SAR TEST PLOTS

- MODEL NAME : **SGP-1036**
- APPLICANT : **SUNGIL TELECOM CO., LTD.**
- EUT TYPE : **GSM850/PCS1900 Dual-Band WLL Phone**

1. GSM850 PLOTS

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

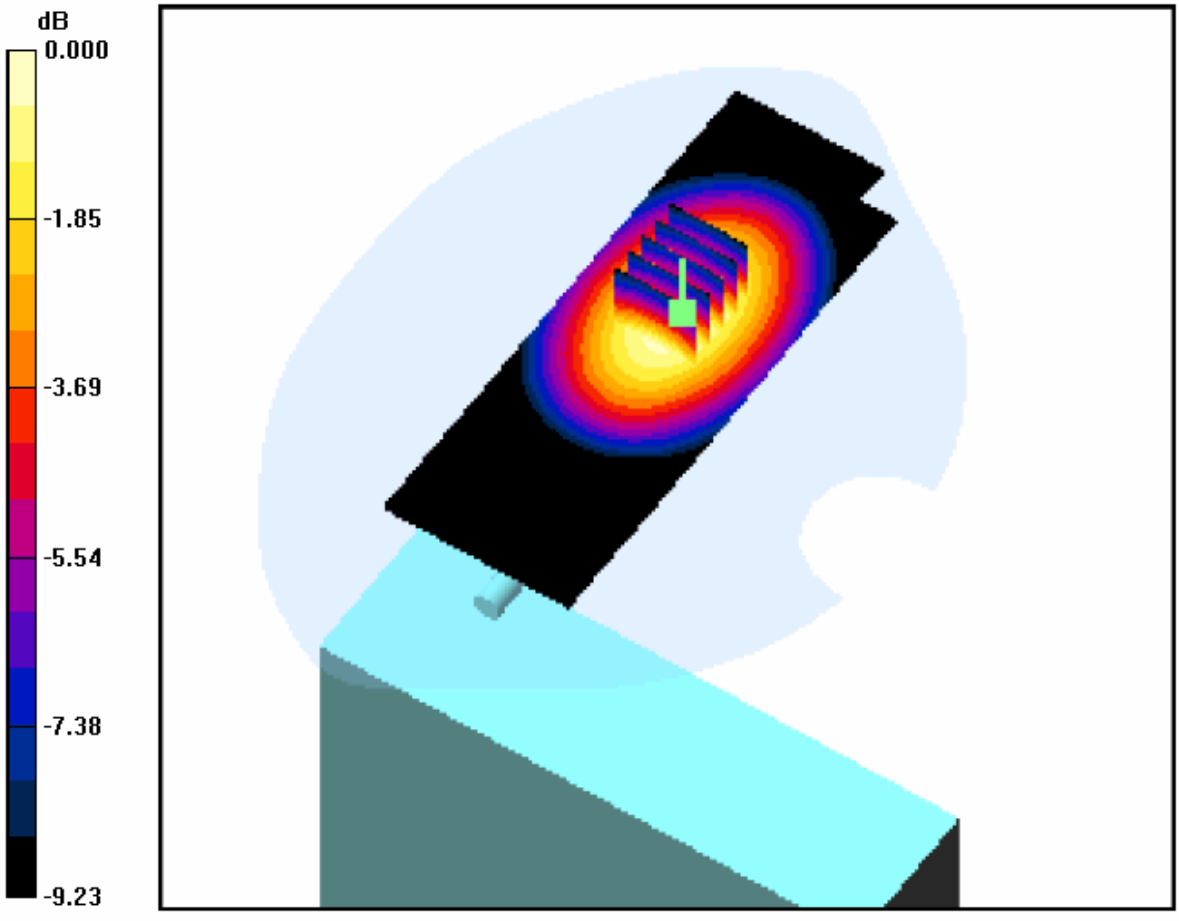
Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 824.2 MHz; σ = 0.971 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

2.5cm from Body, GSM Ch.128, Ant Fixed, Charger Mode

Area Scan (51x141x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.010 dB
Peak SAR (extrapolated) = 0.311 W/kg
SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.164 mW/g



0 dB = 0.248mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

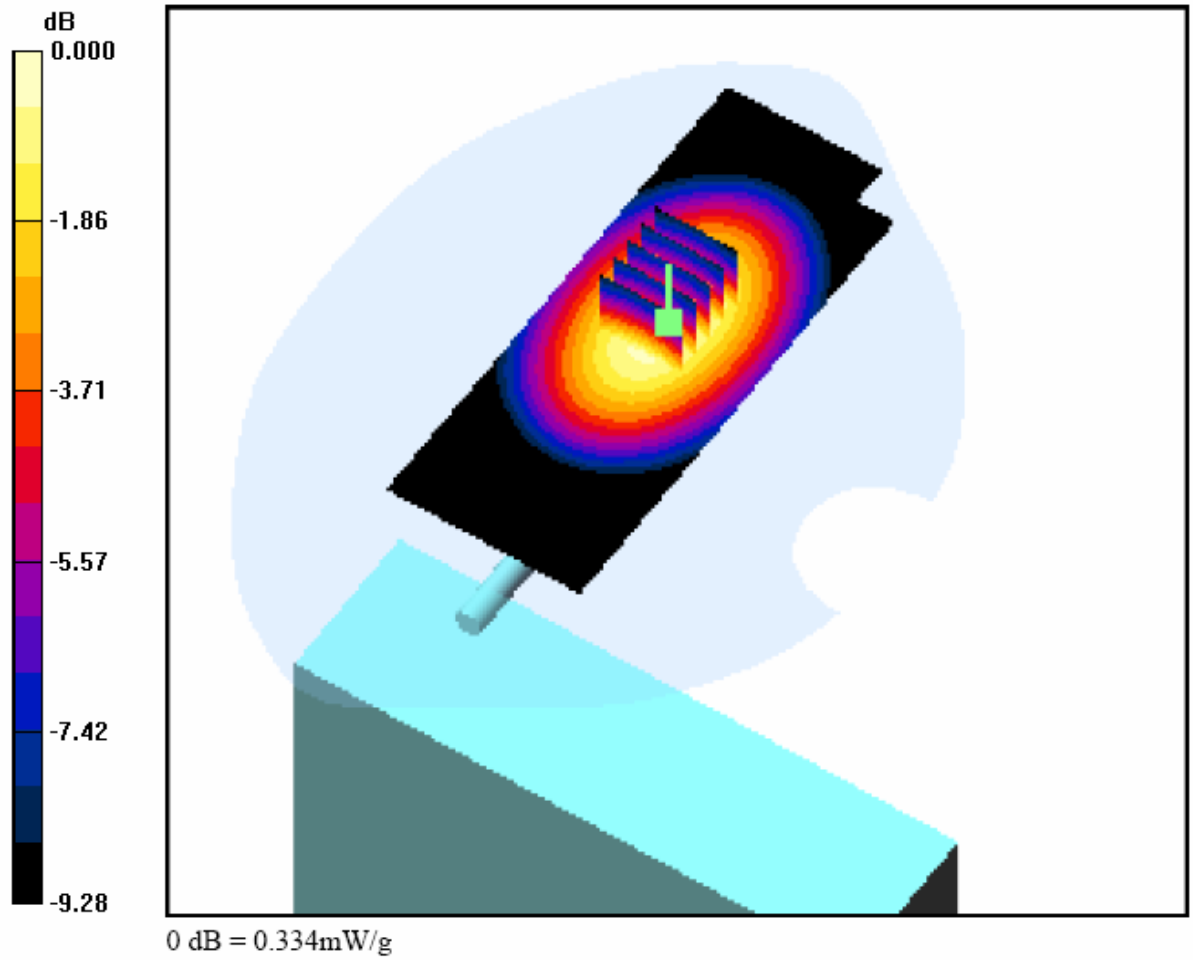
Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 836.6 MHz; σ = 0.983 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

2.5cm from Body, GSM Ch.190, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.003 dB
Peak SAR (extrapolated) = 0.423 W/kg
SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.220 mW/g



0 dB = 0.334mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

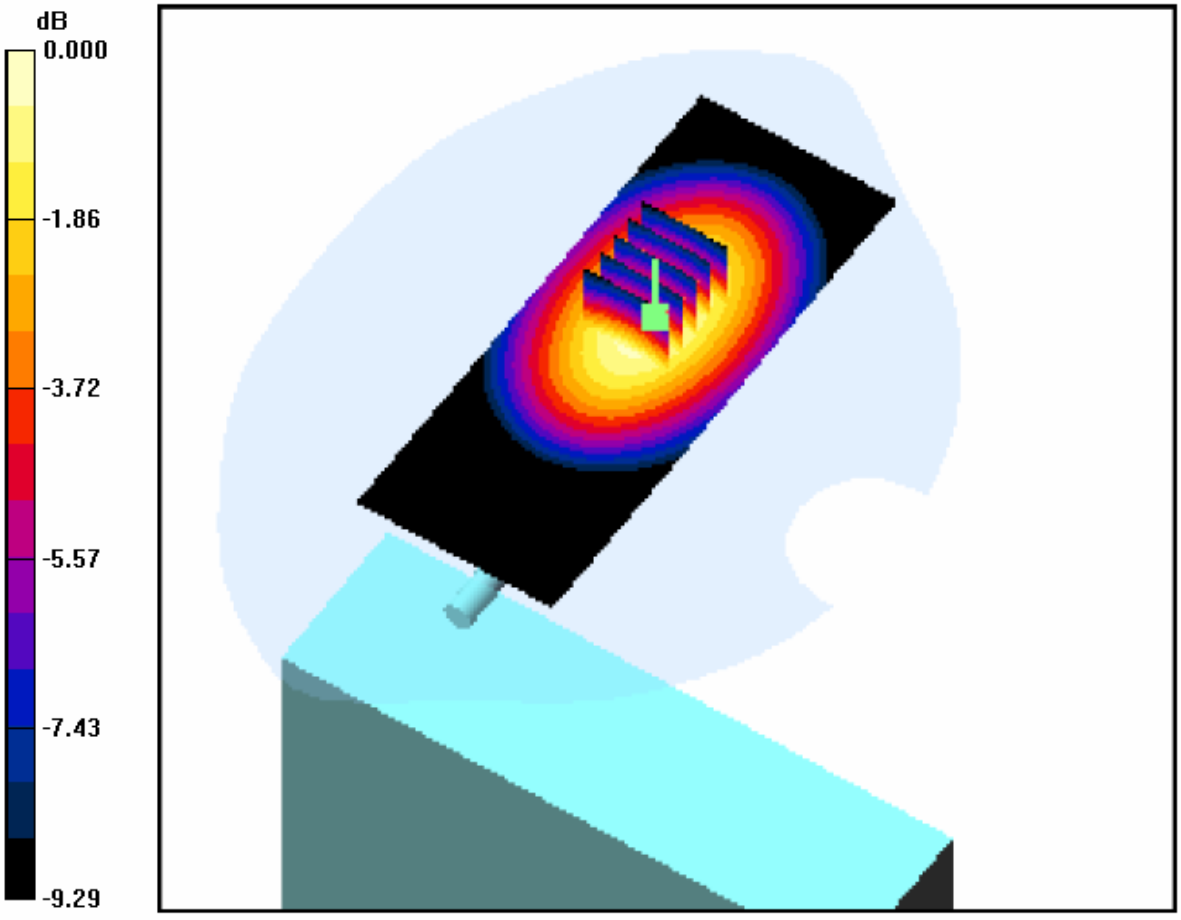
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

2.5cm from Body, GSM Ch.251, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = 0.039 dB
Peak SAR (extrapolated) = 0.464 W/kg
SAR(1 g) = 0.341 mW/g; SAR(10 g) = 0.239 mW/g



0 dB = 0.365mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

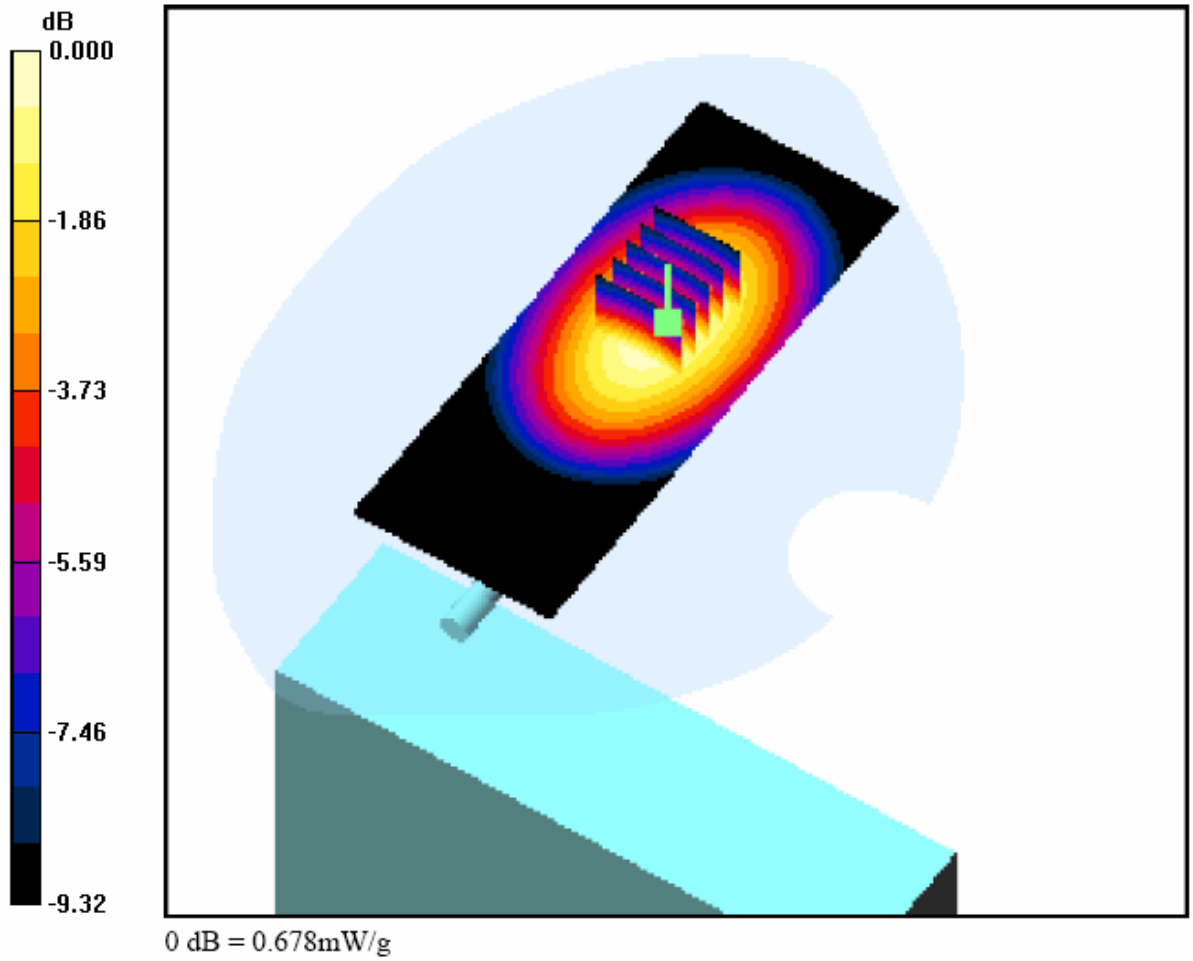
Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 848.8 MHz; σ = 0.996 mho/m; ε_r = 53.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

2.5cm from Body, GSM Ch.251, Ant Fixed, Charger Mode With GPRS

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.145 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.640 mW/g; SAR(10 g) = 0.451 mW/g



0 dB = 0.678mW/g

2. PCS1900 PLOTS

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

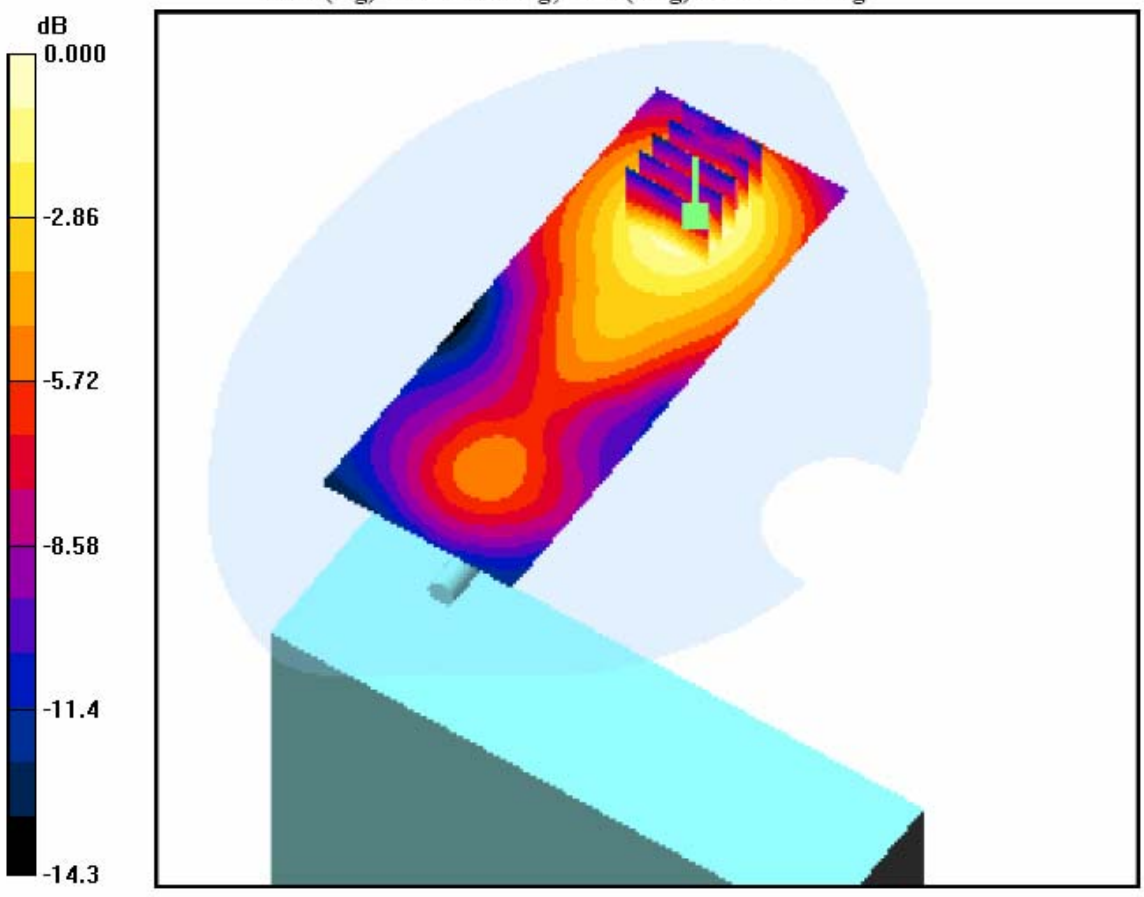
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-01; Ambient Temp: 21.5; Tissue Temp: 22.0

2.5cm from Body, PCS Ch.512, Ant Fixed, Charger Mode

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.159 dB
Peak SAR (extrapolated) = 0.071 W/kg
SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.028 mW/g



0 dB = 0.047mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

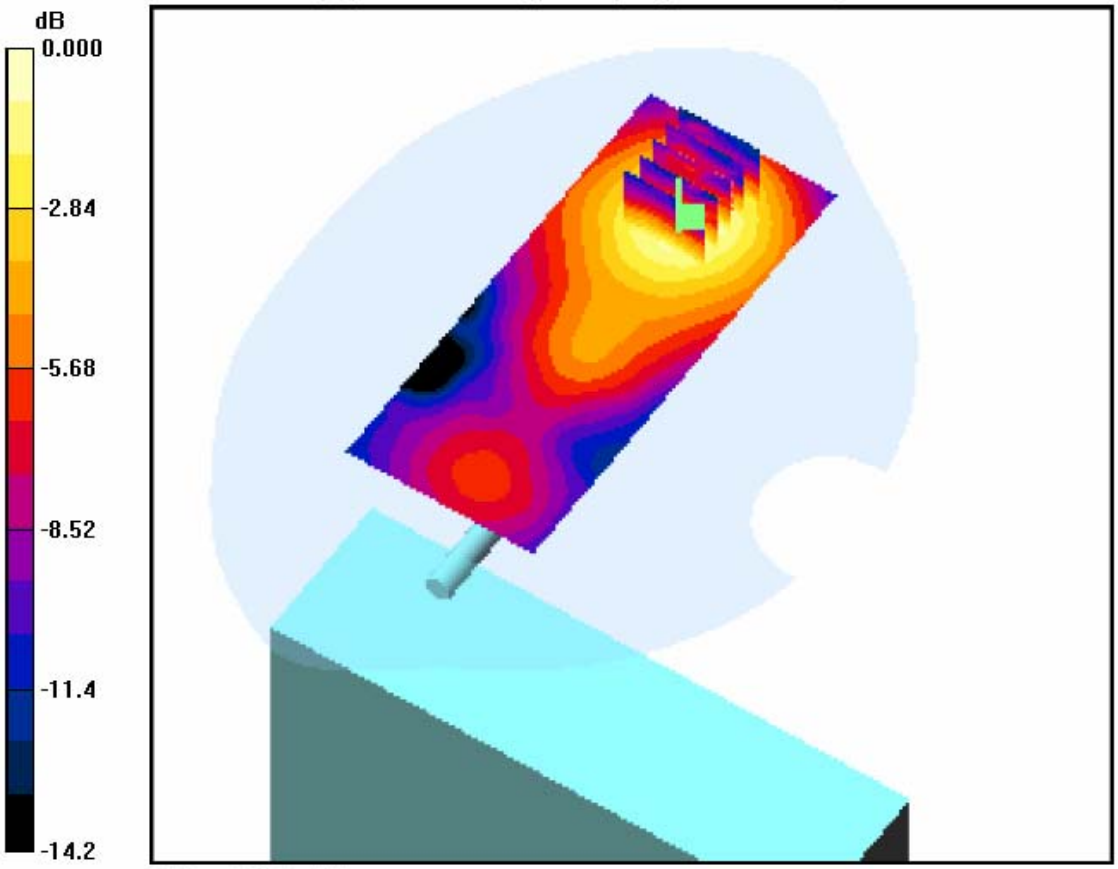
Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.55 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-01; Ambient Temp: 21.5; Tissue Temp: 22.0

2.5cm from Body, PCS Ch.661, Ant Fixed, Charger Mode

Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.190 dB
Peak SAR (extrapolated) = 0.056 W/kg
SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.022 mW/g



0 dB = 0.036mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

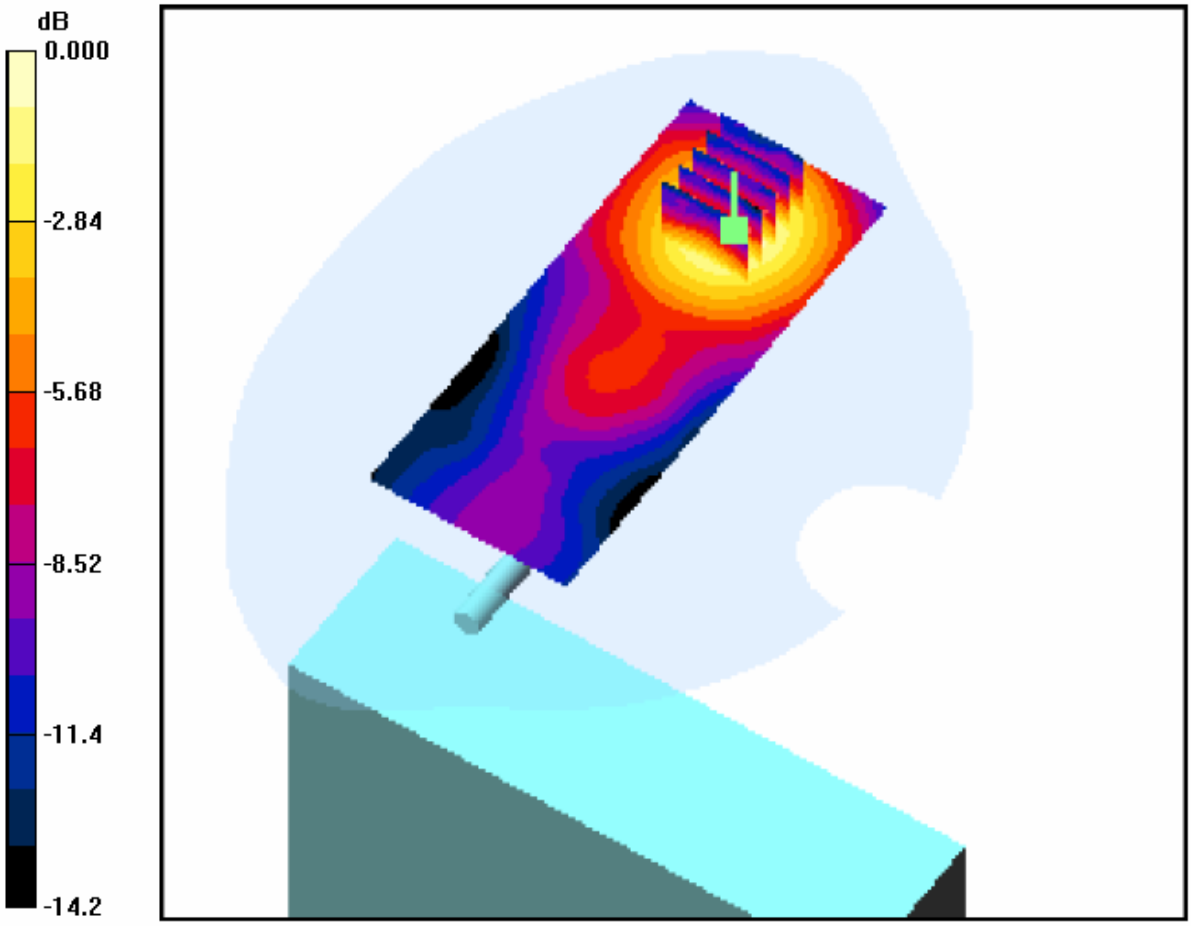
Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1909.8 MHz; σ = 1.57 mho/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-01; Ambient Temp: 21.5; Tissue Temp: 22.0

2.5cm from Body, PCS Ch.810, Ant Fixed, Charger Mode

Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.240 dB
Peak SAR (extrapolated) = 0.063 W/kg
SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.026 mW/g



0 dB = 0.044mW/g

DIGITAL EMC CO., LTD

DUT: SGP-1036; Type: WLL

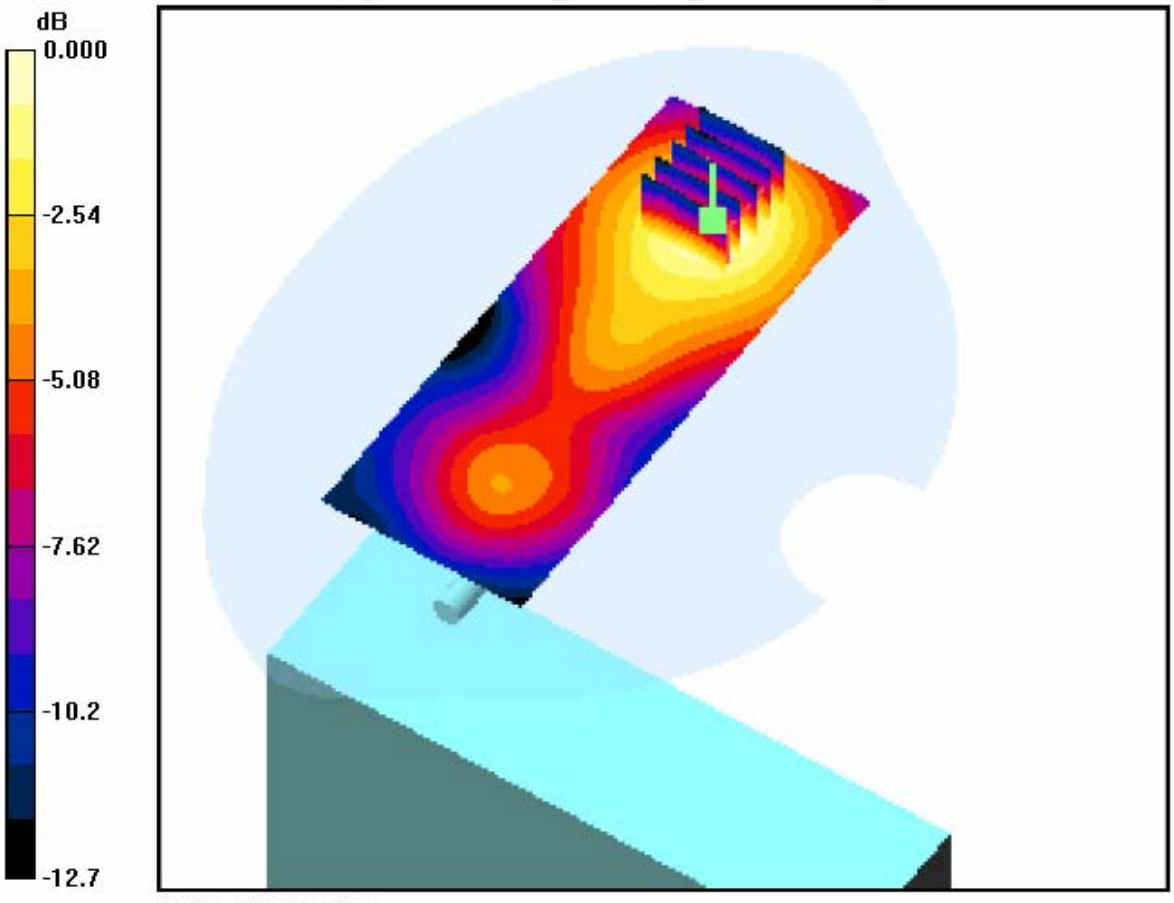
Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 1850.2 MHz; σ = 1.53 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ET3DV6 - SN1702; ConvF(4.76, 4.76, 4.76); Calibrated: 2006-03-23; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-01; Ambient Temp: 21.5; Tissue Temp: 22.0

2.5cm from Body, PCS Ch.512, Ant Fixed, Charger Mode With GPRS

Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.098 W/kg
SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.040 mW/g



0 dB = 0.066mW/g

