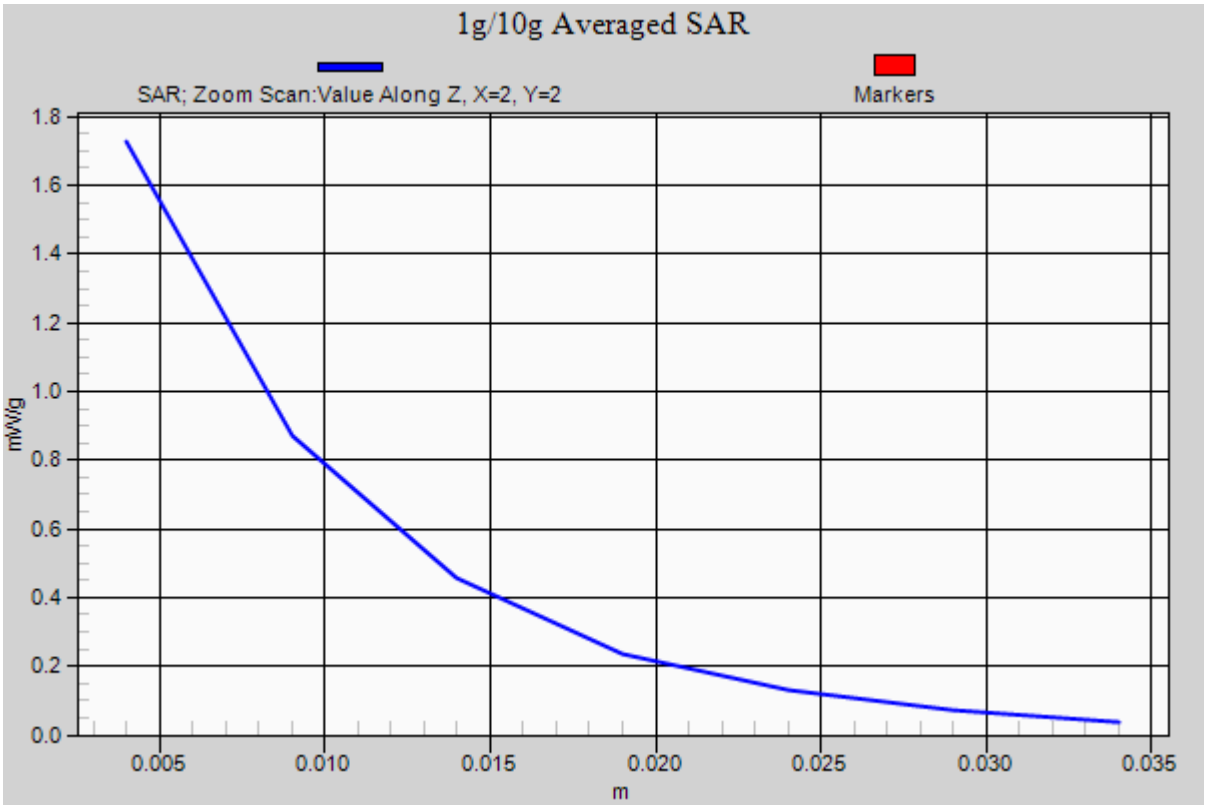
DUT: 1O2838

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃； Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.7 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.73 V/m; Power Drift = 0.182 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 0.715 mW/g
Maximum value of SAR (measured) = 1.73 mW/g



#14 CDMA2000 BC1_RTAP153.6_Bottom Face_1cm_Ch25_Earphone

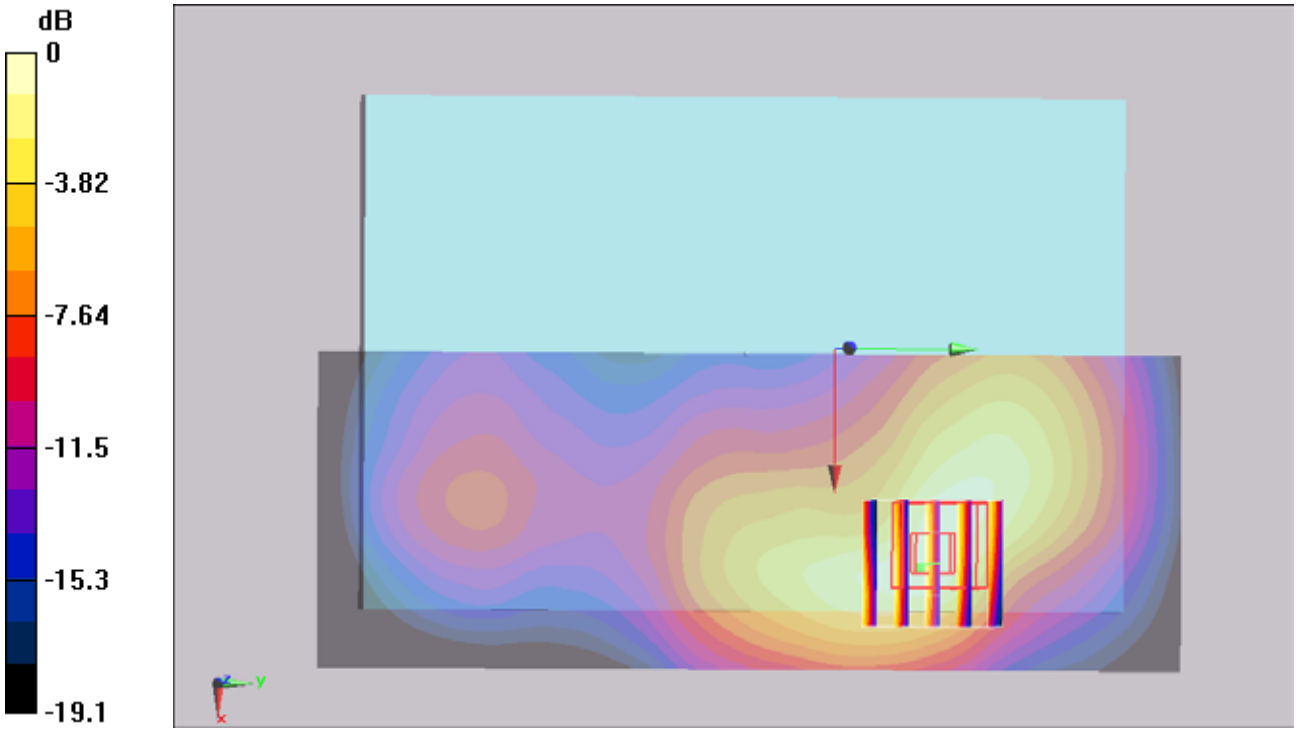
DUT: 1O2838

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch25/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.947 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.18 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.526 mW/g
Maximum value of SAR (measured) = 1.02 mW/g



0 dB = 1.02mW/g

#15 CDMA2000 BC1_RTAP153.6_Bottom Face_1cm_Ch600_Earphone

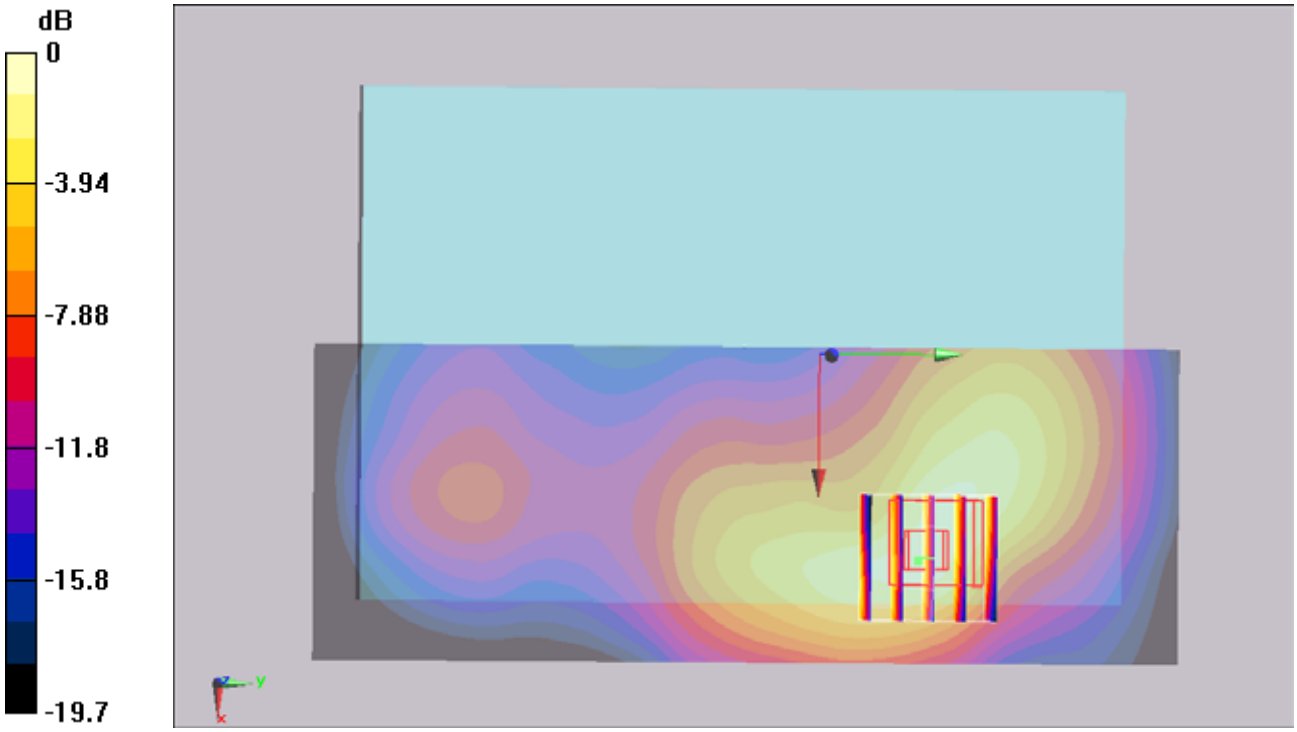
DUT: 1O2838

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.883 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.65 V/m; Power Drift = -0.158 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.488 mW/g
Maximum value of SAR (measured) = 0.978 mW/g



0 dB = 0.978mW/g

#16 CDMA2000 BC1_RTAP153.6_Secondary Landscape_0.75cm_Ch25

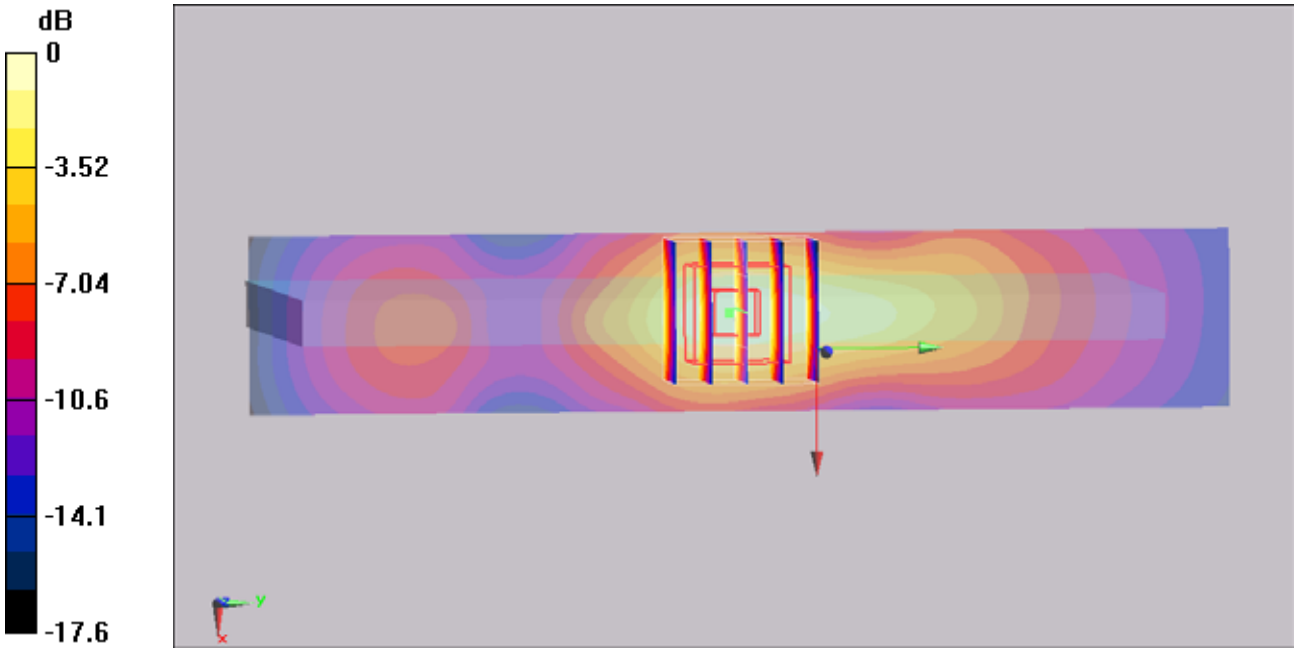
DUT: 1O2838

Communication System: CDMA ; Frequency: 1851.25 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1851.25 MHz; σ = 1.51 mho/m; ε_r = 54.6; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch25/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.45 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.9 V/m; Power Drift = 0.077 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.715 mW/g
Maximum value of SAR (measured) = 1.44 mW/g



0 dB = 1.44mW/g

#17 CDMA2000 BC1_RTAP153.6_Secondary Landscape_0.75cm_Ch600

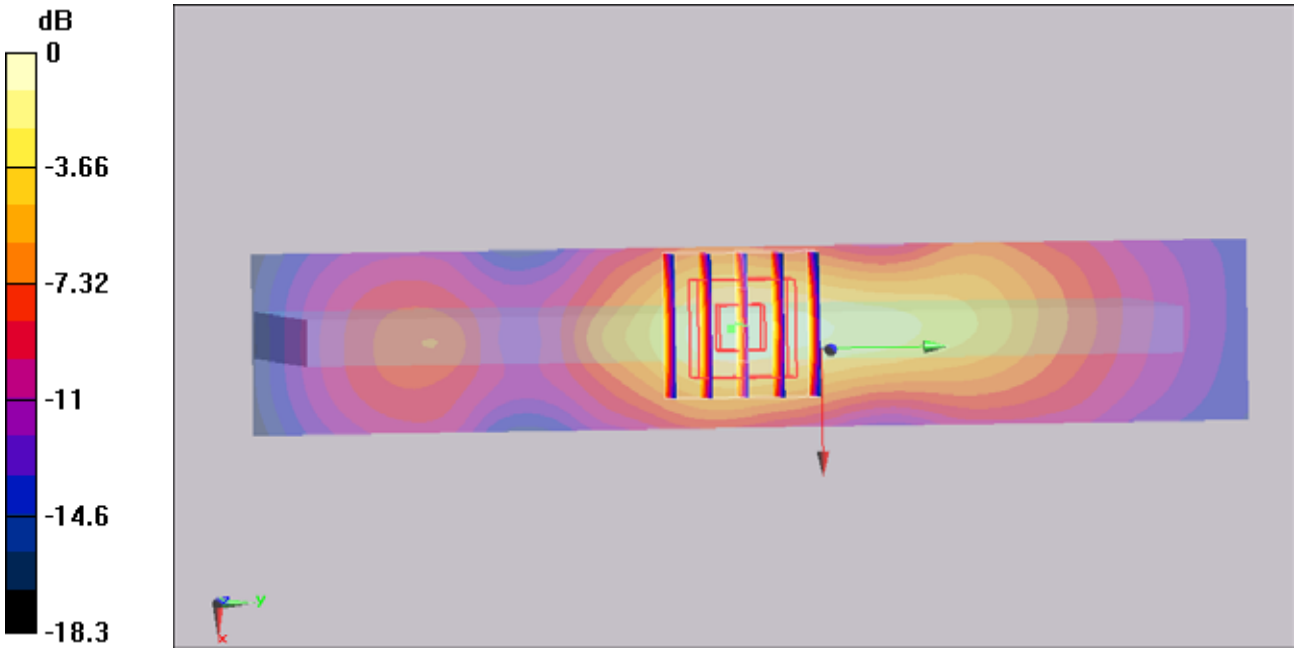
DUT: 1O2838

Communication System: CDMA ; Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_111111 Medium parameters used: f = 1880 MHz; σ = 1.54 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Ambient Temperature：22.3 ℃; Liquid Temperature：21.3 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2011/6/20
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1029
- ; SEMCAD X Version 13.4 Build 125

Ch600/Area Scan (21x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.42 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32 V/m; Power Drift = 0.136 dB
Peak SAR (extrapolated) = 2.08 W/kg
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.691 mW/g
Maximum value of SAR (measured) = 1.42 mW/g



0 dB = 1.42mW/g

#22 LTE Band 13_QPSK(25-13)_Bottom Face_0cm_Ch23230_10M_Earphone

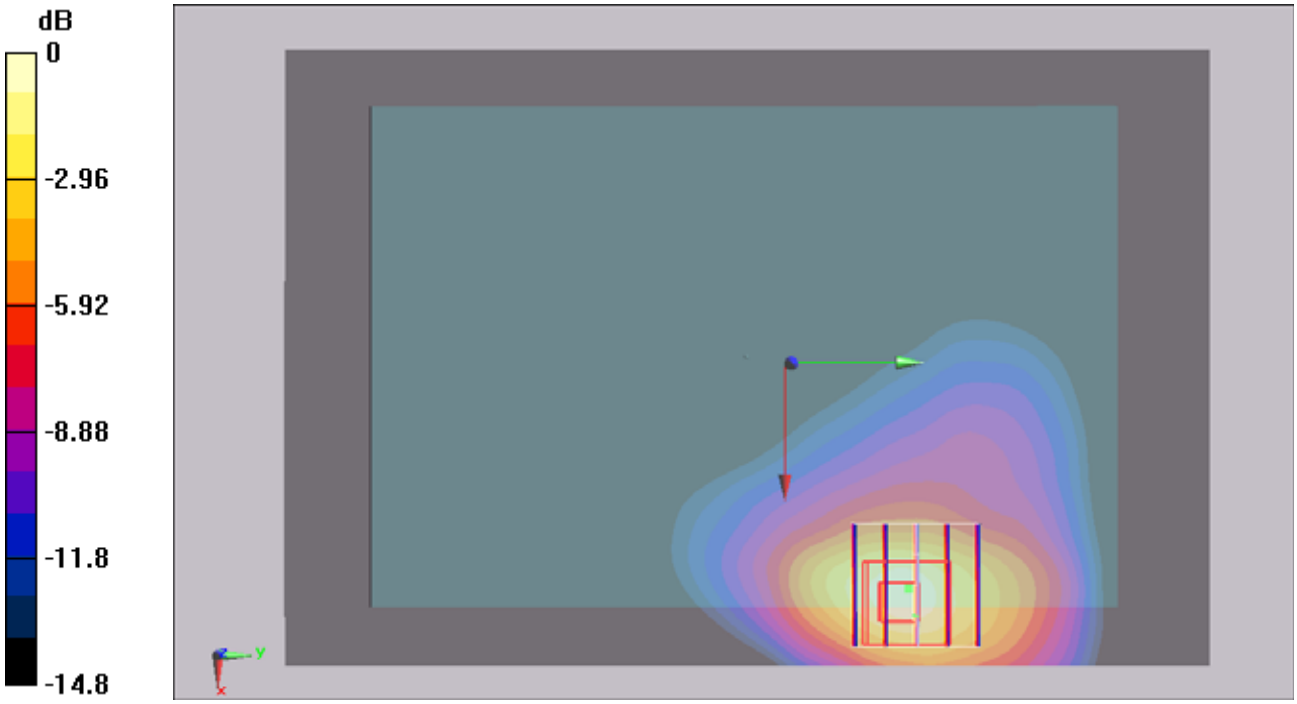
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (101x121x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.87 V/m; Power Drift = -0.075 dB
Peak SAR (extrapolated) = 2.69 W/kg
SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.658 mW/g
Maximum value of SAR (measured) = 1.33 mW/g



0 dB = 1.33mW/g

#23 LTE Band 13_QPSK(1-0)_Bottom Face_0cm_Ch23230_10M_Earphone

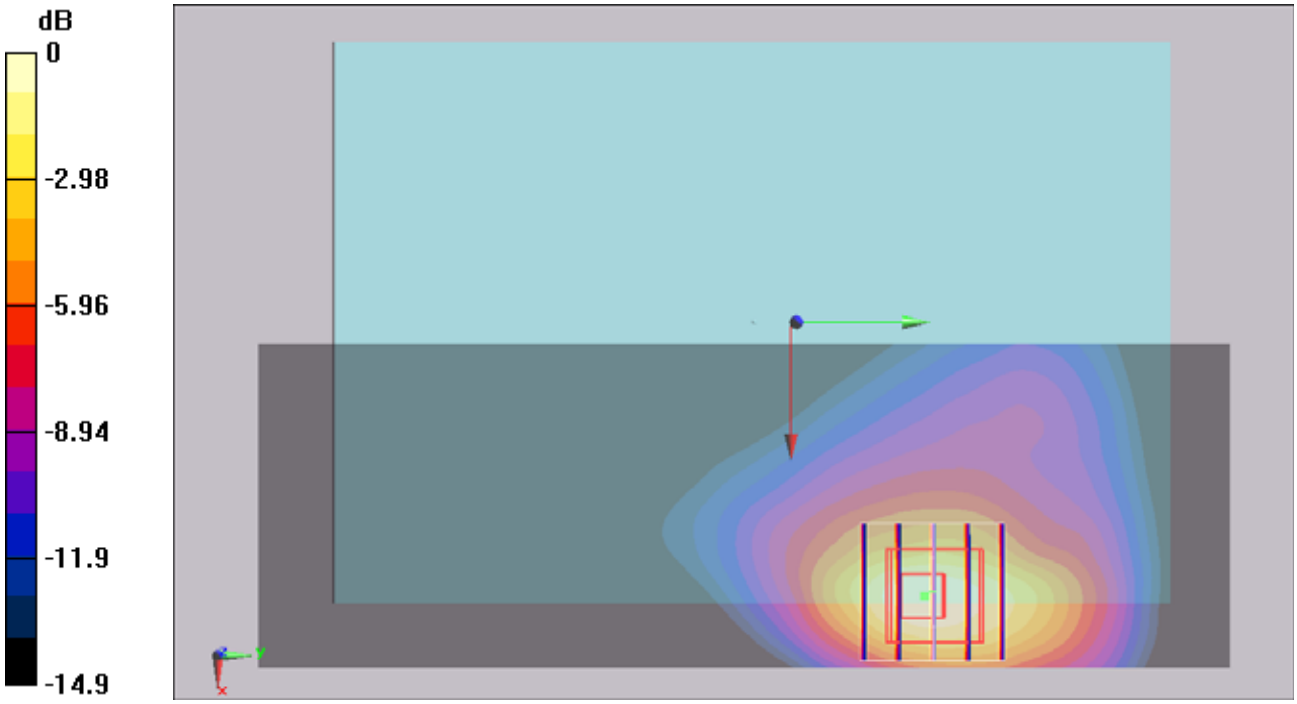
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x121x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.38 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.78 V/m; Power Drift = -0.093 dB
Peak SAR (extrapolated) = 2.45 W/kg
SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.599 mW/g
Maximum value of SAR (measured) = 1.31 mW/g



0 dB = 1.31mW/g

#24 LTE Band 13_QPSK(1-49)_Bottom Face_0cm_Ch23230_10M_Earphone

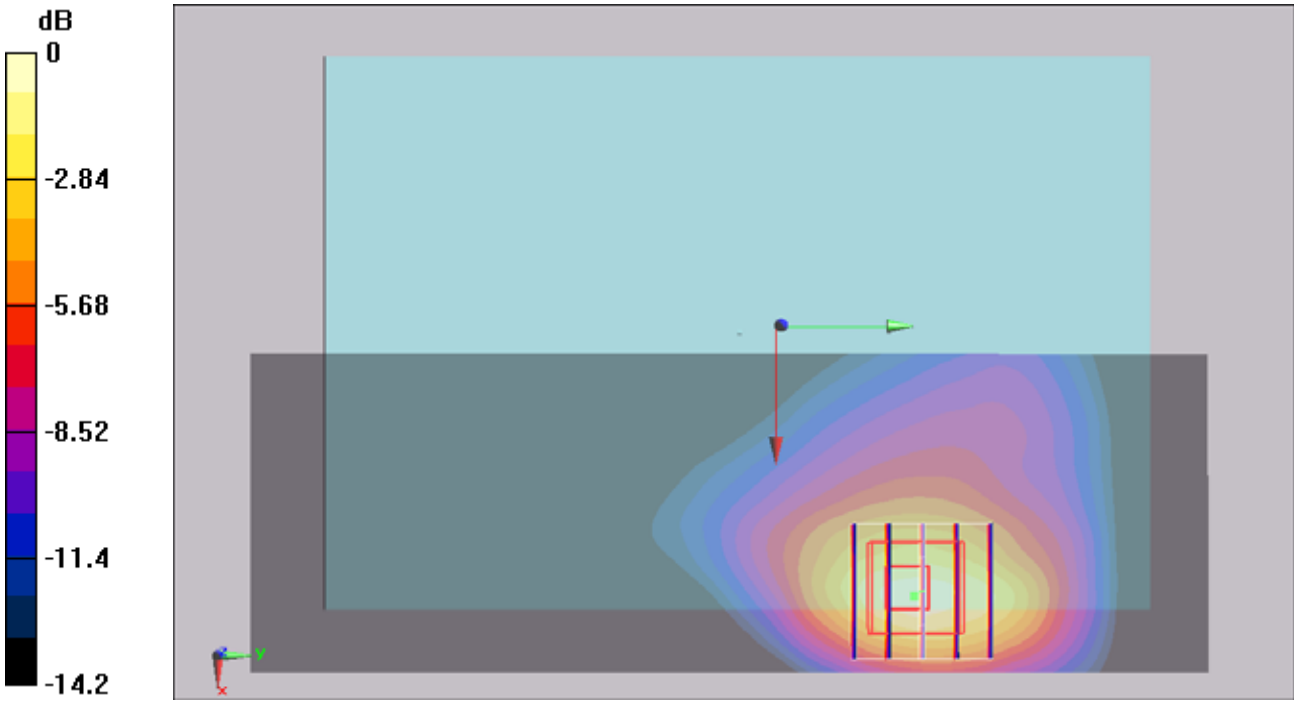
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x121x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.13 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.52 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

#25 LTE Band 13_QPSK(25-13)_Secondary Landscape_0cm_Ch23230_10M

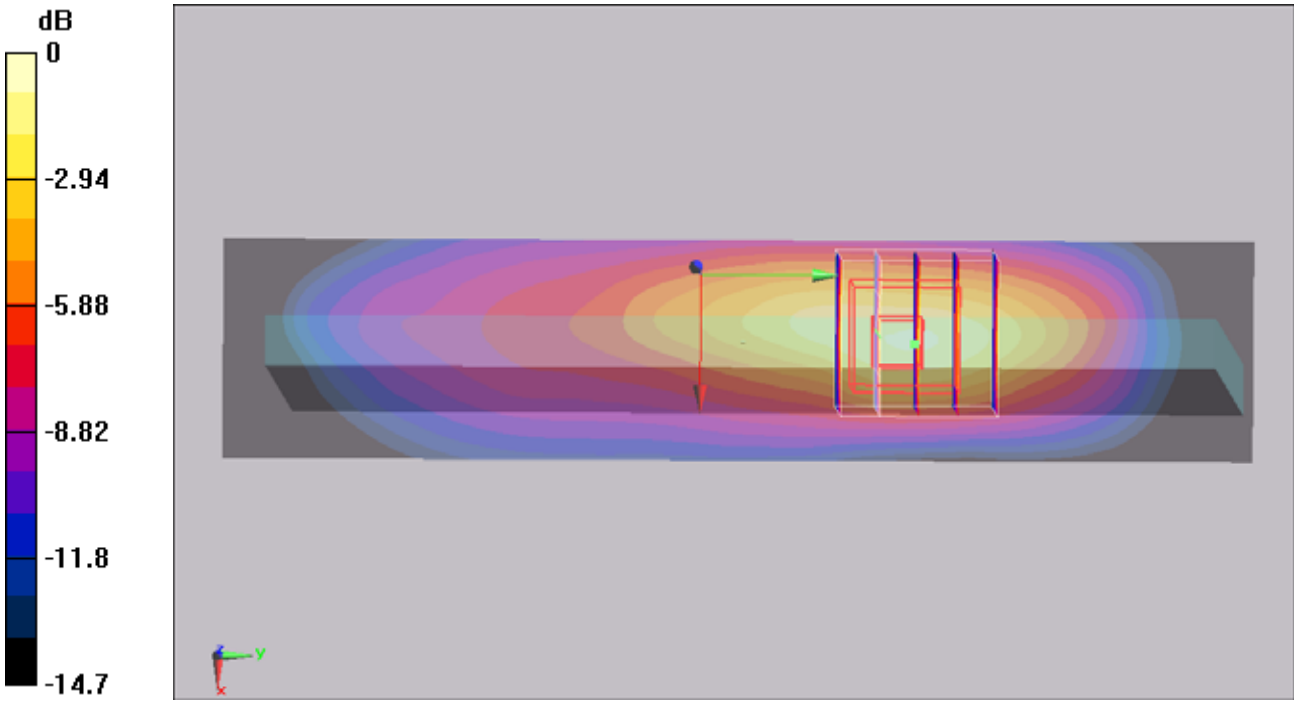
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.535 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.1 V/m; Power Drift = -0.150 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.285 mW/g
Maximum value of SAR (measured) = 0.649 mW/g



0 dB = 0.649mW/g

#26 LTE Band 13_QPSK(1-0)_Secondary Landscape_0cm_Ch23230_10M

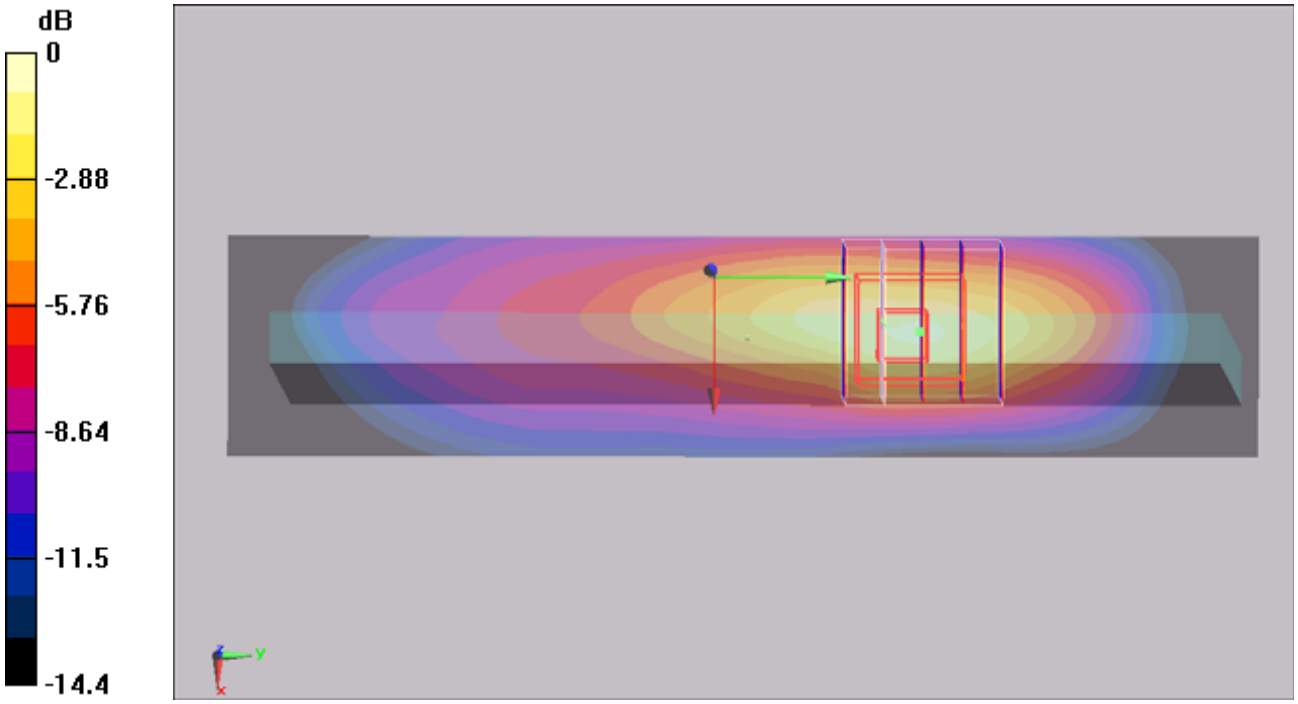
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.495 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.9 V/m; Power Drift = 0.192 dB
Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.278 mW/g
Maximum value of SAR (measured) = 0.595 mW/g



0 dB = 0.595mW/g

#27 LTE Band 13_QPSK(1-49)_Secondary Landscape_0cm_Ch23230_10M

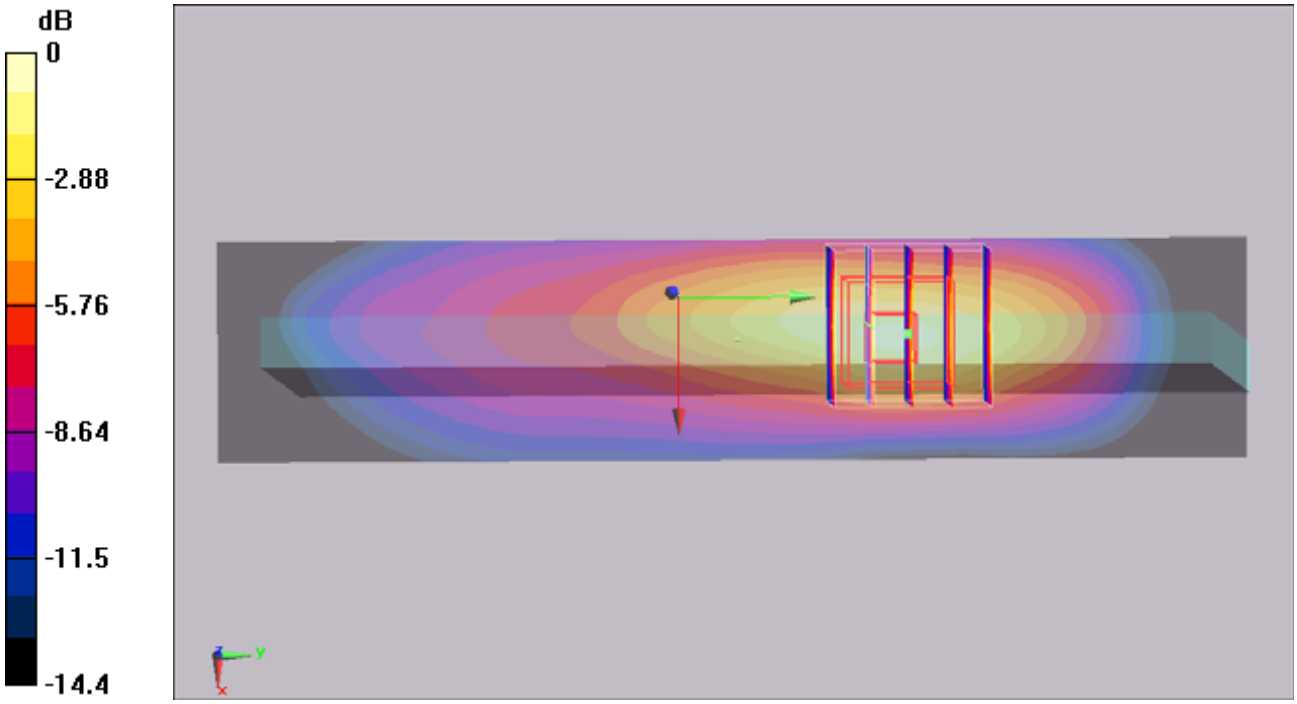
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.519 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.6 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.283 mW/g
Maximum value of SAR (measured) = 0.610 mW/g



0 dB = 0.610mW/g

#31 LTE Band 13_16QAM(25-13)_Bottom Face_0cm_Ch23230_10M_Earphone

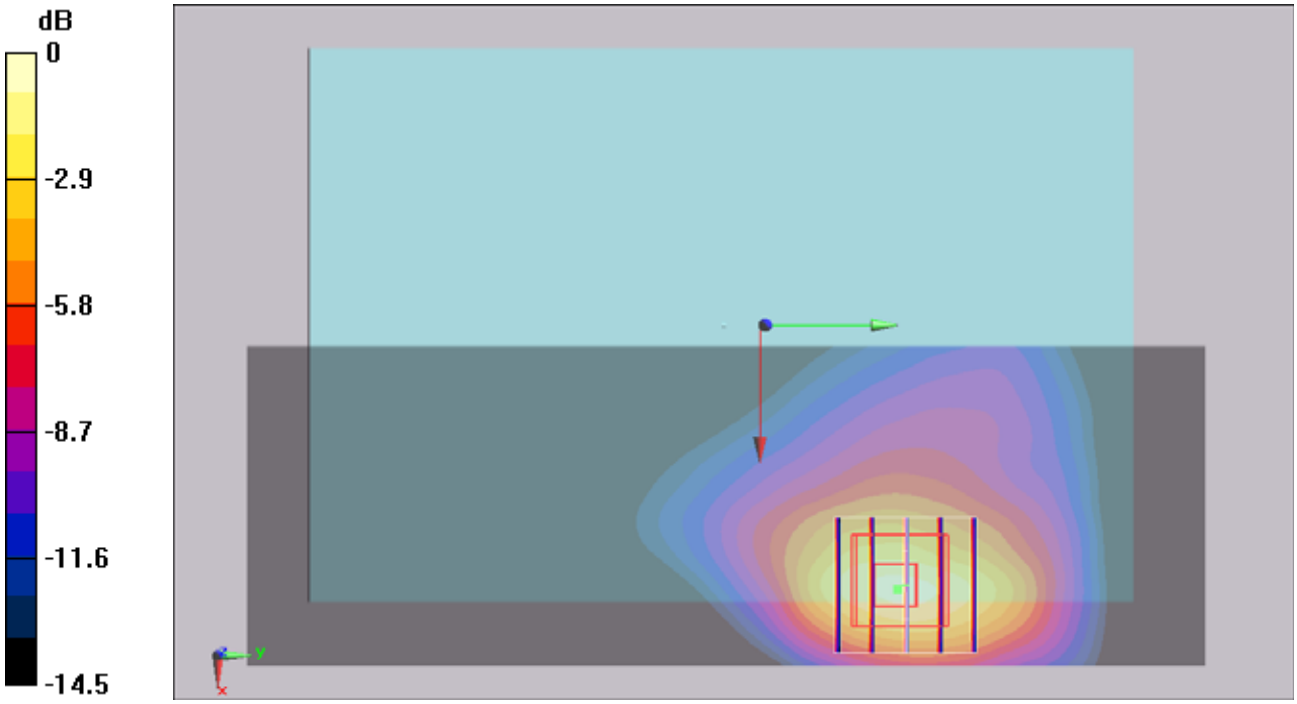
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.33 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.86 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.687 mW/g
Maximum value of SAR (measured) = 1.52 mW/g



0 dB = 1.52mW/g

#31 LTE Band 13_16QAM(25-13)_Bottom Face_0cm_Ch23230_10M_Earphone_2D

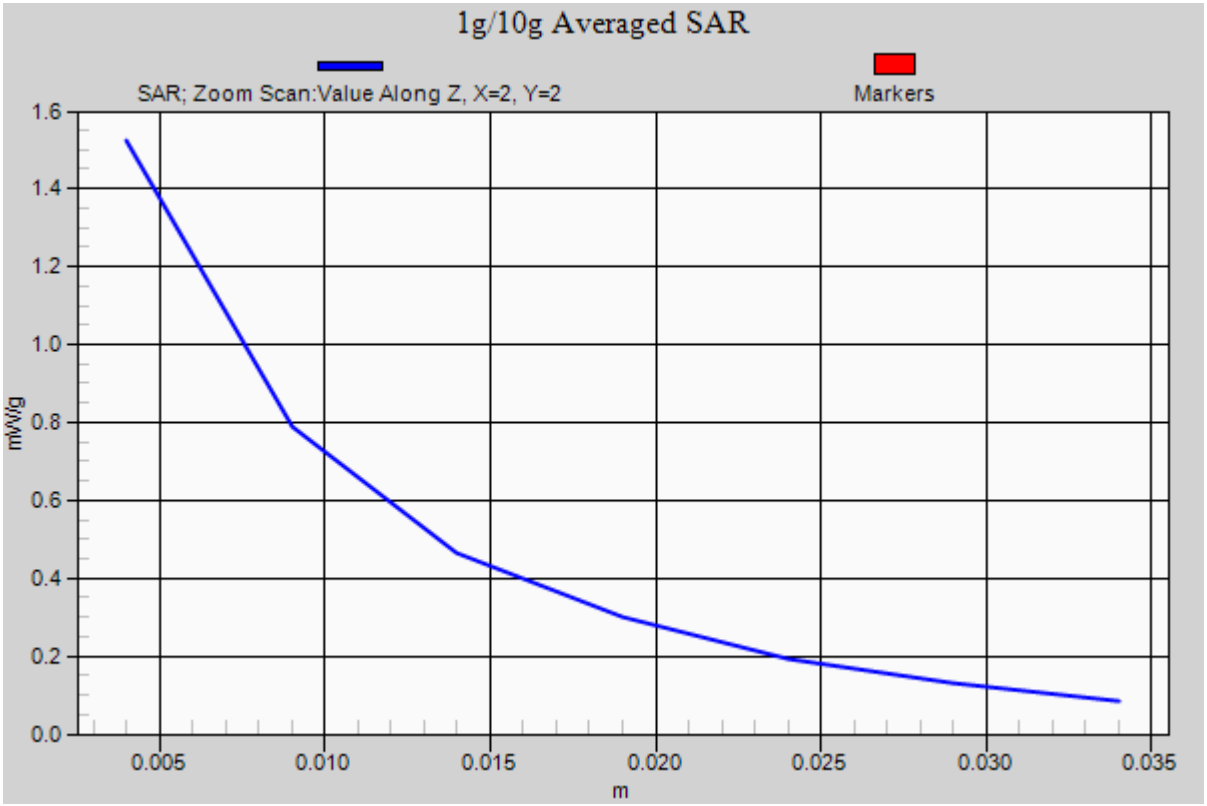
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.33 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.86 V/m; Power Drift = -0.016 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.687 mW/g
Maximum value of SAR (measured) = 1.52 mW/g


1g/10g Averaged SAR
SAR; Zoom Scan:Value Along Z, X=2, Y=2
Markers
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mW/g
0.005
0.010
0.015
0.020
0.025
0.030
0.035
m

#32 LTE Band 13_16QAM(1-0)_Bottom Face_0cm_Ch23230_10M_Earphone

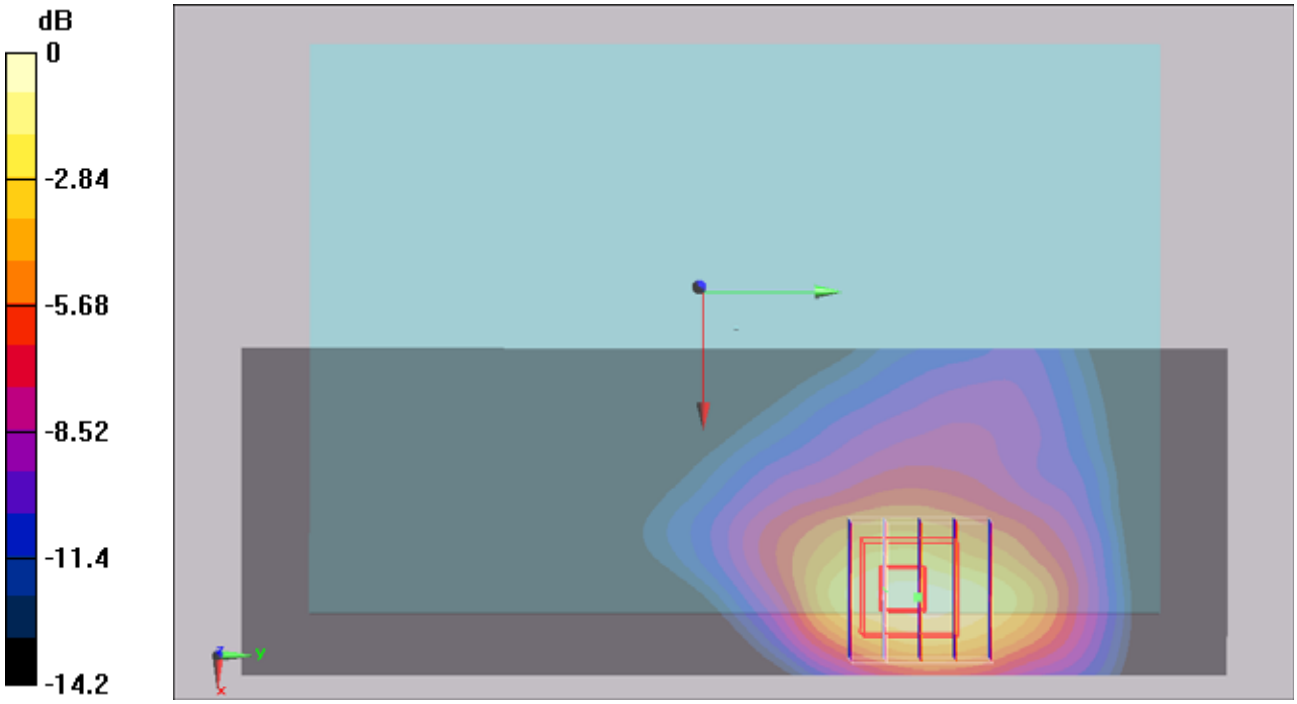
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.09 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.36 V/m; Power Drift = 0.080 dB
Peak SAR (extrapolated) = 2.1 W/kg
SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

#33 LTE Band 13_16QAM(1-49)_Bottom Face_0cm_Ch23230_10M_Earphone

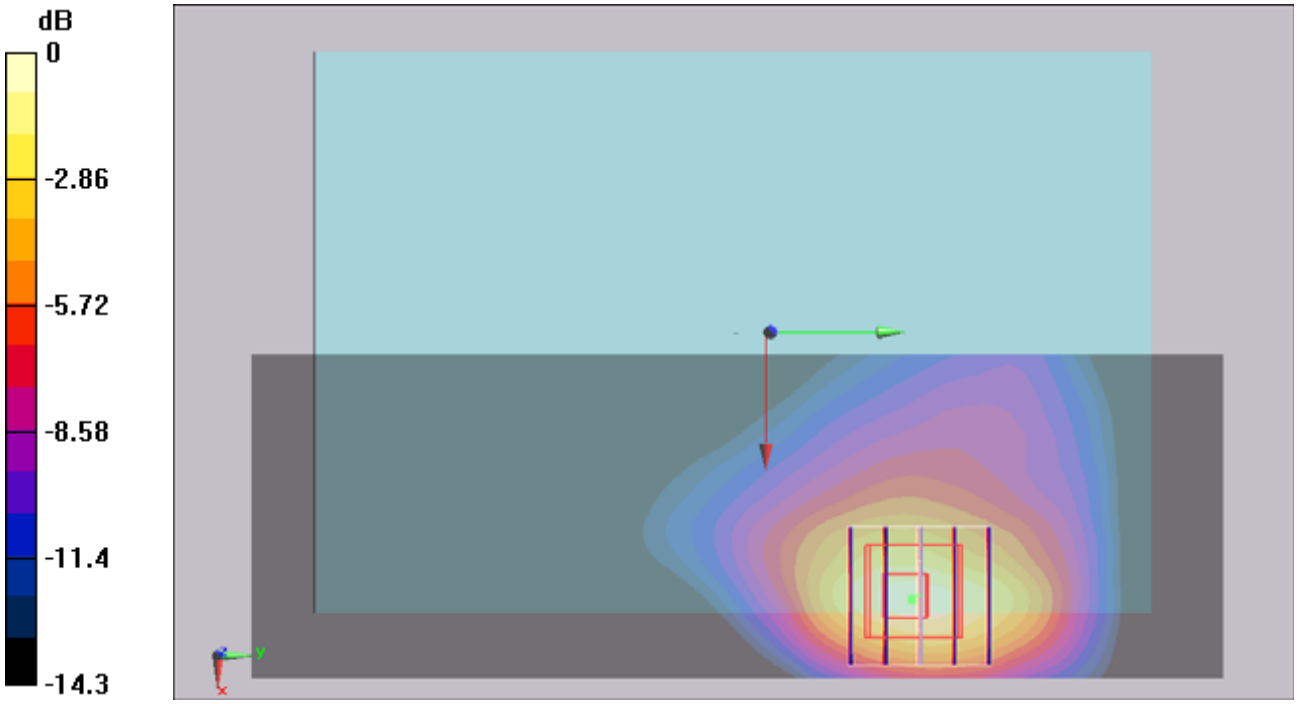
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.54 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.572 mW/g
Maximum value of SAR (measured) = 1.25 mW/g



0 dB = 1.25mW/g

#34 LTE Band 13_16QAM(25-13)_Secondary Landscape_0cm_Ch23230_10M

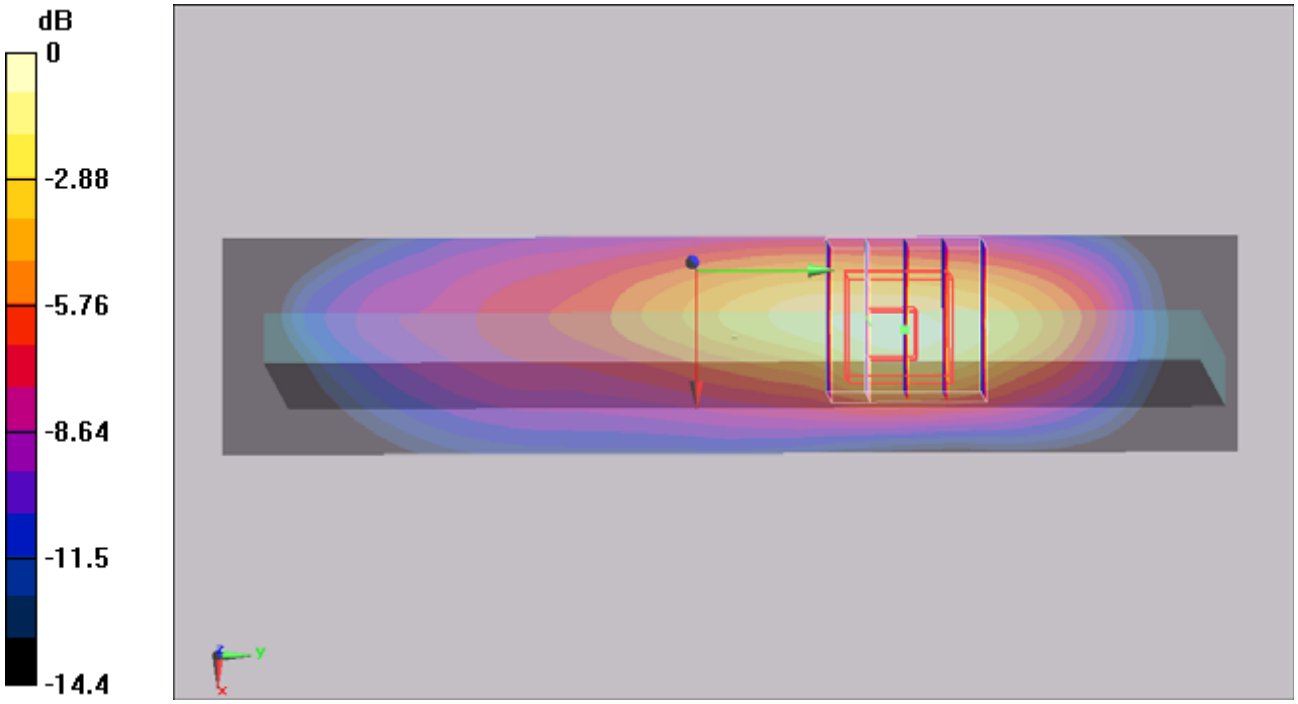
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.634 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.7 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.340 mW/g
Maximum value of SAR (measured) = 0.715 mW/g



0 dB = 0.715mW/g

#35 LTE Band 13_16QAM(1-0)_Secondary Landscape_0cm_Ch23230_10M

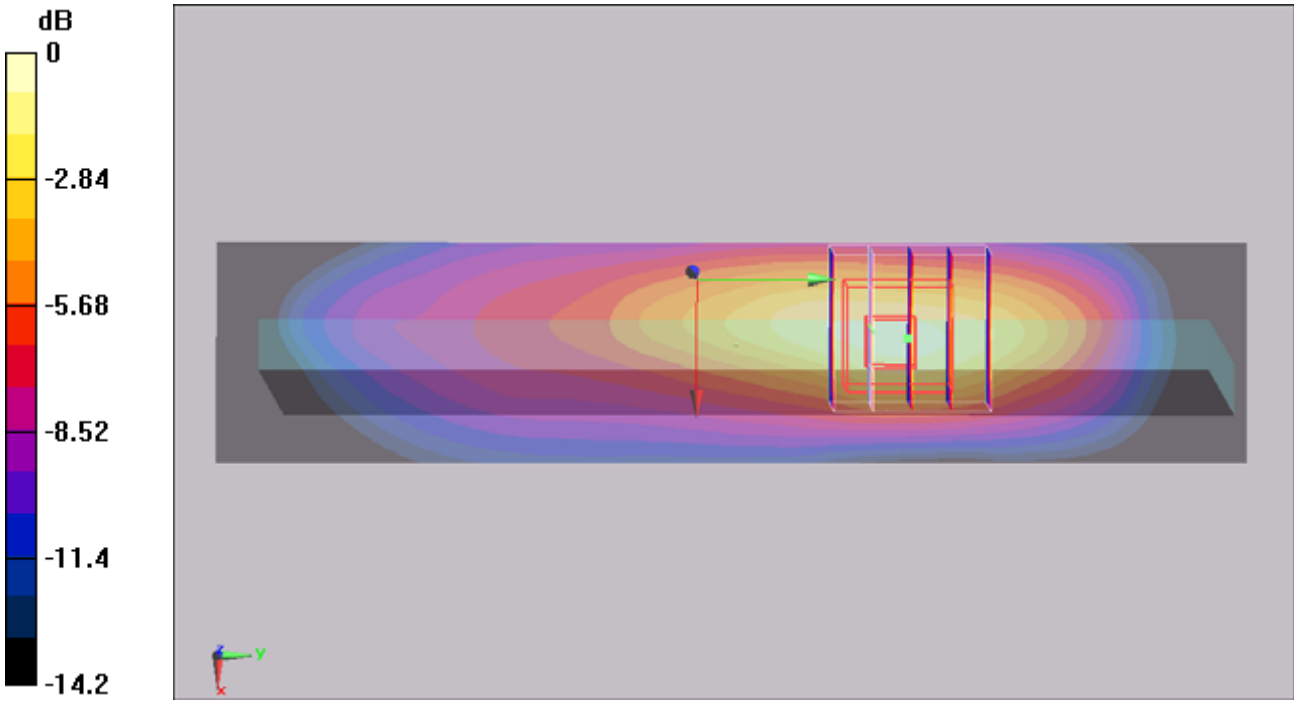
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.600 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23 V/m; Power Drift = 0.108 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.320 mW/g
Maximum value of SAR (measured) = 0.679 mW/g



0 dB = 0.679mW/g

#36 LTE Band 13_16QAM(1-49)_Secondary Landscape_0cm_Ch23230_10M

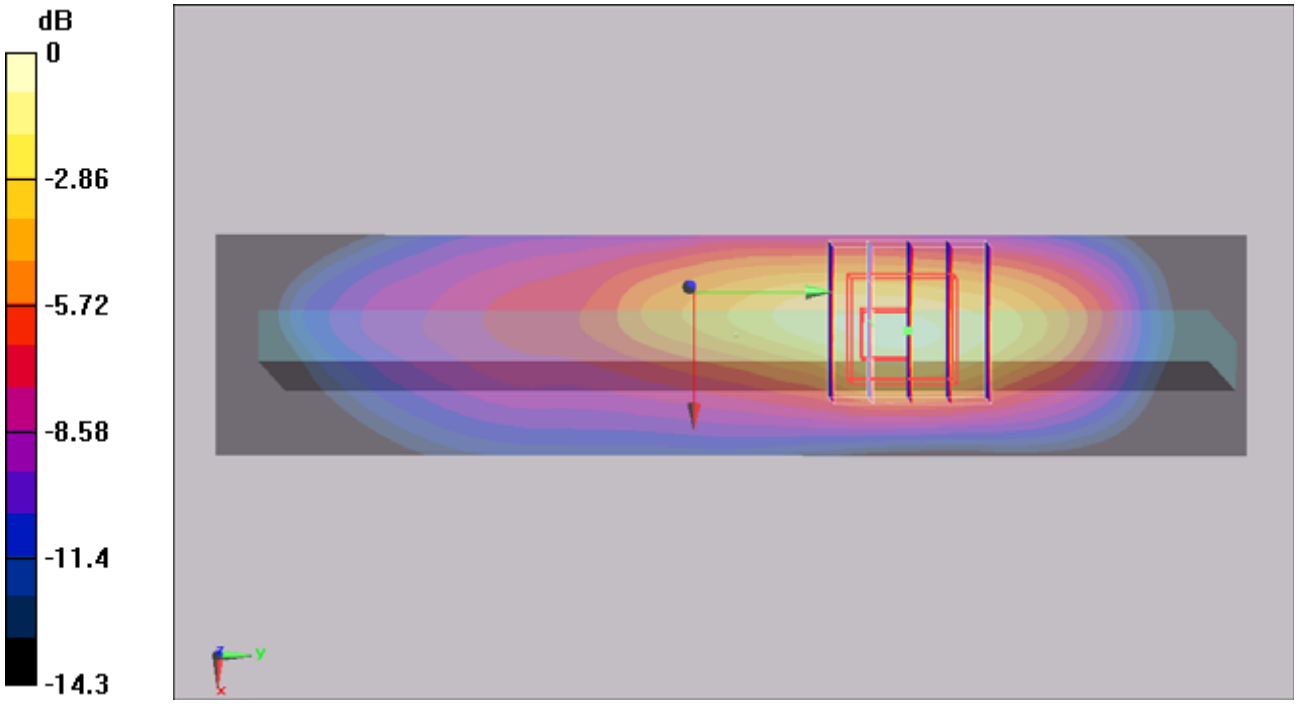
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111207 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY5 Configuration:
- Probe: ET3DV6 - SN1787; ConvF(6.35, 6.35, 6.35); Calibrated: 2011/5/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QD 0VA 002 AA; Serial: TP-1131
- ; SEMCAD X Version 13.4 Build 125

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.598 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.5 V/m; Power Drift = 0.158 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.314 mW/g
Maximum value of SAR (measured) = 0.689 mW/g



0 dB = 0.689mW/g

#37 LTE Band 13_QPSK(25-13)_Bottom Face_1cm_Ch23230_10M_Earphone

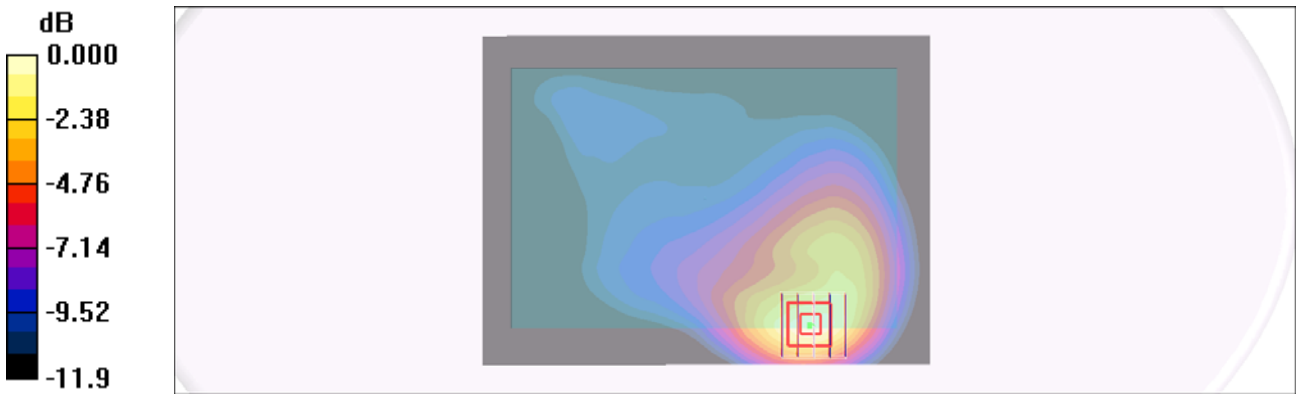
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.568 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.74 V/m; Power Drift = 0.121 dB
Peak SAR (extrapolated) = 0.850 W/kg
SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 0.590 mW/g



0 dB = 0.590mW/g

#38 LTE Band 13_QPSK(1-0)_Bottom Face_1cm_Ch23230_10M_Earphone

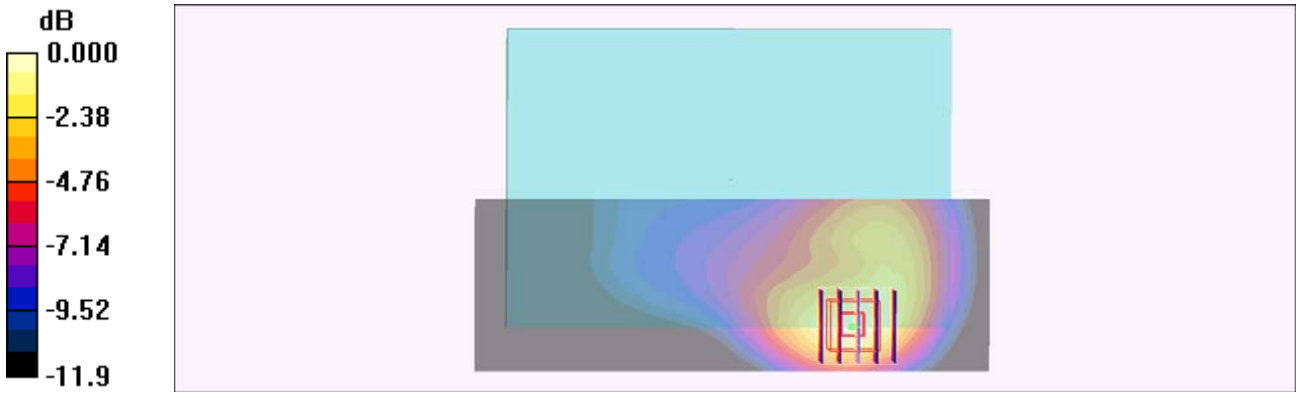
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.697 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.65 V/m; Power Drift = 0.031 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.401 mW/g
Maximum value of SAR (measured) = 0.726 mW/g



0 dB = 0.726mW/g

#39 LTE Band 13_QPSK(1-49)_Bottom Face_1cm_Ch23230_10M_Earphone

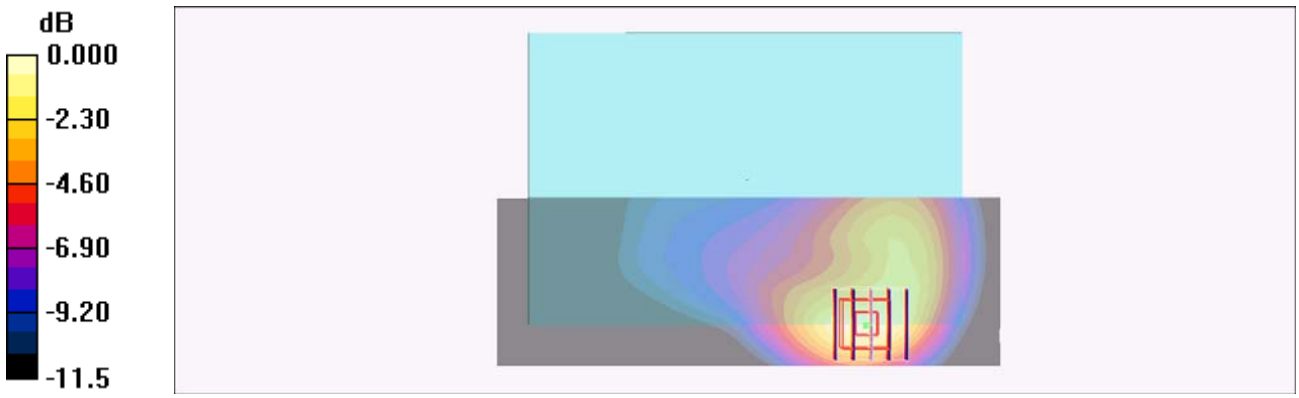
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.569 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.01 V/m; Power Drift = 0.088 dB
Peak SAR (extrapolated) = 0.841 W/kg
SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 0.584 mW/g



0 dB = 0.584mW/g

#40 LTE Band 13_QPSK(25-13)_Secondary Landscape_0.75cm_Ch23230_10M

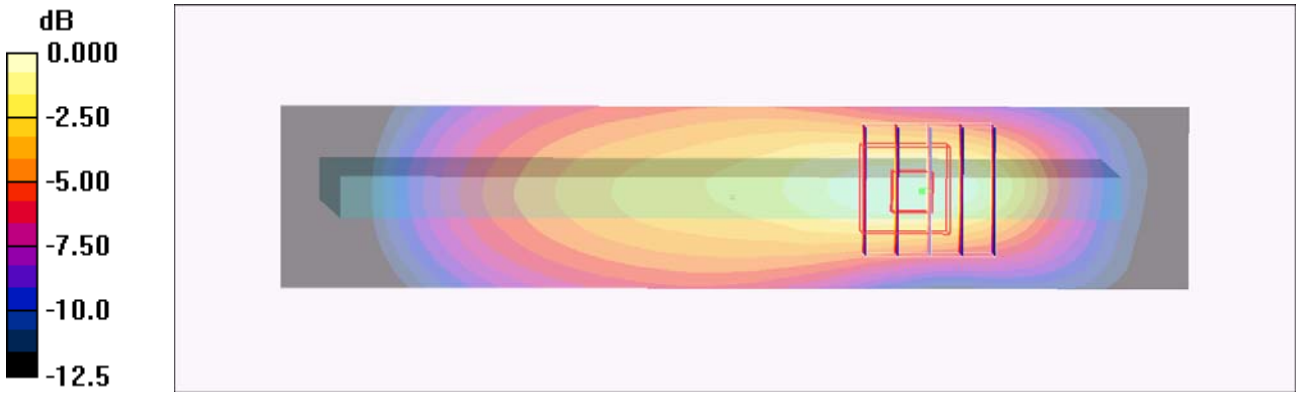
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.362 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.4 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 0.513 W/kg
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.194 mW/g
Maximum value of SAR (measured) = 0.347 mW/g



0 dB = 0.347mW/g

#41 LTE Band 13_QPSK(1-0)_Secondary Landscape_0.75cm_Ch23230_10M

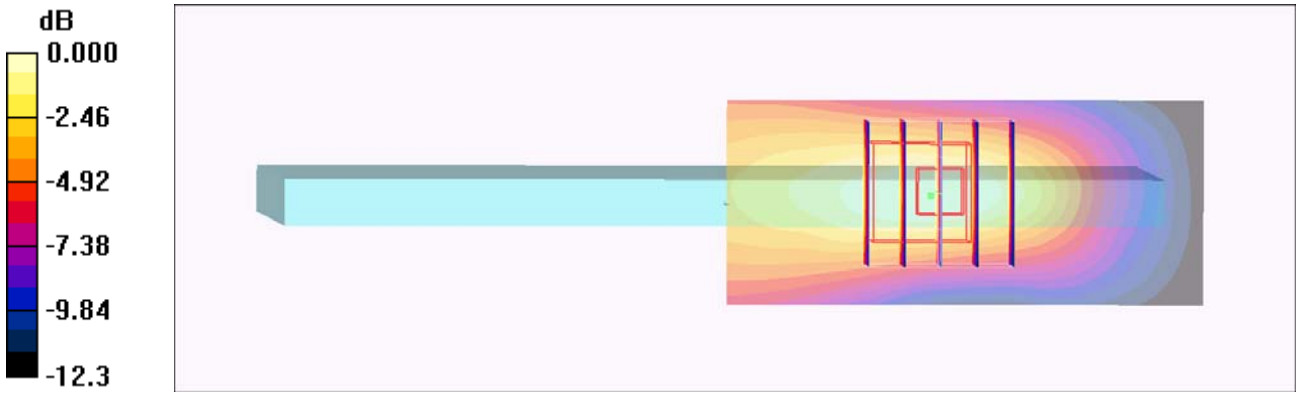
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.473 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.0 V/m; Power Drift = -0.017 dB
Peak SAR (extrapolated) = 0.661 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.246 mW/g
Maximum value of SAR (measured) = 0.451 mW/g



0 dB = 0.451mW/g

#42 LTE Band 13_QPSK(1-49)_Secondary Landscape_0.75cm_Ch23230_10M

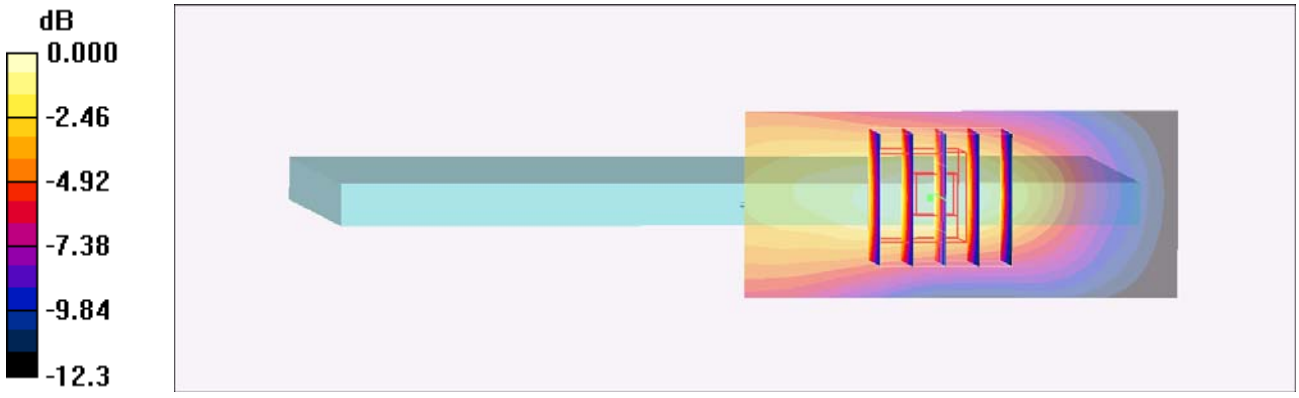
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.442 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.2 V/m; Power Drift = 0.132 dB
Peak SAR (extrapolated) = 0.607 W/kg
SAR(1 g) = 0.388 mW/g; SAR(10 g) = 0.236 mW/g
Maximum value of SAR (measured) = 0.429 mW/g



0 dB = 0.429mW/g

#28 LTE Band 13_QPSK(25-13)_Primary Portrait_0cm_Ch23230_10M_Earphone

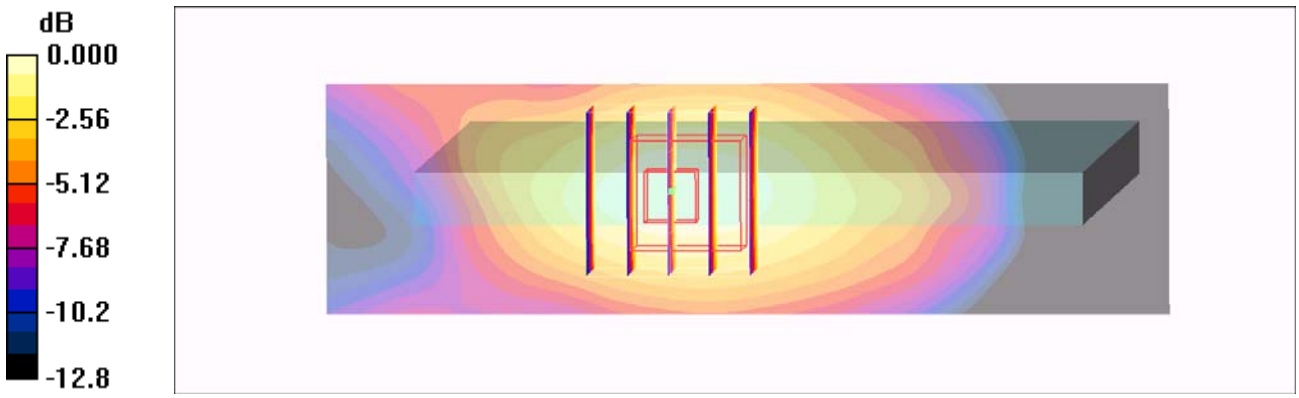
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111116 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.051 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.85 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 0.074 W/kg
SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.031 mW/g
Maximum value of SAR (measured) = 0.052 mW/g



0 dB = 0.052mW/g

#29 LTE Band 13_QPSK(1-0)_Primary Portrait_0cm_Ch23230_10M_Earphone

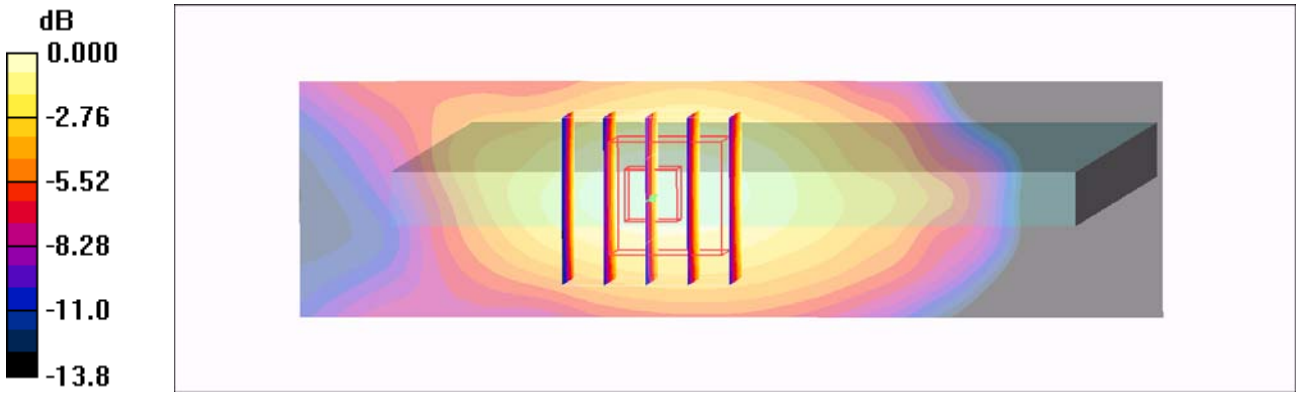
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111116 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃； Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.035 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.65 V/m; Power Drift = 0.153 dB
Peak SAR (extrapolated) = 0.053 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.022 mW/g
Maximum value of SAR (measured) = 0.037 mW/g



0 dB = 0.037mW/g

#30 LTE Band 13_QPSK(1-49)_Primary Portrait_0cm_Ch23230_10M_Earphone

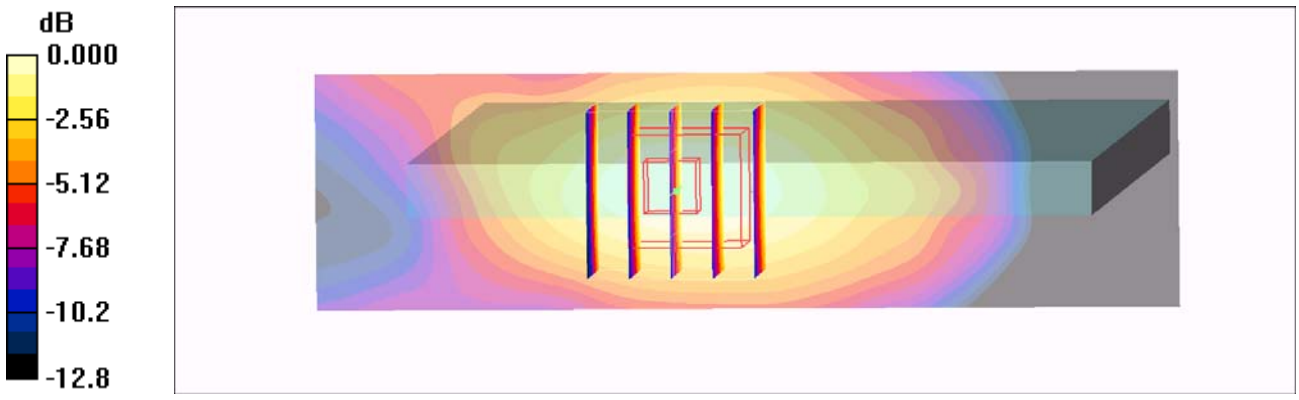
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111116 Medium parameters used: f = 782 MHz; σ = 0.99 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Ambient Temperature：22.5 ℃; Liquid Temperature：21.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.043 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.26 V/m; Power Drift = 0.135 dB
Peak SAR (extrapolated) = 0.061 W/kg
SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.043 mW/g



0 dB = 0.043mW/g

#43 LTE Band 13_16QAM(25-13)_Bottom Face_1cm_Ch23230_10M_Earphone

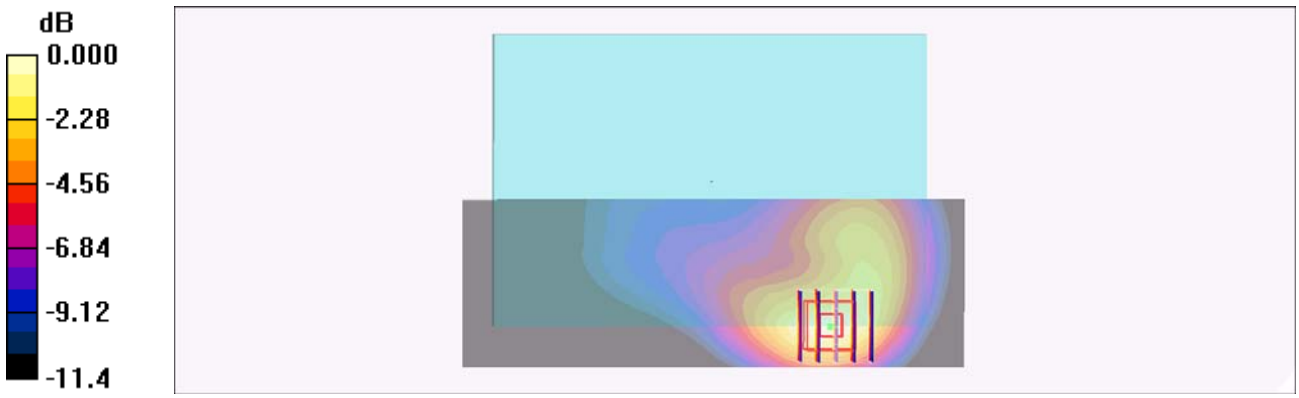
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.411 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.04 V/m; Power Drift = -0.163 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.383 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 0.420 mW/g



0 dB = 0.420mW/g

#44 LTE Band 13_16QAM(1-0)_Bottom Face_1cm_Ch23230_10M_Earphone

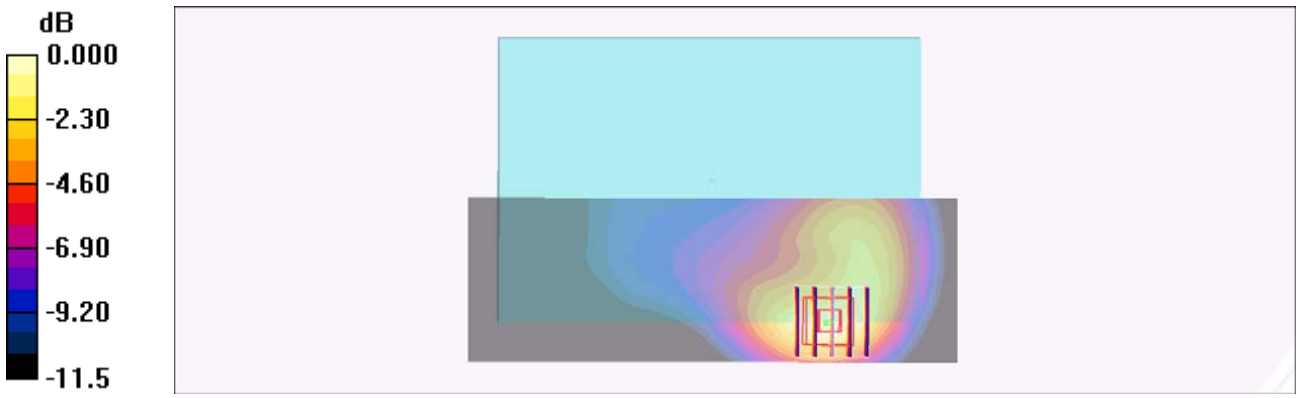
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.547 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.68 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 0.777 W/kg
SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.308 mW/g
Maximum value of SAR (measured) = 0.546 mW/g



0 dB = 0.546mW/g

#45 LTE Band 13_16QAM(1-49)_Bottom Face_1cm_Ch23230_10M_Earphone

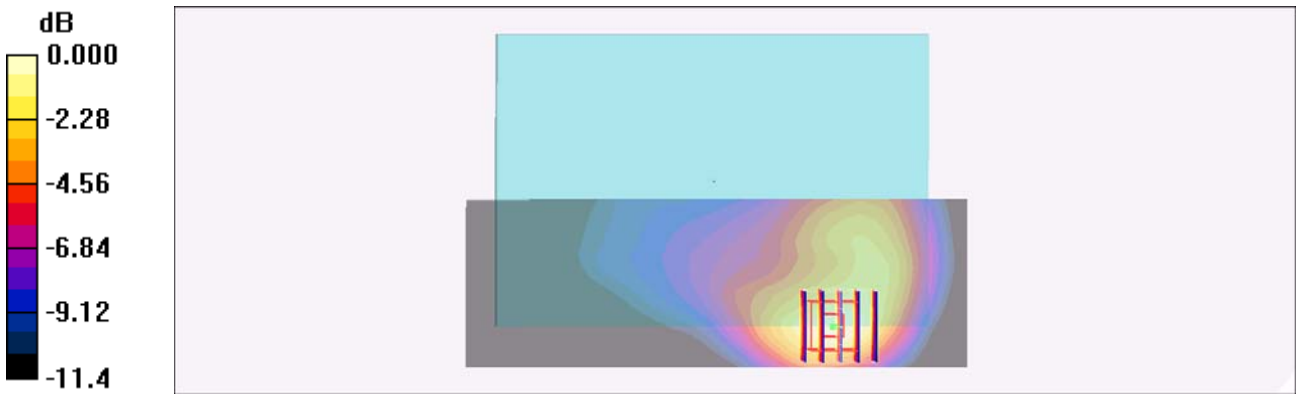
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (41x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.488 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.48 V/m; Power Drift = -0.060 dB
Peak SAR (extrapolated) = 0.652 W/kg
SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.263 mW/g
Maximum value of SAR (measured) = 0.458 mW/g



0 dB = 0.458mW/g

#46 LTE Band 13_16QAM(25-13)_Secondary Landscape_0.75cm_Ch23230_10M

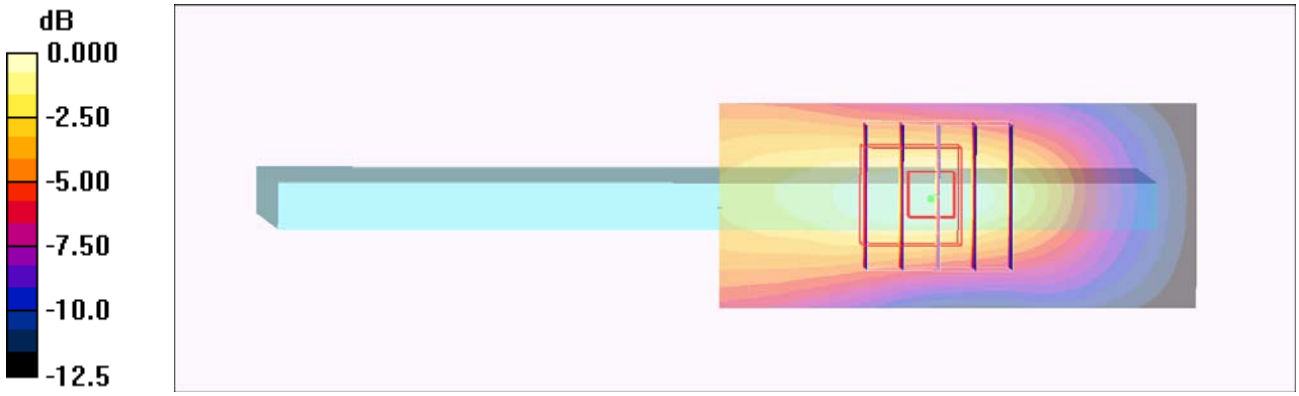
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.320 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.4 V/m; Power Drift = 0.026 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.168 mW/g
Maximum value of SAR (measured) = 0.306 mW/g



0 dB = 0.306mW/g

#47 LTE Band 13_16QAM(1-0)_Secondary Landscape_0.75cm_Ch23230_10M

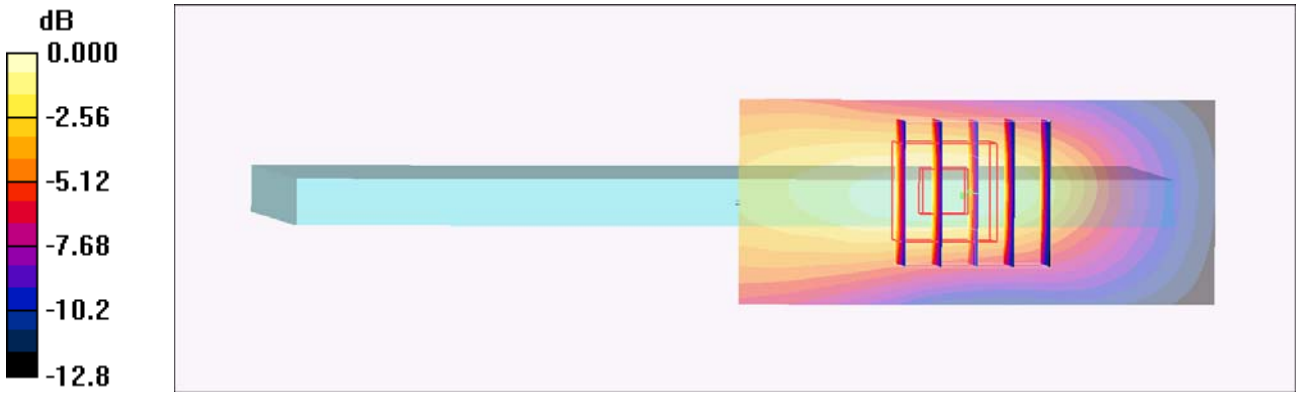
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.391 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.8 V/m; Power Drift = 0.033 dB
Peak SAR (extrapolated) = 0.552 W/kg
SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.208 mW/g
Maximum value of SAR (measured) = 0.378 mW/g



0 dB = 0.378mW/g

#48 LTE Band 13_16QAM(1-49)_Secondary Landscape_0.75cm_Ch23230_10M

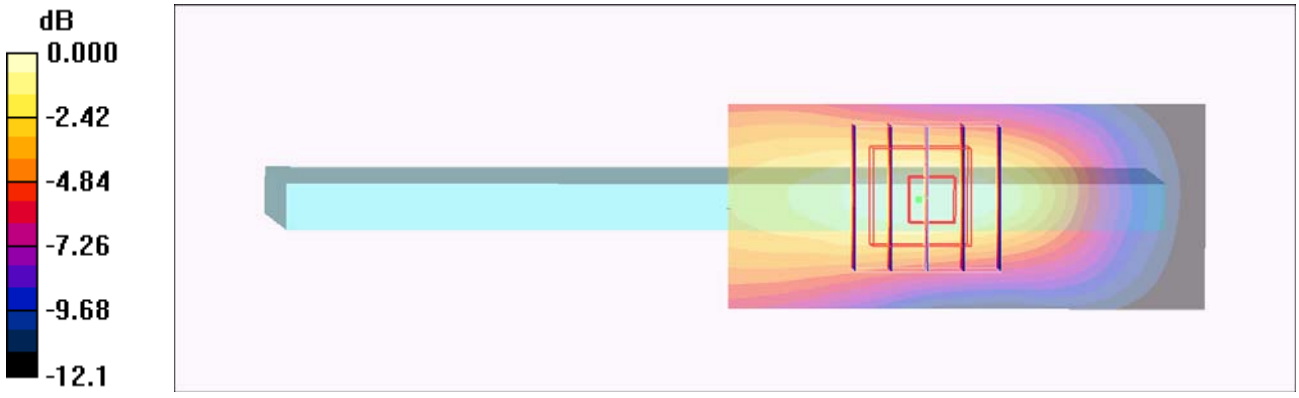
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.361 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.6 V/m; Power Drift = 0.070 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.362 mW/g



0 dB = 0.362mW/g

#49 LTE Band 13_16QAM(25-13)_Primary Portrait_0cm_Ch23230_10M_Earphone

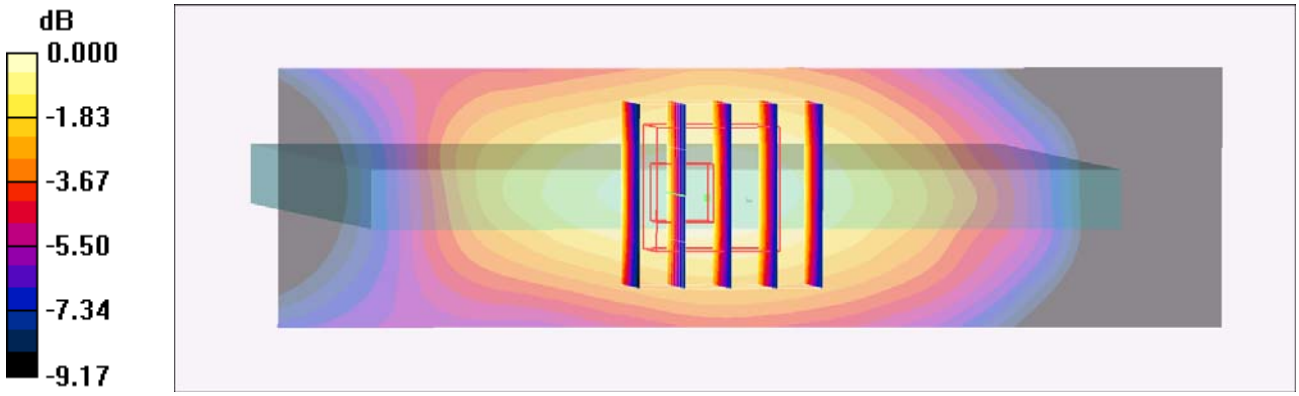
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.069 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.19 V/m; Power Drift = -0.138 dB
Peak SAR (extrapolated) = 0.098 W/kg
SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.044 mW/g
Maximum value of SAR (measured) = 0.070 mW/g



0 dB = 0.070mW/g

#50 LTE Band 13_16QAM(1-0)_Primary Portrait_0cm_Ch23230_10M_Earphone

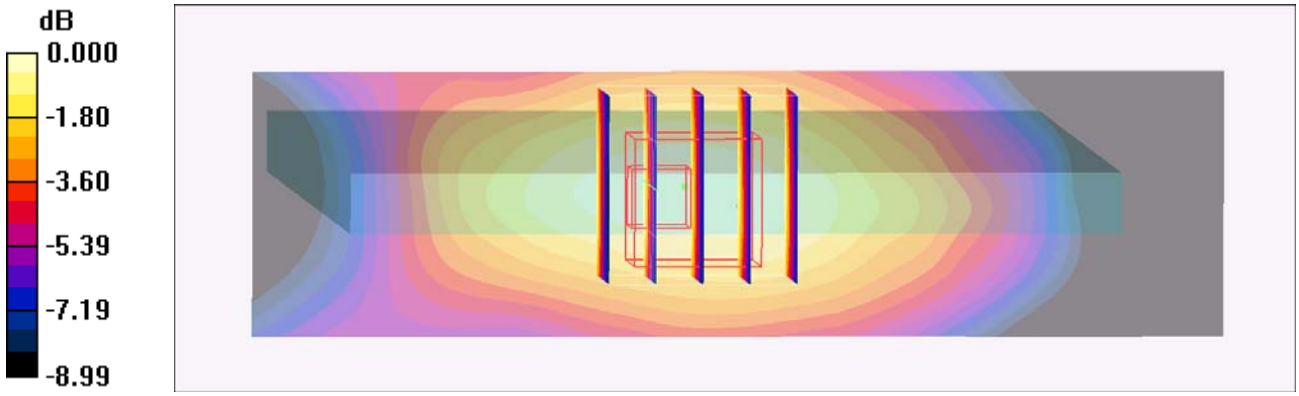
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.065 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.81 V/m; Power Drift = 0.173 dB
Peak SAR (extrapolated) = 0.098 W/kg
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.066 mW/g



0 dB = 0.066mW/g

#51 LTE Band 13_16QAM(1-49)_Primary Portrait_0cm_Ch23230_10M_Earphone

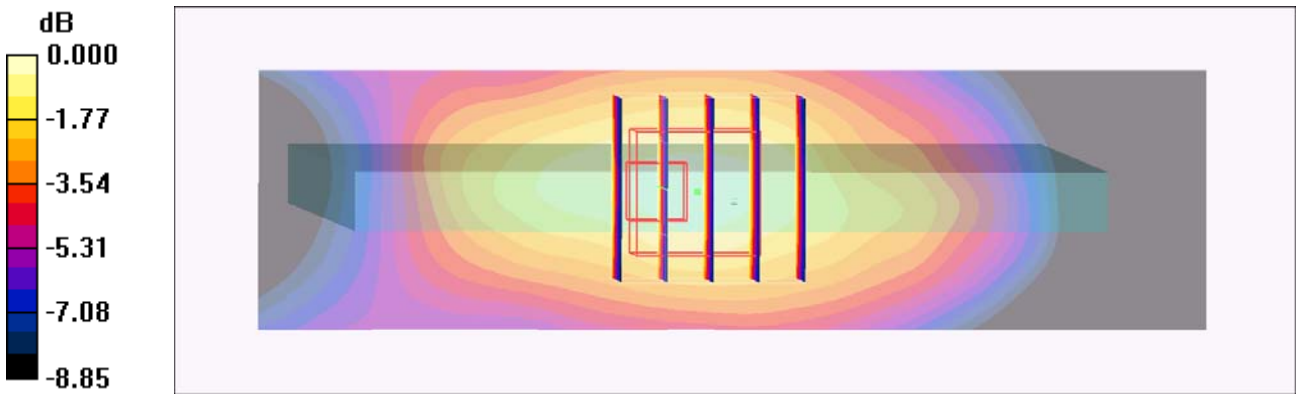
DUT: 1O2838

Communication System: LTE; Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_111117 Medium parameters used: f = 782 MHz; σ = 0.986 mho/m; ε_r = 53.2; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃； Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(9.02, 9.02, 9.02); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch23230/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.072 mW/g

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.28 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 0.104 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.076 mW/g



0 dB = 0.076mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/12/26

#101 802.11b_Bottom Face_0cm_Ch11_Earphone

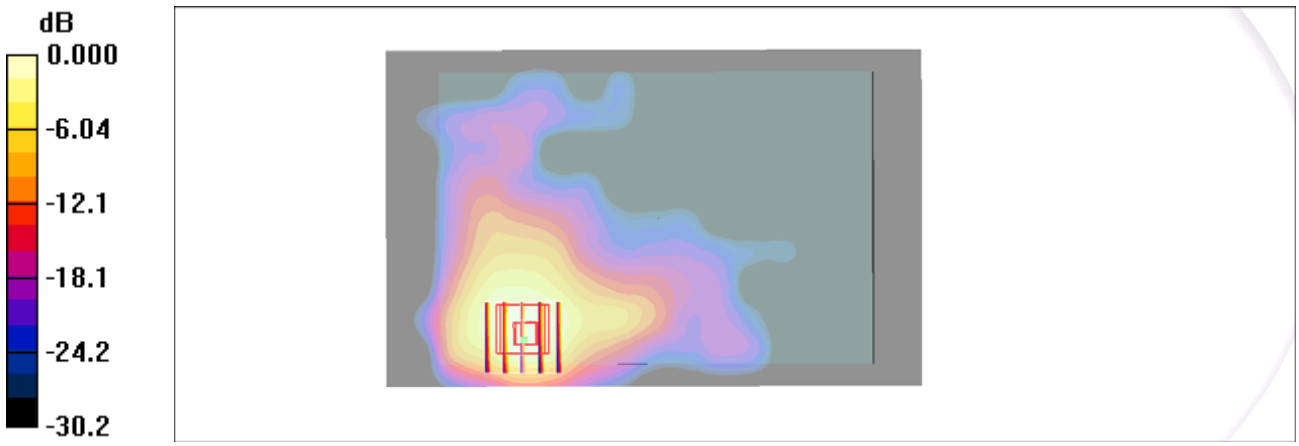
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (81x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.18 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.905 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.512 mW/g
Maximum value of SAR (measured) = 1.14 mW/g



0 dB = 1.14mW/g

#102 802.11b_Secondary Landscape_0cm_Ch11

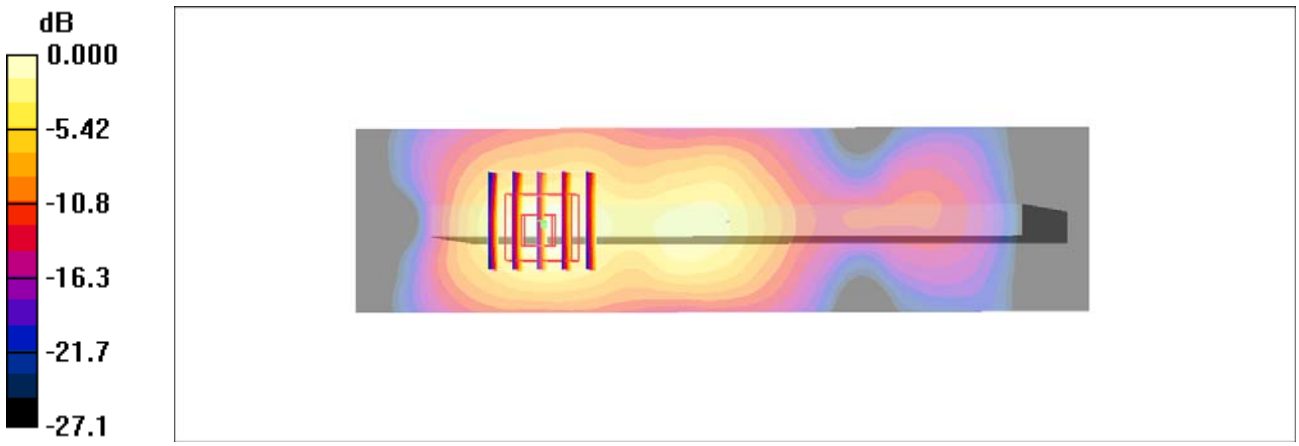
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (41x161x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.768 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.9 V/m; Power Drift = 0.019 dB
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.304 mW/g
Maximum value of SAR (measured) = 0.714 mW/g



0 dB = 0.714mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/12/26

#103 802.11b_Secondary Portrait_0cm_Ch11_Earphone

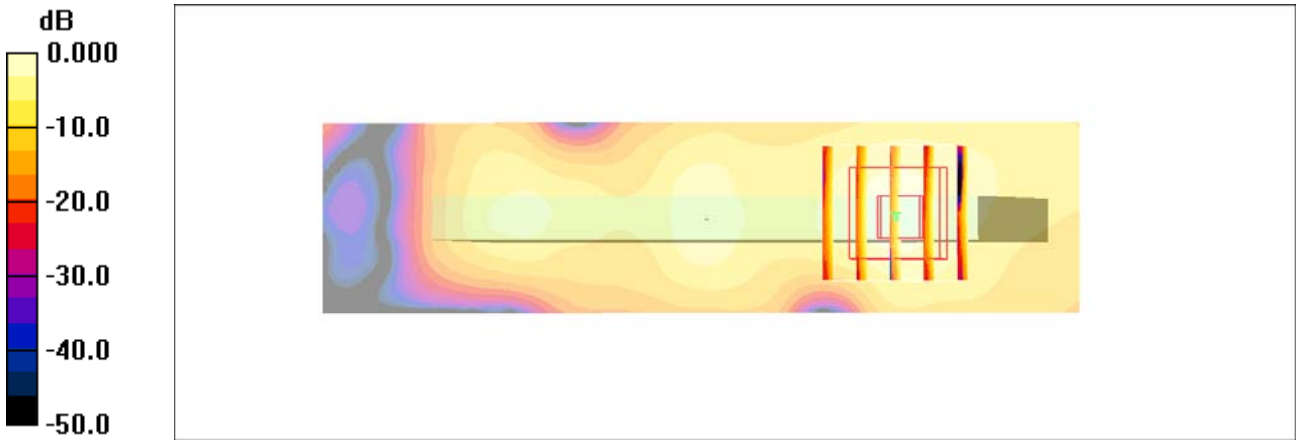
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.098 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.71 V/m; Power Drift = 0.074 dB
Peak SAR (extrapolated) = 0.258 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.046 mW/g
Maximum value of SAR (measured) = 0.137 mW/g



0 dB = 0.137mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/12/26

#104 802.11b_Bottom Face_0cm_Ch1_Earphone

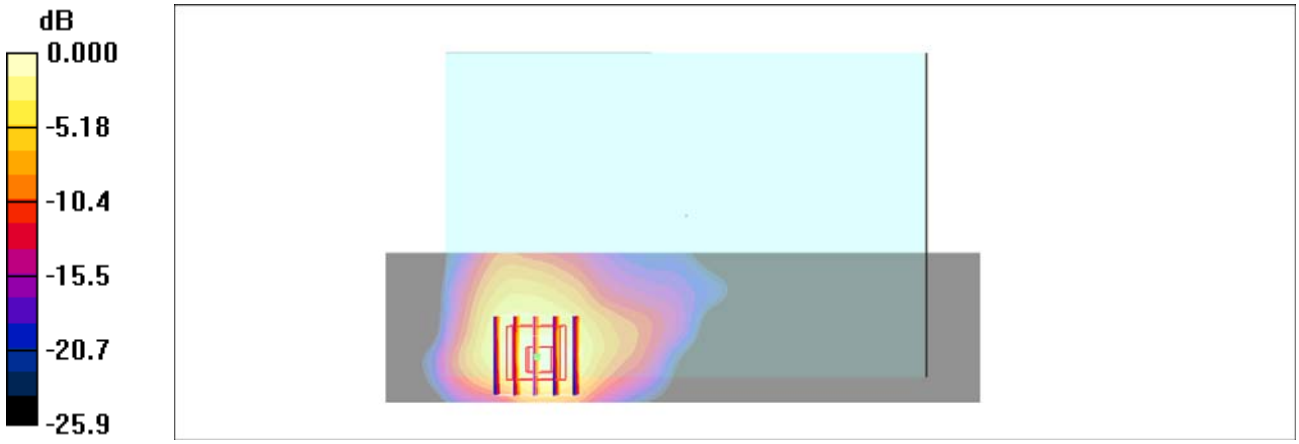
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2412 MHz; σ = 1.95 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.27 mW/g

Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.563 V/m; Power Drift = 0.117 dB
Peak SAR (extrapolated) = 2.22 W/kg
SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.506 mW/g
Maximum value of SAR (measured) = 1.10 mW/g



0 dB = 1.10mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/12/26

#105 802.11b_Bottom Face_0cm_Ch6_Earphone

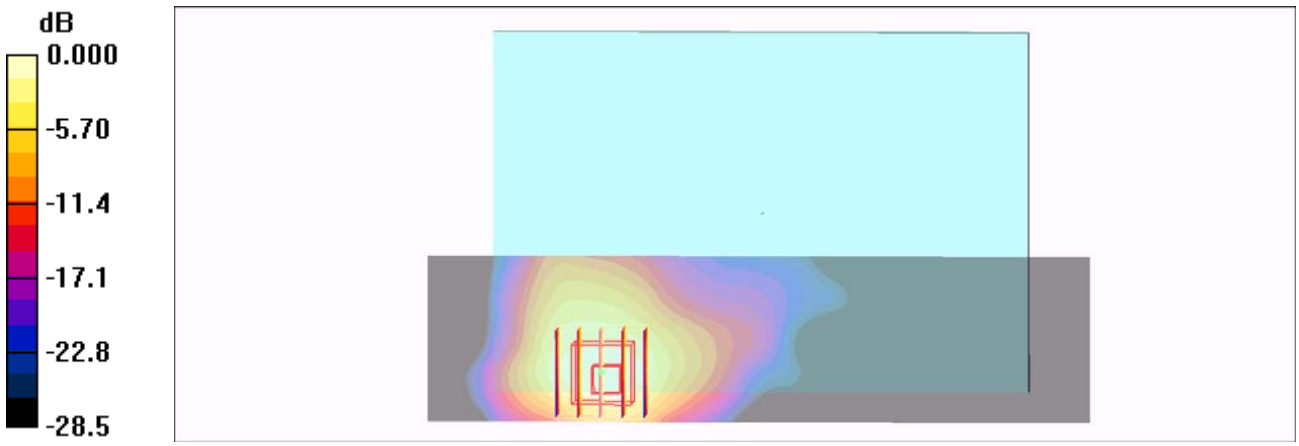
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch6/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.36 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.557 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.548 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



0 dB = 1.16mW/g

#105 802.11b_Bottom Face_0cm_Ch6_Earphone_2D

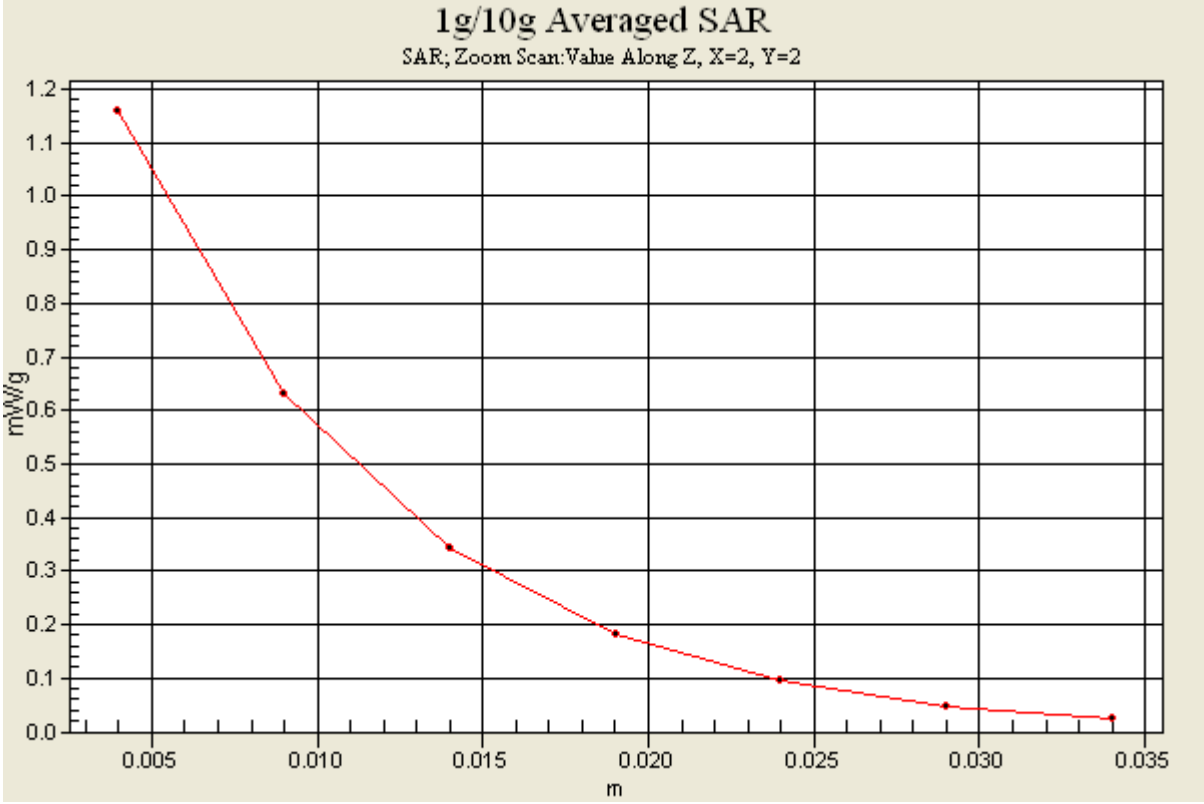
DUT: 1O2838

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch6/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 1.36 mW/g

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.557 V/m; Power Drift = 0.134 dB
Peak SAR (extrapolated) = 2.38 W/kg
SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.548 mW/g
Maximum value of SAR (measured) = 1.16 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/12/26

#106 802.11b_Secondary Landscape_0.75cm_Ch11

DUT: 1O2838

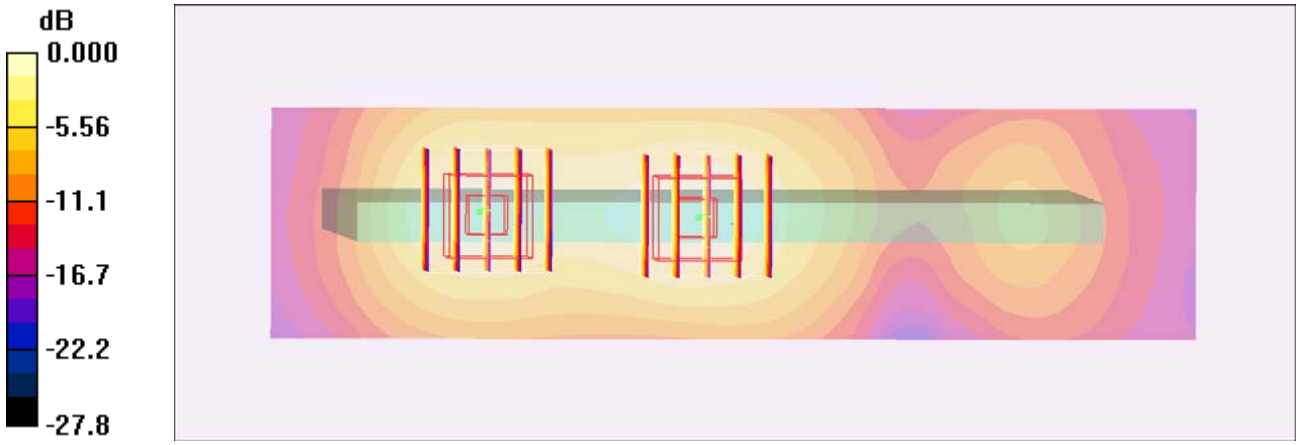
Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_111226 Medium parameters used: f = 2462 MHz; σ = 2.03 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Ambient Temperature：22.6 ℃; Liquid Temperature：21.6 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(6.67, 6.67, 6.67); Calibrated: 2011/6/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2011/11/22
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch11/Area Scan (31x111x1): Measurement grid: dx=20mm, dy=20mm
Maximum value of SAR (interpolated) = 0.237 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.94 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.116 mW/g
Maximum value of SAR (measured) = 0.239 mW/g

Ch11/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.94 V/m; Power Drift = 0.003 dB
Peak SAR (extrapolated) = 0.381 W/kg
SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.098 mW/g
Maximum value of SAR (measured) = 0.211 mW/g



0 dB = 0.211mW/g

#107 802.11a_Bottom Face_0cm_Ch48_Earphone

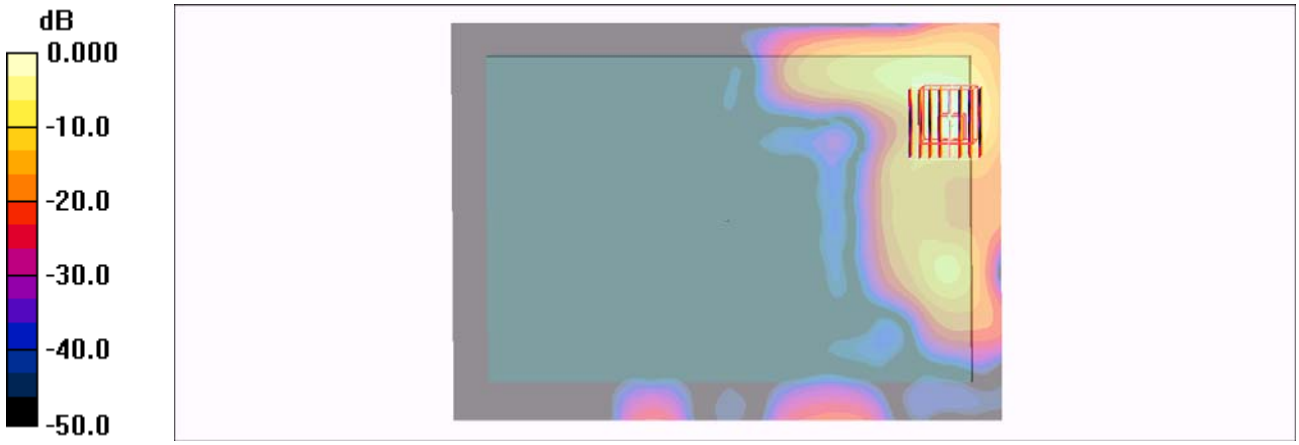
DUT: 1O2838

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5240 MHz; σ = 5.36 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (161x221x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.26 mW/g

Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 1.22 mW/g



0 dB = 1.22mW/g

#108 802.11a_Primary Portrait_0cm_Ch48_Earphone

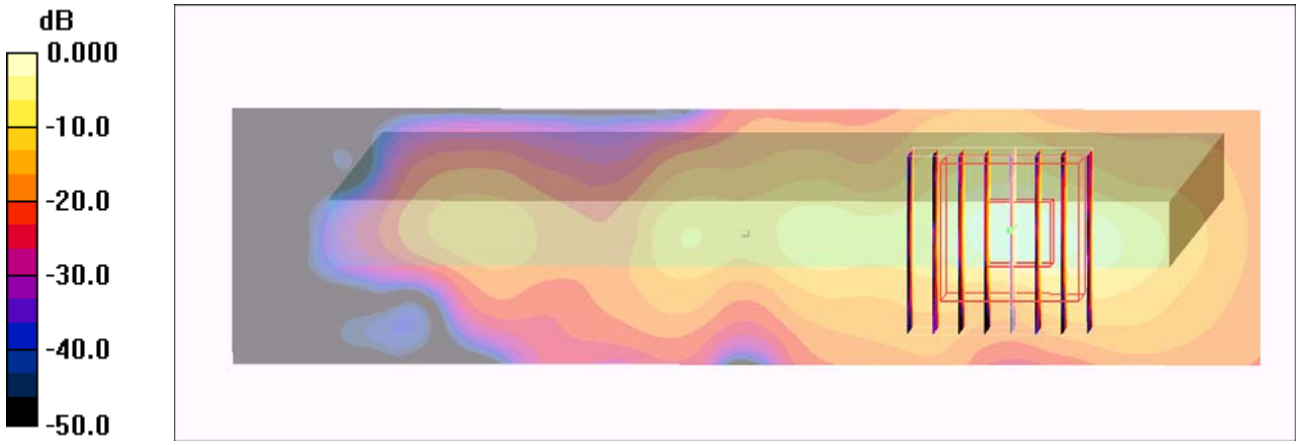
DUT: 1O2838

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5240 MHz; σ = 5.36 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.71 mW/g

Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.50 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



0 dB = 1.70mW/g

#108 802.11a_Primary Portrait_0cm_Ch48_Earphone_2D

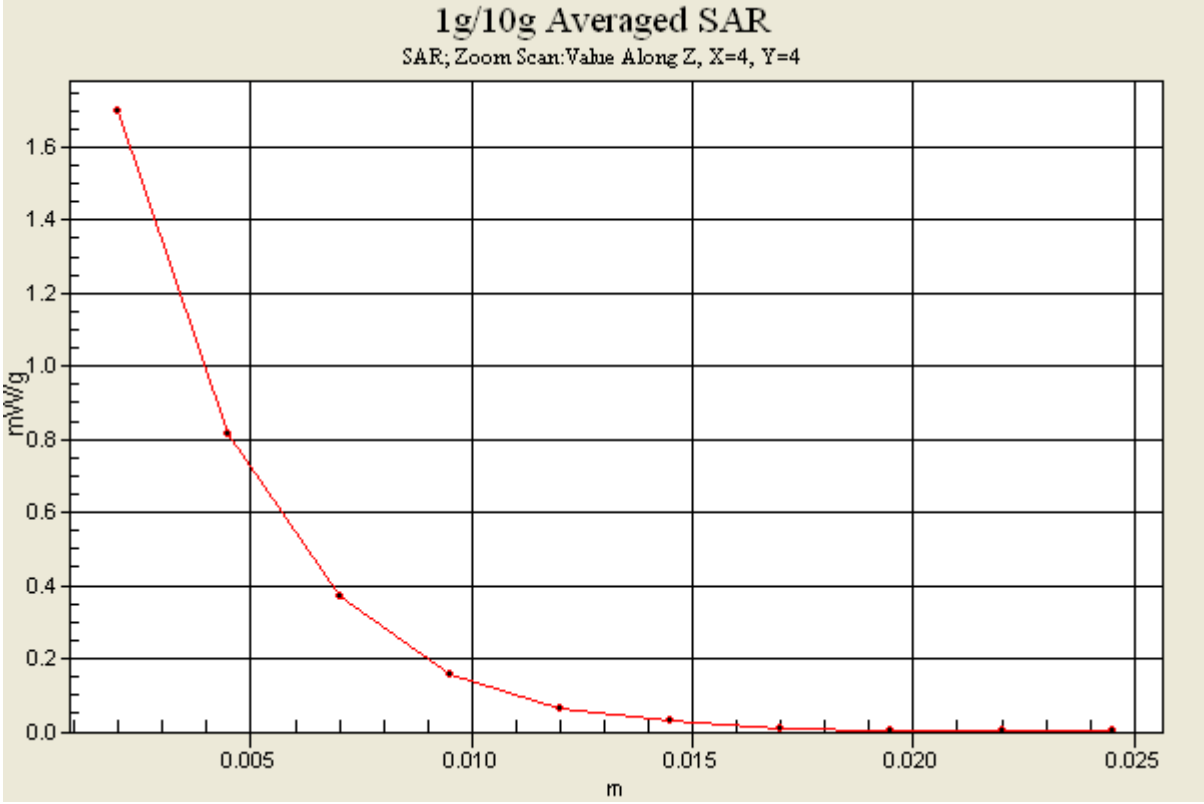
DUT: 1O2838

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5240 MHz; σ = 5.36 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.71 mW/g

Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.50 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.179 mW/g
Maximum value of SAR (measured) = 1.70 mW/g



#109 802.11a_Primary Landscape_0cm_Ch48_Earphone

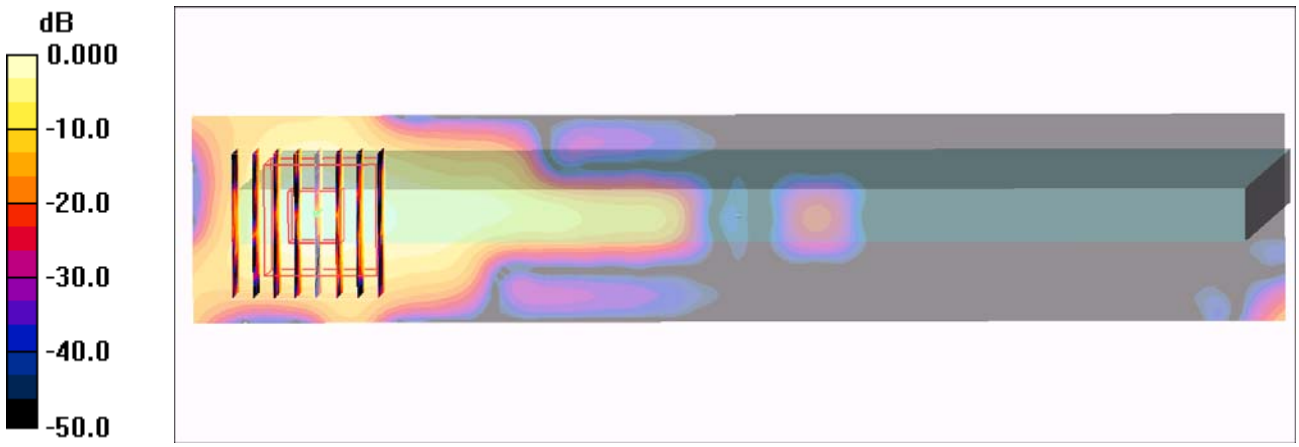
DUT: 1O2838

Communication System: 802.11a; Frequency: 5240 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5240 MHz; σ = 5.36 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch48/Area Scan (41x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.225 mW/g

Ch48/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 1.10 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.339 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.028 mW/g
Maximum value of SAR (measured) = 0.196 mW/g



0 dB = 0.196mW/g

#147 802.11a_Bottom Face_0cm_Ch64_Earphone

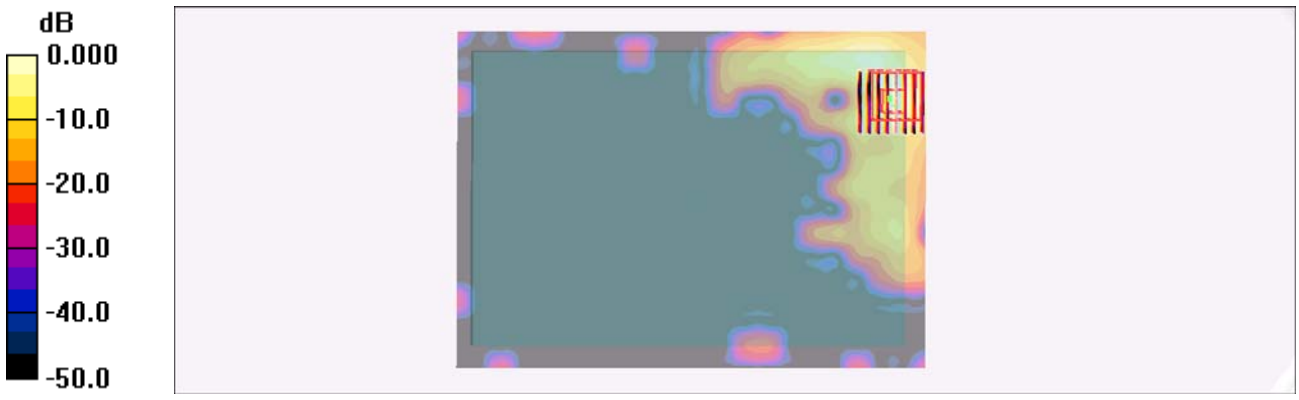
DUT: 1O2838

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5320 MHz; σ = 5.47 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (151x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.68 mW/g

Ch64/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.173 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 3.50 W/kg
SAR(1 g) = 0.844 mW/g; SAR(10 g) = 0.235 mW/g
Maximum value of SAR (measured) = 1.72 mW/g



0 dB = 1.72mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/22

#148 802.11a_Primary Portrait_0cm_Ch64_Earphone

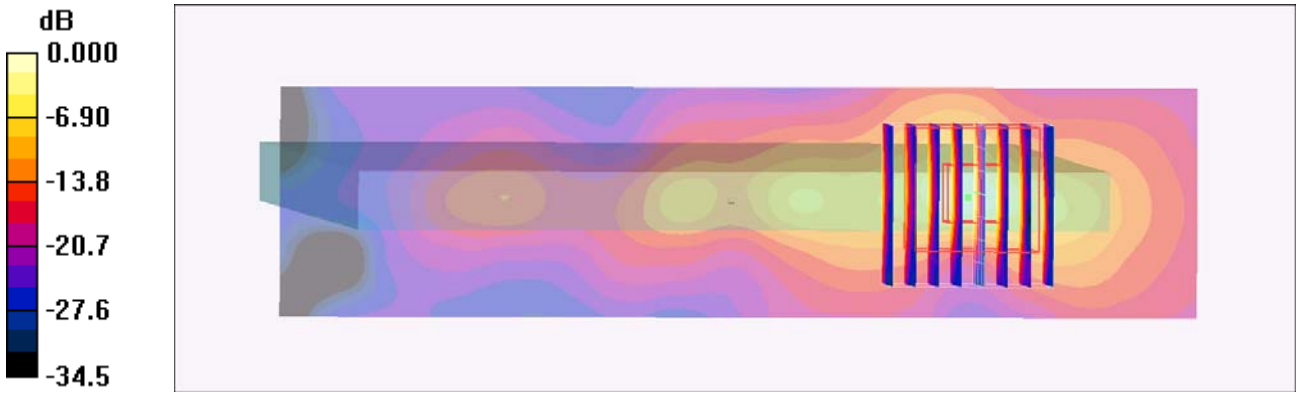
DUT: 1O2838

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: MSL_5G Medium parameters used : f = 5320 MHz; σ = 5.47 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.94 mW/g

Ch64/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.81 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 6.06 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.309 mW/g
Maximum value of SAR (measured) = 3.15 mW/g



0 dB = 3.15mW/g

#149 802.11a_Primary Landscape_0cm_Ch64_Earphone

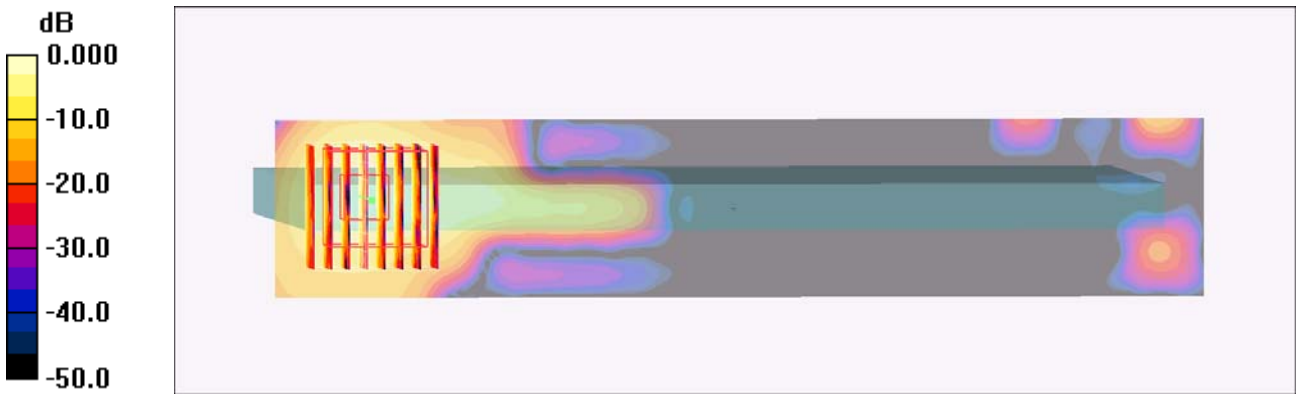
DUT: 1O2838

Communication System: 802.11a; Frequency: 5320 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5320 MHz; σ = 5.47 mho/m; ε_r = 48.9; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch64/Area Scan (41x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.483 mW/g

Ch64/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.394 V/m; Power Drift = -0.141 dB
Peak SAR (extrapolated) = 0.964 W/kg
SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.076 mW/g
Maximum value of SAR (measured) = 0.516 mW/g



0 dB = 0.516mW/g

#150 802.11a_Bottom Face_0cm_Ch52_Earphone

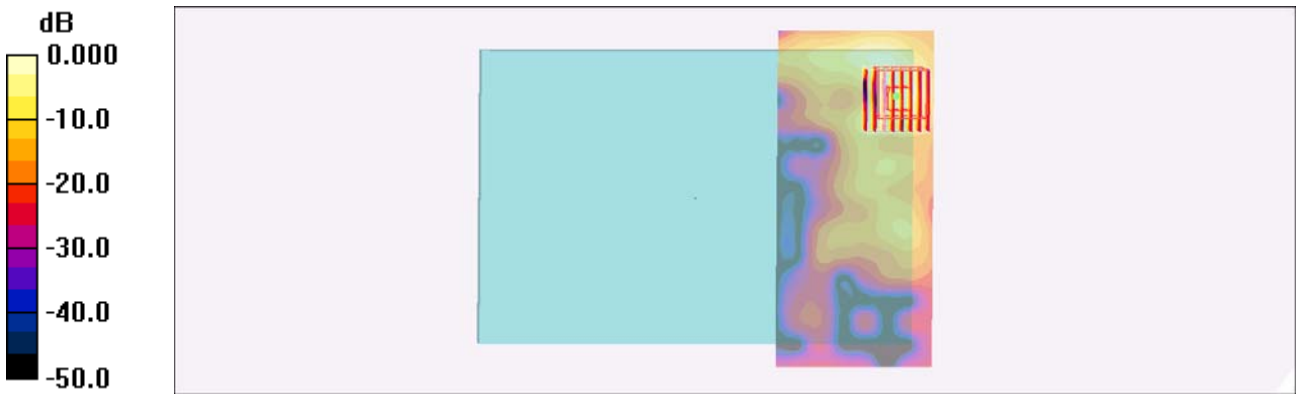
DUT: 1O2838

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5260 MHz; σ = 5.39 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch52/Area Scan (151x71x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.11 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 4.04 W/kg
SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.292 mW/g
Maximum value of SAR (measured) = 1.94 mW/g



0 dB = 1.94mW/g

#151 802.11a_Primary Portrait_0cm_Ch52_Earphone

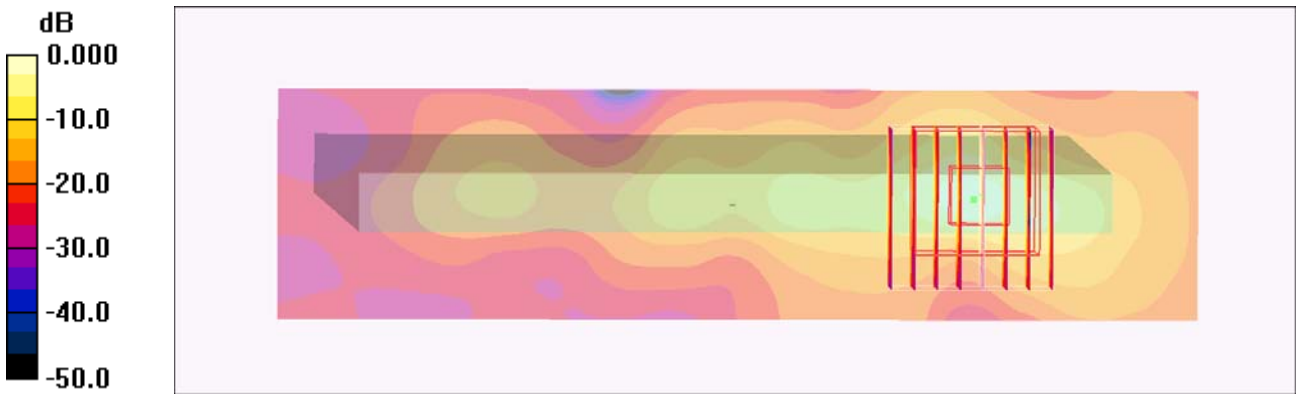
DUT: 1O2838

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5260 MHz; σ = 5.39 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch52/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.76 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.34 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 6.43 W/kg
SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 3.32 mW/g



0 dB = 3.32mW/g

#151 802.11a_Primary Portrait_0cm_Ch52_Earphone_2D

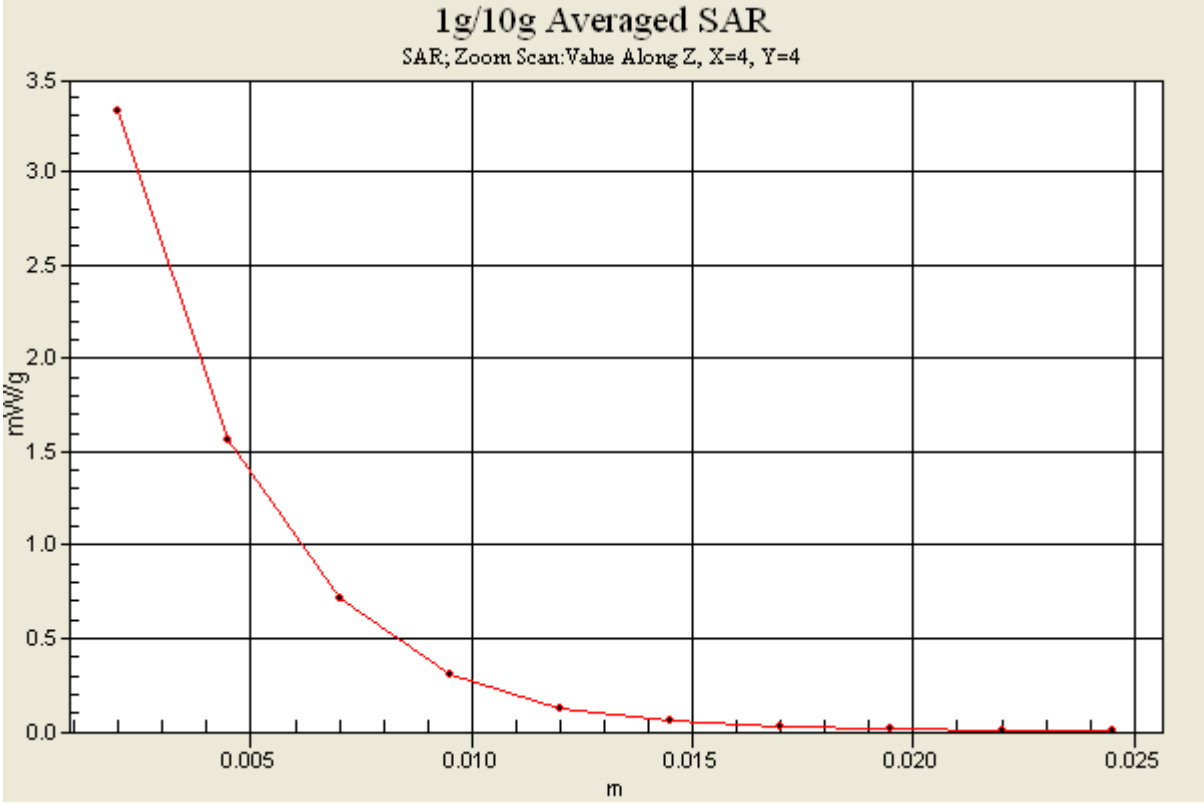
DUT: 1O2838

Communication System: 802.11a; Frequency: 5260 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5260 MHz; σ = 5.39 mho/m; ε_r = 49.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.93, 3.93, 3.93); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch52/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.76 mW/g

Ch52/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 4.34 V/m; Power Drift = 0.105 dB
Peak SAR (extrapolated) = 6.43 W/kg
SAR(1 g) = 1.4 mW/g; SAR(10 g) = 0.332 mW/g
Maximum value of SAR (measured) = 3.32 mW/g



Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2011/11/22

#152 802.11a_Bottom Face_0cm_Ch104_Earphone

DUT: 1O2838

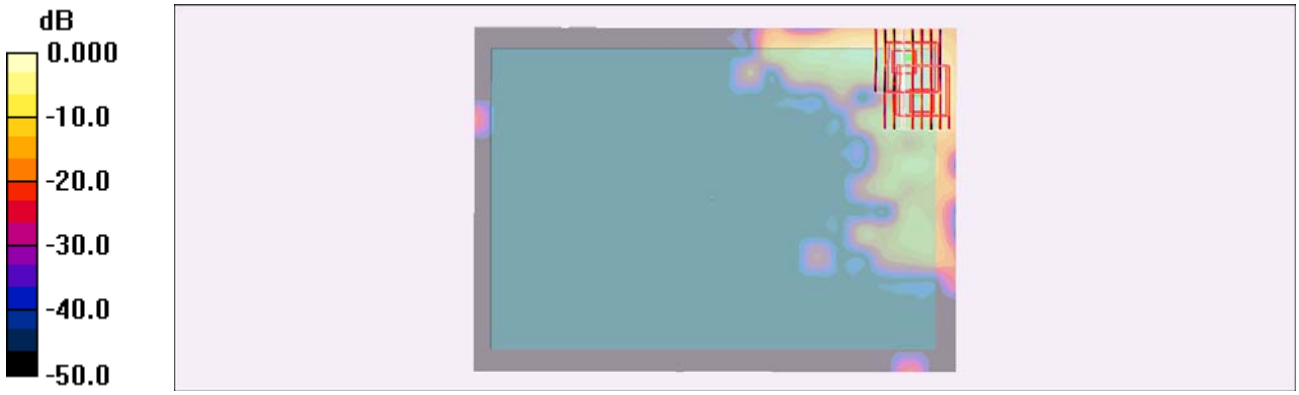
Communication System: 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5520 MHz; σ = 5.76 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch104/Area Scan (151x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.15 mW/g

Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 2.40 W/kg
SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.154 mW/g
Maximum value of SAR (measured) = 1.17 mW/g

Ch104/Zoom Scan (8x8x10)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.000 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.142 mW/g



0 dB = 1.17mW/g

#153 802.11a_Primary Portrait_0cm_Ch104_Earphone

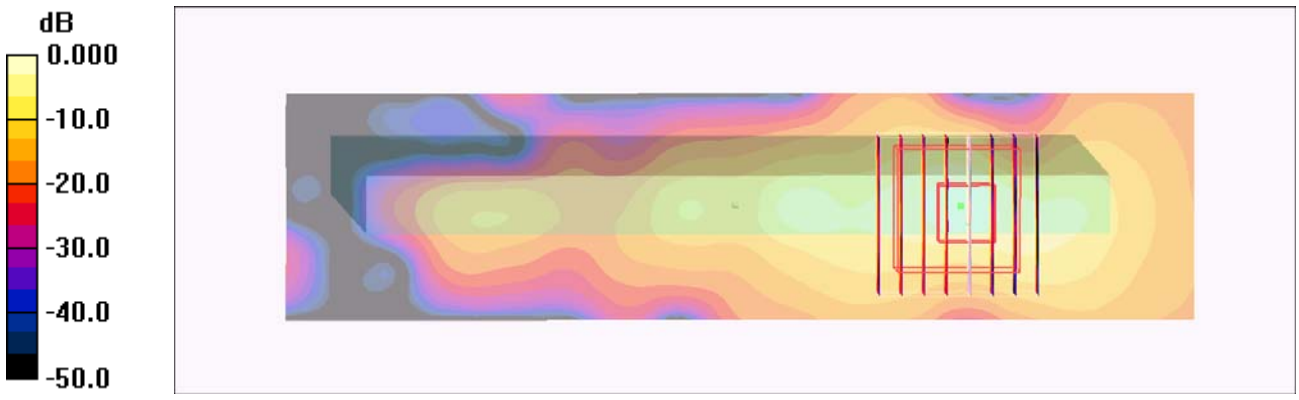
DUT: 1O2838

Communication System: 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5520 MHz; σ = 5.76 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch104/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.95 mW/g

Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.53 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.87 mW/g



0 dB = 1.87mW/g

#153 802.11a_Primary Portrait_0cm_Ch104_Earphone_2D

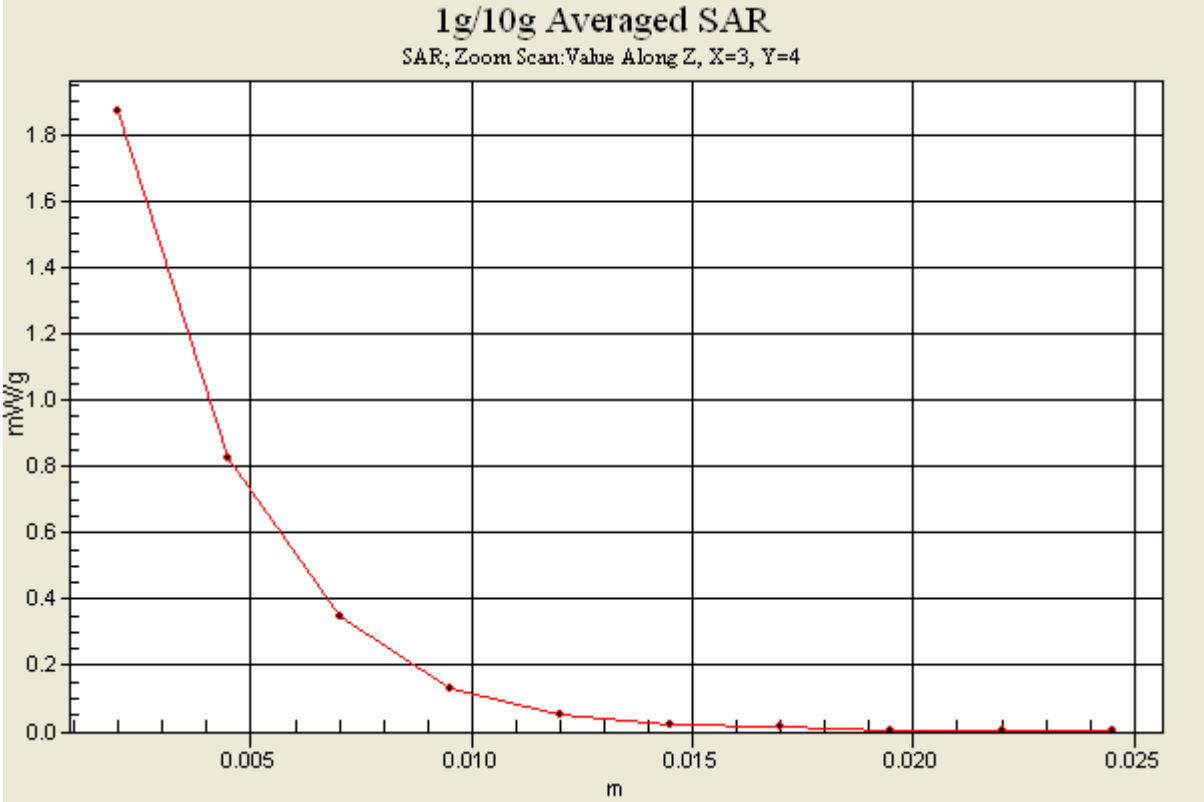
DUT: 1O2838

Communication System: 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5520 MHz; σ = 5.76 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch104/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.95 mW/g

Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.53 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.191 mW/g
Maximum value of SAR (measured) = 1.87 mW/g



#154 802.11a_Primary Landscape_0cm_Ch104_Earphone

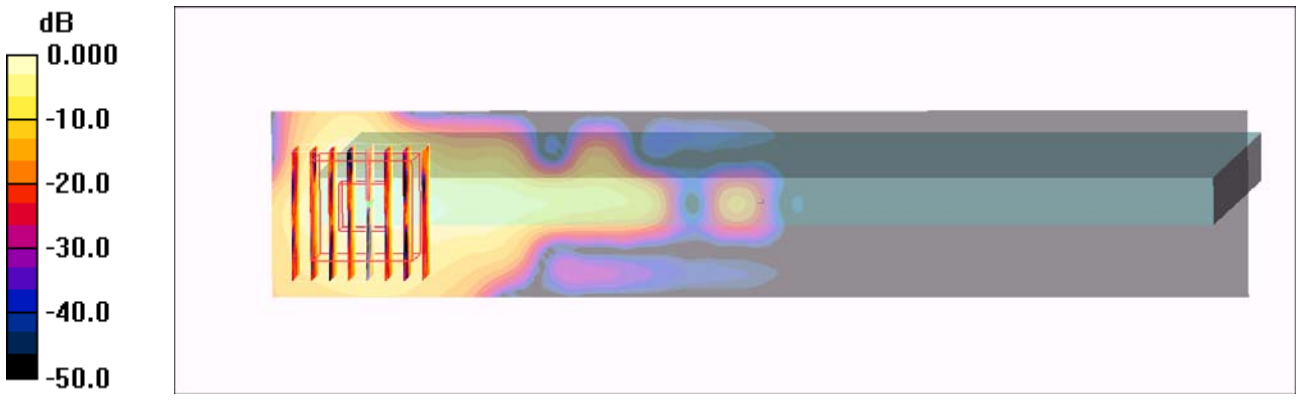
DUT: 1O2838

Communication System: 802.11a; Frequency: 5520 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5520 MHz; σ = 5.76 mho/m; ε_r = 48.5; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch104/Area Scan (41x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.387 mW/g

Ch104/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.011 dB
Peak SAR (extrapolated) = 0.724 W/kg
SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.052 mW/g
Maximum value of SAR (measured) = 0.364 mW/g



0 dB = 0.364mW/g

#155 802.11a_Primary Portrait_0cm_Ch116_Earphone

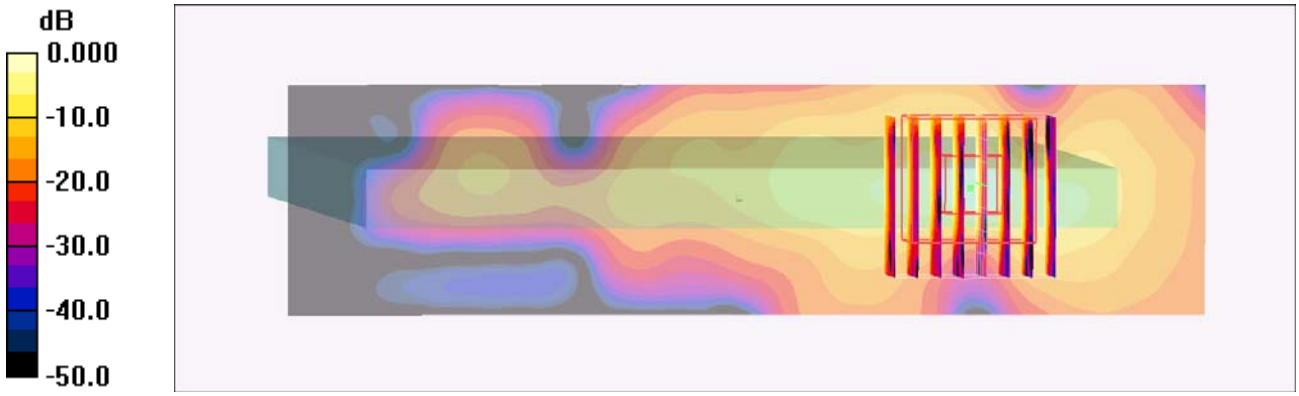
DUT: 1O2838

Communication System: 802.11a; Frequency: 5580 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5580 MHz; σ = 5.84 mho/m; ε_r = 48.3; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch116/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.69 mW/g

Ch116/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.34 V/m; Power Drift = 0.178 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 0.766 mW/g; SAR(10 g) = 0.177 mW/g
Maximum value of SAR (measured) = 1.87 mW/g



0 dB = 1.87mW/g

#157 802.11a_Primary Portrait_0cm_Ch136_Earphone

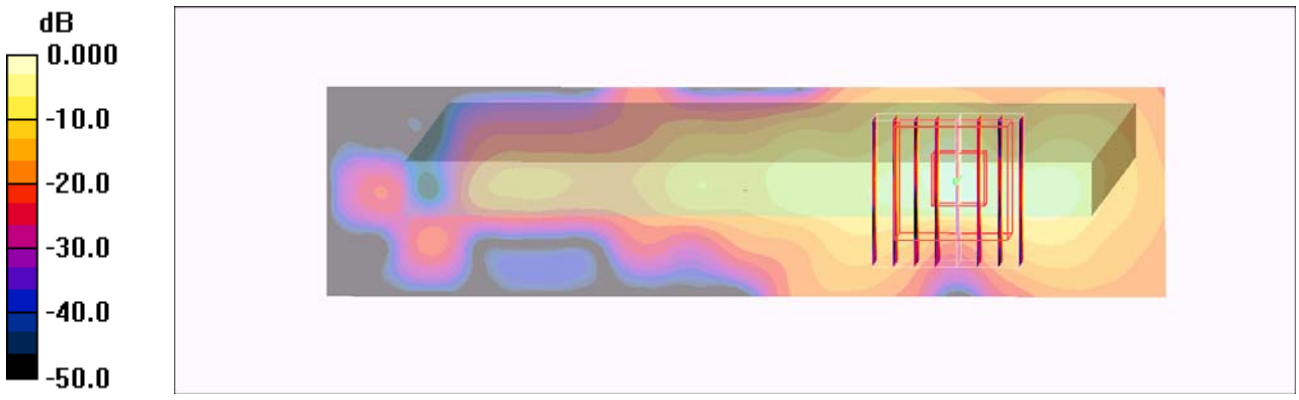
DUT: 1O2838

Communication System: 802.11a; Frequency: 5680 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5680 MHz; σ = 5.99 mho/m; ε_r = 48.1; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.53, 3.53, 3.53); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch136/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.52 mW/g

Ch136/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.26 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 3.31 W/kg
SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.150 mW/g
Maximum value of SAR (measured) = 1.68 mW/g



0 dB = 1.68mW/g

#110 802.11a_Bottom Face_0cm_Ch149_Earphone

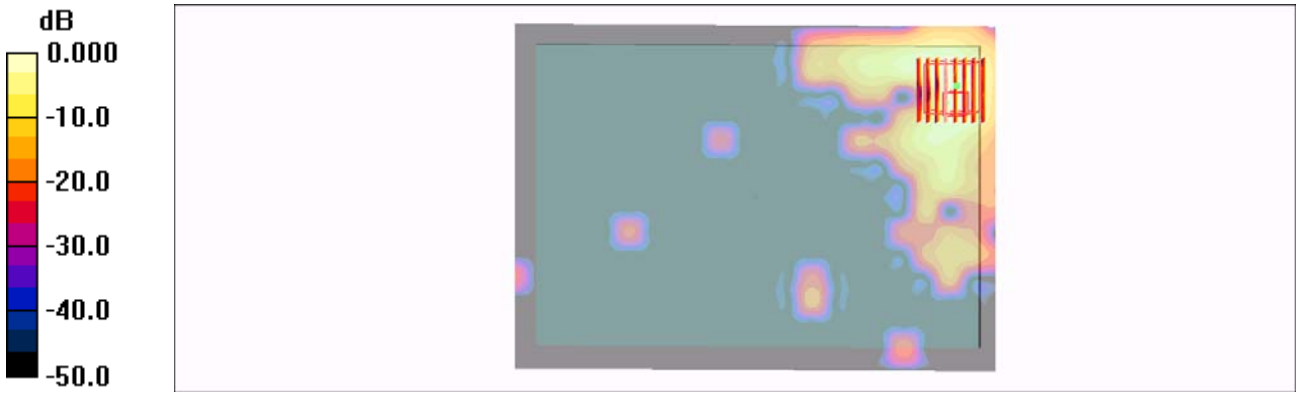
DUT: 1O2838

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5745 MHz; σ = 6.06 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (151x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.04 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.012 dB
Peak SAR (extrapolated) = 2.18 W/kg
SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.158 mW/g
Maximum value of SAR (measured) = 1.05 mW/g



0 dB = 1.05mW/g

#111 802.11a_Primary Portrait_0cm_Ch149_Earphone

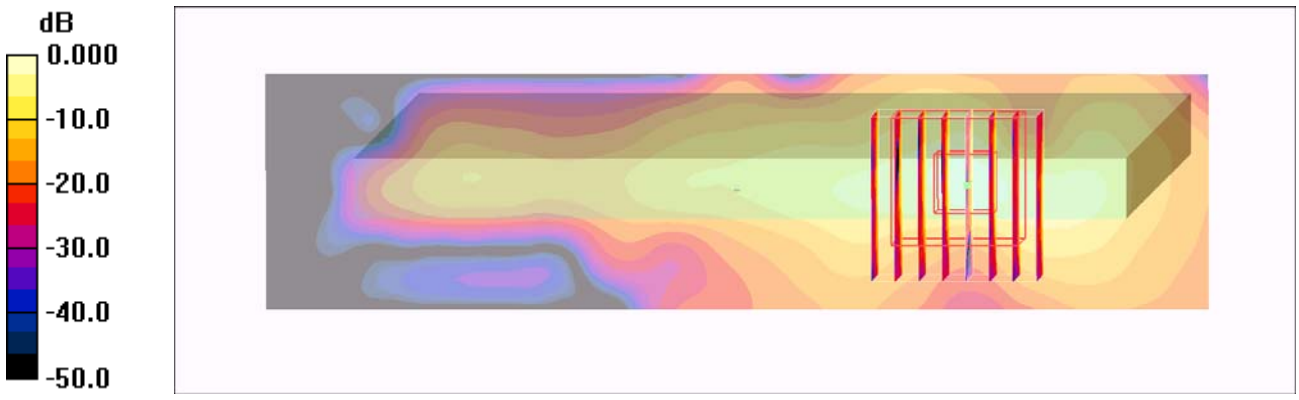
DUT: 1O2838

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5745 MHz; σ = 6.06 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.46 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.90 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 1.60 mW/g



0 dB = 1.60mW/g

#111 802.11a_Primary Portrait_0cm_Ch149_Earphone_2D

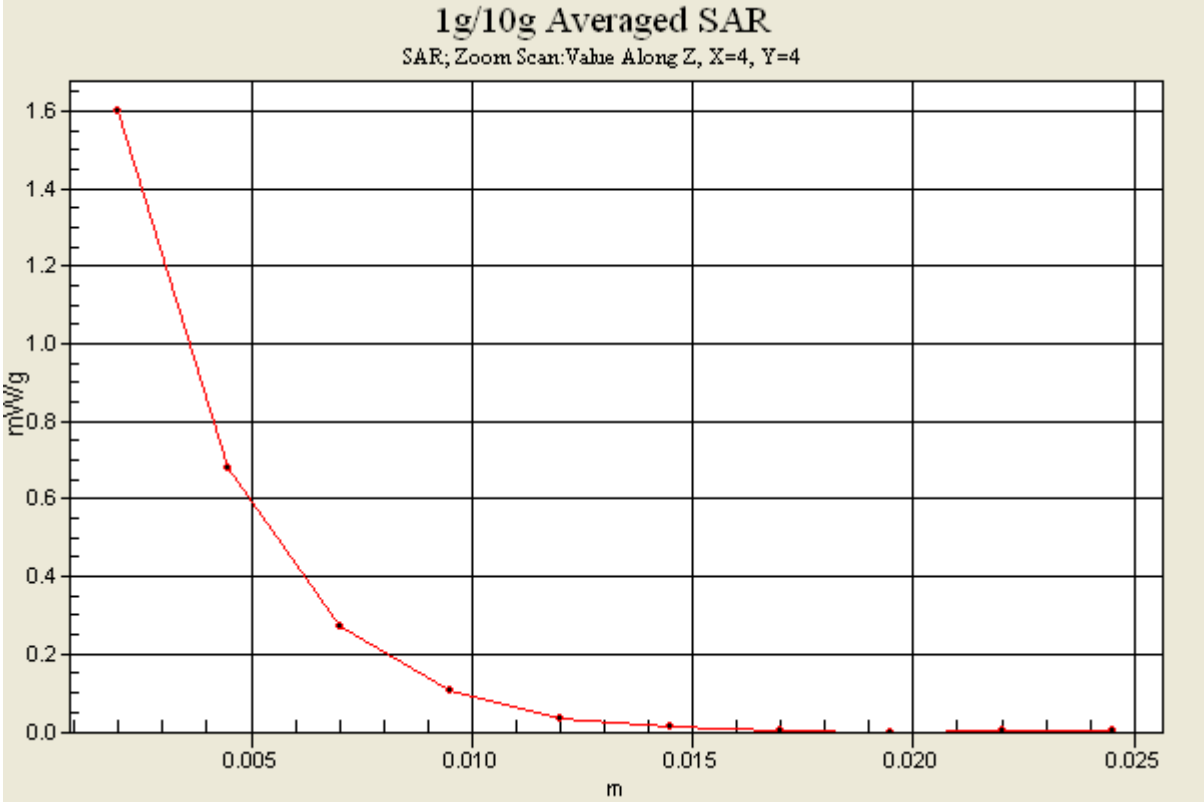
DUT: 1O2838

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5745 MHz; σ = 6.06 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃； Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (41x161x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.46 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 3.90 V/m; Power Drift = 0.051 dB
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 0.651 mW/g; SAR(10 g) = 0.148 mW/g
Maximum value of SAR (measured) = 1.60 mW/g



#112 802.11a_Primary Landscape_0cm_Ch149_Earphone

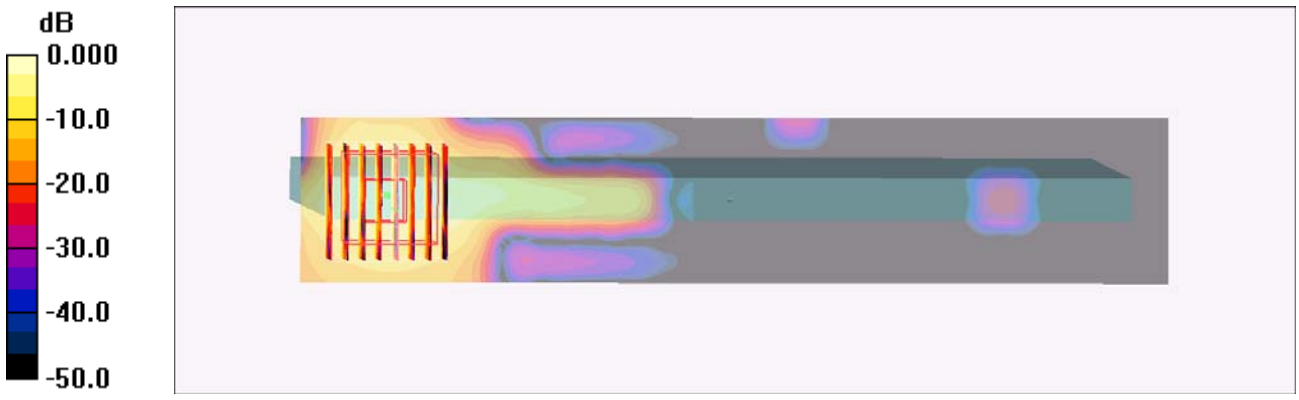
DUT: 1O2838

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium: MSL_5G_111122 Medium parameters used : f = 5745 MHz; σ = 6.06 mho/m; ε_r = 48; ρ = 1000 kg/m^3
Ambient Temperature：22.4 ℃; Liquid Temperature：21.4 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3792; ConvF(3.78, 3.78, 3.78); Calibrated: 2011/6/20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1279; Calibrated: 2011/6/17
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch149/Area Scan (41x211x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.433 mW/g

Ch149/Zoom Scan (8x8x10)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2.5mm
Reference Value = 0.000 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.764 W/kg
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.055 mW/g
Maximum value of SAR (measured) = 0.408 mW/g



0 dB = 0.408mW/g