Annex D Plots of Maximum SAR Test Results

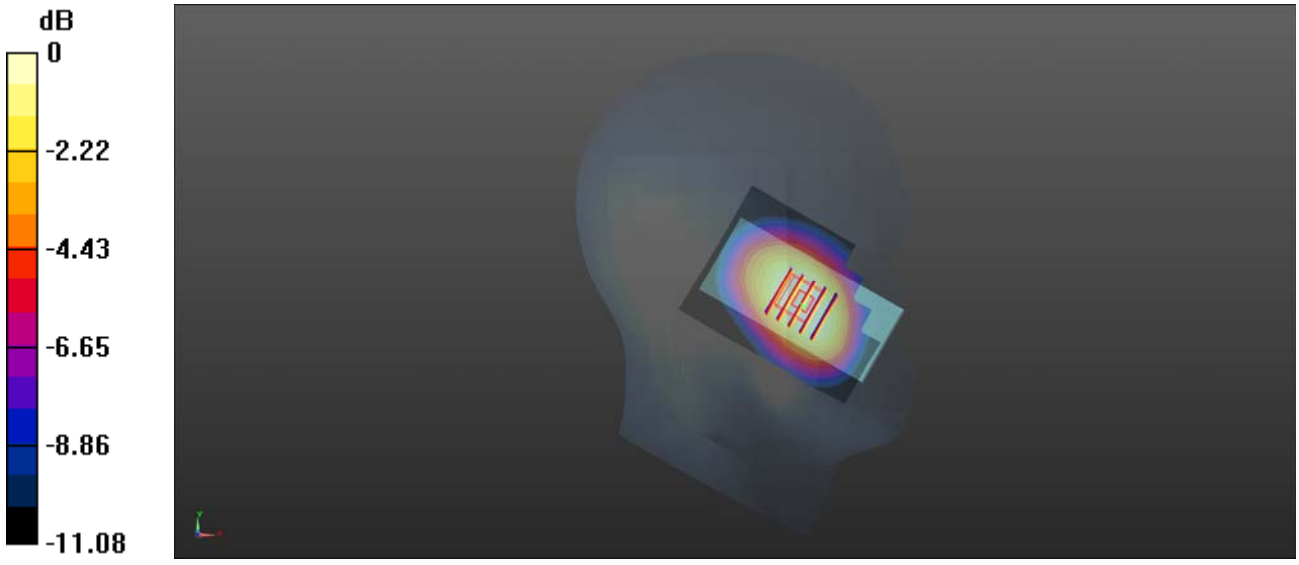
GSM850_GSM Voice_Left Cheek_Ch251

Communication System: UID 0, Generic GSM (0); Frequency: 848.8 MHz;Duty Cycle: 1:8.30042
Medium: HSL_835_181028 Medium parameters used: f = 849 MHz; σ = 0.935 S/m; ε_r = 42.132; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.26, 6.26, 6.26); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.600 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.88 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.697 W/kg
SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.402 W/kg
Maximum value of SAR (measured) = 0.585 W/kg



0 dB = 0.585 W/kg

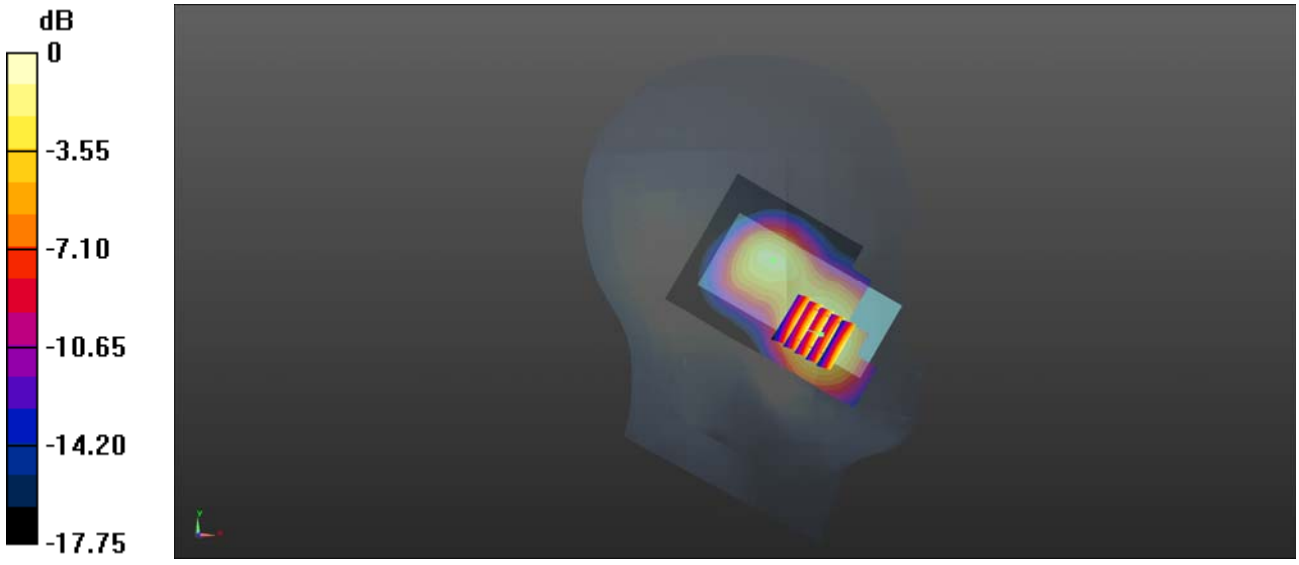
GSM1900_GSM Voice_Left Cheek_Ch661

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
Medium: HSL_1900_181028 Medium parameters used: f = 1880 MHz; σ = 1.438 S/m; ε_r = 40.969; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.98, 4.98, 4.98); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.796 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.110 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.712 W/kg; SAR(10 g) = 0.431 W/kg
Maximum value of SAR (measured) = 0.774 W/kg



0 dB = 0.774 W/kg

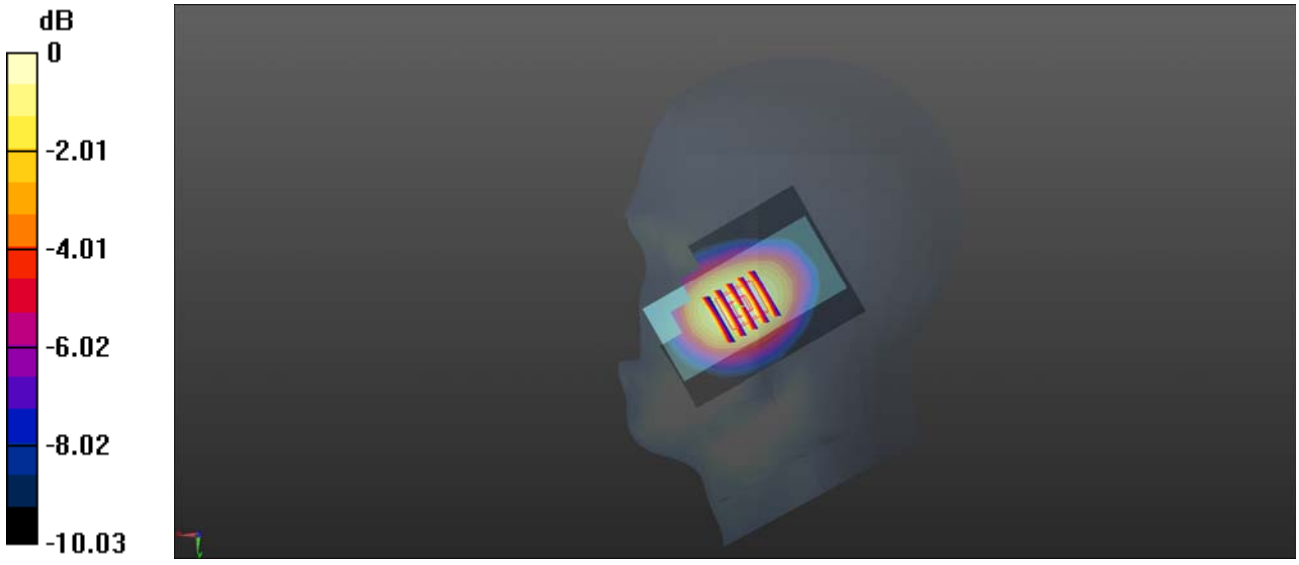
WCDMA Band V_RMC 12.2Kbps_Right Cheek_Ch4132

Communication System: UID 0, UMTS-FDD (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_181028 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.914 S/m; ε_r = 42.354; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.26, 6.26, 6.26); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0960 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.108 V/m; Power Drift = 1.67 dB
Peak SAR (extrapolated) = 0.111 W/kg
SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.066 W/kg
Maximum value of SAR (measured) = 0.0948 W/kg



0 dB = 0.0948 W/kg

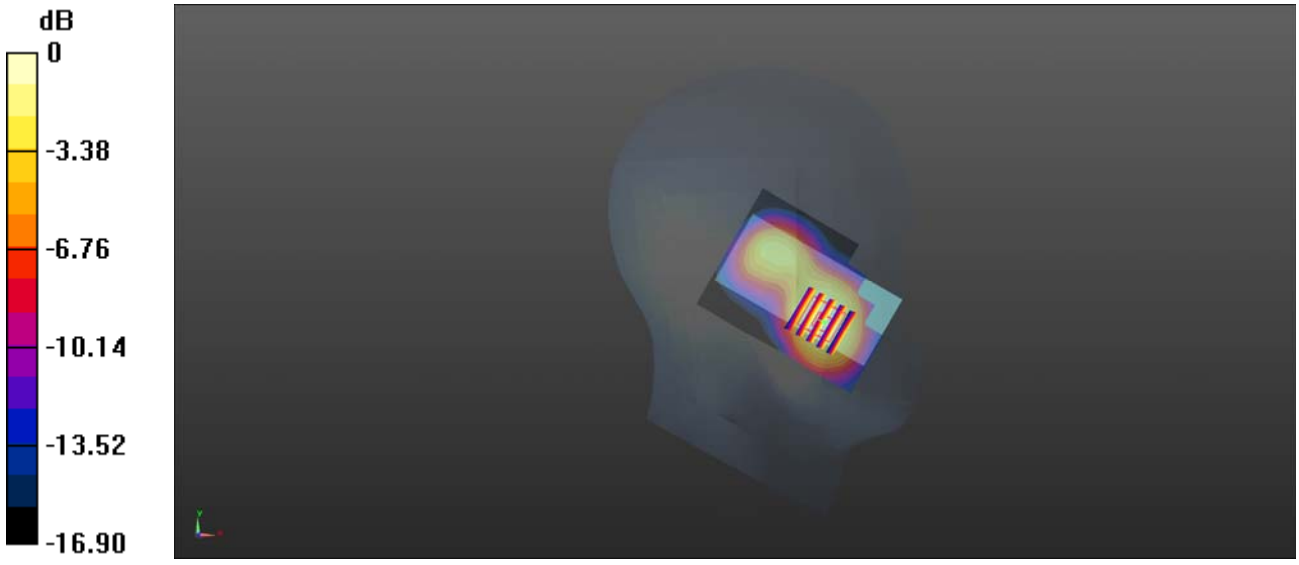
WCDMA Band II_RMC 12.2Kbps_Left Cheek_Ch9400

Communication System: UID 0, UMTS-FDD (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: HSL_1900_181028 Medium parameters used: f = 1880 MHz; σ = 1.438 S/m; ε_r = 40.969; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.98, 4.98, 4.98); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9400/Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.04 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.648 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg

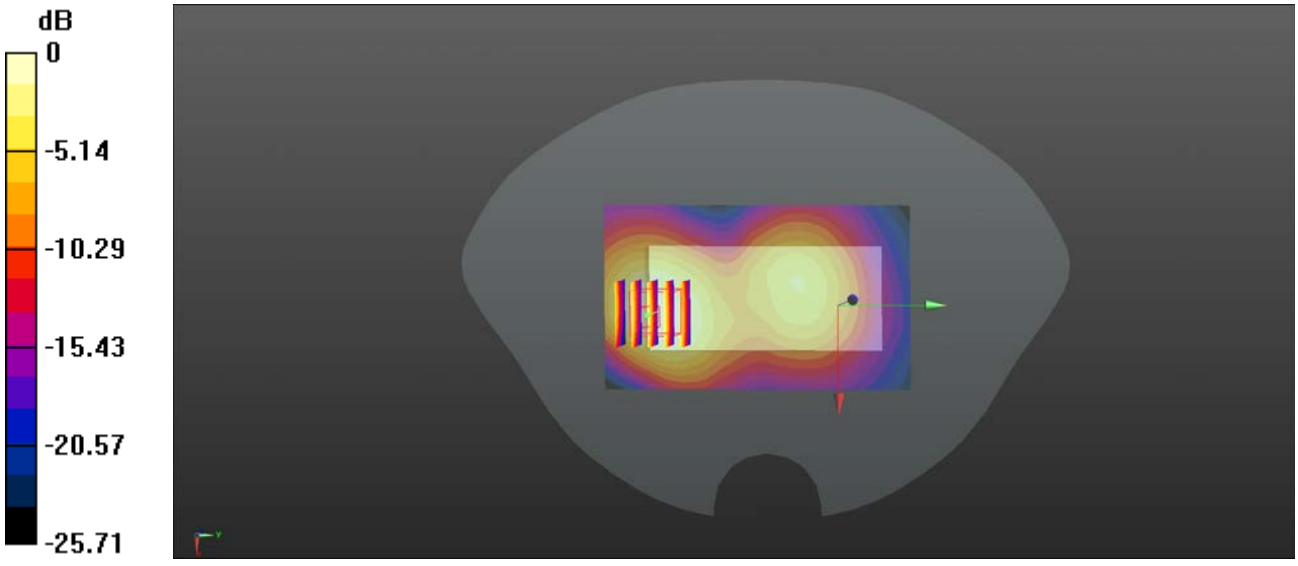
GSM850_GPRS(3 TX slots)_Back Side_10mm_Ch189

Communication System: UID 0, GSM850(class 11) (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.66993
Medium: MSL_835_181028 Medium parameters used: f = 836.4 MHz; σ = 0.947 S/m; ε_r = 54.305; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.22, 6.22, 6.22); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 35.81 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.850 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.25 W/kg

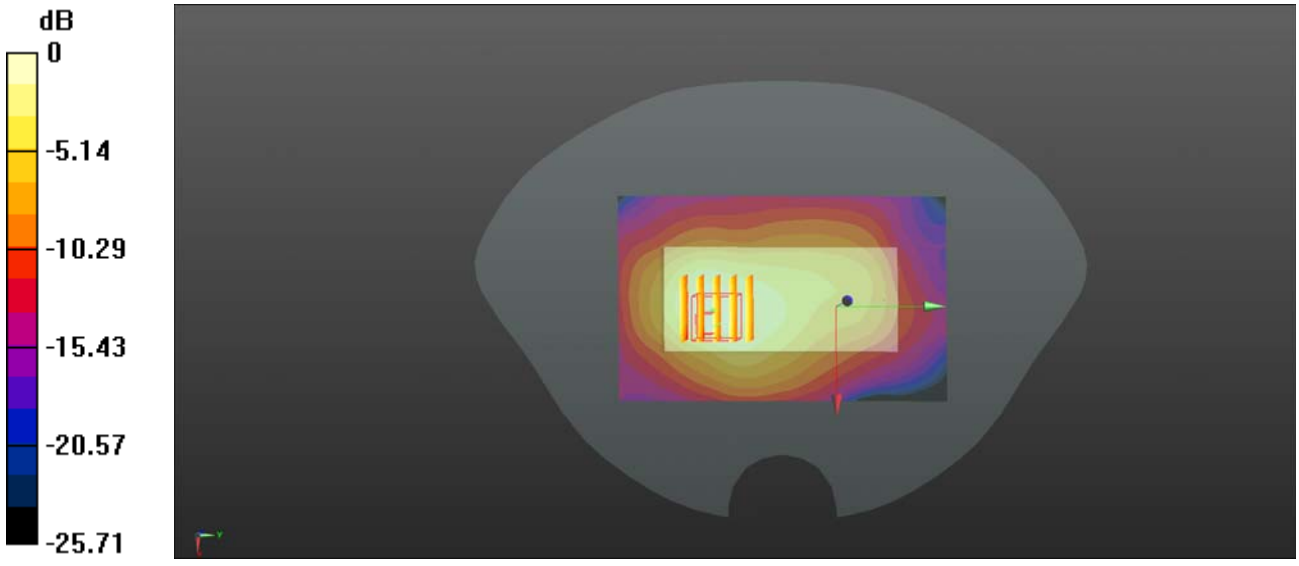
GSM850_GSM Voice_Back Side With Headset_10mm_Ch189

Communication System: UID 0, GSM850(class 11) (0); Frequency: 836.4 MHz;Duty Cycle: 1:2.66993
Medium: MSL_835_181028 Medium parameters used: f = 836.4 MHz; σ = 0.947 S/m; ε_r = 54.305; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.22, 6.22, 6.22); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch189/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 34.71 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 1.156 W/kg; SAR(10 g) = 0.743 W/kg
Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg

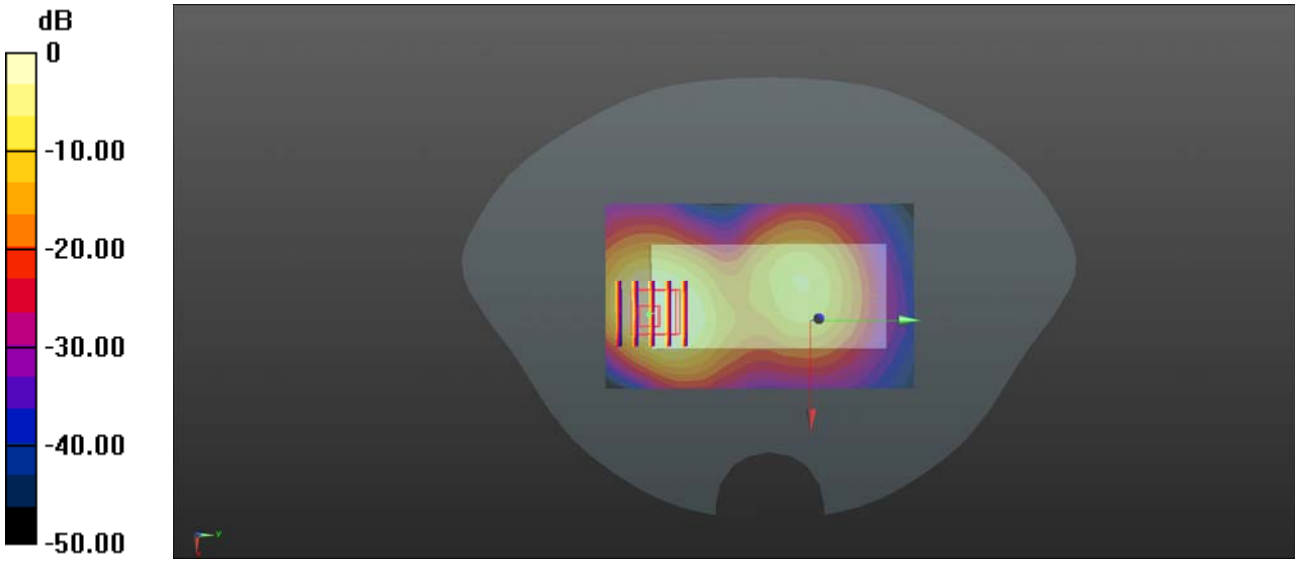
GSM1900_GPRS(3 TX slots)_Back Side_10mm_Ch661

Communication System: UID 0, PCS1900(class 11) (0); Frequency: 1880 MHz;Duty Cycle: 1:2.66993
Medium: MSL_1900_181028 Medium parameters used: f = 1880 MHz; σ = 1.509 S/m; ε_r = 52.468; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.71, 4.71, 4.71); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch661/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.25 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 2.00 W/kg
SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.525 W/kg
Maximum value of SAR (measured) = 1.09 W/kg



0 dB = 1.18 W/kg

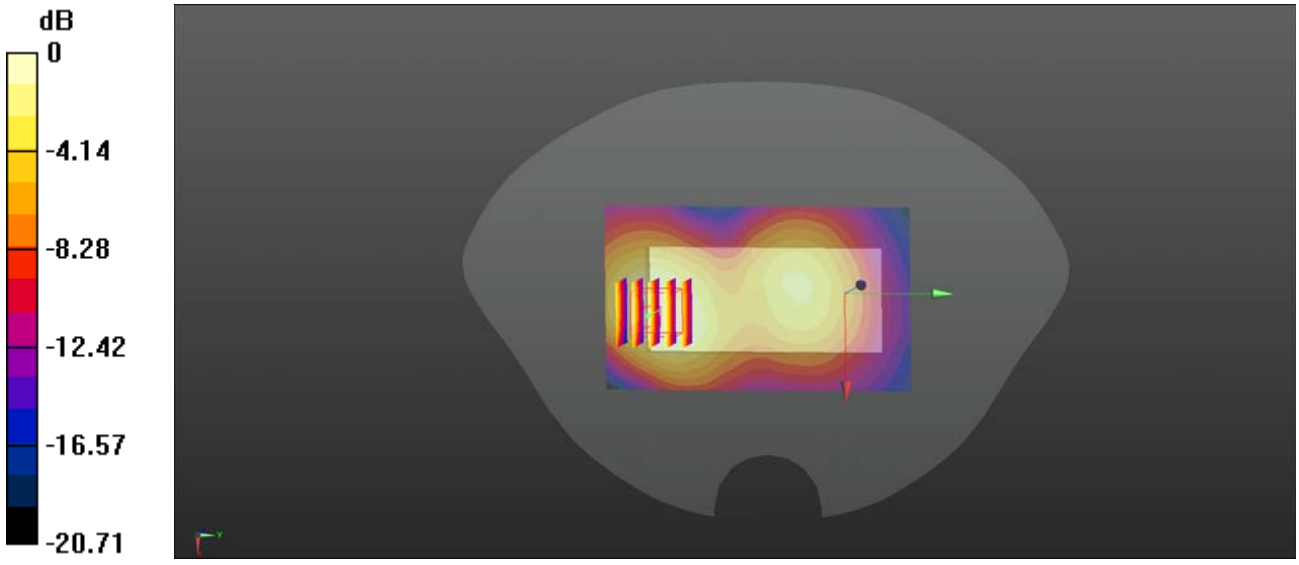
WCDMA Band V_RMC 12.2Kbps_Back Side_10mm_Ch4132

Communication System: UID 0, UMTS-FDD (0); Frequency: 826.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_181028 Medium parameters used (interpolated): f = 826.4 MHz; σ = 0.947 S/m; ε_r = 54.465; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(6.22, 6.22, 6.22); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 2; Type: QD000P40CC; Serial: TP:1464
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4132/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.645 W/kg

Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.32 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.814 W/kg
SAR(1 g) = 0.609 W/kg; SAR(10 g) = 0.429 W/kg
Maximum value of SAR (measured) = 0.652 W/kg



0 dB = 0.645 W/kg

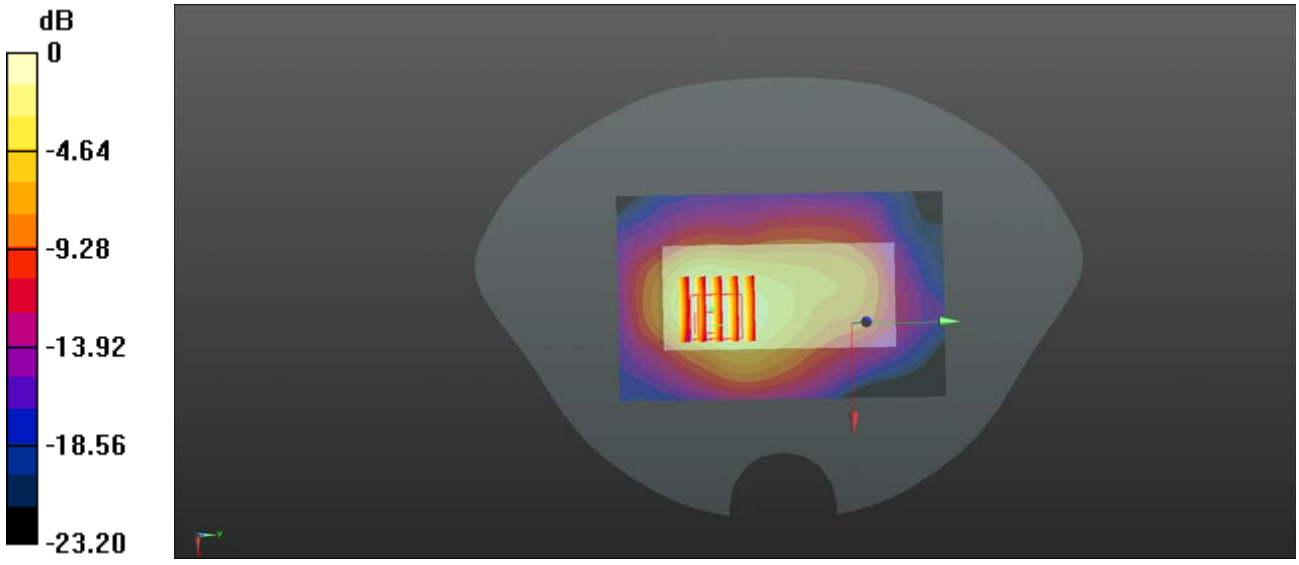
WCDMA Band II_RMC 12.2Kbps_Back Side_10mm_Ch9538

Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181028 Medium parameters used: f = 1908 MHz; σ = 1.541 S/m; ε_r = 52.377; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.71, 4.71, 4.71); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.50 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.645 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.21 W/kg

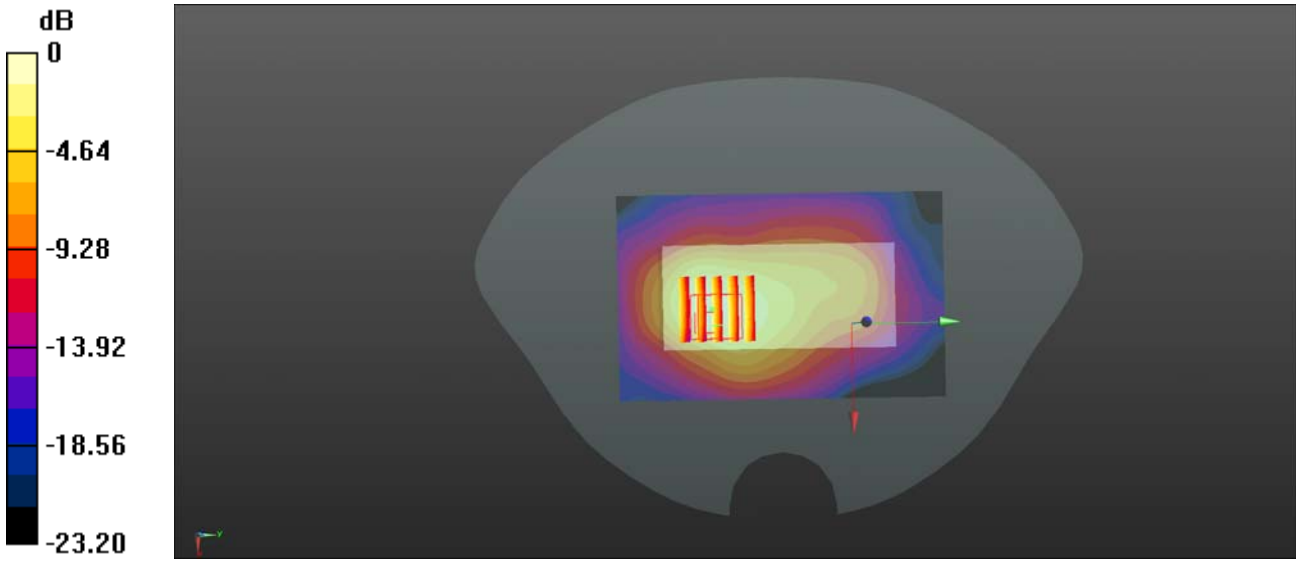
WCDMA Band II_RMC 12.2Kbps_Back Side With Headset_10mm_Ch9538

Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181028 Medium parameters used: f = 1908 MHz; σ = 1.541 S/m; ε_r = 52.377; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.71, 4.71, 4.71); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (61x71x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.50 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.93 W/kg
SAR(1 g) = 1.041 W/kg; SAR(10 g) = 0.618 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.21 W/kg

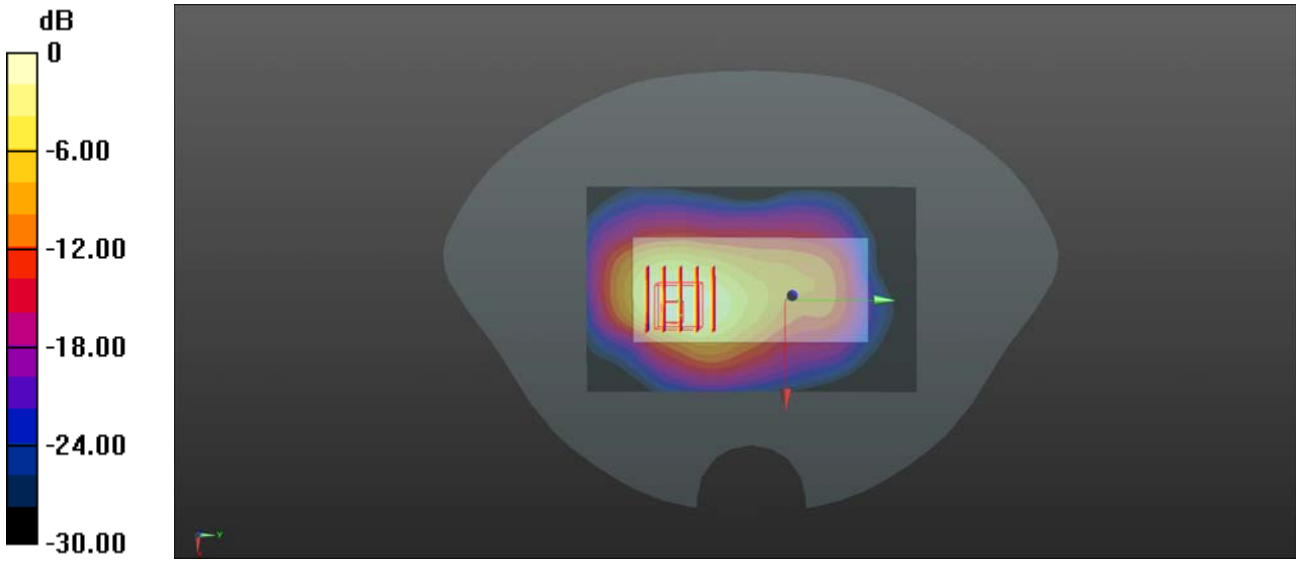
WCDMA Band II_RMC 12.2Kbps_Back Side With Holder_0mm_Ch9538

Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181028 Medium parameters used: f = 1908 MHz; σ = 1.541 S/m; ε_r = 52.377; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.71, 4.71, 4.71); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.41 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.82 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 8.90 W/kg
SAR(1 g) = 3.29 W/kg; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 3.55 W/kg



0 dB = 3.55 W/kg

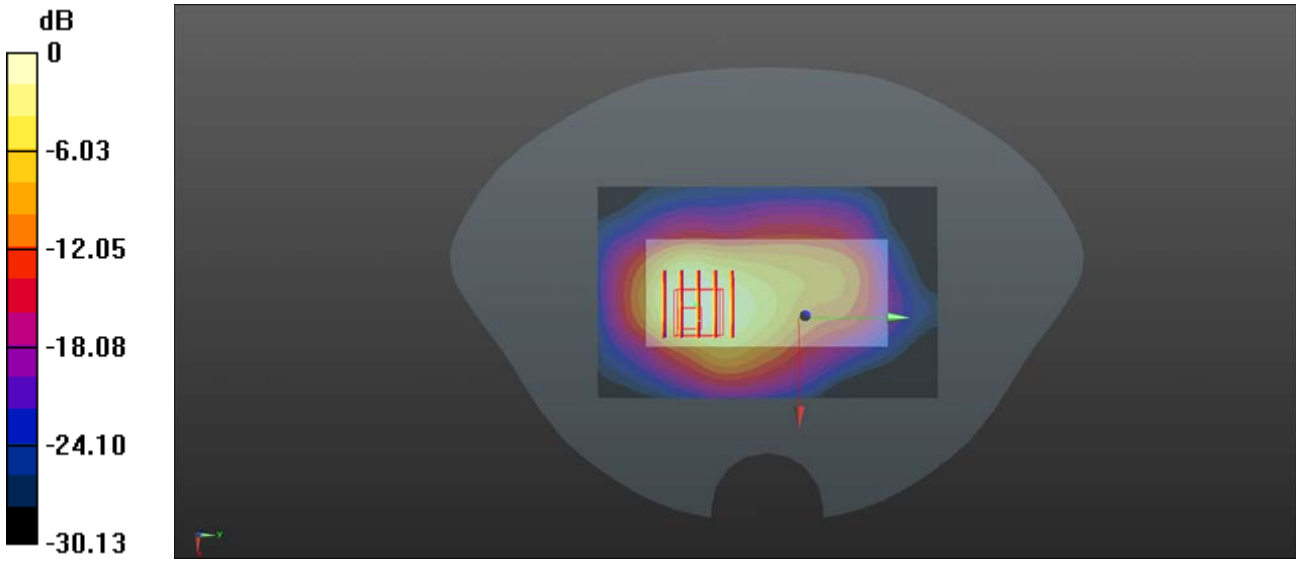
WCDMA Band II_RMC 12.2Kbps_Back Side Without Holder_0mm_Ch9538

Communication System: UID 0, UMTS-FDD (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_181028 Medium parameters used: f = 1908 MHz; σ = 1.541 S/m; ε_r = 52.377; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: ES3DV3 - SN3154; ConvF(4.71, 4.71, 4.71); Calibrated: 2017.10.30;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1516; Calibrated: 2018.07.14
- Phantom: SAM 1; Type: QD000P40CC; Serial: TP:1471
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (51x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 4.46 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.18 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 7.93 W/kg
SAR(1 g) = 3.13 W/kg; SAR(10 g) = 1.47 W/kg
Maximum value of SAR (measured) = 3.45 W/kg



0 dB = 3.45 W/kg