

Test Laboratory: Audix SAR Lab

Date: 02/09/2019

Head Touch Right CH26140(1860MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.827$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.91, 7.91, 7.91); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Right CH26140(1860MHz)/Area Scan (121x61x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.156 W/kg

Configuration/Head Touch Right CH26140(1860MHz)/Zoom Scan

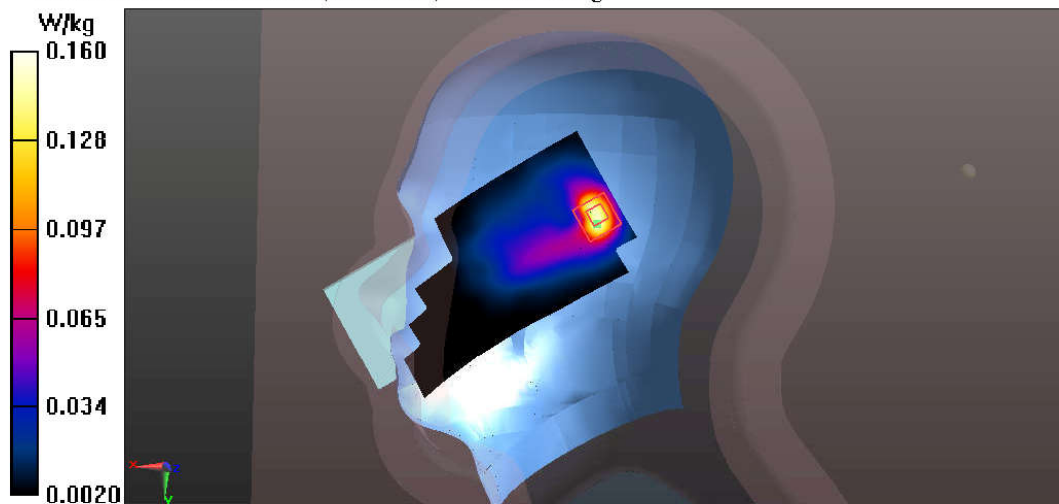
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.295 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.157 W/kg; SAR(10 g) = 0.079 W/kg

Maximum value of SAR (measured) = 0.160 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

Head Touch Left CH26140(1860MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.827$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.91, 7.91, 7.91); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Left CH26140(1860MHz)/Area Scan (121x61x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.248 W/kg

Configuration/Head Touch Left CH26140(1860MHz)/Zoom Scan

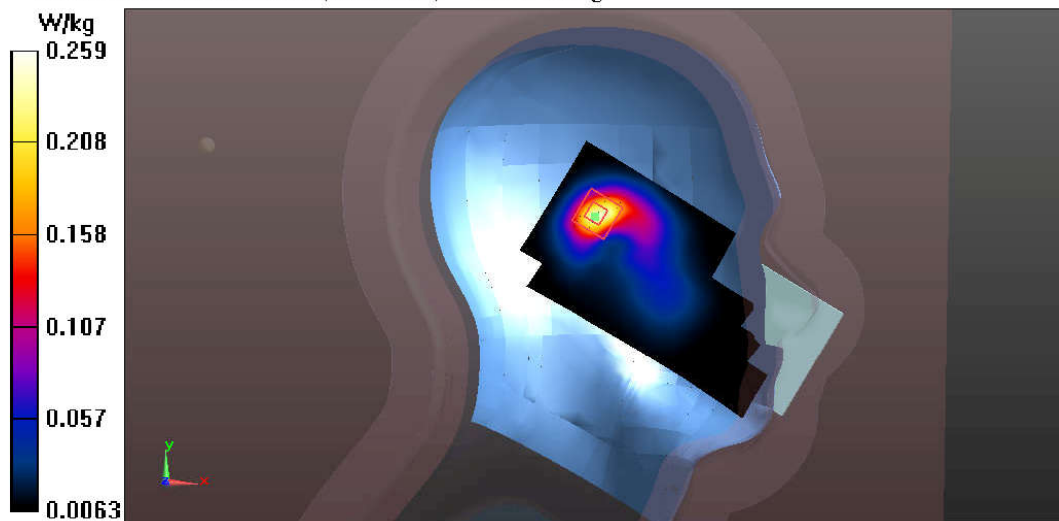
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.27 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.399 W/kg

SAR(1 g) = 0.227 W/kg; SAR(10 g) = 0.117W/kg

Maximum value of SAR (measured) = 0.259 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

Head 15 Degree Right CH26140(1860MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.827$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.91, 7.91, 7.91); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Right CH26140(1860MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.153 W/kg

Configuration/Head 15 Degree Right CH26140(1860MHz)/Zoom Scan

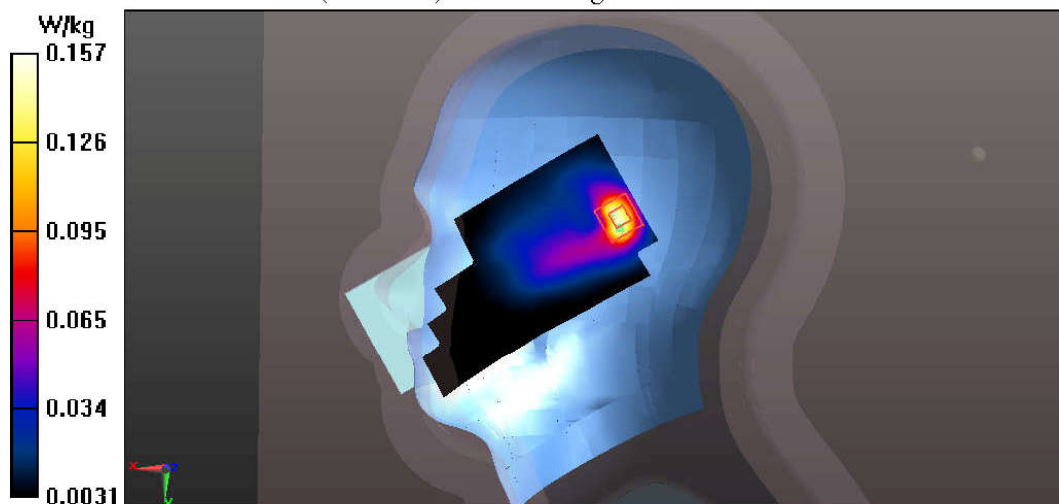
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.331 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.278 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.076 W/kg

Maximum value of SAR (measured) = 0.157 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

Head 15 Degree Left CH26140(1860MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.43$ S/m; $\epsilon_r = 39.827$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.91, 7.91, 7.91); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Left CH26140(1860MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.249 W/kg

Configuration/Head 15 Degree Left CH26140(1860MHz)/Zoom Scan

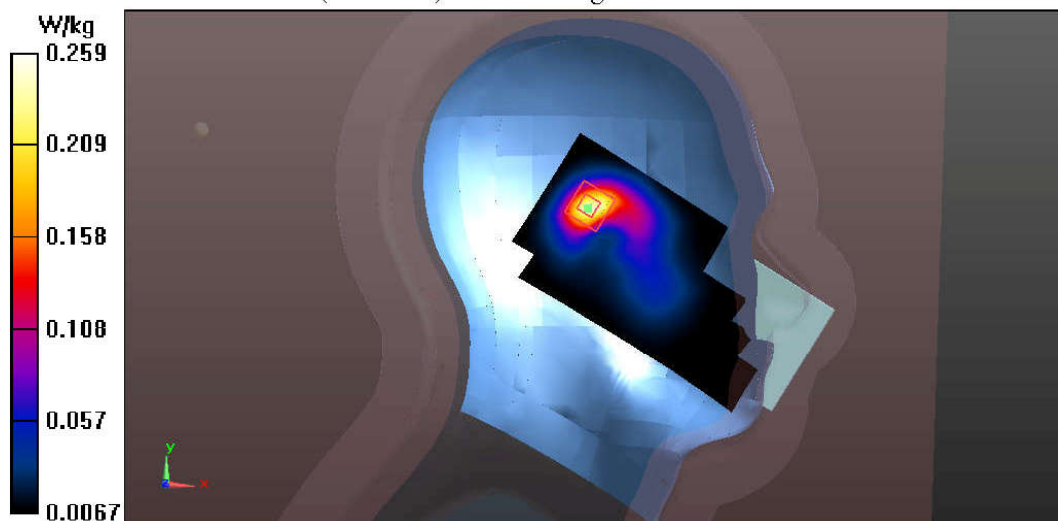
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.31 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.116 W/kg

Maximum value of SAR (measured) = 0.259 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

CH26140(1860MHz Top)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.87, 7.87, 7.87); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH26140(1860MHz Top)/Area Scan (61x81x1): Interpolated grid:

$dx = 1.500$ mm, $dy = 1.500$ mm

Maximum value of SAR (interpolated) = 0.0105 W/kg

Configuration/CH26140(1860MHz Top)/Zoom Scan (5x5x7)/Cube 0:

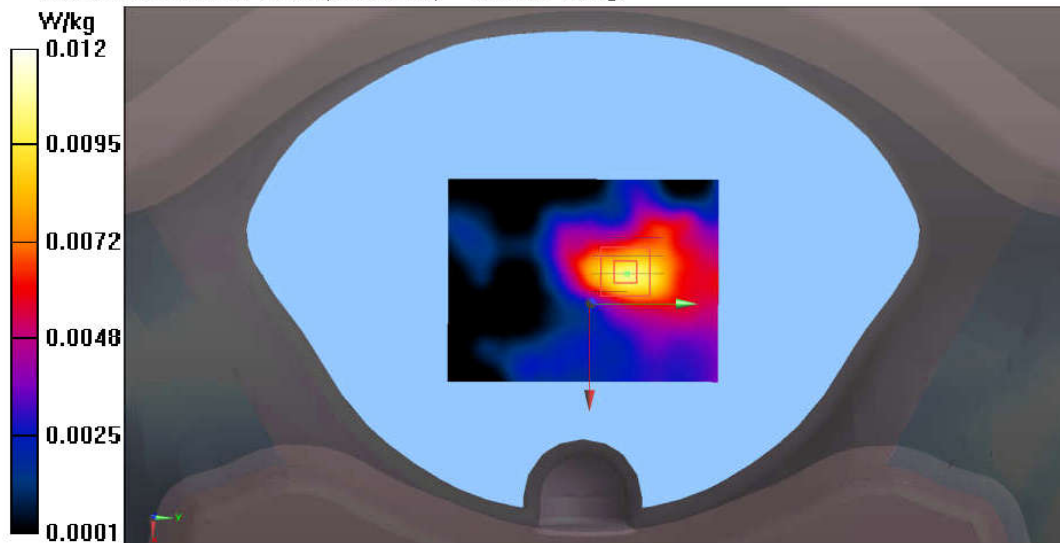
Measurement grid: $dx = 8$ mm, $dy = 8$ mm, $dz = 5$ mm

Reference Value = 2.122 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0180 W/kg

SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00599 W/kg

Maximum value of SAR (measured) = 0.0119 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

CH26140(1860MHz Right)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.87, 7.87, 7.87); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH26140(1860MHz Right)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.447 W/kg

Configuration/CH26140(1860MHz Right)/Zoom Scan (5x5x7)/Cube 0:

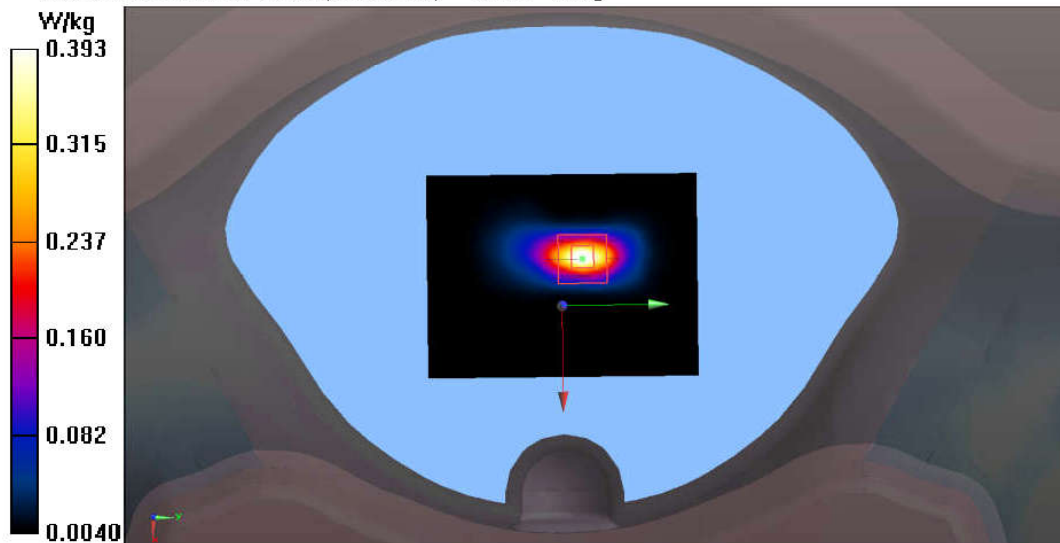
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 13.28 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.144 W/kg

Maximum value of SAR (measured) = 0.393 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

CH26140(1860MHz Front)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.87, 7.87, 7.87); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH26140(1860MHz Front)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.274 W/kg

Configuration/CH26140(1860MHz Front)/Zoom Scan (5x5x7)/Cube 0:

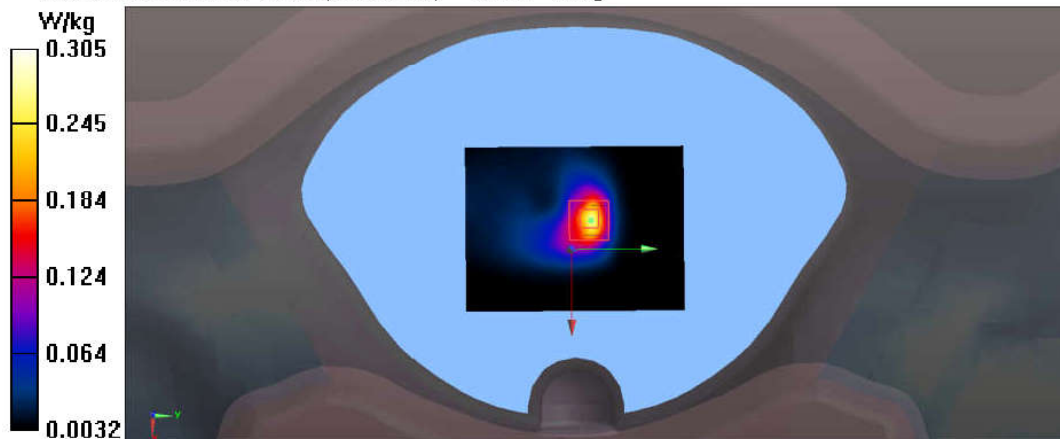
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.412 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.118 W/kg

Maximum value of SAR (measured) = 0.305 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

CH26140(1860MHz Bottom)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.87, 7.87, 7.87); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH26140(1860MHz Bottom)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0350 W/kg

Configuration/CH26140(1860MHz Bottom)/Zoom Scan (5x5x7)/Cube 0:

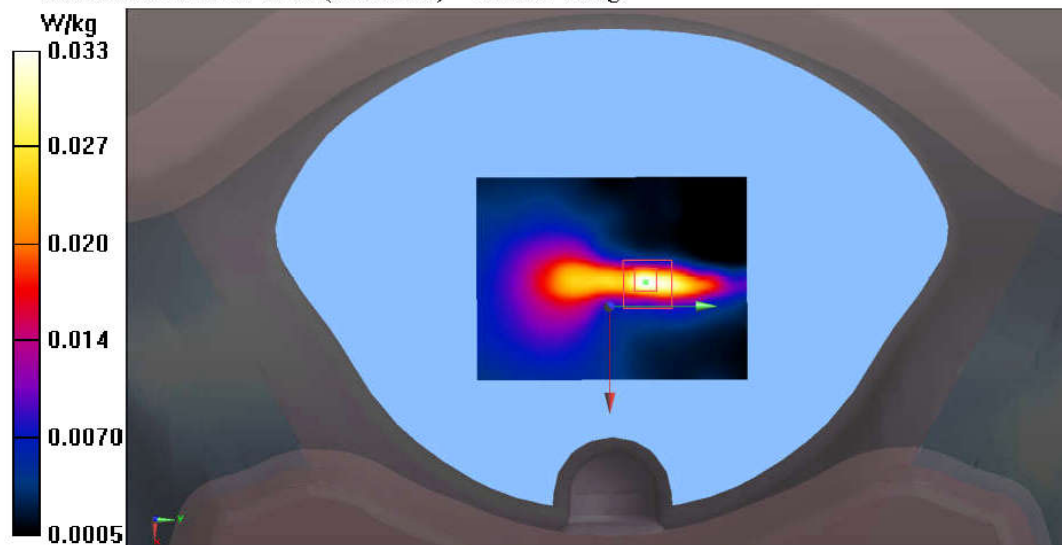
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.659 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0332 W/kg



Test Laboratory: Audix SAR Lab

Date: 02/09/2019

CH26140(1860MHz Back)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 25, E-UTRA/FDD (1850.0 - 1915.0 MHz); Frequency: 1860 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1860$ MHz; $\sigma = 1.543$ S/m; $\epsilon_r = 51.207$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.87, 7.87, 7.87); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH26140(1860MHz Back)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0750 W/kg

Configuration/CH26140(1860MHz Back)/Zoom Scan (5x5x7)/Cube 0:

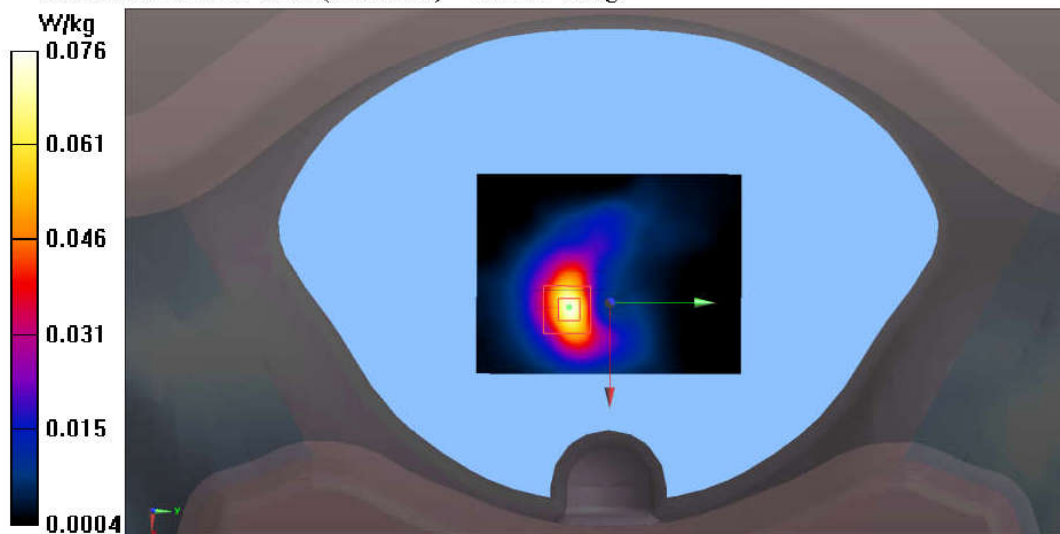
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.167 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.0757 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40340(2565MHz Back)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565 \text{ MHz}$, $\sigma = 2.16 \text{ S/m}$, $\epsilon_r = 52.14$, $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40340(2565MHz Back)/Area Scan (61x81x1): Interpolated

grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.162 W/kg

Configuration/CH40340(2565MHz Back)/Zoom Scan (5x5x7)/Cube 0:

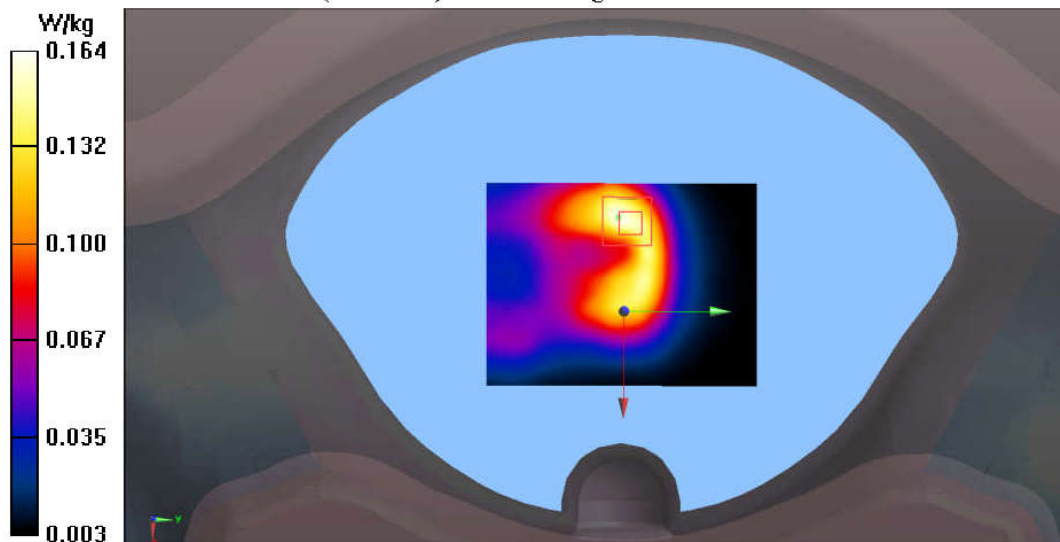
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.152 V/m ; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.315 W/kg

SAR(1 g) = 0.152 W/kg ; SAR(10 g) = 0.078 W/kg

Maximum value of SAR (measured) = 0.164 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40340(2565MHz Bottom)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565 \text{ MHz}$, $\sigma = 2.16 \text{ S/m}$, $\epsilon_r = 52.14$, $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40340(2565MHz Bottom)/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.268 W/kg

Configuration/CH40340(2565MHz Bottom)/Zoom Scan (5x5x7)/Cube 0:

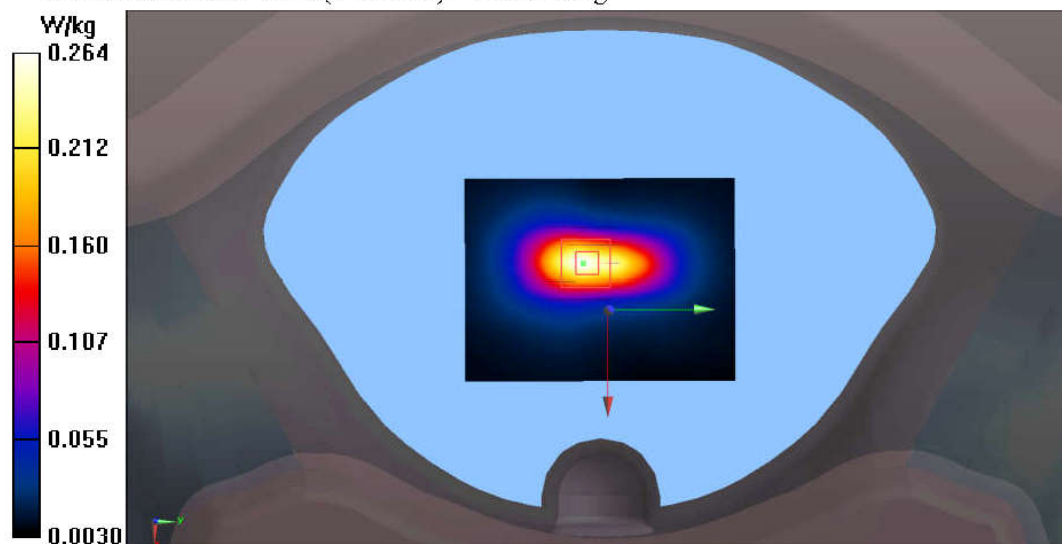
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.18 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.115 W/kg

Maximum value of SAR (measured) = 0.264 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40340(2565MHz Front)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565 \text{ MHz}$, $\sigma = 2.16 \text{ S/m}$, $\epsilon_r = 52.14$, $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40340(2565MHz Front)/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.130 W/kg

Configuration/CH40340(2565MHz Front)/Zoom Scan (5x5x7)/Cube 0:

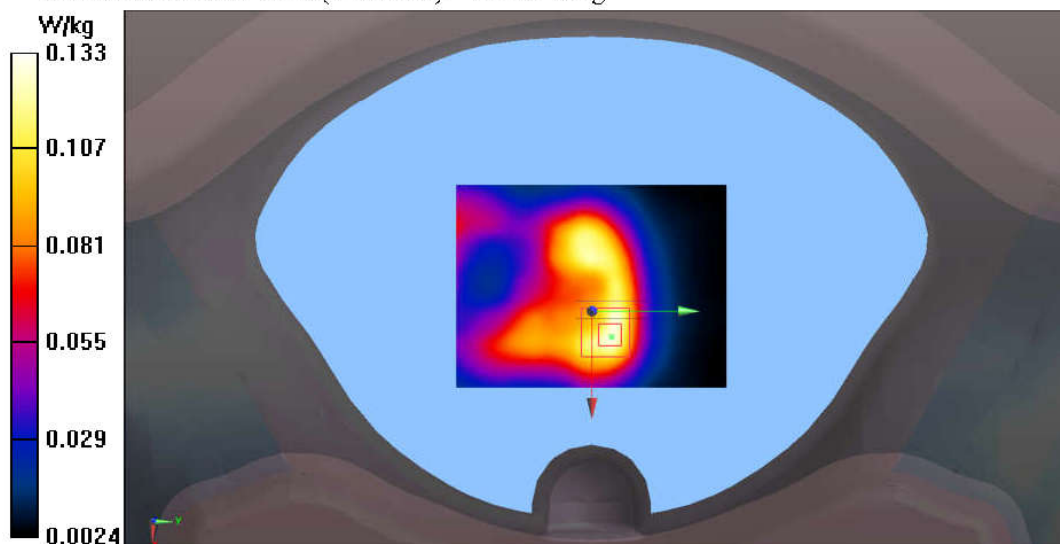
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.043 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.119 W/kg ; SAR(10 g) = 0.063 W/kg

Maximum value of SAR (measured) = 0.133 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40340(2565MHz Right)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565 \text{ MHz}$, $\sigma = 2.16 \text{ S/m}$, $\epsilon_r = 52.14$, $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40340(2565MHz Right)/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0341 W/kg

Configuration/CH40340(2565MHz Right)/Zoom Scan (5x5x7)/Cube 0:

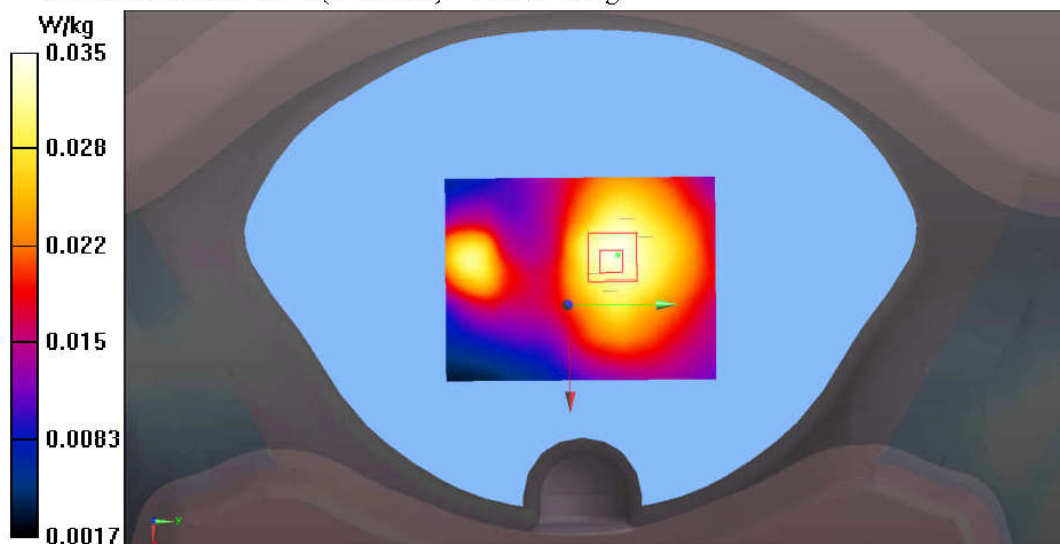
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.743 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.0590 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.020 W/kg

Maximum value of SAR (measured) = 0.0347 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40340(2565MHz Top)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.16$ S/m; $\epsilon_r = 52.14$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40340(2565MHz Top)/Area Scan (61x81x1): Interpolated grid:

$dx = 1.500$ mm, $dy = 1.500$ mm

Maximum value of SAR (interpolated) = 0.0543 W/kg

Configuration/CH40340(2565MHz Top)/Zoom Scan (5x5x7)/Cube 0:

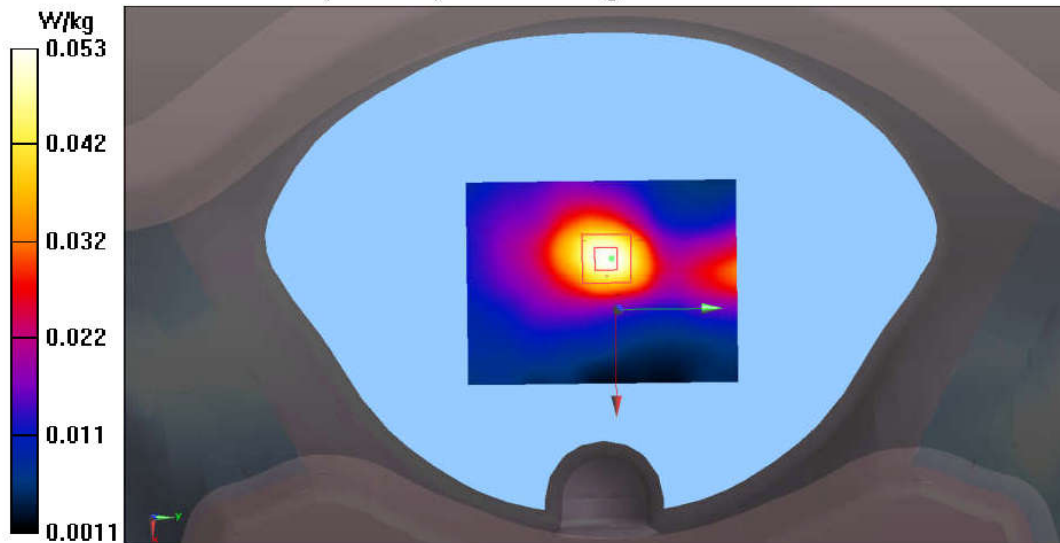
Measurement grid: $dx = 8$ mm, $dy = 8$ mm, $dz = 5$ mm

Reference Value = 4.942 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.0970 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.027 W/kg

Maximum value of SAR (measured) = 0.0528 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Left CH40290+40410(2565MHz)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz, $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.746 W/kg

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)/Zoom Scan

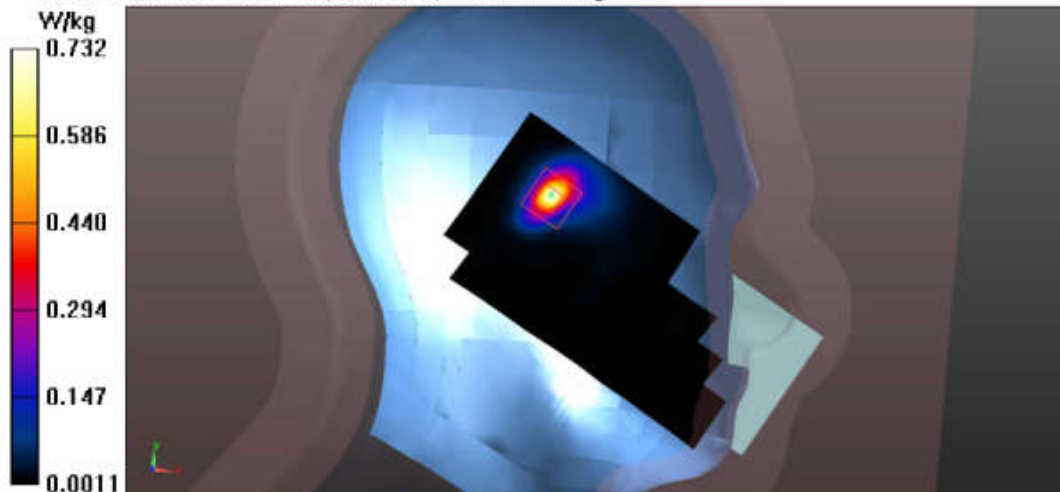
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.28 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.732 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Left CH40290+40410(2565MHz Right)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)-Right/Area

Scan (121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.13 W/kg

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)-Right/Zoom

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

Reference Value = 14.52 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.197 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Right CH40290+40410(2565MHz)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz, $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)/Area Scan

(91x51x1): Interpolated grid: $dx=2.000$ mm, $dy=2.000$ mm

Maximum value of SAR (interpolated) = 0.261 W/kg

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)/Zoom Scan

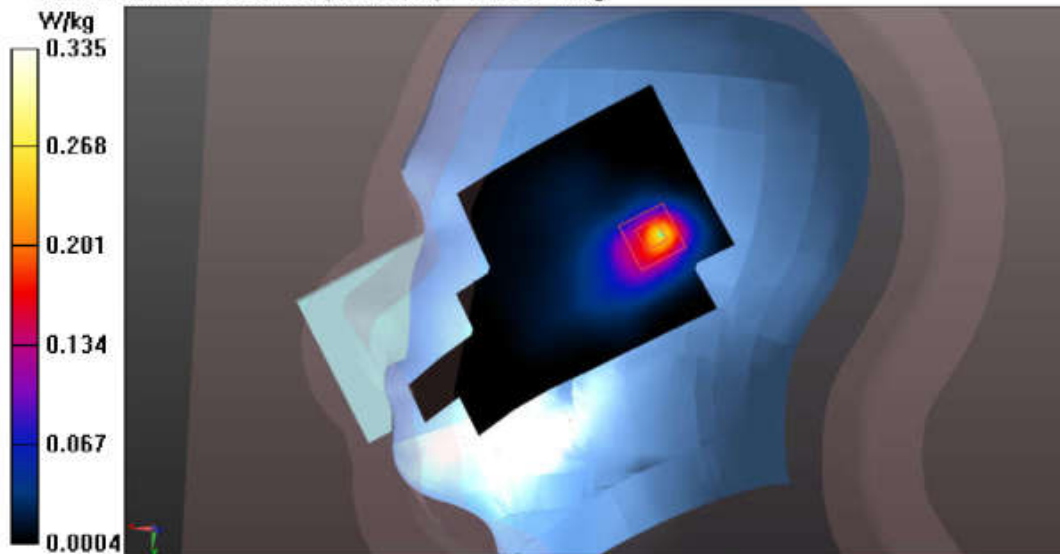
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.12 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.906 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Right CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)-Right/Area

Scan (91x51x1): Interpolated grid: $dx=2.000$ mm, $dy=2.000$ mm

Maximum value of SAR (interpolated) = 0.546 W/kg

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)-

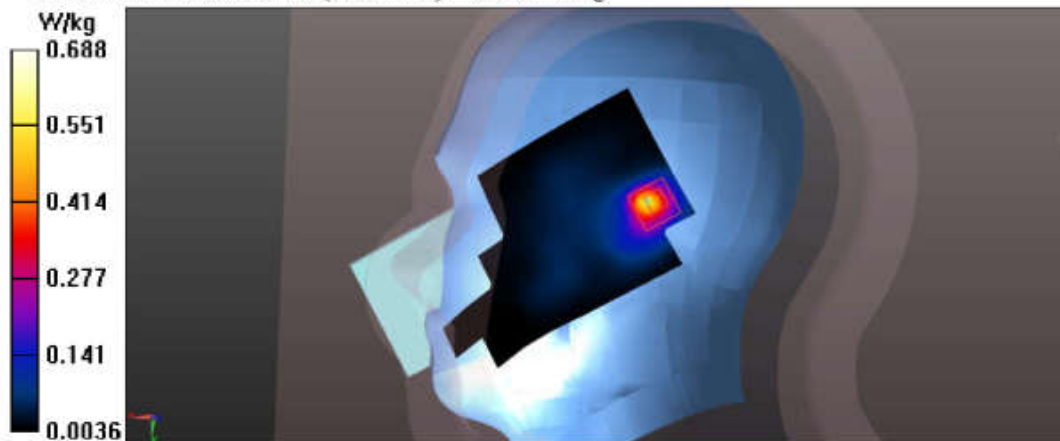
Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.476 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.103 W/kg

Maximum value of SAR (measured) = 0.688 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Left CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Left CH40290+40410(2565MHz)-Right/Area

Scan (121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.469 W/kg

Configuration/Head Touch Left CH40290+40410(2565MHz)-Right/Zoom

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

Reference Value = 12.56 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.965 W/kg

SAR(1 g) = 0.426 W/kg; SAR(10 g) = 0.203 W/kg

Maximum value of SAR (measured) = 0.446 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Left CH40290+40410(2605MHz)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz, $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Left CH40290+40410(2565MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.336 W/kg

Configuration/Head Touch Left CH40290+40410(2565MHz)/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.132 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.109 W/kg

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



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Right CH40290+40410(2565MHz)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz, $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Right CH40290+40410(2565MHz)/Area Scan

(91x51x1): Interpolated grid: $dx=2.000$ mm, $dy=2.000$ mm

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

Configuration/Head Touch Right CH40290+40410(2565MHz)/Zoom Scan

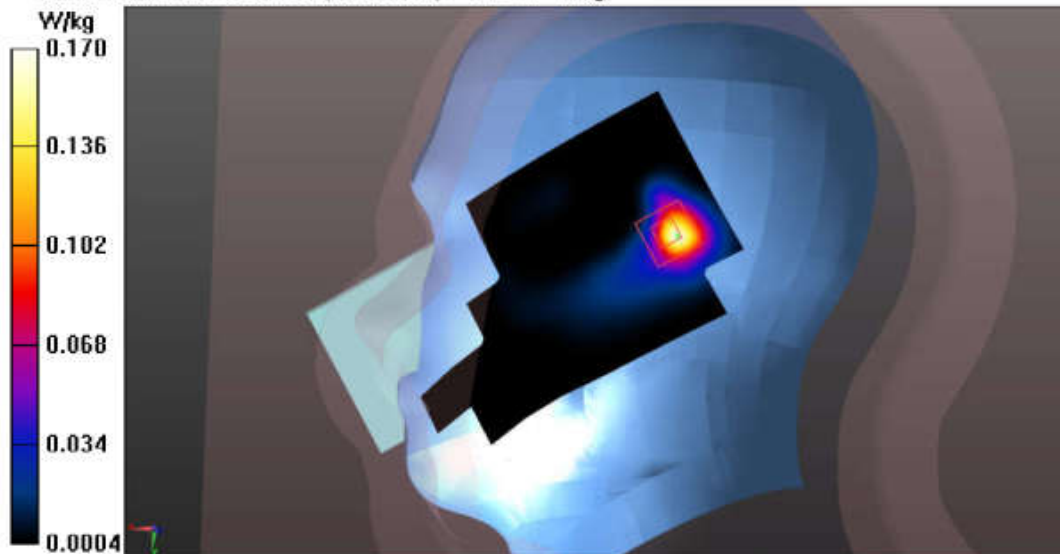
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 7.951 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.073 W/kg

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



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Right CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Right CH40290+40410(2565MHz)-Right/Area

Scan (91x51x1): Interpolated grid: $dx=2.000$ mm, $dy=2.000$ mm

Maximum value of SAR (interpolated) = 0.275 W/kg

Configuration/Head Touch Right CH40290+40410(2565MHz)-Right/Zoom

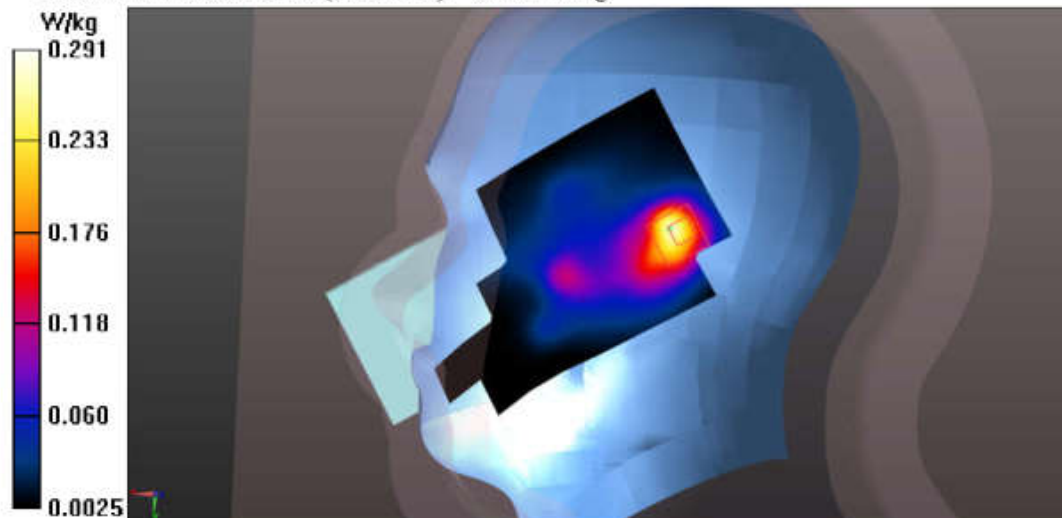
Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.363 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.623 W/kg

SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.124 W/kg

Maximum value of SAR (measured) = 0.291 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40290+40410(2565MHz Back)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.167$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40290+40410(2565MHz Back)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.102 W/kg

Configuration/CH40290+40410(2565MHz Back)/Zoom Scan (5x5x7)/Cube 0:

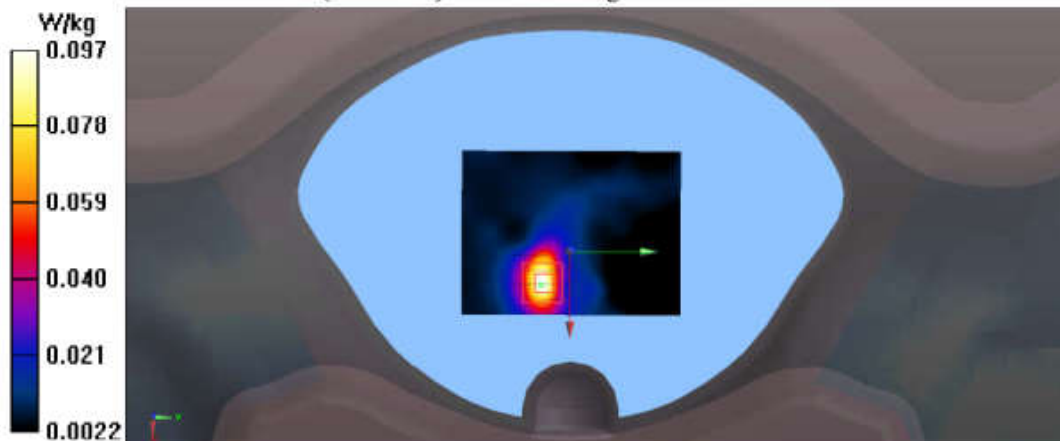
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.749 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.214 W/kg

SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.040 W/kg

Maximum value of SAR (measured) = 0.0968 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40290+40410(2565MHz Bottom)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.167$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40290+40410(2565MHz Bottom)/Area Scan (61x81x1):

Interpolated grid: $dx = 1.500$ mm, $dy = 1.500$ mm

Maximum value of SAR (interpolated) = 0.143 W/kg

Configuration/CH40290+40410(2565MHz Bottom)/Zoom Scan (5x5x7)/Cube

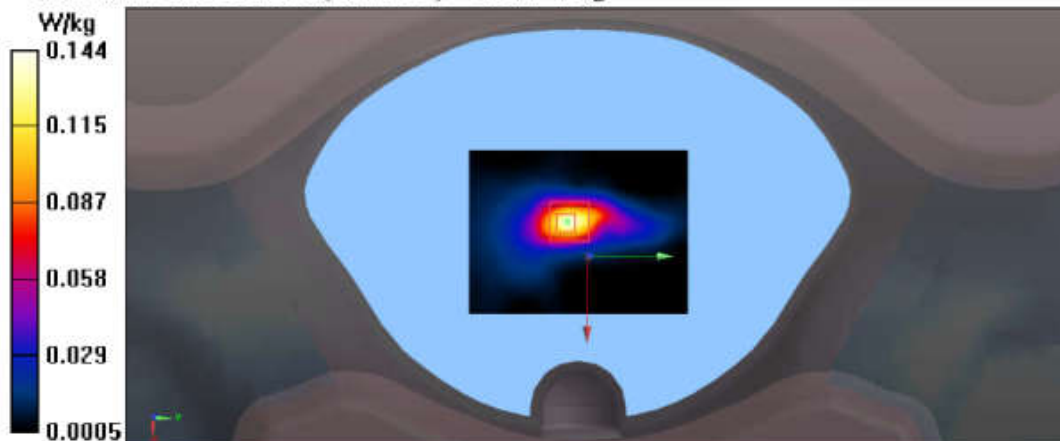
0: Measurement grid: $dx = 8$ mm, $dy = 8$ mm, $dz = 5$ mm

Reference Value = 8.057 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.056 W/kg

Maximum value of SAR (measured) = 0.144 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40290+40410(2565MHz Front)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.167$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40290+40410(2565MHz Front)/Area Scan (61x81x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.573 W/kg

Configuration/CH40290+40410(2565MHz Front)/Zoom Scan (5x5x7)/Cube 0:

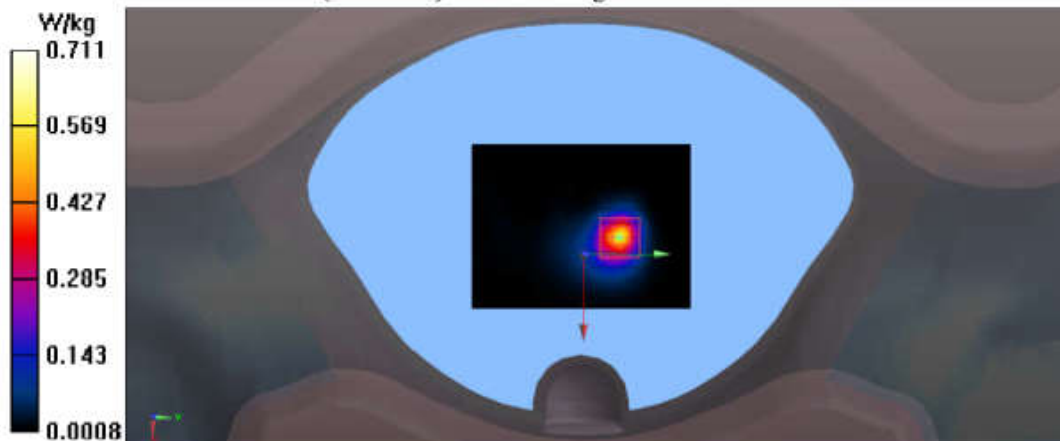
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.668 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.568 W/kg; SAR(10 g) = 0.198 W/kg

Maximum value of SAR (measured) = 0.711 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40290+40410(2565MHz Right)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.167$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40290+40410(2565MHz Right)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.578 W/kg

Configuration/CH40290+40410(2565MHz Right)/Zoom Scan (5x5x7)/Cube 0:

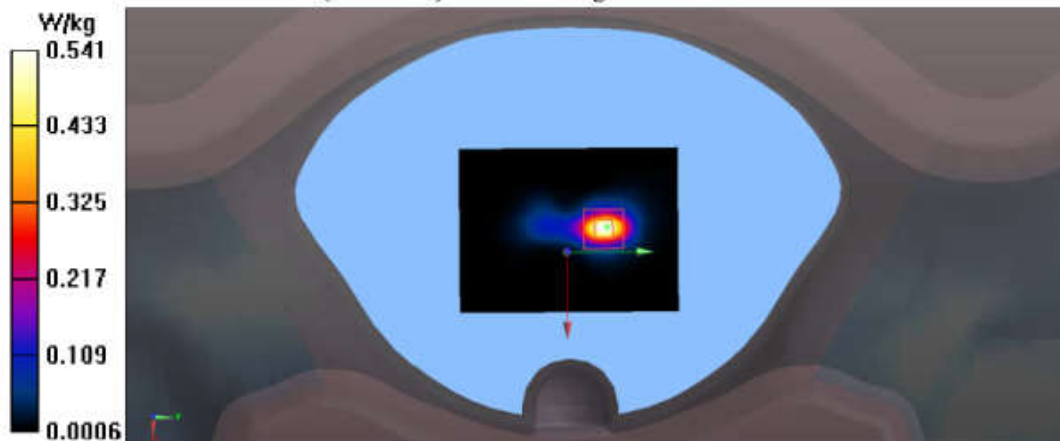
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.468 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.162 W/kg

Maximum value of SAR (measured) = 0.541 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

CH40290+40410(2565MHz Top)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.167$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.37, 7.37, 7.37); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40290+40410(2565MHz Top)/Area Scan (61x81x1):

Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.00795 W/kg

Configuration/CH40290+40410(2565MHz Top)/Zoom Scan (5x5x7)/Cube 0:

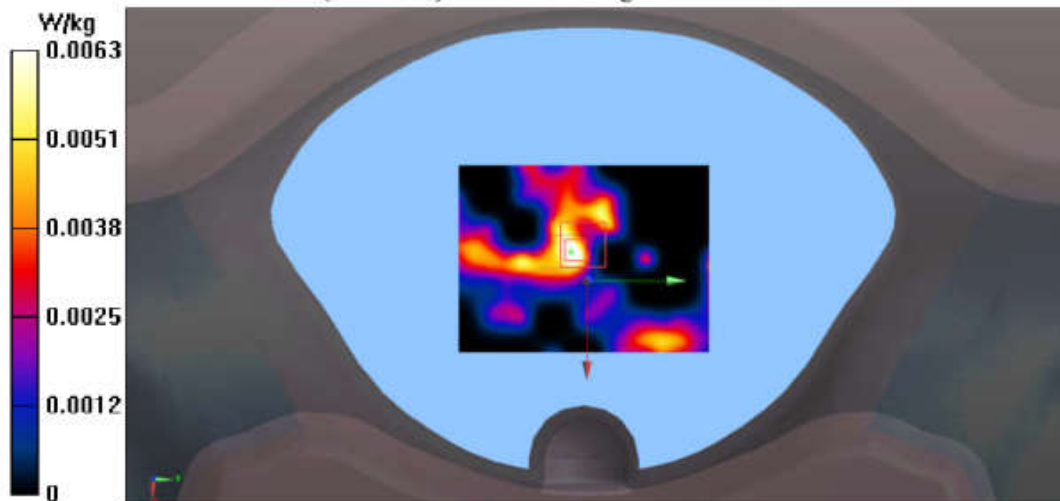
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.710 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0230 W/kg

SAR(1 g) = 0.00624 W/kg; SAR(10 g) = 0.00276 W/kg

Maximum value of SAR (measured) = 0.00639 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Left CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)-Right/Area

Scan (121x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.746 W/kg

Configuration/Head 15 Degree Left CH40290+40410(2565MHz)-Right/Zoom

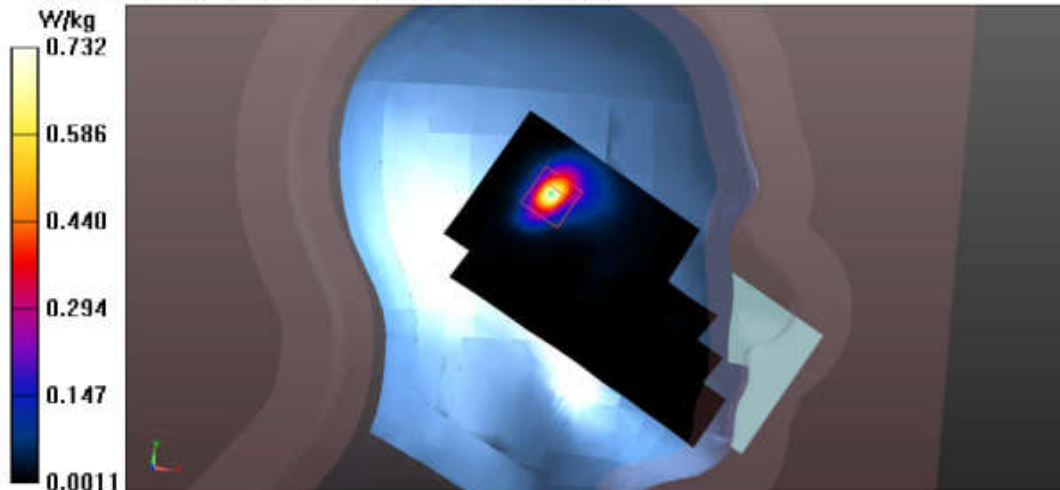
Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.28 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.094 W/kg

Maximum value of SAR (measured) = 0.732 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head 15 Degree Right CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System

PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)-Right/Area

Scan (91x51x1): Interpolated grid: $dx=2.000$ mm, $dy=2.000$ mm

Maximum value of SAR (interpolated) = 0.261 W/kg

Configuration/Head 15 Degree Right CH40290+40410(2565MHz)-

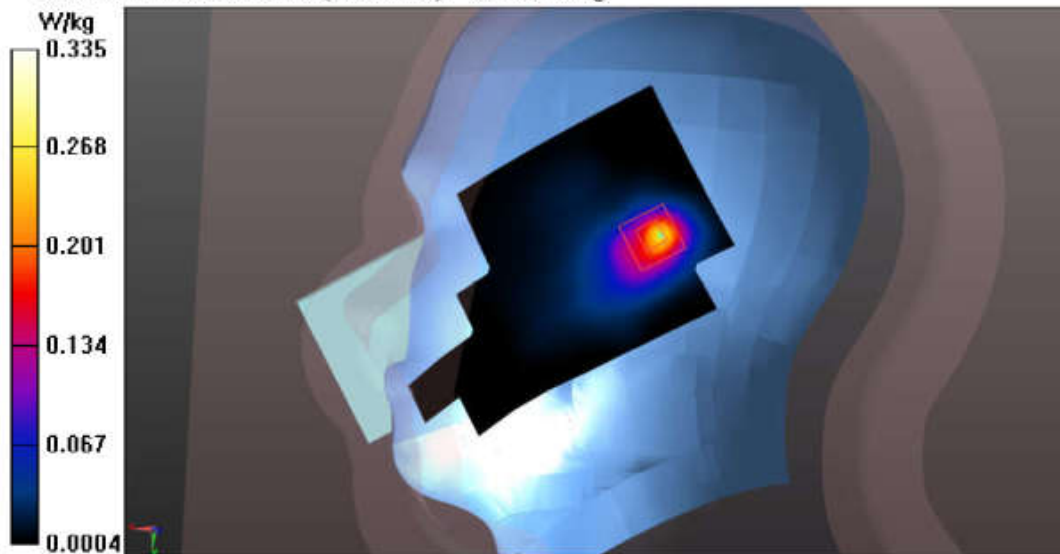
Right/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.12 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.906 W/kg

SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.060 W/kg

Maximum value of SAR (measured) = 0.335 W/kg



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Left CH40290+40410(2605MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Left CH40290+40410(2565MHz)-Right/Area

Scan (121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.336 W/kg

Configuration/Head Touch Left CH40290+40410(2565MHz)-Right/Zoom

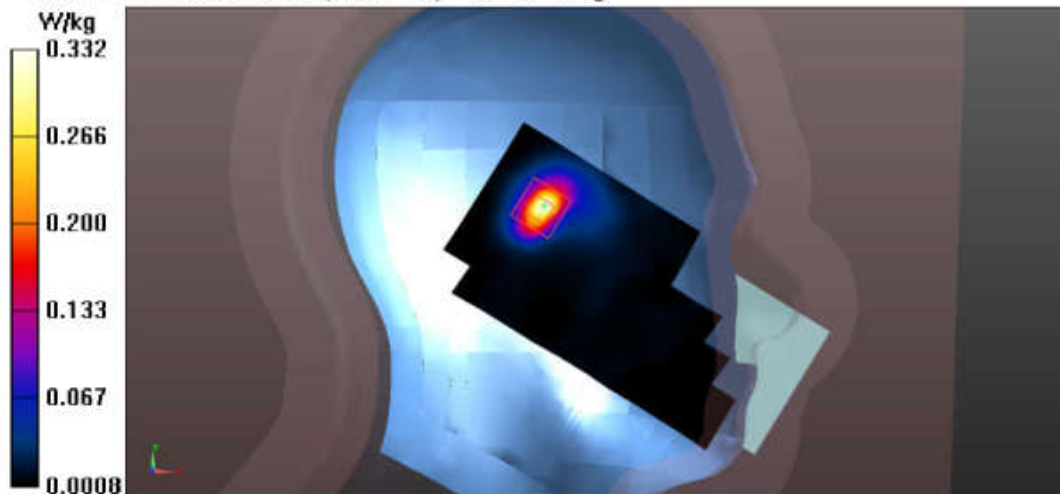
Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.132 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.704 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.109 W/kg

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



Test Laboratory: Audix SAR Lab

Date: 05/09/2019

Head Touch Right CH40290+40410(2565MHz)-Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz); Frequency: 2565 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2565$ MHz; $\sigma = 2.06$ S/m; $\epsilon_r = 38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.25, 7.25, 7.25); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Right CH40290+40410(2565MHz)-Right/Area

Scan (91x51x1): Interpolated grid: dx=2.000 mm, dy=2.000 mm

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

Configuration/Head Touch Right CH40290+40410(2565MHz)-Right/Zoom

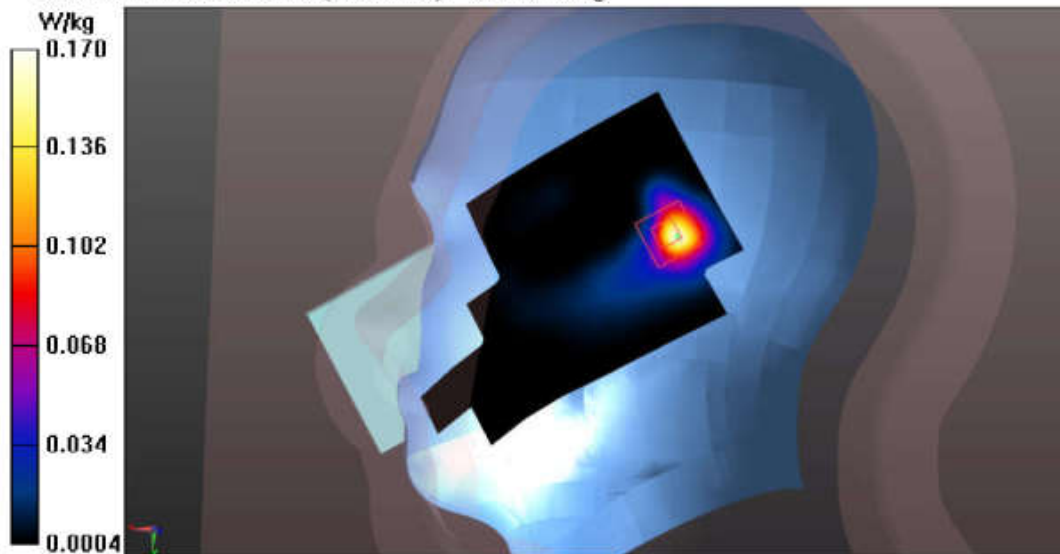
Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.951 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.073 W/kg

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



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

CH132322(1745MHz Back)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66;

Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8, 8, 8); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH132322(1745MHz Back)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0944 W/kg

Configuration/CH132322(1745MHz Back)/Zoom Scan (5x5x7)/Cube 0:

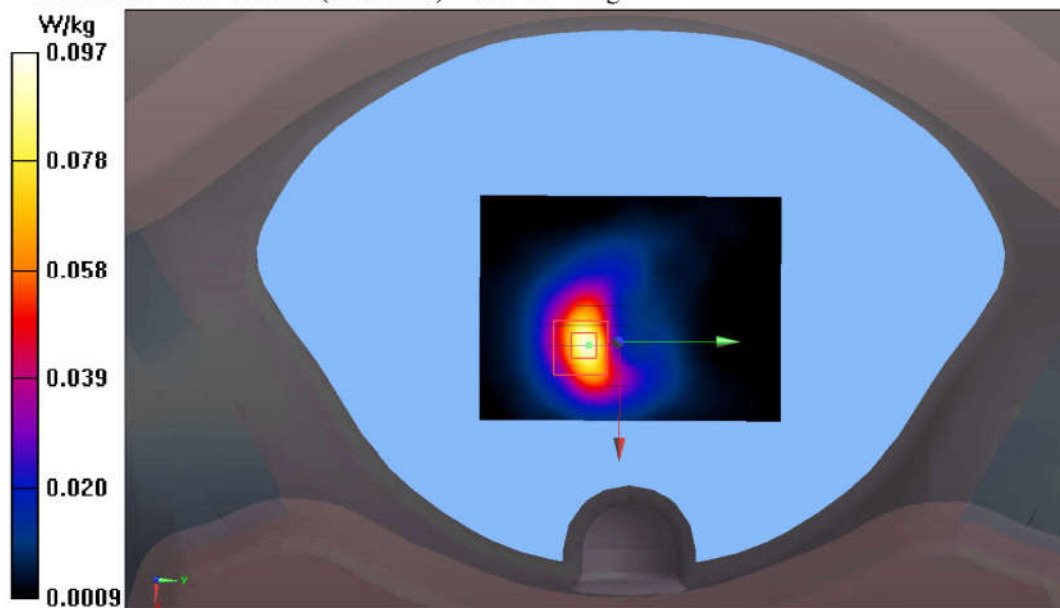
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 3.598 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.155 W/kg

SAR(1 g) = 0.085 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.0968 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

CH132322(1745MHz Bottom)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66;

Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8, 8, 8); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH132322(1745MHz Bottom)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.0327 W/kg

Configuration/CH132322(1745MHz Bottom)/Zoom Scan (5x5x7)/Cube 0:

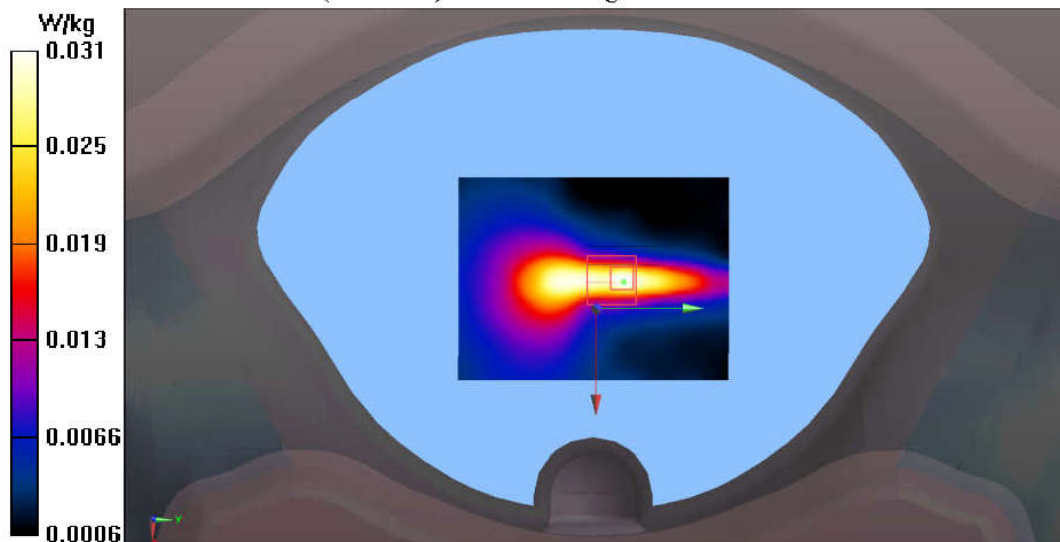
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 4.201 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.0470 W/kg

SAR(1 g) = 0.027 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0310 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

CH132322(1745MHz Front)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66;

Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8, 8, 8); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH132322(1745MHz Front)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.296 W/kg

Configuration/CH132322(1745MHz Front)/Zoom Scan (5x5x7)/Cube 0:

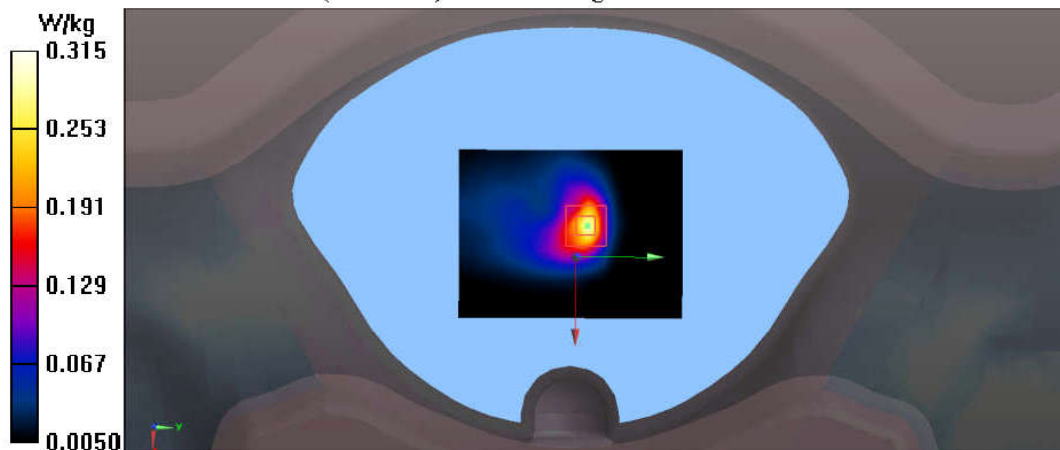
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 10.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.131 W/kg

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



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

CH132322(1745MHz Right)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66;

Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8, 8, 8); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH132322(1745MHz Right)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.501 W/kg

Configuration/CH132322(1745MHz Right)/Zoom Scan (5x5x7)/Cube 0:

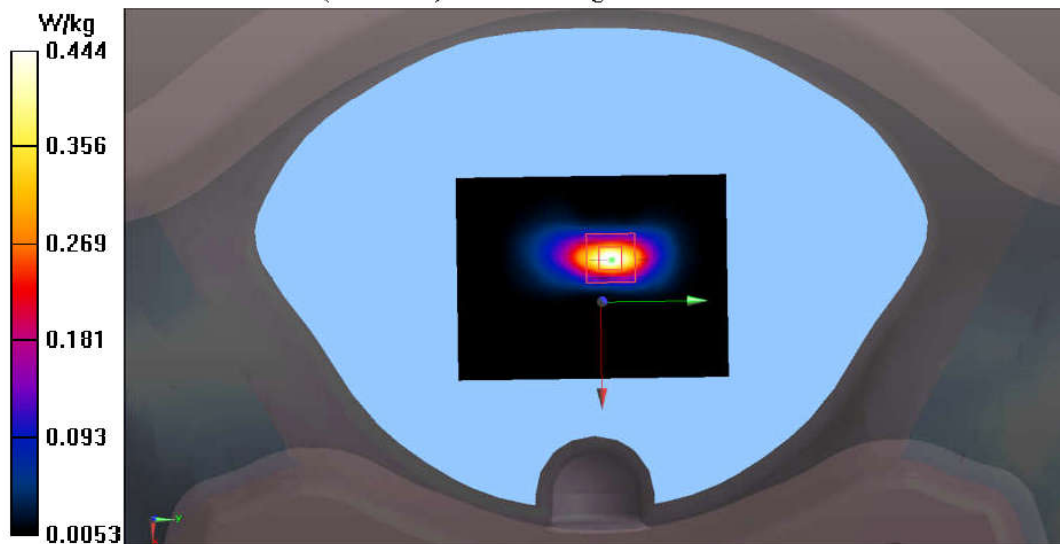
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 15.06 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.767 W/kg

SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.170 W/kg

Maximum value of SAR (measured) = 0.444 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

CH132322(1745MHz Top)

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66;

Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.417$ S/m; $\epsilon_r = 51.578$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8, 8, 8); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH132322(1745MHz Top)/Area Scan (61x81x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.00733 W/kg

Configuration/CH132322(1745MHz Top)/Zoom Scan (5x5x7)/Cube 0:

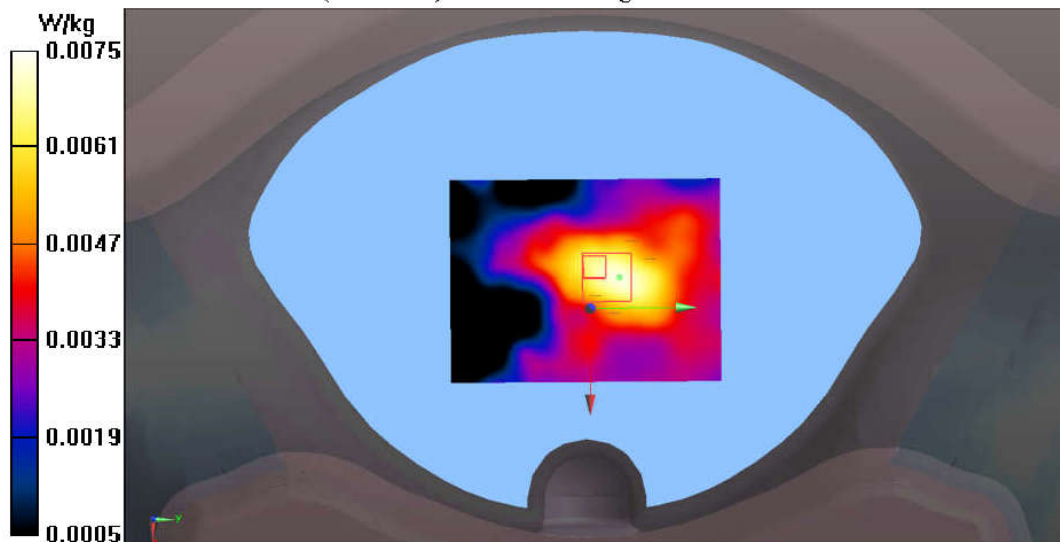
Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 2.128 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.0130 W/kg

SAR(1 g) = 0.00671 W/kg; SAR(10 g) = 0.00439 W/kg

Maximum value of SAR (measured) = 0.00753 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

Head 15 Degree Left CH132322(1745MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8.32, 8.32, 8.32); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Left CH132322(1745MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.220 W/kg

Configuration/Head 15 Degree Left CH132322(1745MHz)/Zoom Scan

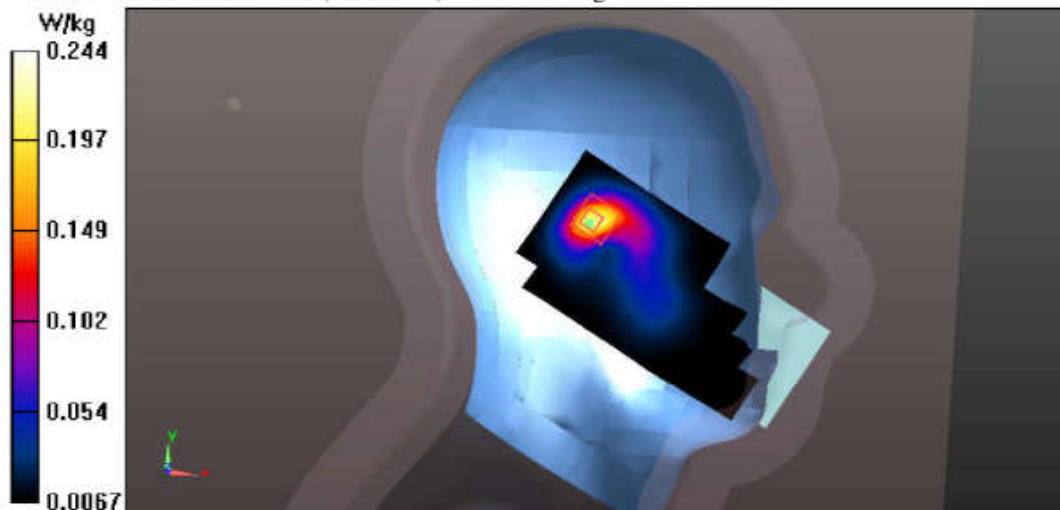
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 8.081 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.377 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.109 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

Head 15 Degree Right CH132322(1745MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8.32, 8.32, 8.32); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head 15 Degree Right CH132322(1745MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

Configuration/Head 15 Degree Right CH132322(1745MHz)/Zoom Scan

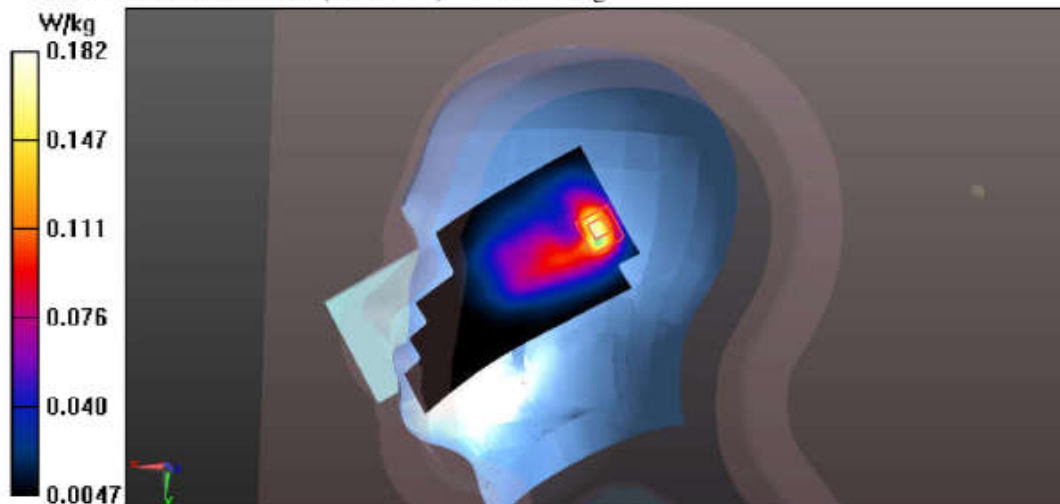
(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.124 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.089 W/kg

Maximum value of SAR (measured) = 0.182 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

Head Touch Left CH132322(1745MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8.32, 8.32, 8.32); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Left CH132322(1745MHz)/Area Scan (121x61x1):

Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.230 W/kg

Configuration/Head Touch Left CH132322(1745MHz)/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.879 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.117 W/kg

Maximum value of SAR (measured) = 0.240 W/kg



Test Laboratory: Audix SAR Lab

Date: 03/09/2019

Head Touch Right CH132322(1745MHz) -Right

EUT: COSMO M/N: COSMO COMMUNICATOR

Communication System: UID 0, Generic LTE (0); Communication System Band: Band 66, E-UTRA/FDD (1710.0 - 1755.0 MHz); Frequency: 1745 MHz; Communication System

PAR: 0 dB

Medium parameters used (interpolated): $f = 1745$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.053$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(8.32, 8.32, 8.32); Calibrated: 25/03/2019;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 19/03/2019
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/Head Touch Right CH132322(1745MHz)/Area Scan

(121x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.183 W/kg

Configuration/Head Touch Right CH132322(1745MHz)/Zoom Scan

(5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 6.167 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.092 W/kg

Maximum value of SAR (measured) = 0.181 W/kg

