

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 1/21/2019

**GSM 850-Head**

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.66993

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.913$  S/m;  $\epsilon_r = 42.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Ambient Temperature:23.2°C;Liquid Temperature:22.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.73, 10.73, 10.73) @ 836.6 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Left Touch Cheek/CH 190/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.170 W/kg

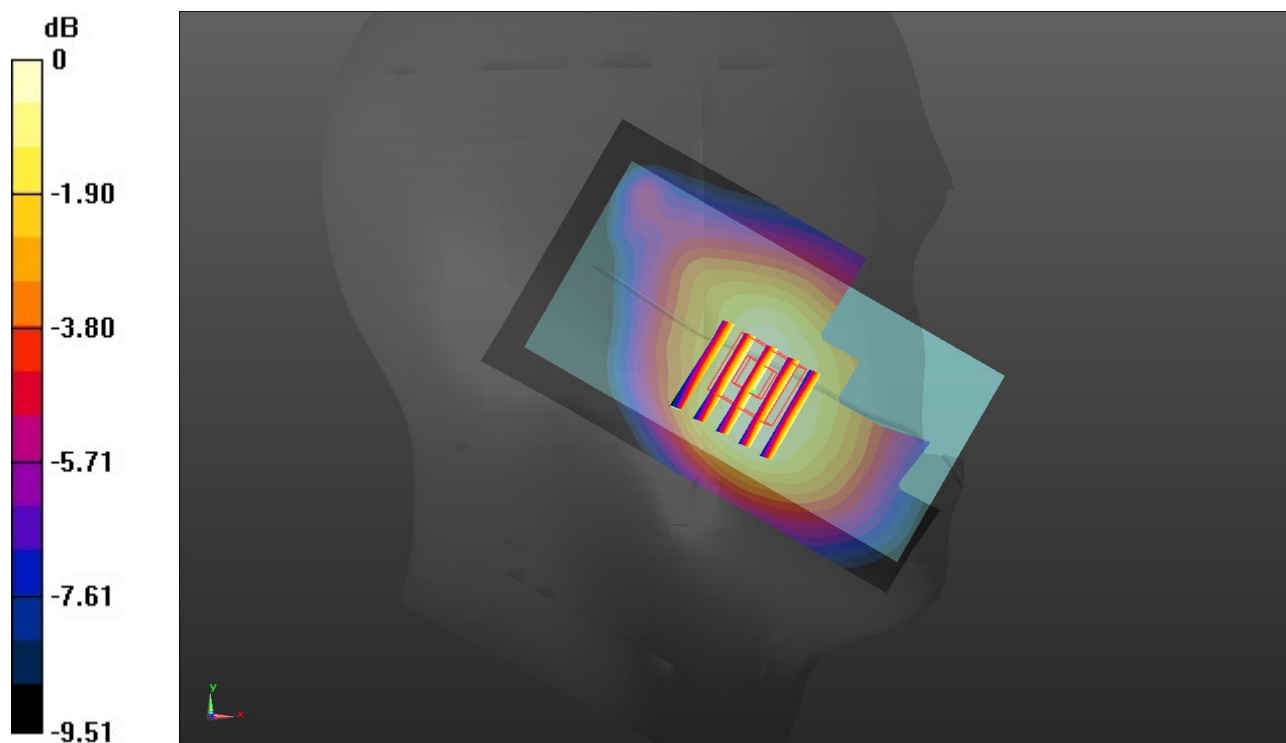
**Left Touch Cheek/CH 190/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.658 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.183 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.109 W/kg**

Maximum value of SAR (measured) = 0.167 W/kg



0 dB = 0.167 W/kg = -7.77 dBW/kg

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Date: 1/22/2019

**GSM 850-Body**

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.66993

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 55.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:23.2°C;Liquid Temperature:22.9°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.5, 10.5, 10.5) @ 836.6 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Rear/CH 190/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

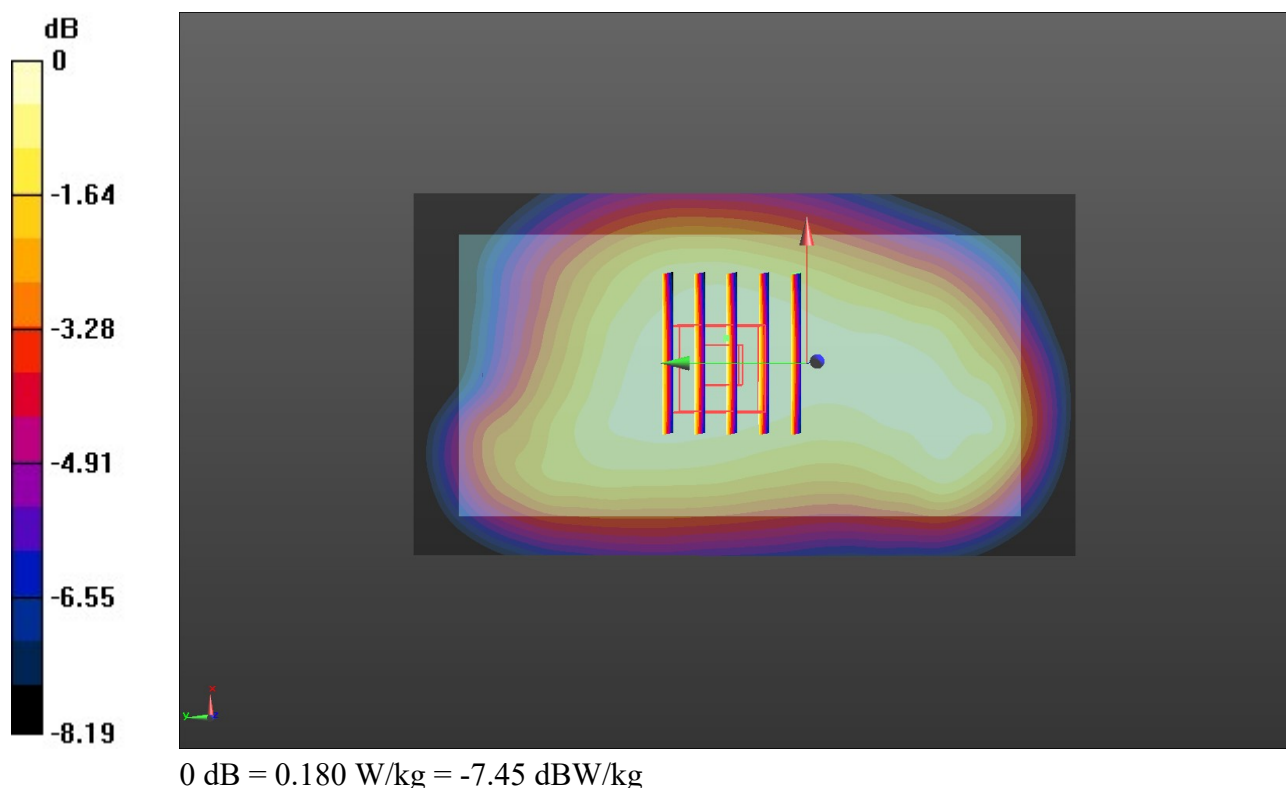
**Rear/CH 190/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.90 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.206 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.111 W/kg**

Maximum value of SAR (measured) = 0.180 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 1/24/2019

**GSM 1900-Head**

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 1880 MHz;Duty Cycle: 1:2.66993

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.738$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Right Section

Ambient Temperature:22.9°C;Liquid Temperature:22.5°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.83, 8.83, 8.83) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right Cheek Touch/CH 661/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.580 W/kg

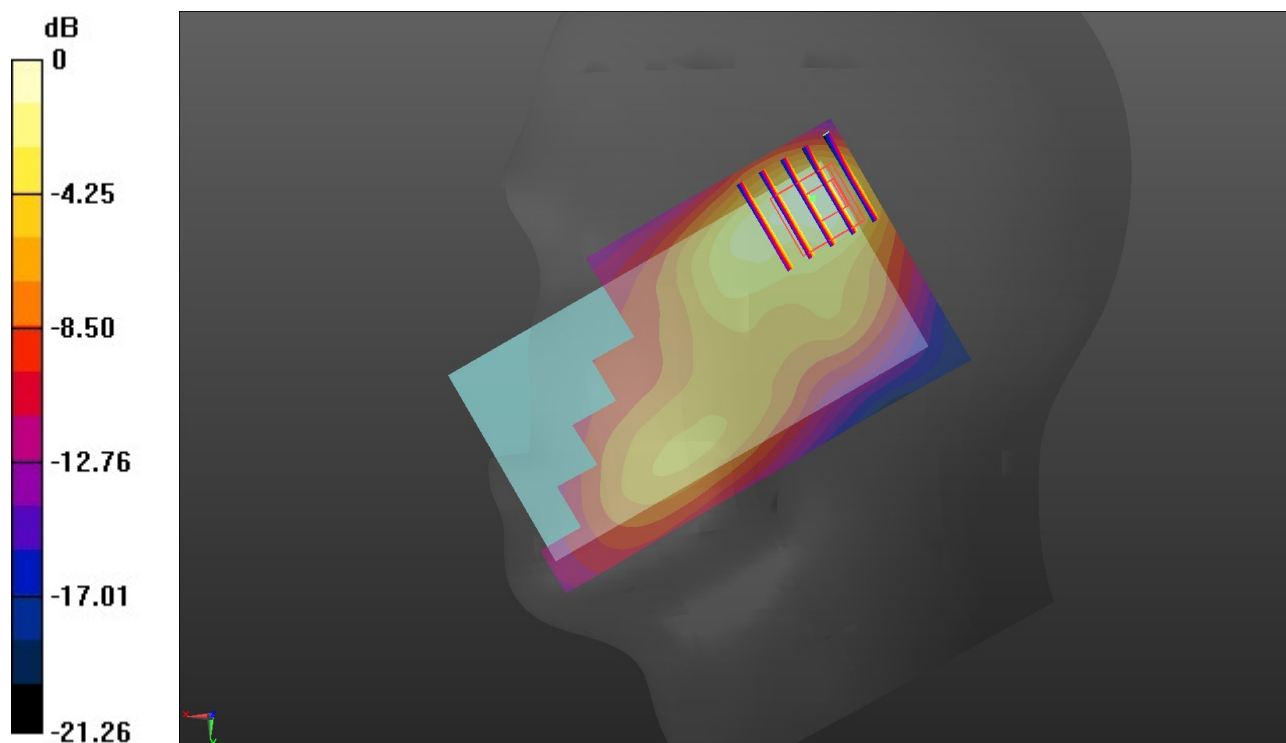
**Right Cheek Touch/CH 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.868 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.703 W/kg

**SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.149 W/kg**

Maximum value of SAR (measured) = 0.500 W/kg



0 dB = 0.500 W/kg = -3.01 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 1/25/2019

**GSM 1900-Body**

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 1880 MHz;Duty Cycle: 1:2.66993

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:23.0°C;Liquid Temperature:22.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.42, 8.42, 8.42) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Rear/CH 661/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.320 W/kg

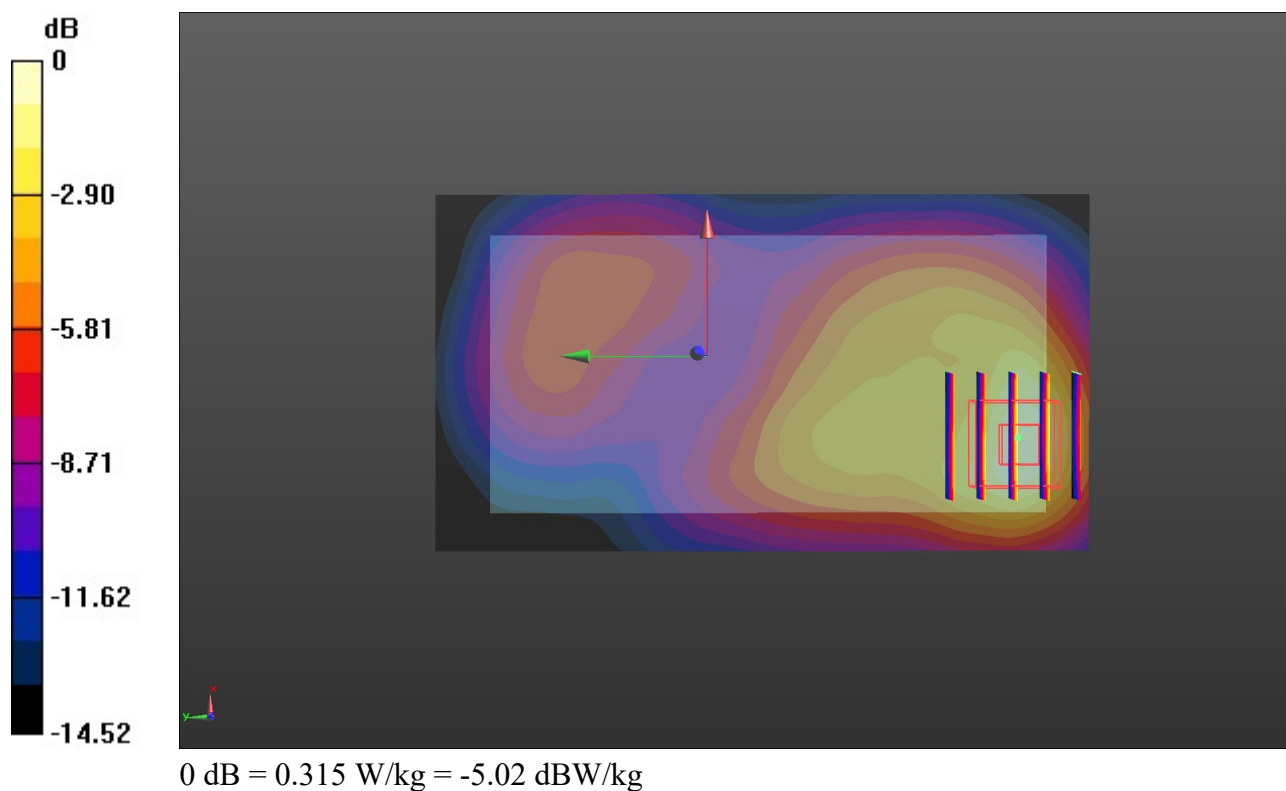
**Rear/CH 661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.199 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.386 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.118 W/kg**

Maximum value of SAR (measured) = 0.315 W/kg



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Date: 1/24/2019

**WCDMA Band II-Head**

Communication System: UID 0, Generic UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 40.738$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Ambient Temperature:22.9°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.83, 8.83, 8.83) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right Cheek Touch/CH 9400/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.332 W/kg

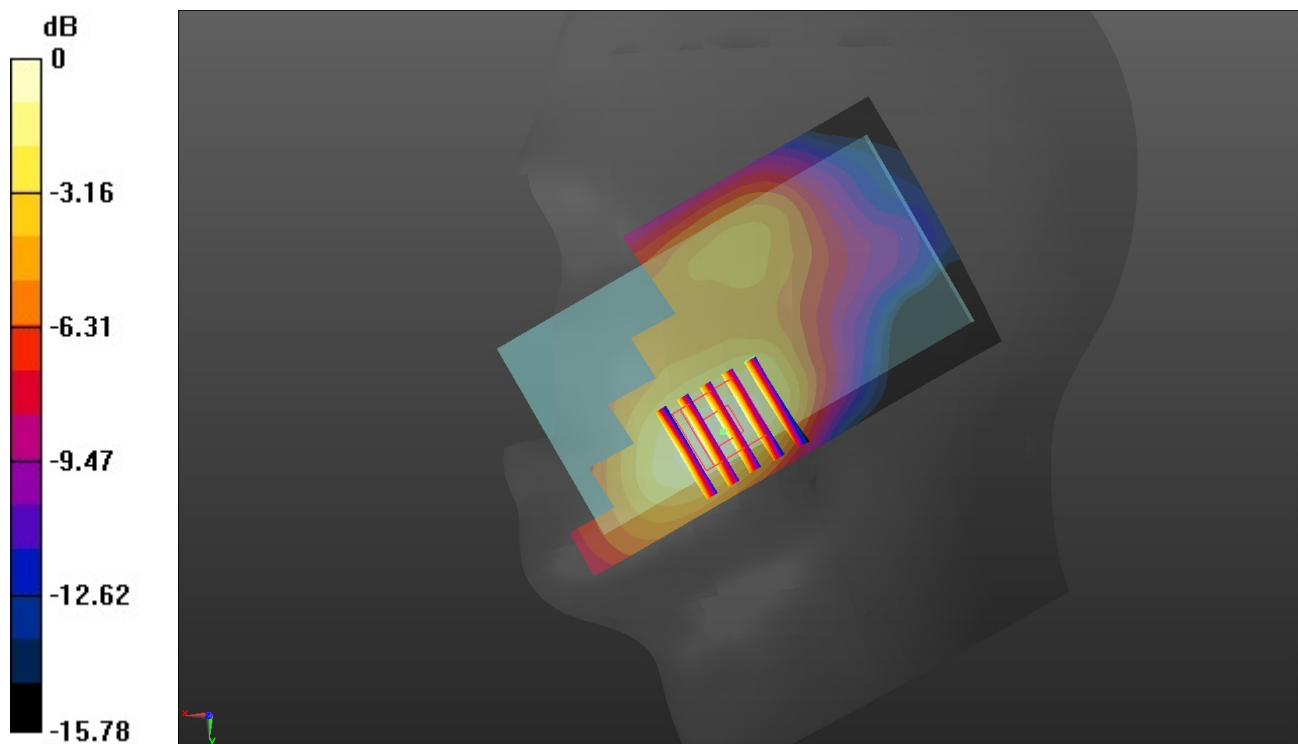
**Right Cheek Touch/CH 9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.909 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.381 W/kg

**SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.150 W/kg**

Maximum value of SAR (measured) = 0.333 W/kg



0 dB = 0.333 W/kg = -4.78 dBW/kg

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Date: 1/25/2019

**WCDMA Band II-Body**

Communication System: UID 0, Generic UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

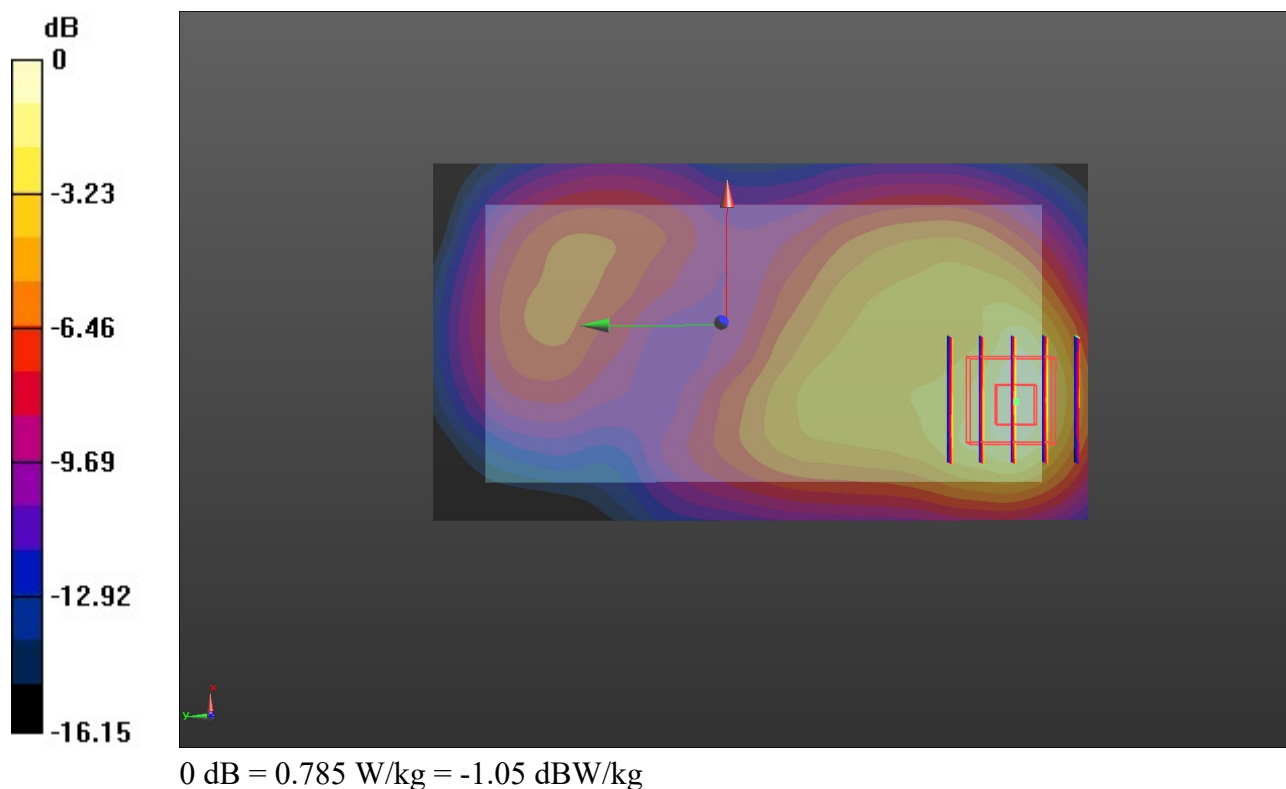
Ambient Temperature:22.8°C;Liquid Temperature:22.4°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.42, 8.42, 8.42) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Rear/CH 9400/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.816 W/kg

**Rear/CH 9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 10.35 V/m; Power Drift = -0.14 dB  
 Peak SAR (extrapolated) = 0.948 W/kg  
**SAR(1 g) = 0.525 W/kg; SAR(10 g) = 0.298 W/kg**  
 Maximum value of SAR (measured) = 0.785 W/kg



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**WCDMA Band V-Head**

Communication System: UID 0, Generic UMTS (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.913$  S/m;  $\epsilon_r = 42.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Ambient Temperature:23.0°C;Liquid Temperature:22.8°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.73, 10.73, 10.73) @ 836.6 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Left Touch Cheek/CH 4183/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.195 W/kg

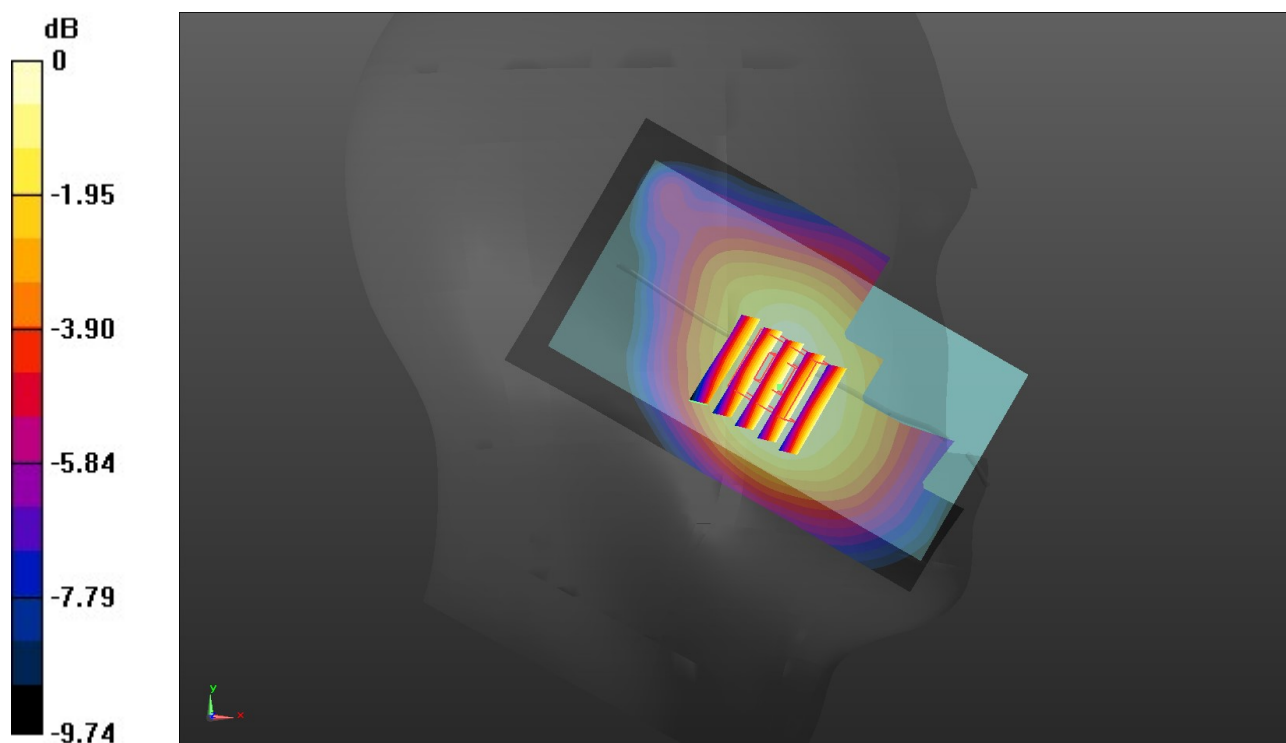
**Left Touch Cheek/CH 4183/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.179 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.207 W/kg

**SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.125 W/kg**

Maximum value of SAR (measured) = 0.190 W/kg



0 dB = 0.190 W/kg = -7.21 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 1/22/2019

**WCDMA Band V-Body**

Communication System: UID 0, Generic UMTS (0); Frequency: 836.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.967$  S/m;  $\epsilon_r = 55.399$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

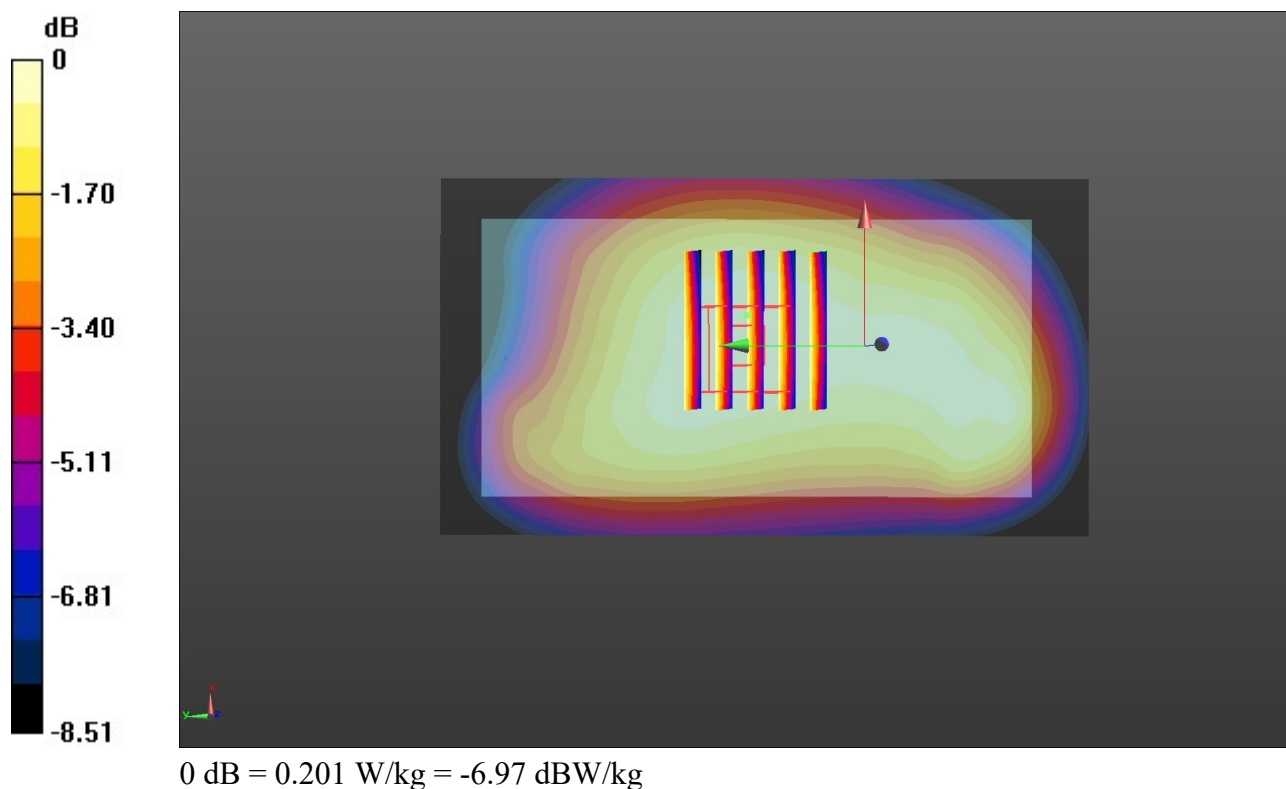
Ambient Temperature:22.9°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.5, 10.5, 10.5) @ 836.6 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Rear/CH 4183/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.200 W/kg

**Rear/CH 4183/Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 14.86 V/m; Power Drift = 0.02 dB  
 Peak SAR (extrapolated) = 0.229 W/kg  
**SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.124 W/kg**  
 Maximum value of SAR (measured) = 0.201 W/kg



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Date: 1/24/2019

**LTE Band 2-Head**

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.405 \text{ S/m}$ ;  $\epsilon_r = 40.738$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Ambient Temperature:23.1°C;Liquid Temperature:22.7°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.83, 8.83, 8.83) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Right Cheek Touch/CH 18900/Area Scan (61x101x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  
 $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.299 W/kg

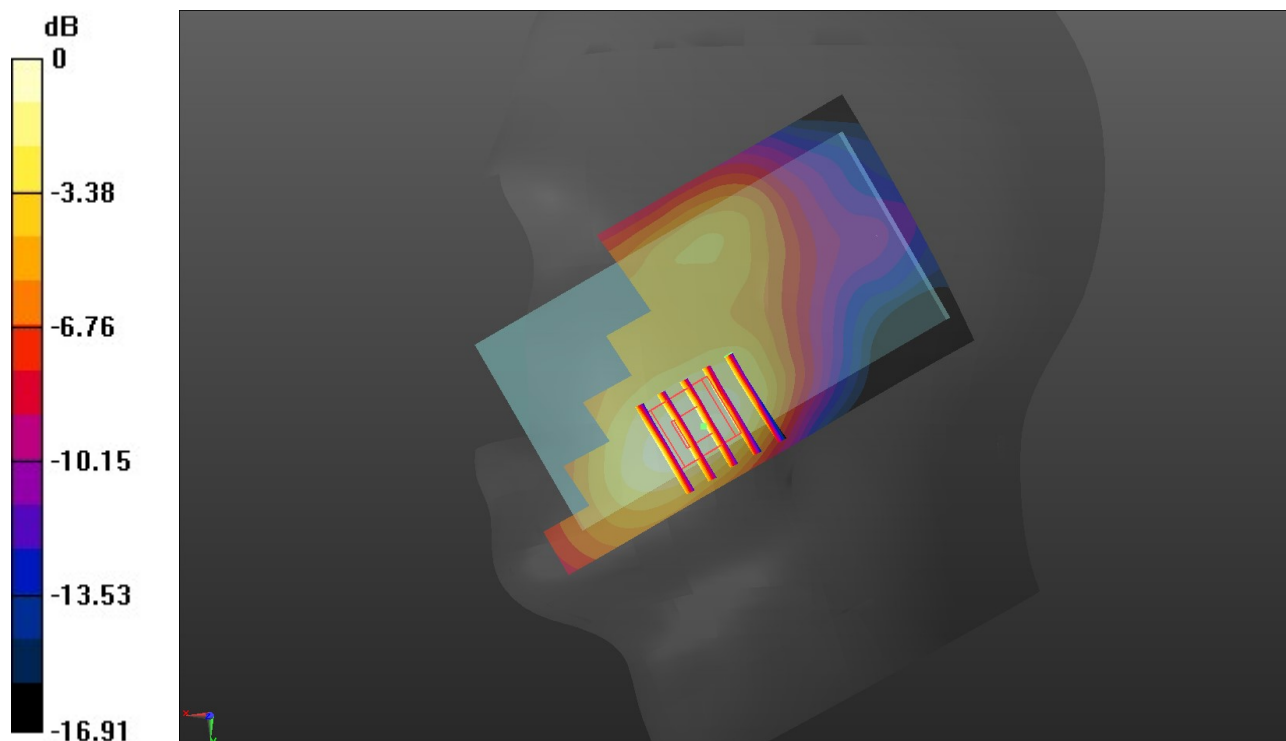
**Right Cheek Touch/CH 18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  
 $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 4.501 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.328 W/kg

**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.285 W/kg



0 dB = 0.285 W/kg = -5.45 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab

Date: 1/25/2019

**LTE Band 2-Body**

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.539$  S/m;  $\epsilon_r = 53.741$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Ambient Temperature:22.8°C;Liquid Temperature:22.6°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.42, 8.42, 8.42) @ 1880 MHz; Calibrated: 2/26/2018
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/25/2018
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Rear/CH 18900/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.612 W/kg

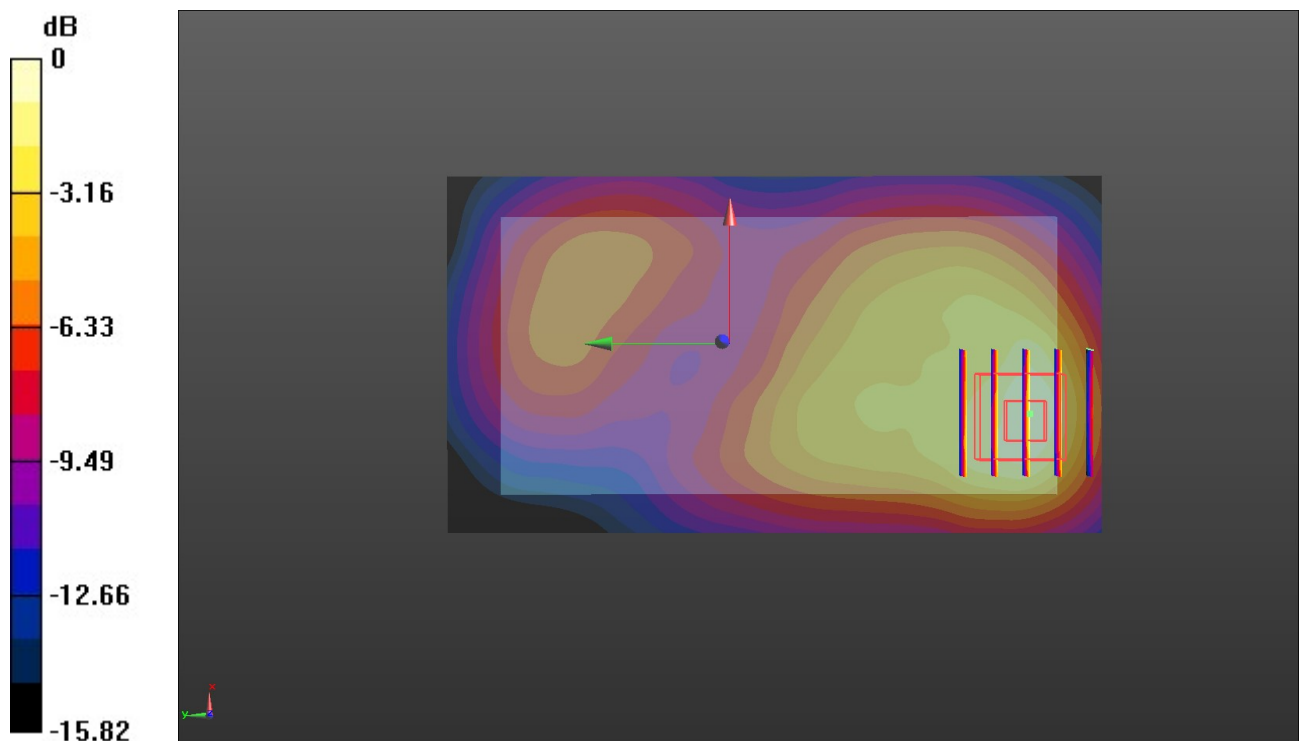
**Rear/CH 18900/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.563 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.698 W/kg

**SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.574 W/kg



0 dB = 0.574 W/kg = -2.41 dBW/kg