

Test Laboratory: UnionTrust

## P01\_GSM850\_GSM\_Left Cheek\_251

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

Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 42.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3089; ConvF(6.14, 6.14, 6.14); Calibrated: 2018-5-18
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018-5-11
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: TP/1378
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 0.733 mW/g

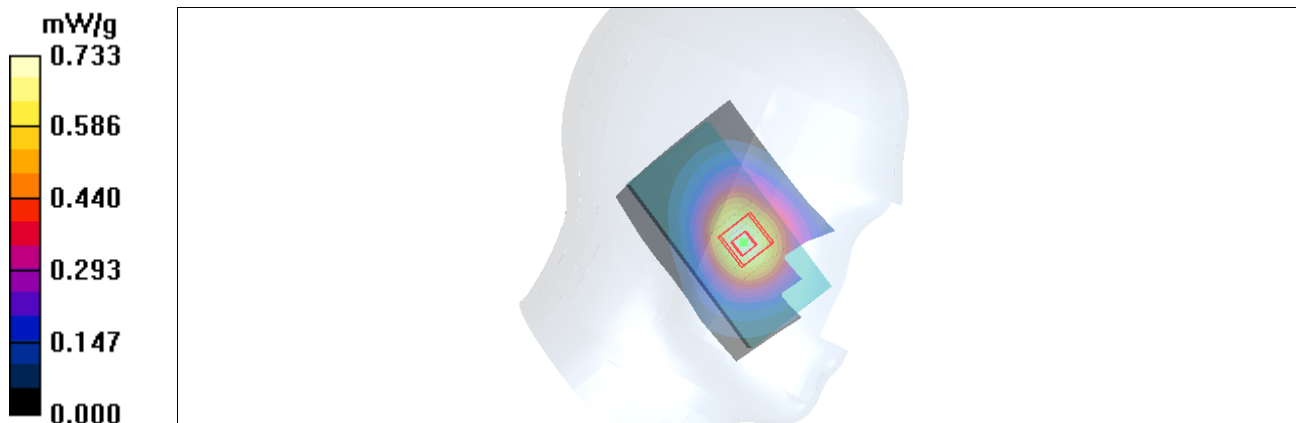
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.31 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.870 W/kg

**SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.435 mW/g**

Maximum value of SAR (measured) = 0.733 mW/g



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## P02\_GSM1900\_GSM\_Right Cheek\_512

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.35$  mho/m;  $\epsilon_r = 41.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3089; ConvF(4.81, 4.81, 4.81); Calibrated: 2018-5-18
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018-5-11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Test/Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.659 mW/g

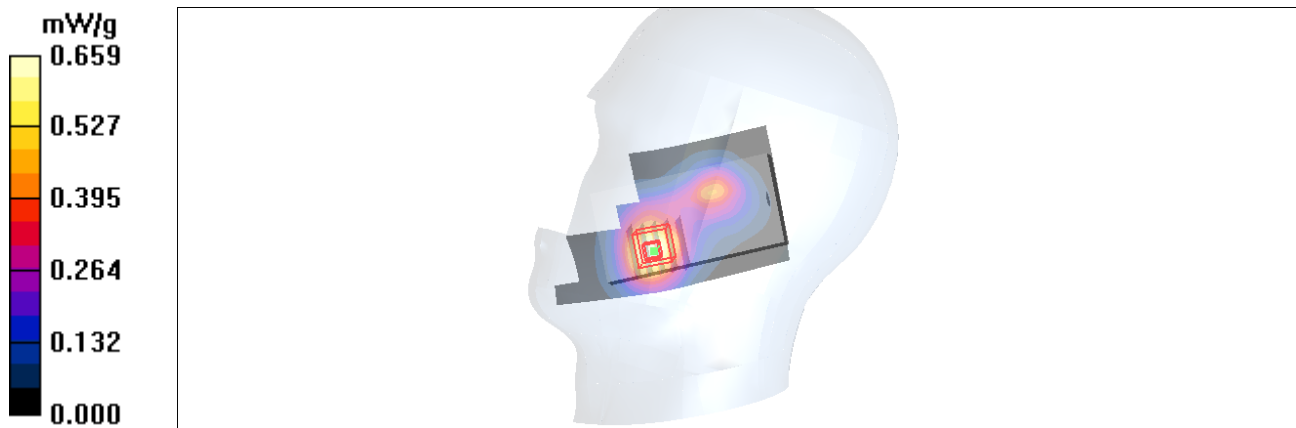
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.36 V/m; Power Drift = -0.02dB

Peak SAR (extrapolated) = 0.863 W/kg

**SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.336 mW/g**

Maximum value of SAR (measured) = 0.659 mW/g



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### **P03\_GSM850\_GSM\_Rear Face\_1cm\_251**

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

Medium parameters used:  $f = 849$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 55.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Center Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3089; ConvF(6.21, 6.21, 6.21); Calibrated: 2018-5-18
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018-5-11
- Phantom: Triple Flat Phantom 5.1C; Type: QD 000 P51 CA; Serial: 1125
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 1.01 mW/g

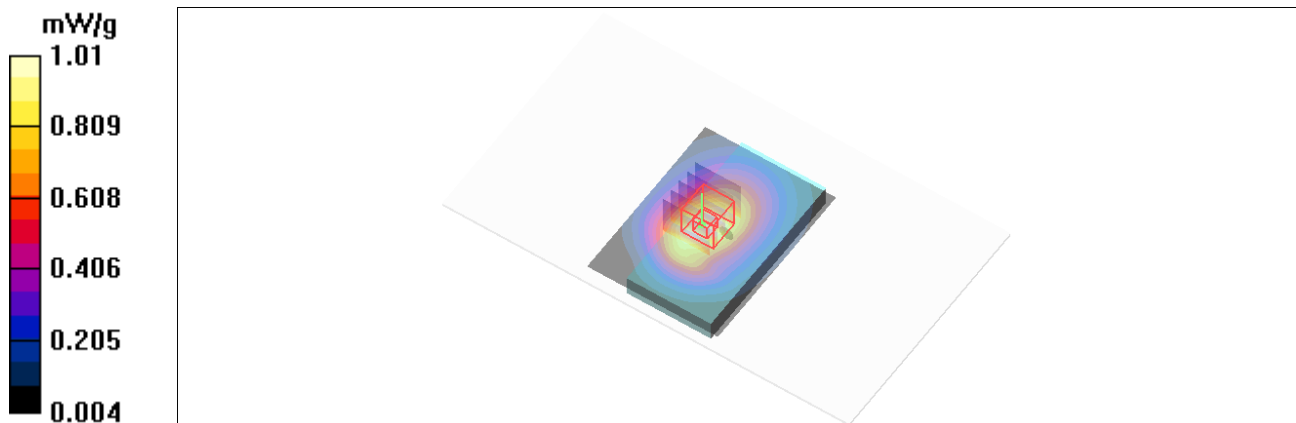
**Test/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.1 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.00 mW/g



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## P04\_GSM1900\_GSM\_Rear Face\_1cm\_512

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

- Probe: ES3DV3 - SN3089; ConvF(4.52, 4.52, 4.52); Calibrated: 2018-5-18
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn662; Calibrated: 2018-5-11
- Phantom: SAM 2; Type: QD 000 P40 CB; Serial: TP-1376
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

**Test/Area Scan (71x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.773 mW/g

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

Reference Value = 18.2 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.951 W/kg

**SAR(1 g) = 0.599 mW/g; SAR(10 g) = 0.383 mW/g**

Maximum value of SAR (measured) = 0.700 mW/g

