

# Compliance Certification Services Inc. Date of Issue: June 14, 2012

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

GSM 850-Right Head Cheek Low CH128	2
GSM 850-Right Head Cheek Middle CH190	3
GSM 850-Right Head Cheek High CH251	4
GSM 850-Right Head Tilted High CH251	5
GSM 850-Left Head Cheek High CH251	6
GSM 850-Left Head Tilted High CH251	7
PCS-1900-Right Head Cheek Low CH512	8
PCS-1900-Right Head Cheek Middle CH661	9
PCS-1900-Right Head Cheek High CH810	10
PCS-1900-Right Head Tilted Low CH512	11
PCS 1900-Left Head Cheek Low CH512	12
PCS 1900-Left Head Tilted Low CH512	13
GSM 850-Body Up High CH251	14
GSM 850-Body Down Low CH128	15
GSM 850-Body Down Middle CH190	16
GSM 850-Body Down High CH251	17
GPRS 850-Body Up Low CH251	18
GPRS 850-Body Down Low CH251	19
PCS-1900- Body Up Low CH512	20
PCS1900-Body Down Low CH512	21
PCS1900-Body Down Middle CH661	22
PCS1900-Body Down High CH810	23
GPRS1900-Body Up High CH810	24
GPRS1900-Body Down High CH810	25
IEEE 802.11b-Right Head Cheek Low CH1	26
IEEE 802.11b-Right Head Tilted Low CH1	27
IEEE 802.11b-Left Head Cheek Low CH1	28
IEEE 802.11b-Left Head Tilted Low CH1	29
IEEE 802.11b-Body Up Low CH1	30
IFFF 802 11b-Body Down Low CH1	31

June 10, 2012

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# **GSM 850-Right Head Cheek Low CH128**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 824.2 MHz;  $\sigma = 0.89 \text{ mho/m}$ ;  $\varepsilon_r = 41.628$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### GSM850/Right Head Cheek Low CH128/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.964 mW/g

#### GSM850/Right Head Cheek Low CH128/Zoom Scan (7x7x7)/Cube 0:

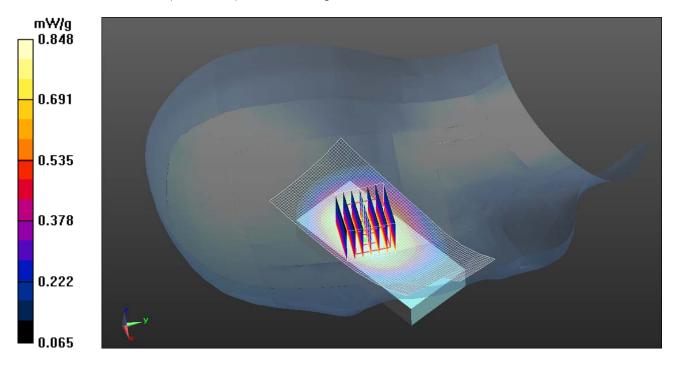
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.858 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.170 W/kg

#### SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 0.848 mW/g



#### **GSM 850-Right Head Cheek Middle CH190**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 836.6 MHz;  $\sigma = 0.90 \text{ mho/m}$ ;  $\varepsilon_r = 41.478$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GSM850/Right Head Cheek Middle CH190/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.116 mW/g

# GSM850/Right Head Cheek Middle CH190/Zoom Scan (7x7x7)/Cube 0:

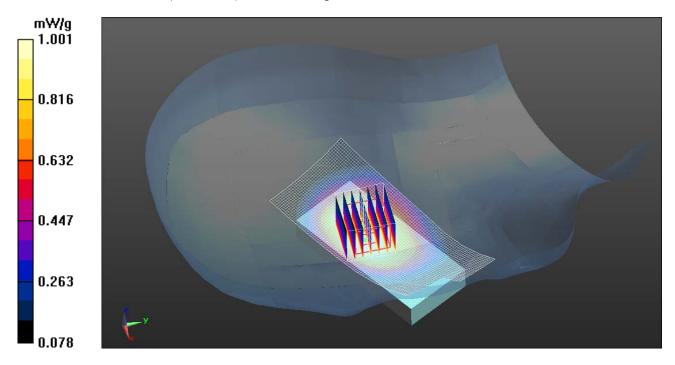
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.003 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.385 W/kg

#### SAR(1 g) = 0.701 mW/g; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 1.001 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# **GSM 850-Right Head Cheek High CH251**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated):  $f = 848.6 \text{ MHz}; \sigma = 0.903 \text{mho/m}; \epsilon_r = 41.327; \rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

## GSM850/Right Head Cheek High CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.383 mW/g

# GSM850/Right Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0:

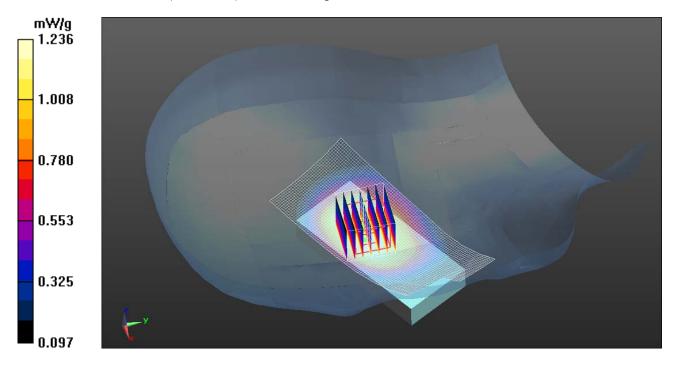
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.532 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.616 W/kg

#### SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 1.136 mW/g



#### **GSM 850-Right Head Tilted High CH251**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.903 \text{ mho/m}$ ;  $\varepsilon_r = 41.327$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GSM850/Right Head Tilted High CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.268 mW/g

#### GSM850/Right Head Tilted High CH251/Zoom Scan (7x7x7)/Cube 0:

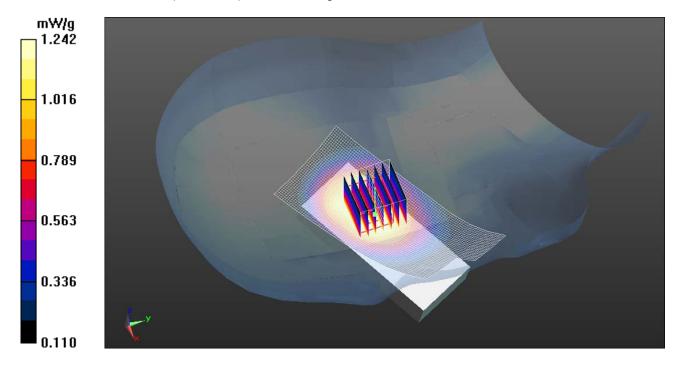
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.586 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.557 W/kg

#### SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 1.131 mW/g



#### GSM 850-Left Head Cheek High CH251

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.903 \text{ mho/m}$ ;  $\varepsilon_r = 41.327$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GSM850/Left Head Cheek High CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.151 mW/g

#### GSM850/Left Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0:

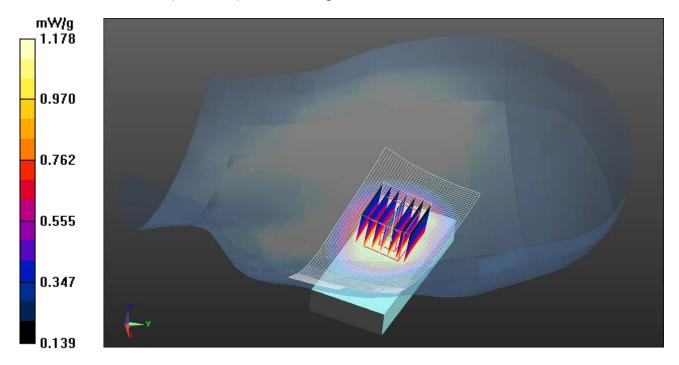
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.329 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.337 W/kg

#### SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.352 mW/g

Maximum value of SAR (measured) = 1.178 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### **GSM 850-Left Head Tilted High CH251**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.903 \text{mho/m}$ ;  $\epsilon_r = 41.327$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GSM850/Left Head Tilted High CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.088 mW/g

#### GSM850/Left Head Tilted High CH251/Zoom Scan (7x7x7)/Cube 0:

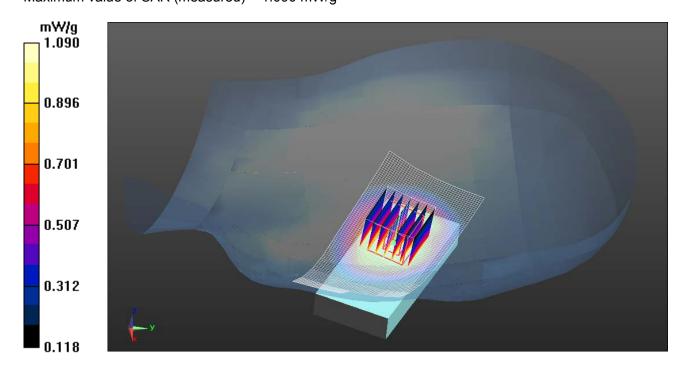
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.376 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.429 W/kg

#### SAR(1 g) = 0.496 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 1.090 mW/g



#### PCS-1900-Right Head Cheek Low CH512

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 39.87$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

## PCS1900/Right Head Cheek Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.130 mW/g

# PCS1900/Right Head Cheek Low CH512/Zoom Scan (7x7x7)/Cube 0:

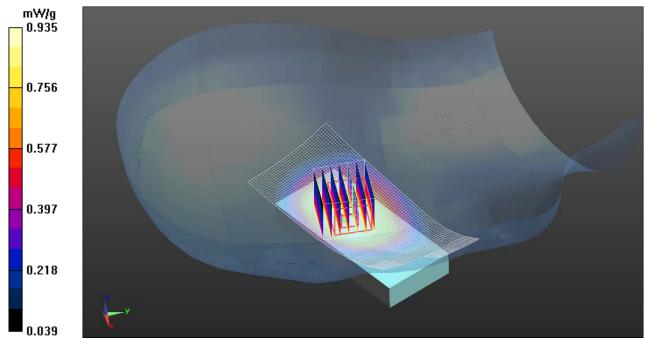
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.833 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.285 W/kg

## SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.935 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### PCS-1900-Right Head Cheek Middle CH661

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1880 MHz;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.74$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### PCS1900/Right Head Cheek Middle CH661/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.998 mW/g

# PCS1900/Right Head Cheek Middle CH661/Zoom Scan (7x7x7)/Cube 0:

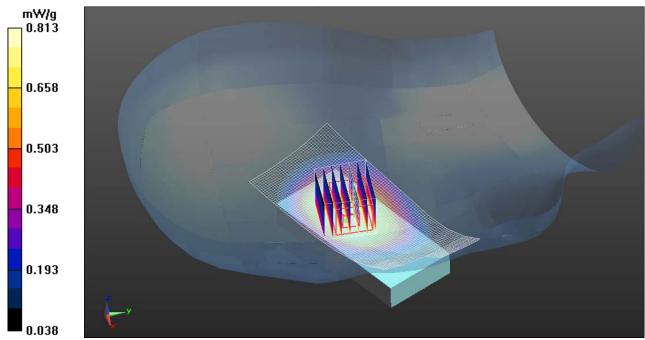
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.306 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.085 W/kg

## SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.813 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### PCS-1900-Right Head Cheek High CH810

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1909.8 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1909.8 MHz;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# PCS1900/Right Head Cheek High CH810/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.020 mW/g

# PCS1900/Right Head Cheek High CH810/Zoom Scan (7x7x7)/Cube 0:

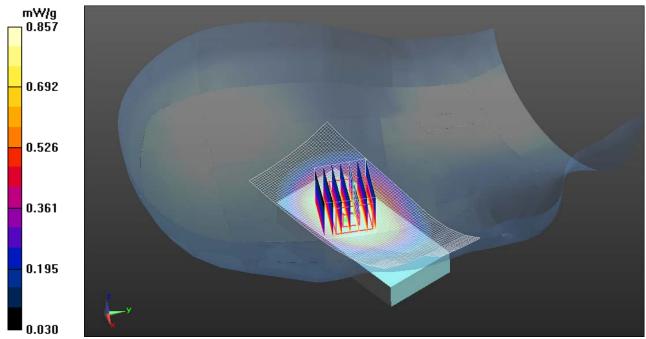
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.426 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.154 W/kg

## SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.857 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# PCS-1900-Right Head Tilted Low CH512

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma = 1.41 \text{ mho/m}$ ;  $\epsilon_r = 39.87$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### PCS1900/Right Head Tilted Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.923 mW/g

# PCS1900/Right Head Tilted Low CH512/Zoom Scan (7x7x7)/Cube 0:

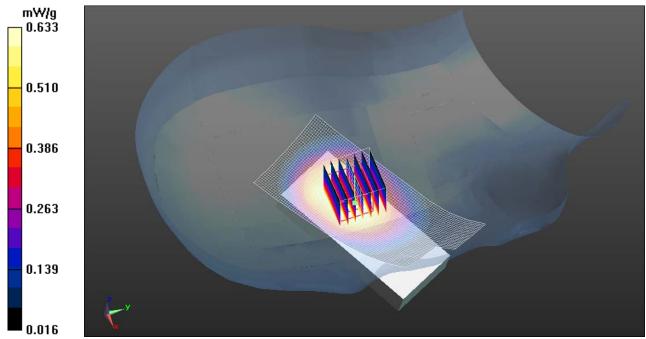
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.947 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.126 W/kg

# SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.302 mW/g

Maximum value of SAR (measured) = 0.633 mW/g



#### PCS 1900-Left Head Cheek Low CH512

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 39.87$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### PCS1900/Left Head Cheek Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.401 mW/g

#### PCS1900/Left Head Cheek Low CH512/Zoom Scan (7x7x7)/Cube 0:

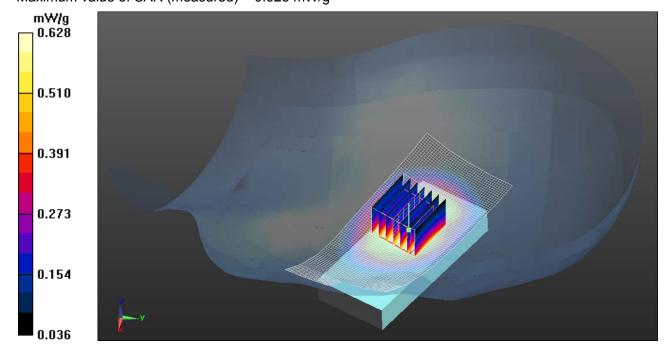
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.367 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.796 W/kg

#### SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.207 mW/g

Maximum value of SAR (measured) = 0.628 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### PCS 1900-Left Head Tilted Low CH512

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 39.87$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### PCS1900/Left Head Tilted Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.553 mW/g

# PCS1900/Left Head Tilted Low CH512/Zoom Scan (7x7x7)/Cube 0:

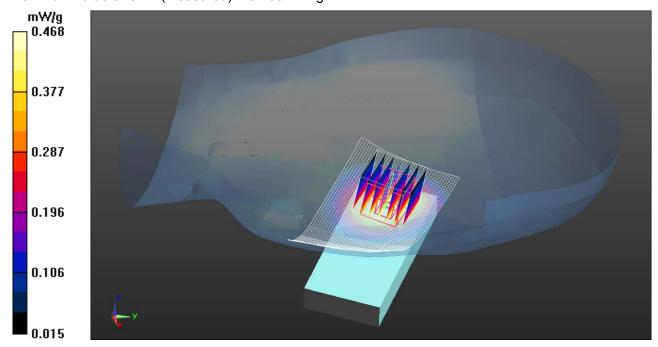
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.272 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.615 W/kg

## SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.205 mW/g

Maximum value of SAR (measured) = 0.468 mW/g



Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Test Laboratory: Compliance Certification Services Inc.

June 10, 2012

# GSM 850-Body Up High CH251

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.969 \text{ mho/m}$ ;  $\varepsilon_r = 55.252$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### **GSM 850/GSM850 Body Up High CH251/Area Scan (41x91x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.485 mW/g

#### GSM 850/GSM850 Body Up High CH251/Zoom Scan (7x7x7)/Cube 0:

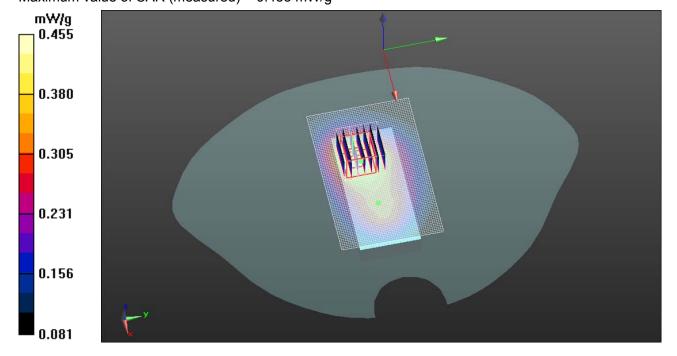
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 19.732 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.552 W/kg

#### SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.455 mW/g



Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

# **GSM 850-Body Down Low CH128**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 824.2 MHz;  $\sigma = 0.96 \text{ mho/m}$ ;  $\varepsilon_r = 55.359$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### GSM 850/GSM850 Body Down Low CH128/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.583 mW/g

# GSM 850/GSM850 Body Down Low CH128/Zoom Scan (7x7x7)/Cube 0:

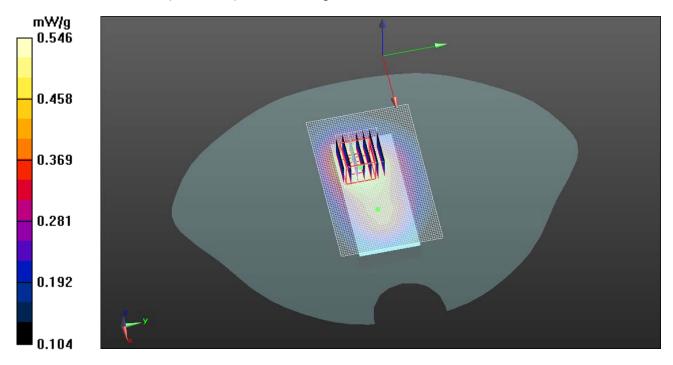
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.909 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.665 W/kg

#### SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.546 mW/g



#### **GSM 850-Body Down Middle CH190**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 836.6 MHz;  $\sigma = 0.962 \text{ mho/m}$ ;  $\varepsilon_r = 55.358$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GSM 850/GSM850 Body Down Middle CH190/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.868 mW/g

# GSM 850/GSM850 Body Down Middle CH190/Zoom Scan (7x7x7)/Cube 0:

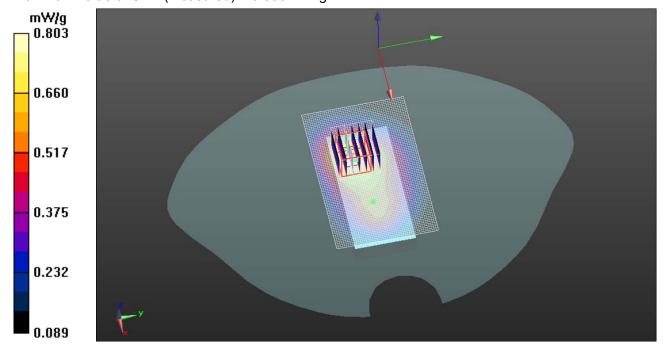
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.038 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.985 W/kg

## SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.803 mW/g



Page 16 of 31

#### GSM 850-Body Down High CH251

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

June 10, 2012

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.969 \text{ mho/m}$ ;  $\varepsilon_r = 55.352$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### GSM 850/GSM850 Body Down High CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.148 mW/g

# GSM 850/GSM850 Body Down High CH251/Zoom Scan (7x7x7)/Cube 0:

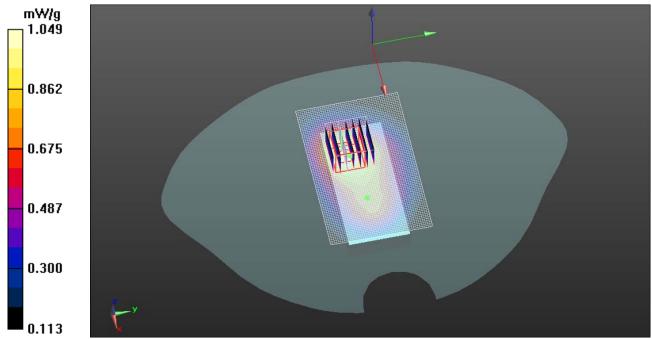
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 33.443 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.299 W/kg

## SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.561 mW/g

Maximum value of SAR (measured) = 1.049 mW/g



# GPRS 850-Body Up Low CH251

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

Frequency: 848.6 MHz; Communication System PAR: 3.01 dB

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon r = 55.628$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

### **GPRS 850/GPRS850 Body Up Low CH251/Area Scan (41x91x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.327 mW/g

# GPRS 850/GPRS850 Body Up Low CH251/Zoom Scan (7x7x7)/Cube 0:

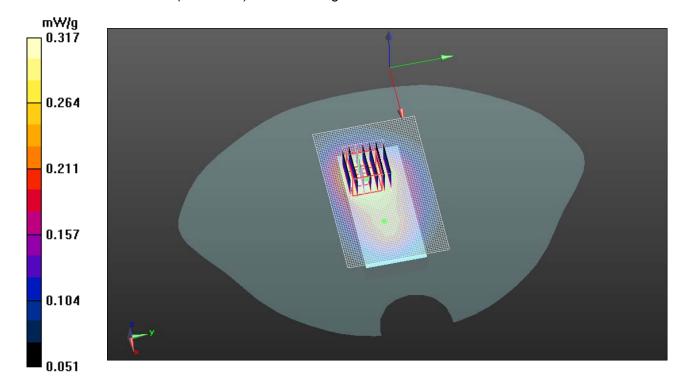
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.903 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.384 W/kg

## SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.317 mW/g



# **GPRS 850-Body Down Low CH251**

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

Frequency: 848.6 MHz; Communication System PAR: 3.01 dB

Medium parameters used (interpolated): f = 848.6 MHz;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon r = 55.628$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GPRS 850/GPRS850 Body Down Low CH251/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.808 mW/g

#### GPRS 850/GPRS850 Body Down Low CH251/Zoom Scan (7x7x7)/Cube 0:

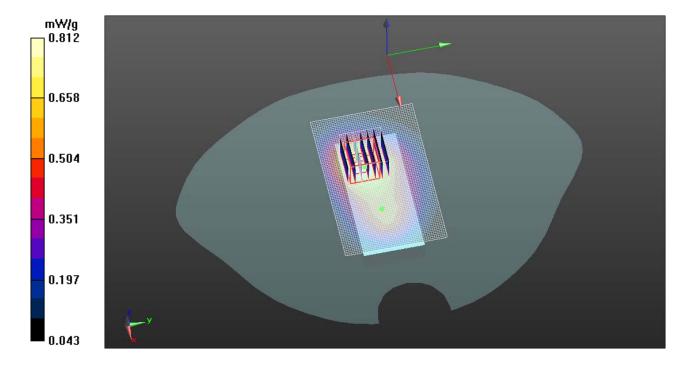
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.993 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.084 W/kg

#### SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 0.812 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# PCS-1900- Body Up Low CH512

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.24$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### PCS1900/Right Body Up Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.395 mW/g

# PCS1900/Right Body Up Low CH512/Zoom Scan (7x7x7)/Cube 0:

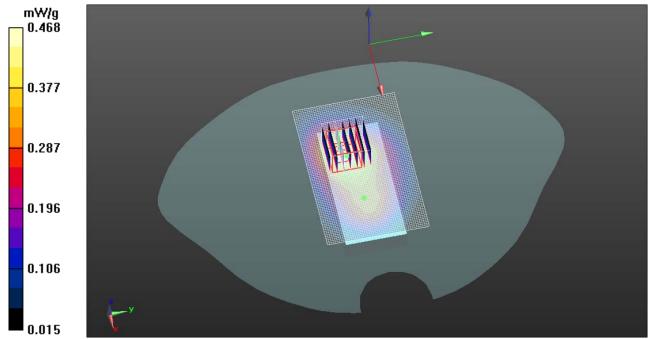
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.105 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.685W/kg

## SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.298 mW/g

Maximum value of SAR (measured) = 0.468 mW/g



Report No .: KS120608A02-SE

Reference No .: KS120608A02-SE

June 10, 2012

## PCS1900-Body Down Low CH512

#### DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid: Temperature: 20 °C Medium parameters used: f = 1850.2 MHz;  $\sigma$  = 1.53 mho/m;  $\varepsilon_r$  = 52.24;  $\rho$  = 1000 kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## DASY Configuration:

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# **GSM1900/GSM1900** Body Down Low CH512/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.836 mW/g

# GSM1900/GSM1900 Body Down Low CH512/Zoom Scan (7x7x7)/Cube 0:

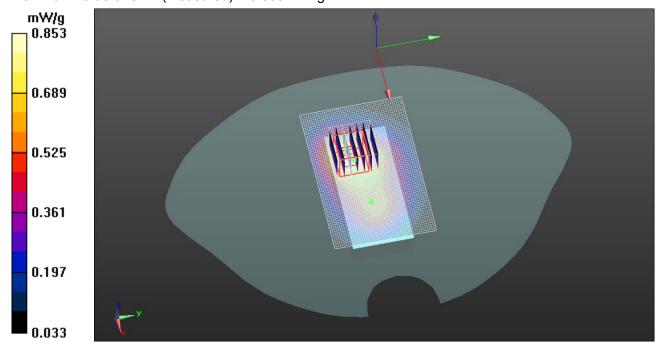
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.617 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.090 W/kg

## SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.853 mW/g



#### PCS1900-Body Down Middle CH661

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1880 MHz;  $\sigma = 1.534 \text{ mho/m}$ ;  $\epsilon_r = 52.14$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### **DASY Configuration:**

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

## GSM1900/GSM1900 Body Down Middle CH661/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.810 mW/g

# GSM1900/GSM1900 Body Down Middle CH661/Zoom Scan (7x7x7)/Cube 0:

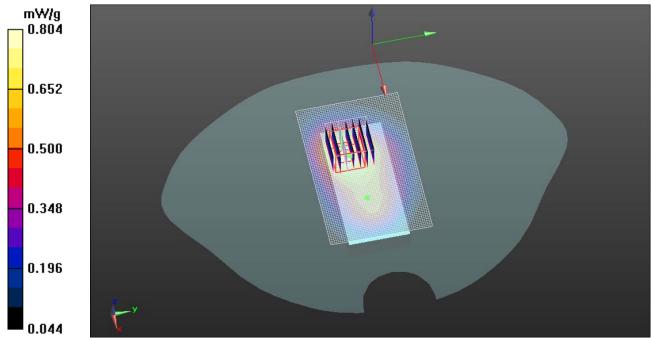
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.907 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.020 W/kg

## SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.419 mW/g

Maximum value of SAR (measured) = 0.804 mW/g



Reference No .: KS120608A02-SE Report No .: KS120608A02-SE

# PCS1900-Body Down High CH810

# DUT: GSM MOBILE PHONE; Type: I625; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1909.8 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C Medium parameters used: f = 1909.8 MHz;  $\sigma = 1.54 \text{ mho/m}$ ;  $\epsilon_r = 52.3$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

## **DASY Configuration:**

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

#### GSM1900/GSM1900 Body Down High CH810/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.797 mW/g

# GSM1900/GSM1900 Body Down High CH810/Zoom Scan (7x7x7)/Cube 0:

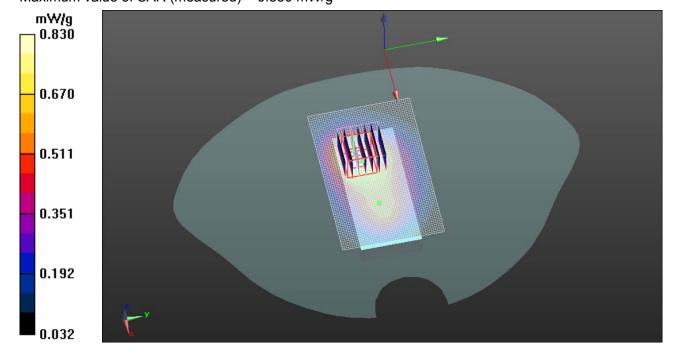
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 22.482 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.107 W/kg

#### SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 0.830 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### GPRS1900-Body Up High CH810

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0

MHz); Frequency: 1910MHz; Communication System PAR: 3.01 dB

Medium parameters used: f = 1910MHz;  $\sigma = 1.47$  mho/m;  $\epsilon r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

• Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# **GPRS1900/GPRS1900 Body Up High CH810/Area Scan (41x91x1):**

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.290 mW/g

# GPRS1900/GPRS1900 Body Up High CH810/Zoom Scan (7x7x7)/Cube 0:

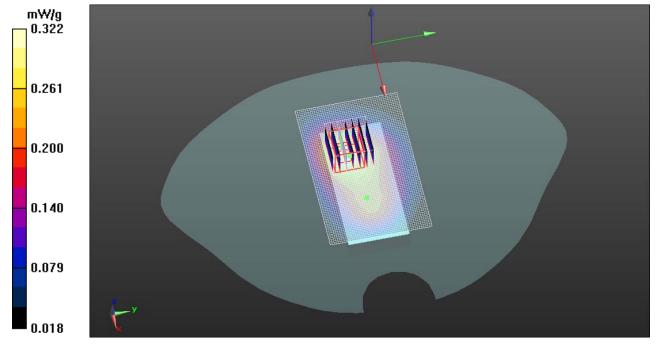
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.728 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.423 W/kg

# SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.322 mW/g



Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# **GPRS1900-Body Down High CH810**

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0

MHz); Frequency: 1910MHz; Communication System PAR: 3.01 dB

Medium parameters used: f = 1910MHz;  $\sigma = 1.47$  mho/m;  $\epsilon r = 39.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012

Sensor-Surface: 2.5mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1245; Calibrated: 1/11/2012

Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609

Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# GPRS1900/GPRS1900 Body Down High CH810/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.701 mW/g

# GPRS1900/GPRS1900 Body Down High CH810/Zoom Scan (7x7x7)/Cube 0:

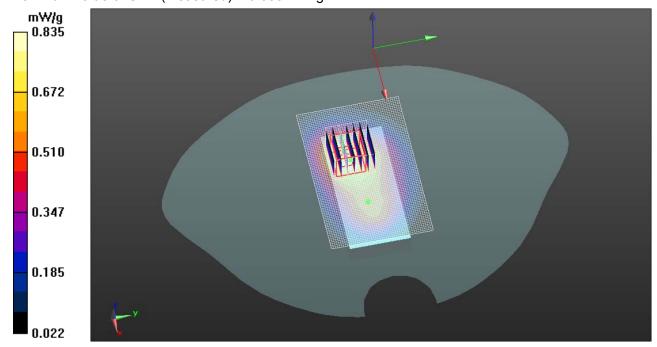
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.020 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.138 W/kg

## SAR(1 g) = 0.568 mW/g; SAR(10 g) = 0.354 mW/g

Maximum value of SAR (measured) = 0.835 mW/g



June 10,2012

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# IEEE 802.11b-Right Head Cheek Low CH1

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency:

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.817 \text{ mho/m}$ ;  $\varepsilon_r = 38.149$ ;  $\rho = 1000 \text{kg/m}^3$ 

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# IEEE 802.11b/Right Cheek Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.219 mW/g

# IEEE 802.11b/Right Cheek Low CH1/Zoom Scan (7x7x7)/Cube 0:

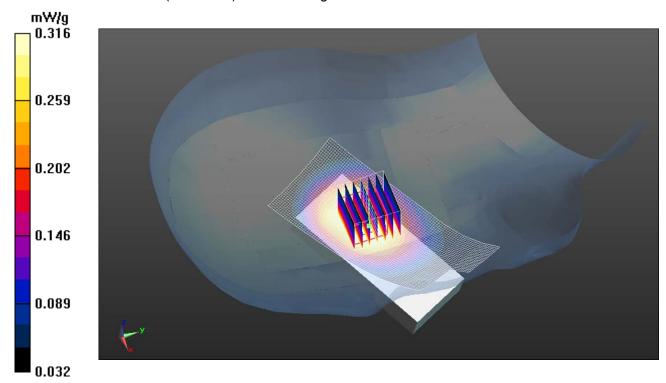
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.366 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.673 W/kg

# SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.316 mW/g



June 10,2012

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

# IEEE 802.11b-Right Head Tilted Low CH1

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency:

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.817$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# IEEE 802.11b/Right Tilted Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.462 mW/g

# IEEE 802.11b/Right Tilted Low CH1/Zoom Scan (7x7x7)/Cube 0:

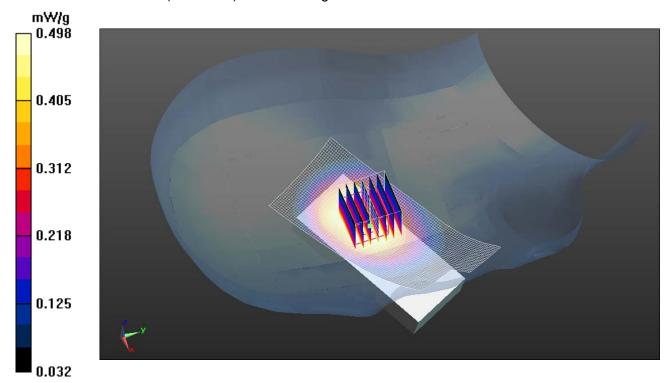
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.717 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.755 W/kg

## SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.498 mW/g



June 10,2012

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

#### IEEE 802.11b-Left Head Cheek Low CH1

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency:

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.823 \text{ mho/m}$ ;  $\epsilon_r = 38.149$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# IEEE 802.11b /Left Cheek Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.307 mW/g

# IEEE 802.11b /Left Cheek Low CH1/Zoom Scan (7x7x7)/Cube 0:

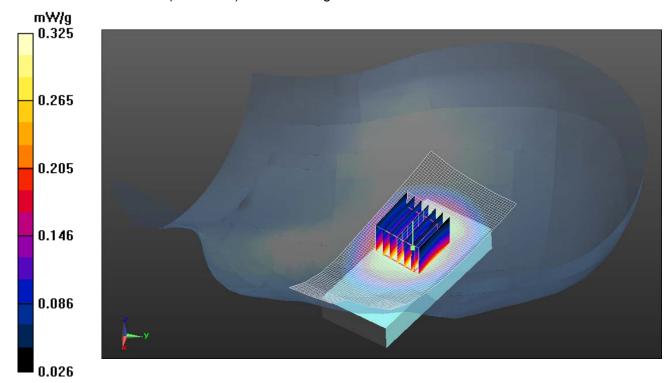
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.497 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.736 W/kg

#### SAR(1 g) = 0.279 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.325 mW/g



#### IEEE 802.11b-Left Head Tilted Low CH1

# DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

 $Communication \ System: IEEE \ 802.11b; \ Communication \ System \ Band: ISM \ 2.4GHz \ Band; \ Frequency: \ Communication \ System \ Band: \ ISM \ 2.4GHz \ Band; \ Frequency: \ Annual \ Annual \ Band: \ Annu$ 

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.823 \text{ mho/m}$ ;  $\varepsilon_r = 38.149$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Left Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

# IEEE 802.11b /Left Tilted Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 mW/g

# IEEE 802.11b /Left Tilted Low CH1/Zoom Scan (7x7x7)/Cube 0:

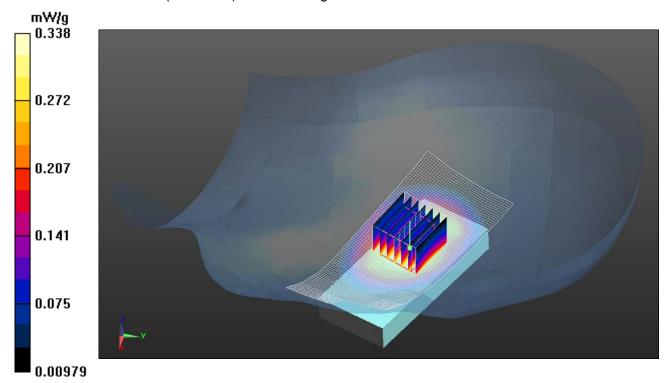
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.032 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.460 W/kg

# SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.338 mW/g



June 10,2012

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

## IEEE 802.11b-Body Up Low CH1

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency:

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.93 \text{ mho/m}$ ;  $\varepsilon_r = 51.68$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

### IEEE 802.11b /802.11b Body Up Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.125 mW/g

# IEEE 802.11b /802.11b Body Up Low CH1/Zoom Scan (7x7x7)/Cube 0:

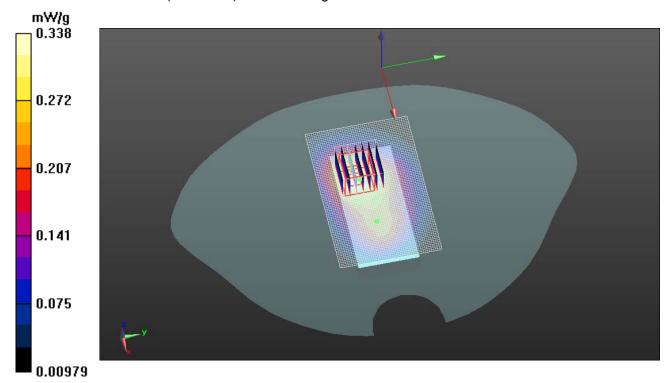
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.785 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.378 W/kg

# SAR(1 g) = 0.214 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.135 mW/g



# IEEE 802.11b-Body Down Low CH1

DUT: GSM Mobile phone; Type: I652; Serial: 358688000000158

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency:

Reference No .: KS120608A02-SE

Report No .: KS120608A02-SE

2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): f = 2412 MHz;  $\sigma = 1.94 \text{ mho/m}$ ;  $\varepsilon_r = 51.68$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

#### DASY5 Configuration:

- Probe: EX3DV4 SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

### IEEE 802.11b /802.11b Body Down Low CH1/Area Scan (41x91x1):

Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.423 mW/g

# IEEE 802.11b /802.11b Body Down Low CH1/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.220 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.842 W/kg

#### SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.655 mW/g

