Appendix B

Test Plot - DASY4 Report

SGS

835 MHz Validation Test

Date/Time: 2007-01-02 09:41:12

Test Laboratory: SGS Testing Korea
File Name: Validation_835.da4

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:xxx
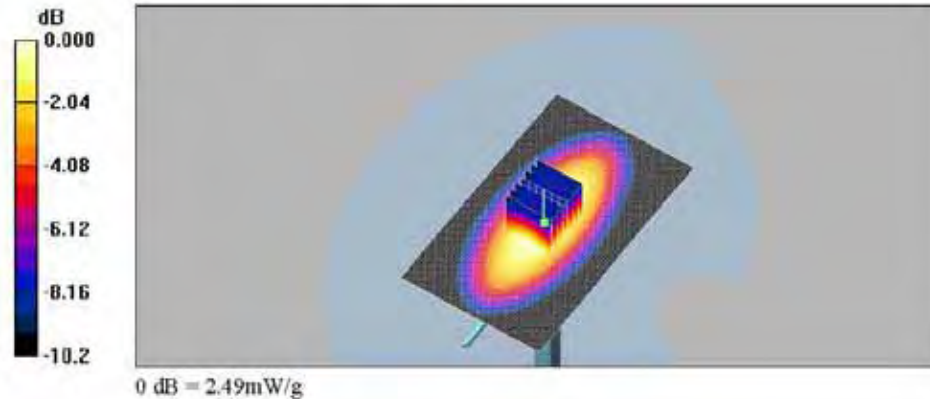**Program Name: Validation_835**

Communication System: CW; Frequency: 835 MHz;Duty Cycle: 1:1
Medium parameters used: f = 835 MHz; σ = 0.913 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Validation_835/Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 2.49 mW/g

Validation_835/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.2 V/m; Power Drift = -0.014 dB
Peak SAR (extrapolated) = 3.39 W/kg
SAR(1 g) = 2.31 mW/g; SAR(10 g) = 1.52 mW/g
Maximum value of SAR (measured) = 2.49 mW/g

0 dB = 2.49mW/g

1900 MHz Validation Test

Date/Time: 2007-01-03 9:36:42

Test Laboratory: SGS Testing Korea
File Name: Validation_1900.da4

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d033
Program Name: Validation_1900

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1900$ MHz; $\sigma = 1.35$ mho/m; $\varepsilon_r = 39.2$; $\rho = 1000$ kg/m^3
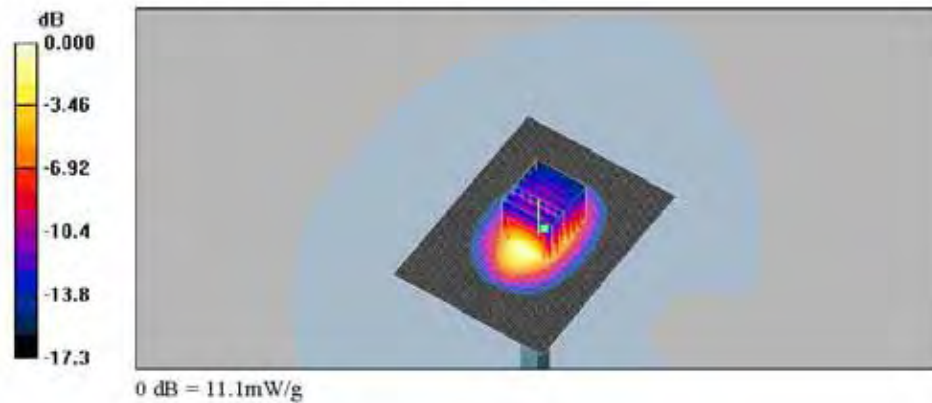Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Validation_1900/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 11.5 mW/g

Validation_1900/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 96.1 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 16.5 W/kg
SAR(1 g) = 9.8 mW/g; SAR(10 g) = 5.26 mW/g

Maximum value of SAR (measured) = 11.1 mW/g

0 dB = 11.1mW/g

2450 MHz Validation Test

Date/Time: 2007-01-04 10:40:34

Test Laboratory: SGS Testing Korea
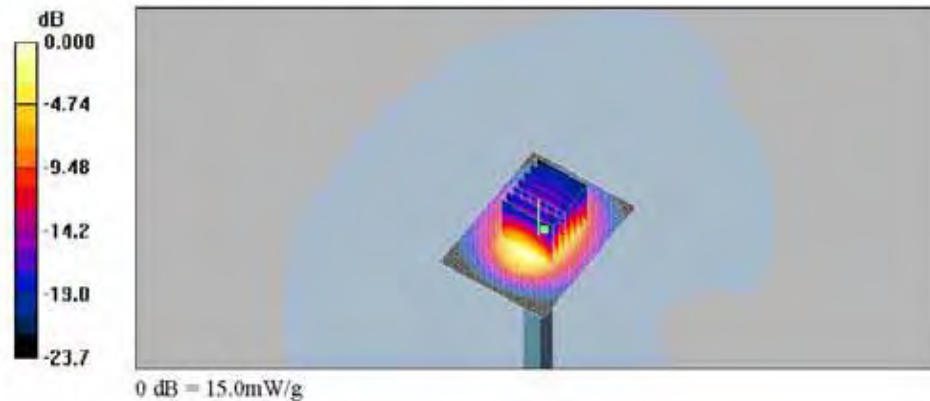File Name: Validation 2450 MHz.da4

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 735
Program Name: Validation Test

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.85 mho/m; ε_r = 39.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.47, 4.47, 4.47); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Validation Test/Area Scan (61x81x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 15.6 mW/g

Validation Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.1 V/m; Power Drift = -0.030 dB
Peak SAR (extrapolated) = 29.8 W/kg
SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.1 mW/g
Maximum value of SAR (measured) = 15.0 mW/g

0 dB = 15.0mW/g

Date/Time: 2007-01-17 14:08:16

Test Laboratory: SGS Testing Korea
File Name: Validation_2450 MHz.da4

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 735
Program Name: Validation_2450

Communication System: CW; Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2450 MHz; σ = 1.79 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.47, 4.47, 4.47); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Validation_2450/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.5 mW/g

Validation_2450/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.0 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 30.3 W/kg
SAR(1 g) = 12.5 mW/g; SAR(10 g) = 5.46 mW/g
Maximum value of SAR (measured) = 13.8 mW/g

0 dB = 13.8mW/g

![SGS]

GSM850 SAR Test

Date/Time: 2007-01-02 10:10:44

Test Laboratory: SGS Testing Korea
File Name: Left Head_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Left Head

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.914 mho/m; ε_r = 42; ρ = 1000 kg/m^3
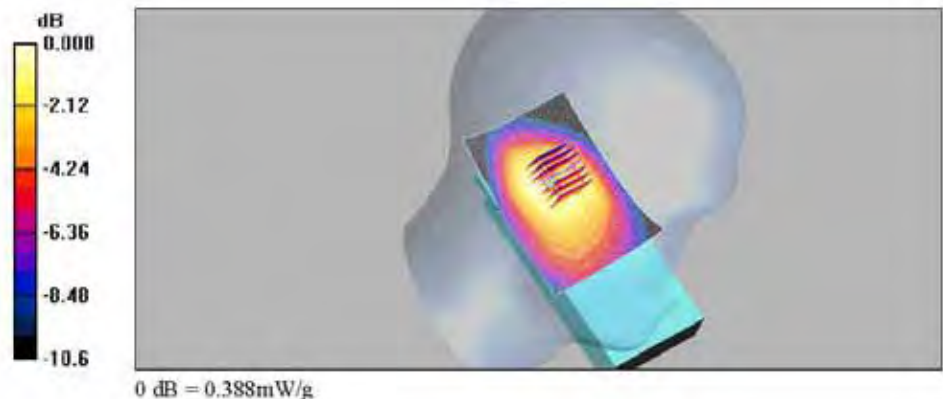Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM850_Mid_Cheek/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.391 mW/g

GSM850_Mid_Cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 19.8 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.500 W/kg
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.257 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.388 mW/g

0 dB = 0.388mW/g

Date/Time: 2007-01-02 10:43:51

Test Laboratory: SGS Testing Korea
File Name: Left Head_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Left Head

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.914 mho/m; $ε_r$ = 42; ρ = 1000 kg/m³

Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM850_Mid_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.369 mW/g

GSM850_Mid_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 20.5 V/m; Power Drift = -0.045 dB
Peak SAR (extrapolated) = 0.490 W/kg
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.236 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.372 mW/g

0 dB = 0.372mW/g
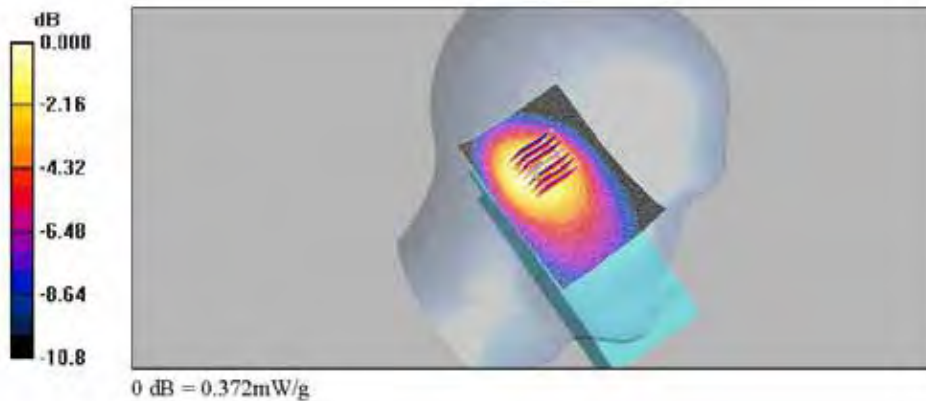
Date/Time: 2007-01-02 10:09:28

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Right Head

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.914$ mho/m; $\varepsilon_r = 42$; $\rho = 1000$ kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

**GSM850_Mid_Cheek/Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.392 mW/g

GSM850_Mid_Cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.3 V/m; Power Drift = 0.147 dB
Peak SAR (extrapolated) = 0.519 W/kg
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.242 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.383 mW/g

0 dB = 0.383mW/g
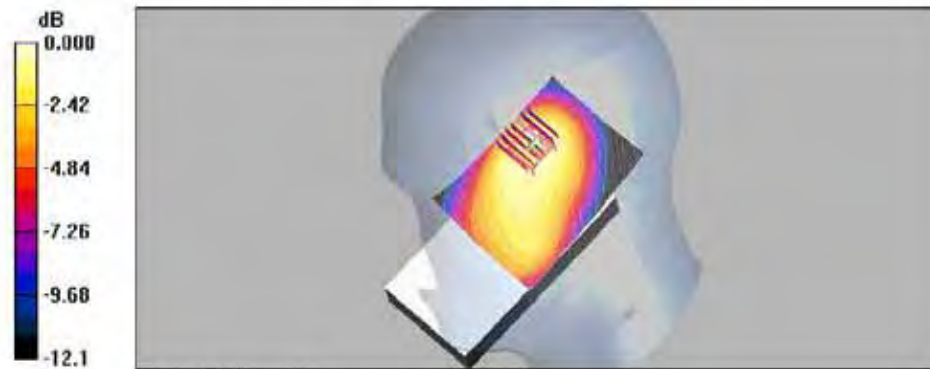
Date/Time: 2007-01-02 11:47:25

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Right Head

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.914 mho/m; ε_r = 42; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM850_Mid_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.404 mW/g

GSM850_Mid_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.4 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.562 W/kg
SAR(1 g) = 0.367 mW/g; SAR(10 g) = 0.236 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.394 mW/g

0 dB = 0.394mW/g
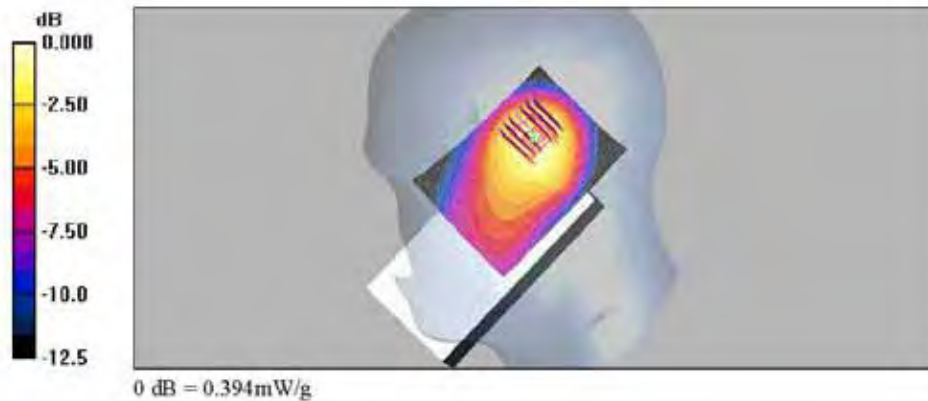
Date/Time: 2007-01-02 12:17:07

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Right Head

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.902 mho/m; ε_r = 42.2; ρ = 1000

kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM850_Low_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.428 mW/g

GSM850_Low_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 18.2 V/m; Power Drift = 0.014 dB
Peak SAR (extrapolated) = 0.577 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.250 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.415 mW/g

0 dB = 0.415mW/g
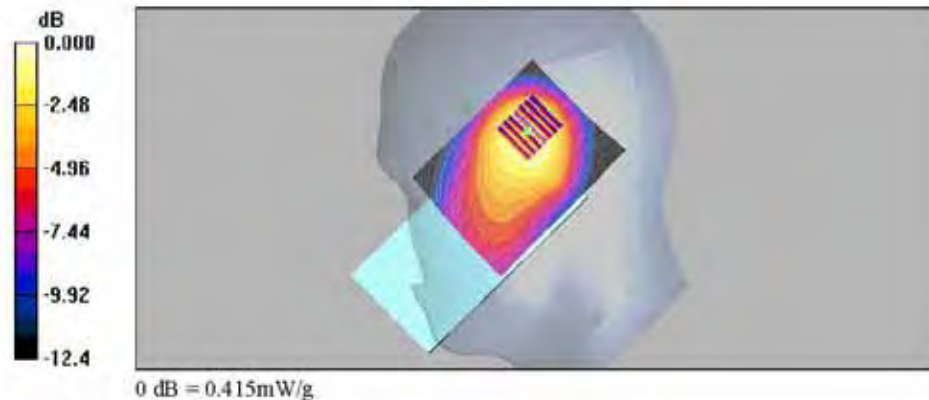
Date/Time: 2007-01-02 12:55:32

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM850.da4

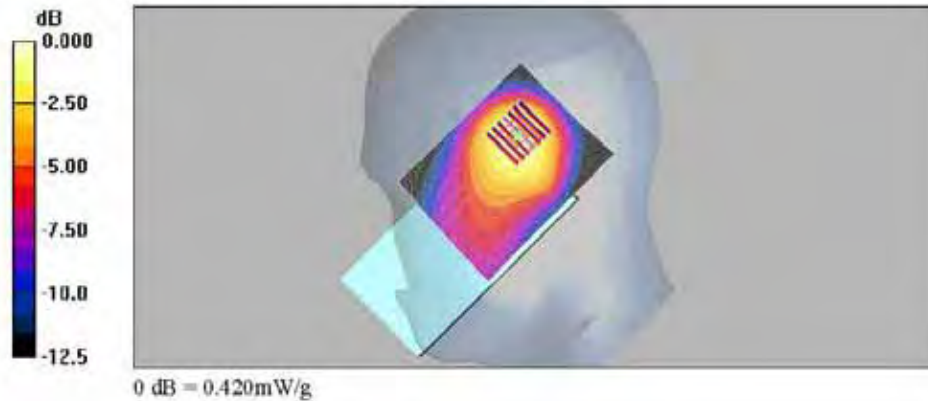**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Right Head

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 849 MHz; σ = 0.926 mho/m; ε_r = 41.9; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.34, 6.34, 6.34); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM850_High_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.427 mW/g

GSM850_High_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 0.591 W/kg
SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.247 mW/g
Maximum value of SAR (measured) = 0.420 mW/g

0 dB = 0.420mW/g

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Date of Issue :   2007-01-18
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Date/Time: 2007-01-02 14:11:28

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.979 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Mid_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.583 mW/g

GPRS_Mid_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.8 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 0.752 W/kg
SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.348 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.554 mW/g

0 dB = 0.554mW/g
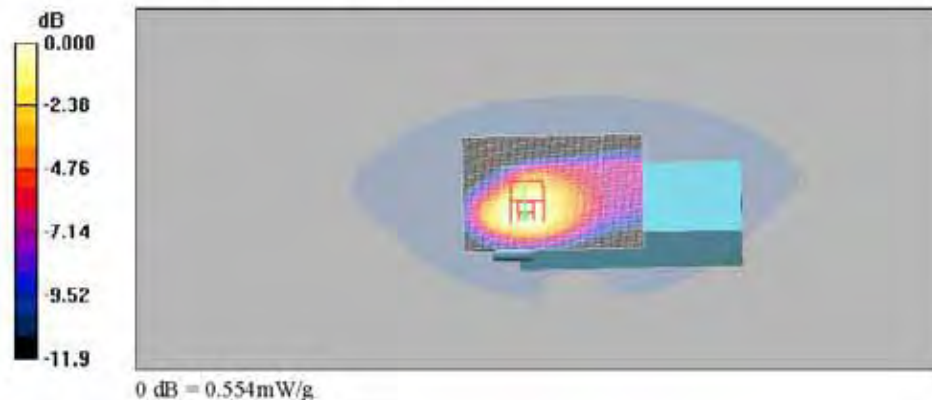
Date/Time: 2007-01-02 14:42:02

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.967 mho/m; ε_r = 54.4; ρ = 1000

kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Low_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.561 mW/g

GPRS_Low_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.0 V/m; Power Drift = 0.047 dB
Peak SAR (extrapolated) = 0.746 W/kg
SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.352 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.563 mW/g

0 dB = 0.563mW/g
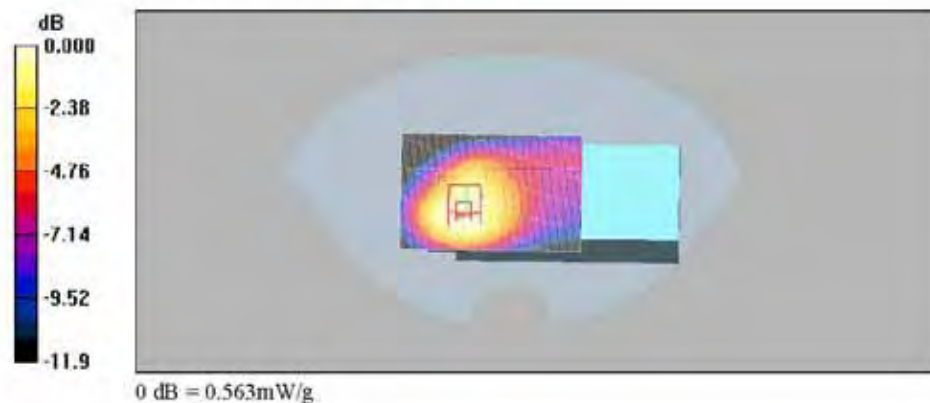
Date/Time: 2007-01-02 15:13:46

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850.dat

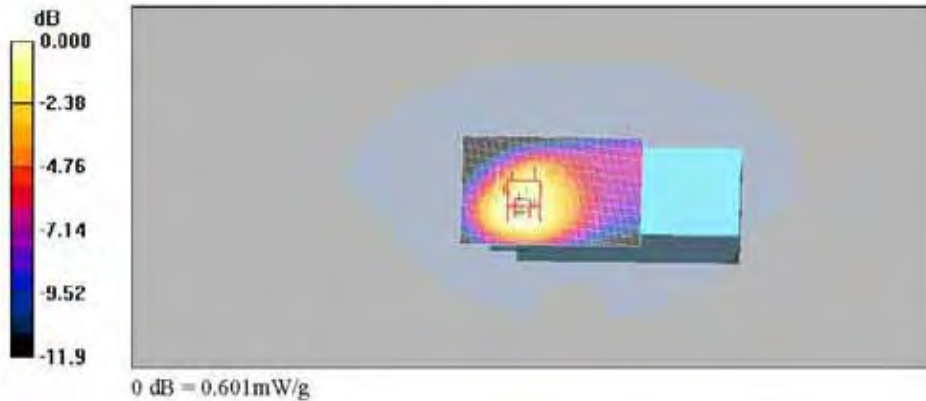**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: $f = 849$ MHz; $\sigma = 0.991$ mho/m; $\varepsilon_r = 54.2$; $\rho = 1000$ kg/m^3

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_High_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.612 mW/g

GPRS_High_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.1 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 0.802 W/kg
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.379 mW/g
Maximum value of SAR (measured) = 0.601 mW/g

0 dB = 0.601mW/g

Date/Time: 2007-01-02 15:51:34

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850-1.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.979 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Mid_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.886 mW/g

**GPRS_Mid_Face Down/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.4 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.586 mW/g

Maximum value of SAR (measured) = 0.908 mW/g

GPRS_Mid_Face Down/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.4 V/m; Power Drift = 0.036 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.812 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 0.903 mW/g
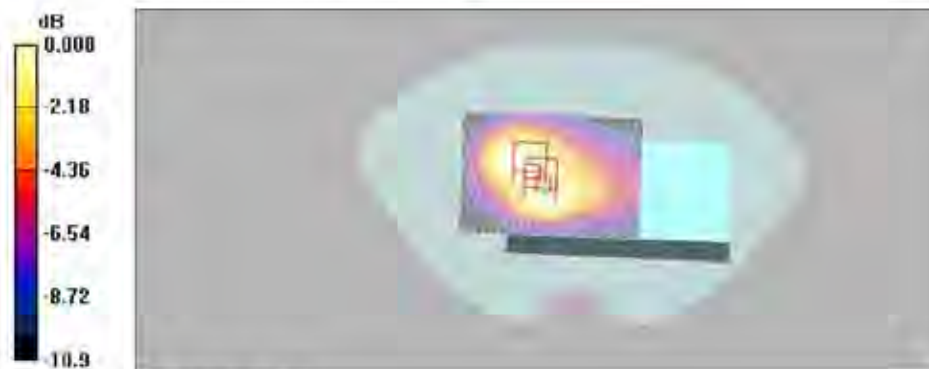
0 dB = 0.903mW/g

Date/Time: 2007-01-02 16:30:45

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850-1.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Body_GSM850

Communication System: GSM850, Frequency: 824.2 MHz;Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 824.2 MHz; σ = 0.967 mho/m; $ε_r$ = 54.4; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Low_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.848 mW/g

GPRS_Low_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.1 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.561 mW/g
Maximum value of SAR (measured) = 0.870 mW/g

GPRS_Low_Face Down/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 24.1 V/m; Power Drift = -0.009 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.549 mW/g

Maximum value of SAR (measured) = 0.850 mW/g

Date/Time: 2007-01-02 17:13:01

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
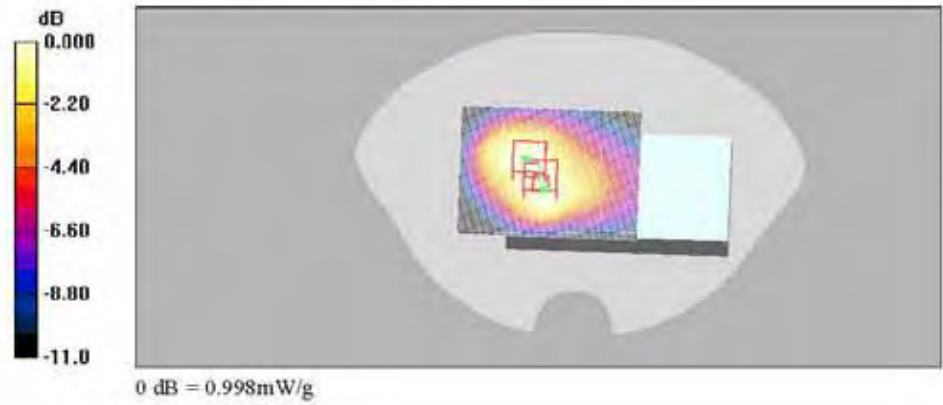Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_High_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.00 mW/g

GPRS_High_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 25.9 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 1.38 W/kg
SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.660 mW/g
Maximum value of SAR (measured) = 1.02 mW/g

GPRS_High_Face Down/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 25.9 V/m; Power Drift = -0.026 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.907 mW/g; SAR(10 g) = 0.645 mW/g

Maximum value of SAR (measured) = 0.998 mW/g

0 dB = 0.998mW/g

Date/Time: 2007-01-02 17:59:05

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850-1.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 836.6 MHz;Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 836.6 MHz; σ = 0.979 mho/m; ε_r = 54.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build [7]

EDGE_Mid_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.630 mW/g

EDGE_Mid_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.3 V/m; Power Drift = -0.158 dB
Peak SAR (extrapolated) = 0.888 W/kg
SAR(1 g) = 0.591 mW/g; SAR(10 g) = 0.402 mW/g
Maximum value of SAR (measured) = 0.637 mW/g

EDGE_Mid_Face Down/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.3 V/m; Power Drift = -0.158 dB
Peak SAR (extrapolated) = 0.812 W/kg
SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.393 mW/g

Maximum value of SAR (measured) = 0.626 mW/g

dB
0.000
-2.24
-4.46
-6.72
-8.96
-11.2

0 dB = 0.626mW/g

Date/Time: 2007-01-02 18:53:59

Test Laboratory: SGS Testing Korea
File Name: Body_GSM850.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Body_GSM850

Communication System: GSM850; Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium parameters used: f = 849 MHz; σ = 0.991 mho/m; $ε_r$ = 54.2; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(6.05, 6.05, 6.05); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP_900MHz; Type: SAM MIC #2000-93; Serial: TP-1300
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS/BT ON_High_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.963 mW/g

GPRS/BT ON_High_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.918 mW/g; SAR(10 g) = 0.637 mW/g

Maximum value of SAR (measured) = 0.973 mW/g

GPRS/BT ON_High_Face Down/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (measured) = 0.981 mW/g

0 dB = 0.981mW/g

GSM1900 SAR Test

Date/Time: 2007-01-03 10:13:04

Test Laboratory: SGS Testing Korea
File Name: Left Head_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Left Head

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.34 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_Mid_Cheek/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.326 mW/g

GSM1900_Mid_Cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.439 W/kg
SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.178 mW/g
Maximum value of SAR (measured) = 0.308 mW/g

0 dB = 0.308mW/g

Date/Time: 2007-01-03 10:51:13

Test Laboratory: SGS Testing Korea
File Name: Left Head_GSM1900.da4

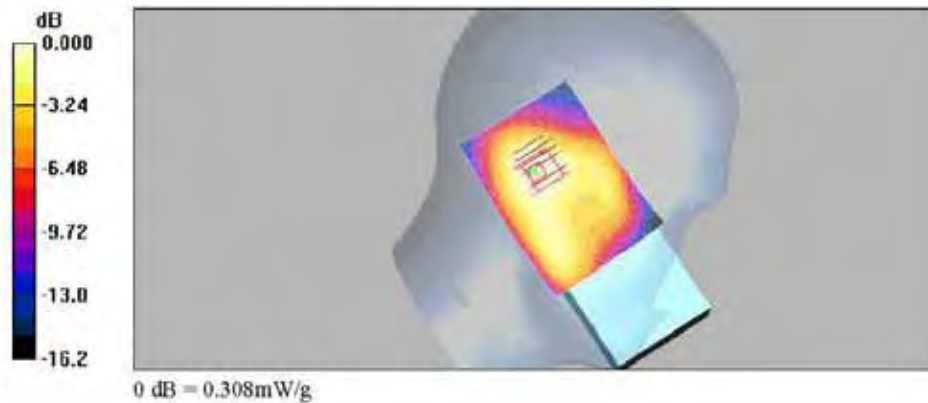**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Left Head

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: f = 1880 MHz; σ = 1.34 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_Mid_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.371 mW/g

GSM1900_Mid_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm,
dz=5mm
Reference Value = 16.3 V/m; Power Drift = -0.015 dB
Peak SAR (extrapolated) = 0.504 W/kg
SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.202 mW/g
Maximum value of SAR (measured) = 0.356 mW/g

0 dB = 0.356mW/g

Date/Time: 2007-01-03 11:23:39

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
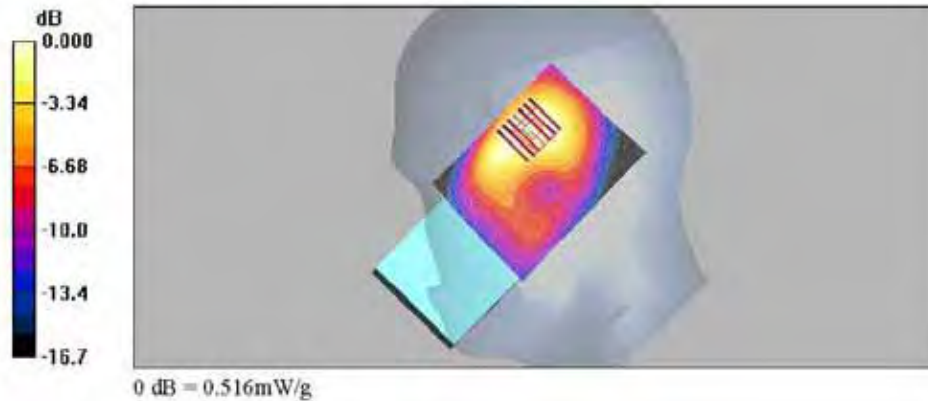**Program Name: Right Head**

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3

Medium parameters used: f = 1880 MHz; σ = 1.34 mho/m; ε_r = 39.4; ρ = 1000 kg/m^3

Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_Mid_Cheek/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.546 mW/g

GSM1900_Mid_Cheek/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.0 V/m; Power Drift = 0.095 dB
Peak SAR (extrapolated) = 0.797 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.280 mW/g
Maximum value of SAR (measured) = 0.516 mW/g

0 dB = 0.516mW/g

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Date of Issue :   2007-01-18
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Date/Time: 2007-01-03 11:58:27

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: -
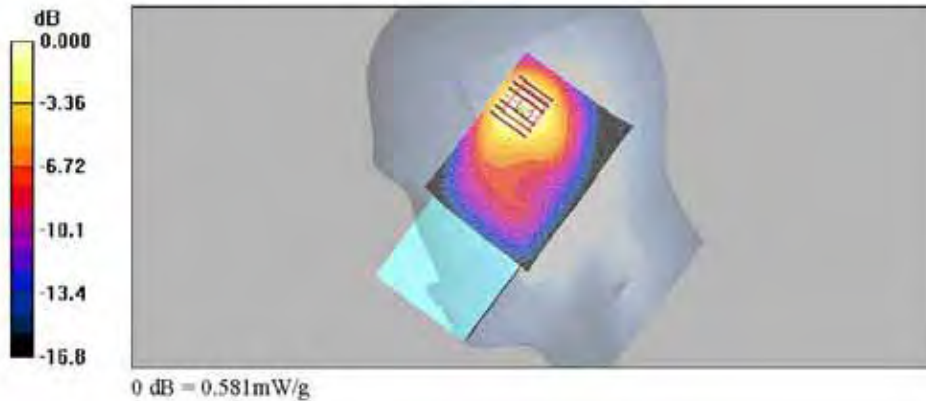**Program Name: Right Head**

Communication System: PCS 1900; Frequency: 1880 MHz;Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.34$ mho/m; $\varepsilon_r = 39.4$; $\rho = 1000$ kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_Mid_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.603 mW/g

GSM1900_Mid_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.3 V/m; Power Drift = 0.013 dB
Peak SAR (extrapolated) = 0.891 W/kg
SAR(1 g) = 0.529 mW/g; SAR(10 g) = 0.300 mW/g
Maximum value of SAR (measured) = 0.581 mW/g

0 dB = 0.581mW/g

Date/Time: 2007-01-03 12:35:05

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Right Head

Communication System: PCS 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8.3
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.33 mho/m; ε_r = 39.4; ρ = 1000

kg/m^3
Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_Low_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.569 mW/g

GSM1900_Low_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.0 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 0.823 W/kg
SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.280 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.543 mW/g
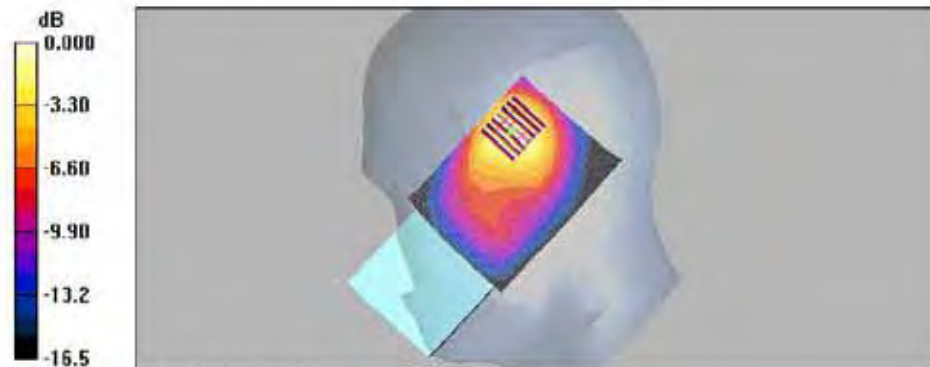
0 dB = 0.543mW/g

Date/Time: 2007-01-03 13:06:00

Test Laboratory: SGS Testing Korea
File Name: Right Head_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
**Program Name: Right Head**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1910$ MHz; $\sigma = 1.36$ mho/m; $\varepsilon_r = 39.1$; $\rho = 1000$ kg/m^3

Phantom section: Right Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(5.19, 5.19, 5.19); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GSM1900_High_Tilt/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.657 mW/g

GSM1900_High_Tilt/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.9 V/m; Power Drift = -0.066 dB
Peak SAR (extrapolated) = 0.966 W/kg
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.623 mW/g

0 dB = 0.623mW/g
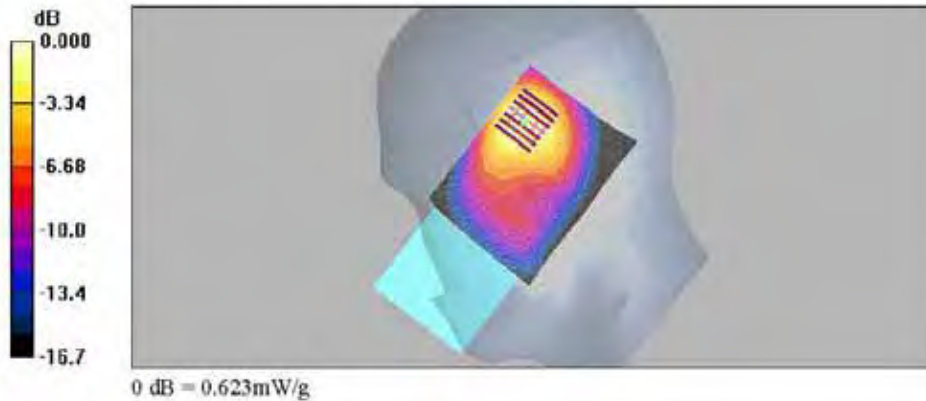
Date/Time: 2007-01-03 15:21:04

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

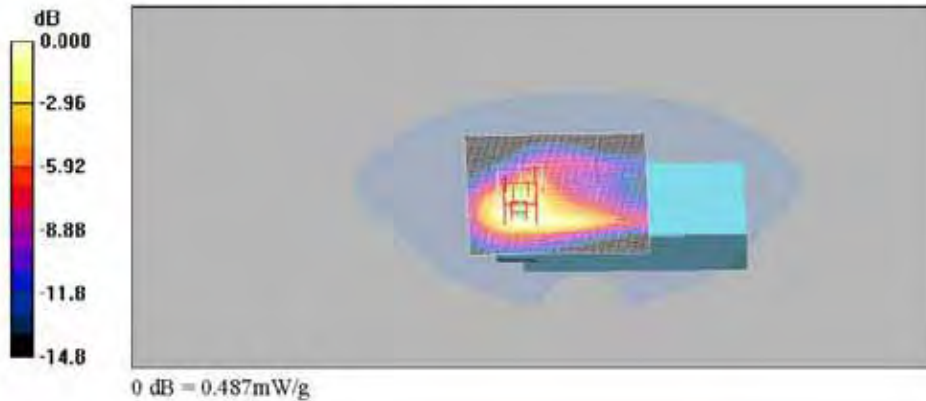**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Mid_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.492 mW/g

GPRS_Mid_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.66 V/m; Power Drift = -0.107 dB
Peak SAR (extrapolated) = 0.711 W/kg
SAR(1 g) = 0.444 mW/g; SAR(10 g) = 0.265 mW/g
Maximum value of SAR (measured) = 0.487 mW/g

0 dB = 0.487mW/g

Date/Time: 2007-01-03 15:52:25

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.45 mho/m; ε_r = 51.2; ρ = 1000

kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Low_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.474 mW/g

GPRS_Low_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.39 V/m; Power Drift = -0.059 dB
Peak SAR (extrapolated) = 0.668 W/kg
SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.253 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.461 mW/g

0 dB = 0.461mW/g
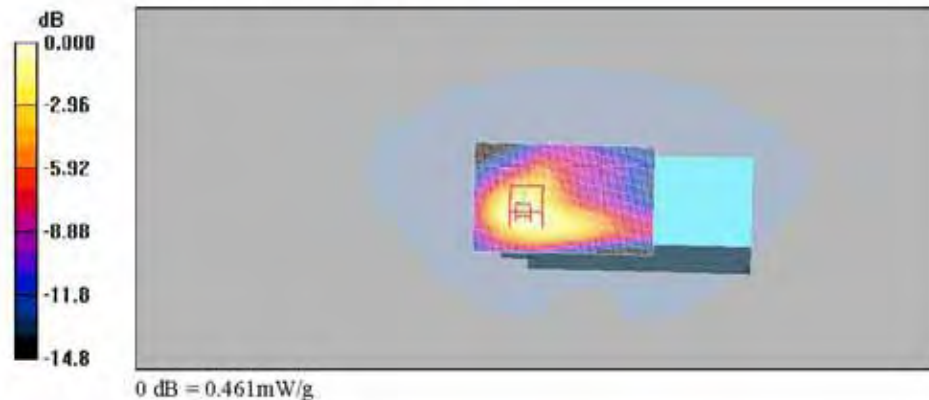
Date/Time: 2007-01-03 16:29:58

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

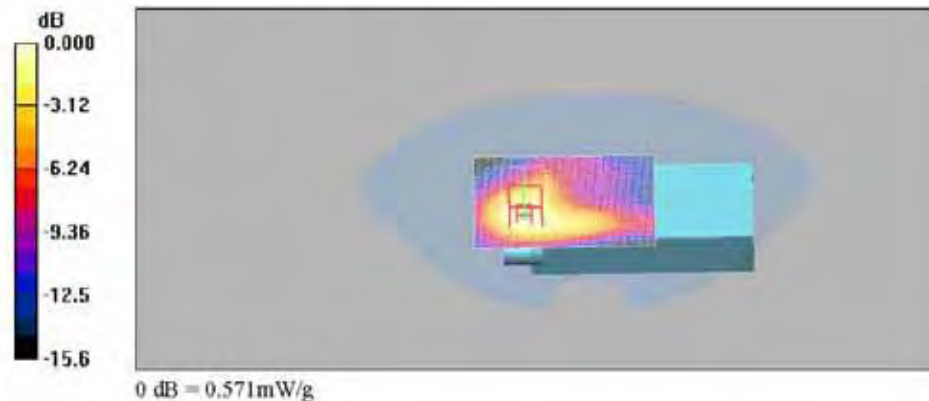**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: f = 1910 MHz; σ = 1.49 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_High_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.583 mW/g

GPRS_High_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.05 V/m; Power Drift = -0.034 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 0.571 mW/g

0 dB = 0.571mW/g

Date/Time: 2007-01-03 17:04:31

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

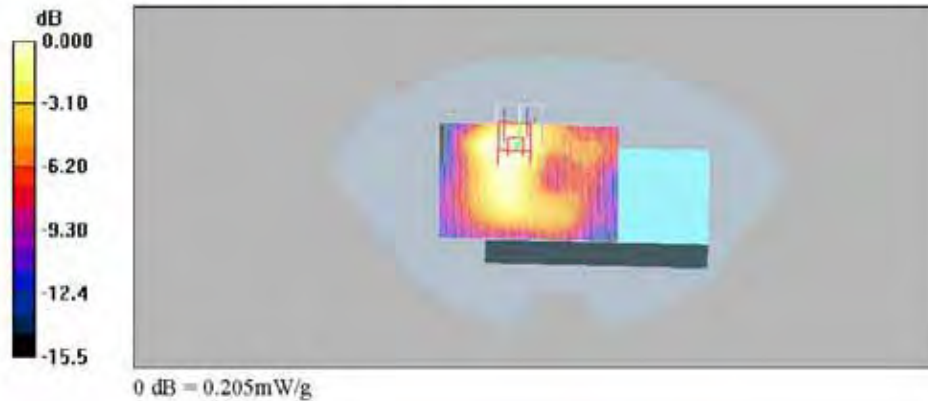**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Mid_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.209 mW/g

GPRS_Mid_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.16 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.294 W/kg
SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.118 mW/g
Maximum value of SAR (measured) = 0.205 mW/g

0 dB = 0.205mW/g

Date/Time: 2007-01-03 17:36:34

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15
Medium parameters used (interpolated): f = 1850.2 MHz; σ = 1.45 mho/m; ε_r = 51.2; ρ = 1000
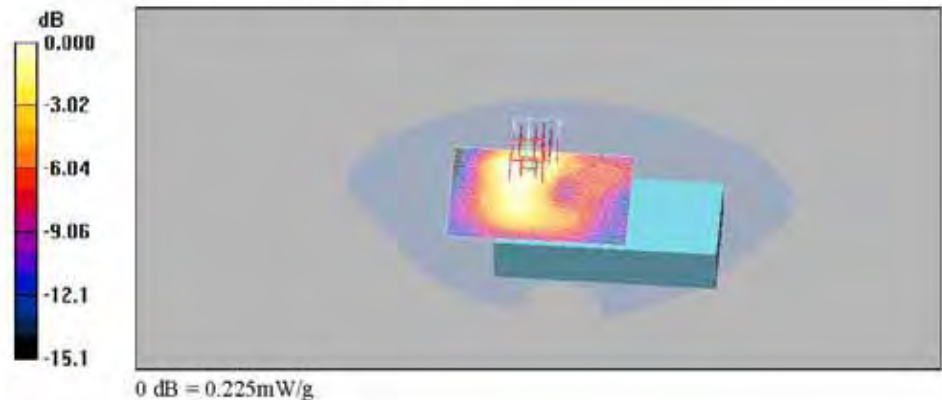
kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_Low_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.232 mW/g

GPRS_Low_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.97 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.323 W/kg
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.130 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.225 mW/g

0 dB = 0.225mW/g

Date/Time: 2007-01-03 18:05:53

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: f = 1910 MHz; σ = 1.49 mho/m; ε_r = 51; ρ = 1000 kg/m³
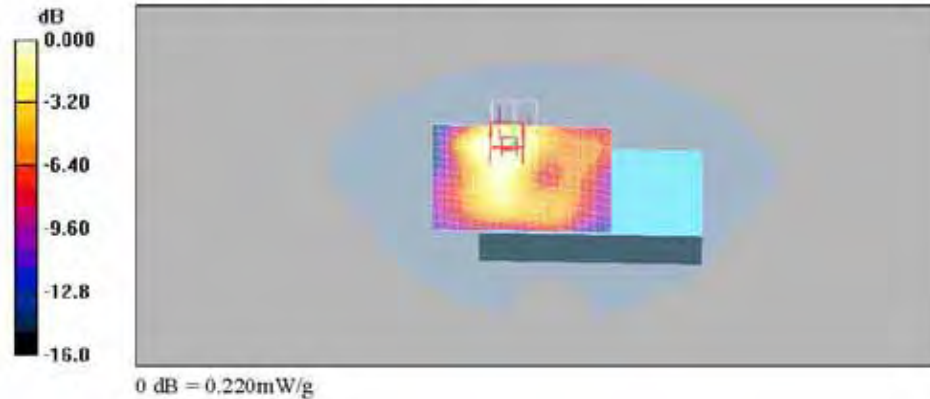Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS_High_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.226 mW/g

GPRS_High_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 6.16 V/m; Power Drift = -0.005 dB
Peak SAR (extrapolated) = 0.437 W/kg
SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.220 mW/g

0 dB = 0.220mW/g

Date/Time: 2007-01-03 18:50:55

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

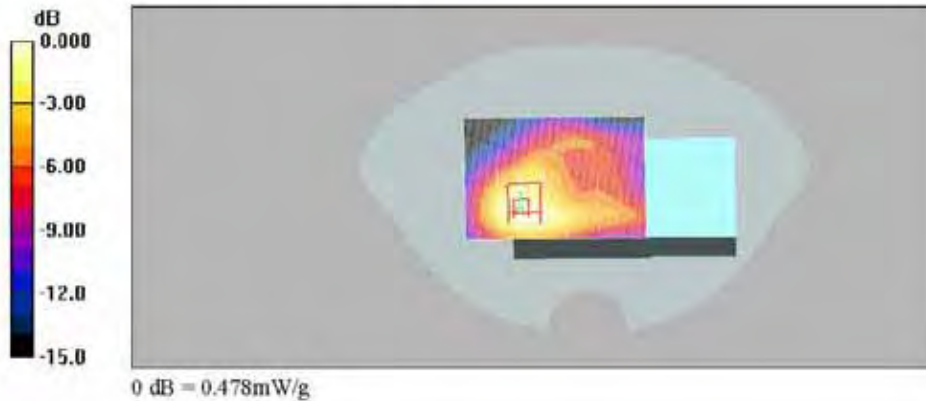**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15

Medium parameters used: f = 1880 MHz; σ = 1.47 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

EDGE_Mid_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.485 mW/g

EDGE_Mid_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 9.45 V/m; Power Drift = 0.082 dB
Peak SAR (extrapolated) = 0.701 W/kg
SAR(1 g) = 0.439 mW/g; SAR(10 g) = 0.267 mW/g
Maximum value of SAR (measured) = 0.478 mW/g

0 dB = 0.478mW/g

Date/Time: 2007-01-03 19:54:49

Test Laboratory: SGS Testing Korea
File Name: Body_GSM1900.da4

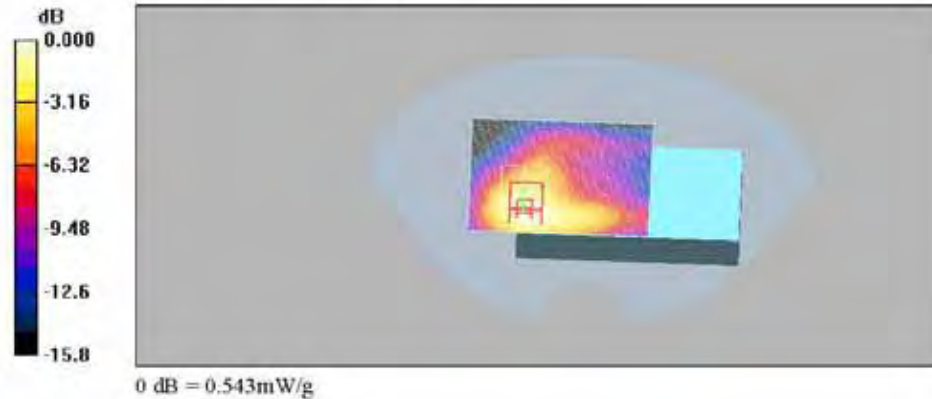**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_GSM1900

Communication System: PCS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4.15

Medium parameters used: f = 1910 MHz; σ = 1.49 mho/m; ε_r = 51; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.73, 4.73, 4.73); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

GPRS/BT ON_High_Face Up/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.559 mW/g

GPRS/BT ON_High_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.41 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.290 mW/g

Maximum value of SAR (measured) = 0.543 mW/g

0 dB = 0.543mW/g

WLAN SAR Test

Date/Time: 2007-01-04 14:38:07

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

DUT: BIP-5000; Type: BAR; Serial: –
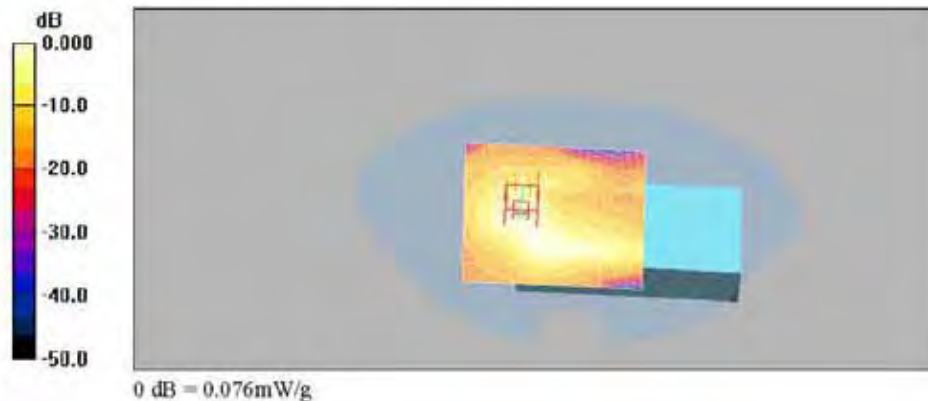**Program Name: Body_WLAN**

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; $ε_r$ = 52.1; ρ = 1000 kg/m³
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_Mid_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.071 mW/g

11Mbps_Mid_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 1.88 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.076 mW/g

0 dB = 0.076mW/g

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Date/Time: 2007-01-04 15:15:24

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

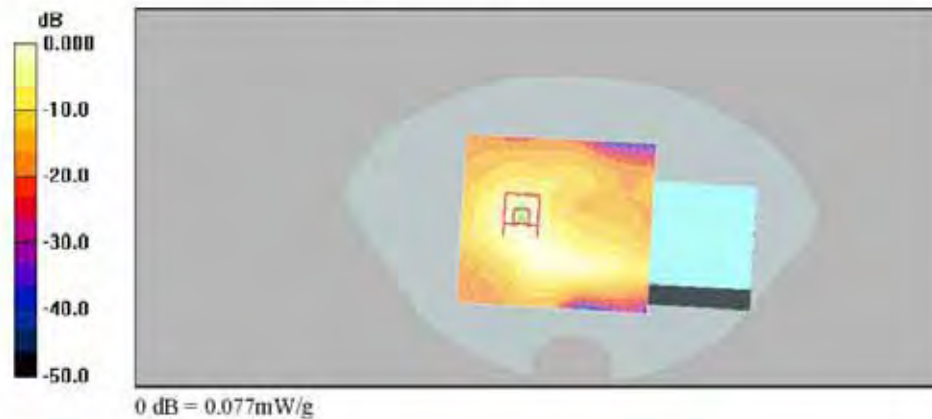**DUT: BIP-5000; Type: BAR; Serial: -**
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_Low_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.074 mW/g

11Mbps_Low_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 1.90 V/m; Power Drift = -0.197 dB
Peak SAR (extrapolated) = 0.150 W/kg
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.034 mW/g
Maximum value of SAR (measured) = 0.077 mW/g

0 dB = 0.077mW/g

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Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

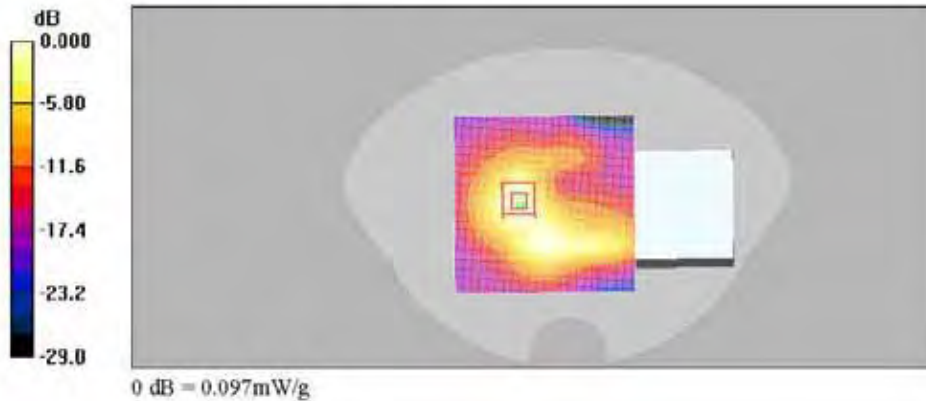**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.06 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_High_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.099 mW/g

11Mbps_High_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.14 V/m; Power Drift = -0.068 dB
Peak SAR (extrapolated) = 0.192 W/kg
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.042 mW/g
Maximum value of SAR (measured) = 0.097 mW/g

0 dB = 0.097mW/g

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Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

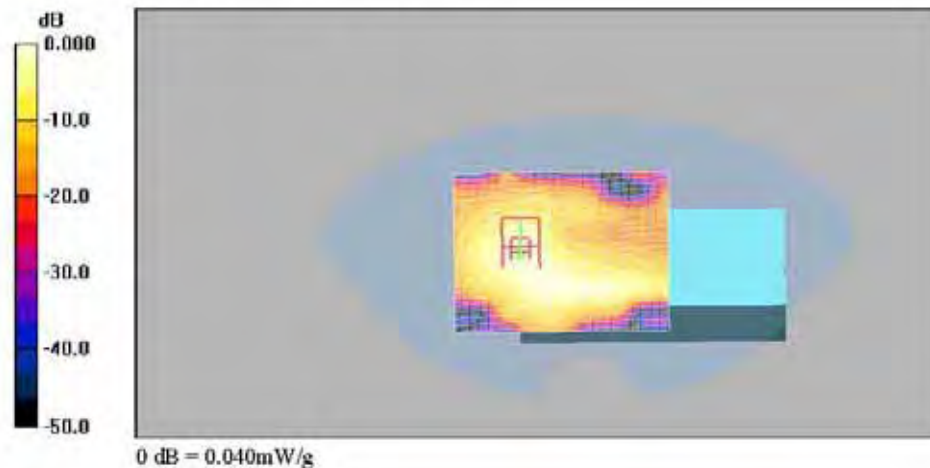**DUT: BIP-5000; Type: BAR; Serial: -**
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; $ε_r$ = 52.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

54Mbps_Mid_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.038 mW/g

54Mbps_Mid_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.22 V/m; Power Drift = 0.211 dB
Peak SAR (extrapolated) = 0.080 W/kg
SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.017 mW/g
Maximum value of SAR (measured) = 0.040 mW/g

0 dB = 0.040mW/g

Date/Time: 2007-01-04 17:25:05

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

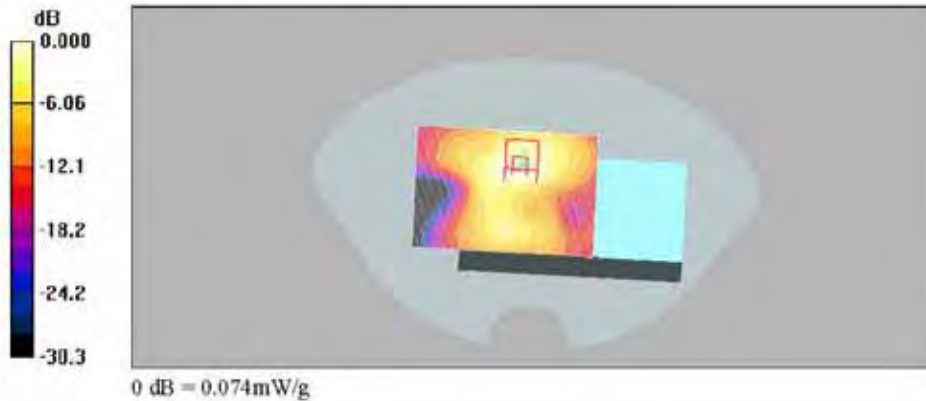**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used: f = 2437 MHz; σ = 1.99 mho/m; ε_r = 52.1; ρ = 1000 kg/m^3

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_Mid_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.075 mW/g

11Mbps_Mid_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 2.06 V/m; Power Drift = -0.183 dB
Peak SAR (extrapolated) = 0.149 W/kg
SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.035 mW/g
Maximum value of SAR (measured) = 0.074 mW/g

0 dB = 0.074mW/g

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Date/Time: 2007-01-04 18:21:16

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

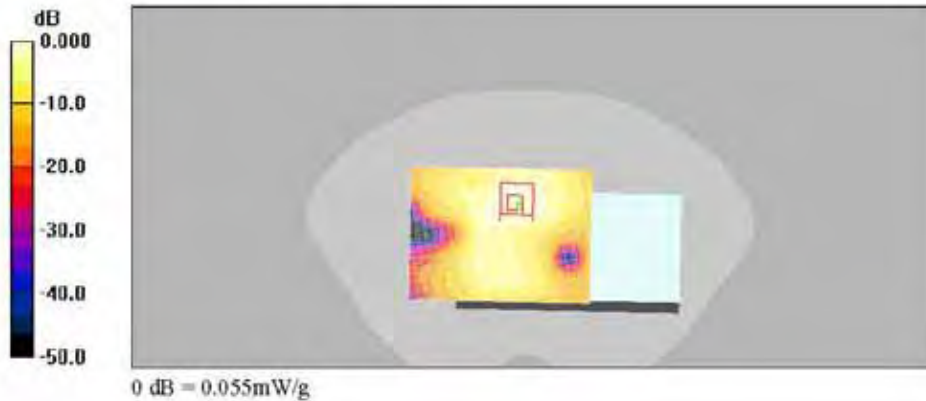**DUT: BIP-5000; Type: BAR; Serial: –**
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.92 mho/m; ε_r = 52.5; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_Low_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.056 mW/g

11Mbps_Low_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm,
dy=5mm, dz=5mm
Reference Value = 1.95 V/m; Power Drift = -0.036 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.026 mW/g
Maximum value of SAR (measured) = 0.055 mW/g

0 dB = 0.055mW/g

Date/Time: 2007-01-04 18:58:58

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN.da4

DUT: BIP-5000; Type: BAR; Serial: –
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2462 MHz; σ = 2.06 mho/m; $ε_r$ = 52.2; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps_High_Face Down/Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.081 mW/g

11Mbps_High_Face Down/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.22 V/m; Power Drift = -0.096 dB
Peak SAR (extrapolated) = 0.172 W/kg
SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.038 mW/g
Maximum value of SAR (measured) = 0.080 mW/g

0 dB = 0.080mW/g

Date/Time: 2007-01-17 17:49:23

Test Laboratory: SGS Testing Korea
File Name: Body_WLAN_BTON.da4

DUT: BIP-5000; Type: BAR; Serial: -
Program Name: Body_WLAN

Communication System: WLAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2462 MHz; σ = 2.07 mho/m; ϵ_r = 52.2; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
- Probe: ET3DV6 - SN1782; ConvF(4.15, 4.15, 4.15); Calibrated: 2006-05-02
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn567; Calibrated: 2006-09-22
- Phantom: SAM MIC #2000-93 with CRP; Type: SAM MIC #2000-93; Serial: TP-1299
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

11Mbps/BT ON_High_Face Up/Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.082 mW/g

11Mbps/BT ON_High_Face Up/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.82 V/m; Power Drift = -0.092 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.032 mW/g
Maximum value of SAR (measured) = 0.080 mW/g

0 dB = 0.080mW/g