

APPENDIX B

Graph Results (WIFI 2.4GHz & WIFI 5GHz)

Test Mode: WIFI 2.4GHz:**Test Laboratory: Audix SAR Lab**

Date: 09/08/2023

CH1(2412MHz Back)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.849$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH1(2412MHz Back)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

Configuration/CH1(2412MHz Back)/Zoom Scan (5x5x7)/Cube 0: Measurement

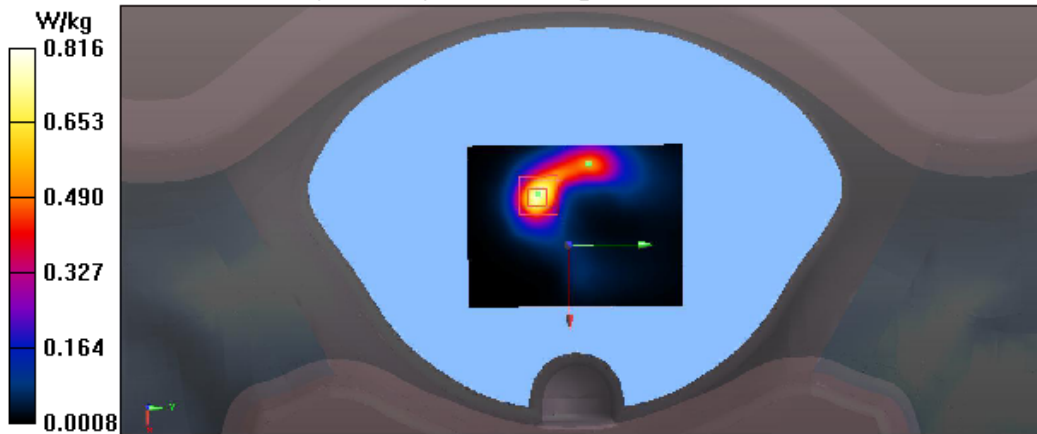
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.698 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.294 W/kg

Maximum value of SAR (measured) = 0.816 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH1(2412MHz Front)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2412 MHz;Communication System PAR: 0 dB

Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.841 \text{ S/m}$; $\epsilon_r = 38.849$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH1(2412MHz Front)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.385 W/kg

Configuration/CH1(2412MHz Front)/Zoom Scan (5x5x7)/Cube 0:

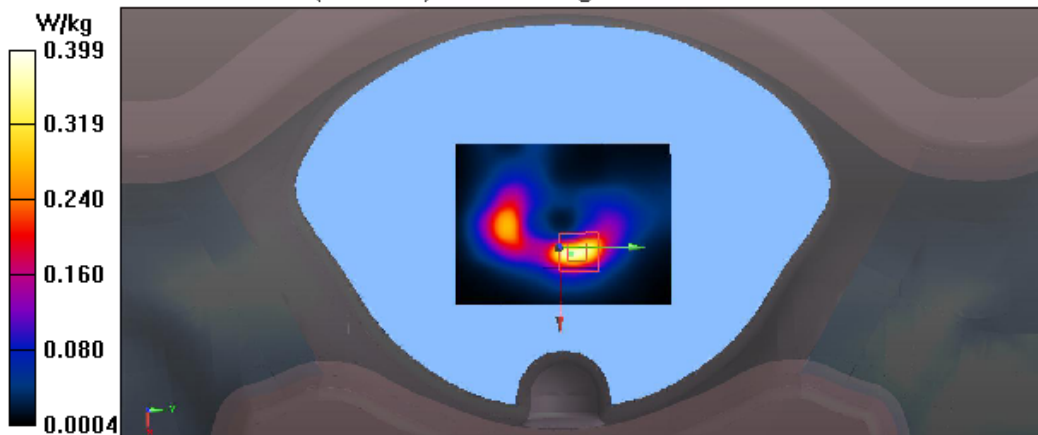
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.291 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.142 W/kg

Maximum value of SAR (measured) = 0.399 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH1(2412MHz Left)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.849$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH1(2412MHz Left)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.773 W/kg

Configuration/CH1(2412MHz Left)/Zoom Scan (5x5x7)/Cube 0: Measurement

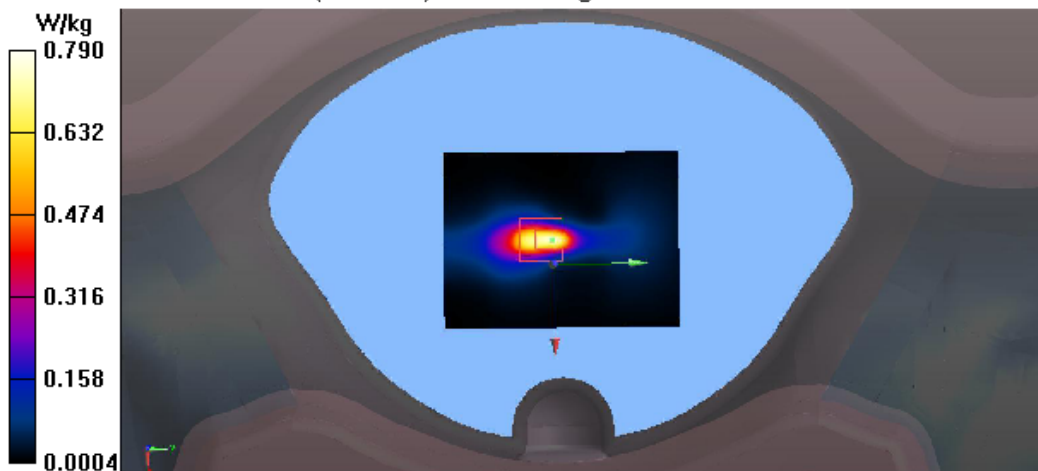
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.11 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 0.303 W/kg; SAR(10 g) = 0.167 W/kg

Maximum value of SAR (measured) = 0.790 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH1(2412MHz Right)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.849$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH1(2412MHz Right)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.00846 W/kg

Configuration/CH1(2412MHz Right)/Zoom Scan (5x5x7)/Cube 0: Measurement

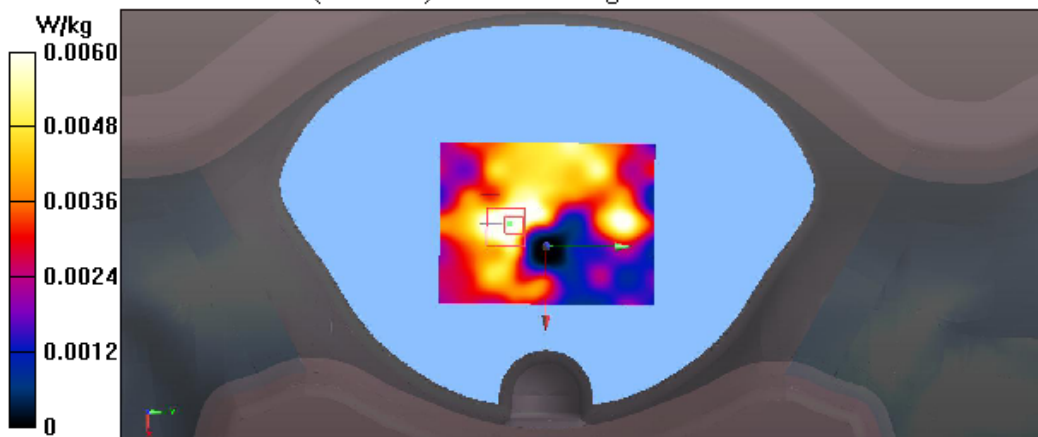
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 1.501 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.0150 W/kg

SAR(1 g) = 0.00544 W/kg; SAR(10 g) = 0.00247 W/kg

Maximum value of SAR (measured) = 0.00604 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH1(2412MHz Top)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.841$ S/m; $\epsilon_r = 38.849$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH1(2412MHz Top)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

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

Configuration/CH1(2412MHz Top)/Zoom Scan (5x5x7)/Cube 0: Measurement

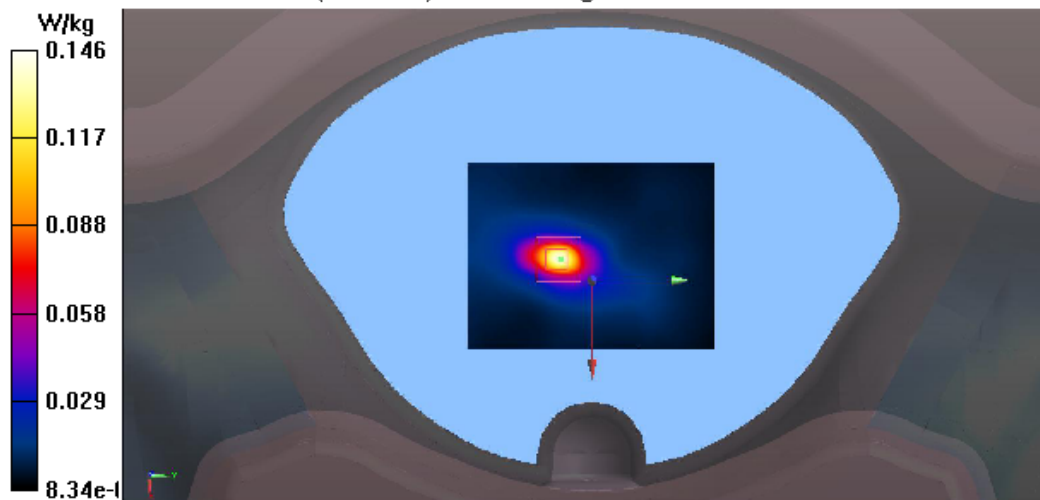
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.757 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.355 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.049 W/kg

Maximum value of SAR (measured) = 0.146 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH6(2437MHz Back)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.873$ S/m; $\epsilon_r = 38.753$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH6(2437MHz Back)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.800 W/kg

Configuration/CH6(2437MHz Back)/Zoom Scan (5x5x7)/Cube 0: Measurement

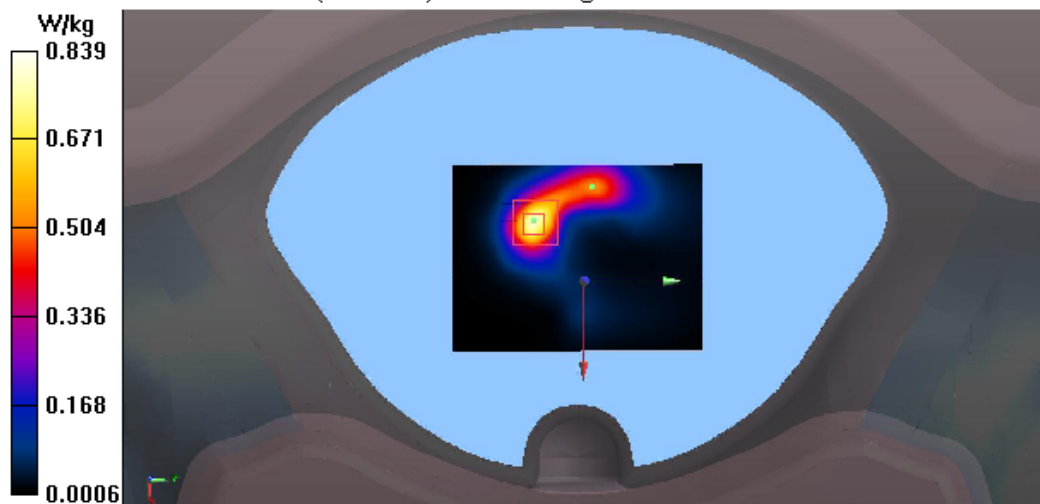
grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.556 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 0.373 W/kg; SAR(10 g) = 0.304 W/kg

Maximum value of SAR (measured) = 0.839 W/kg



Test Laboratory: Audix SAR Lab

Date: 09/08/2023

CH11(2462MHz Back)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) (0);

Communication System Band: ISM 2.4GHz Band (2400.0-2483.5MHz); Frequency: 2462 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.899$ S/m; $\epsilon_r = 38.666$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(7.62, 7.62, 7.62); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH11(2462MHz Back)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.837 W/kg

Configuration/CH11(2462MHz Back)/Zoom Scan (5x5x7)/Cube 0:

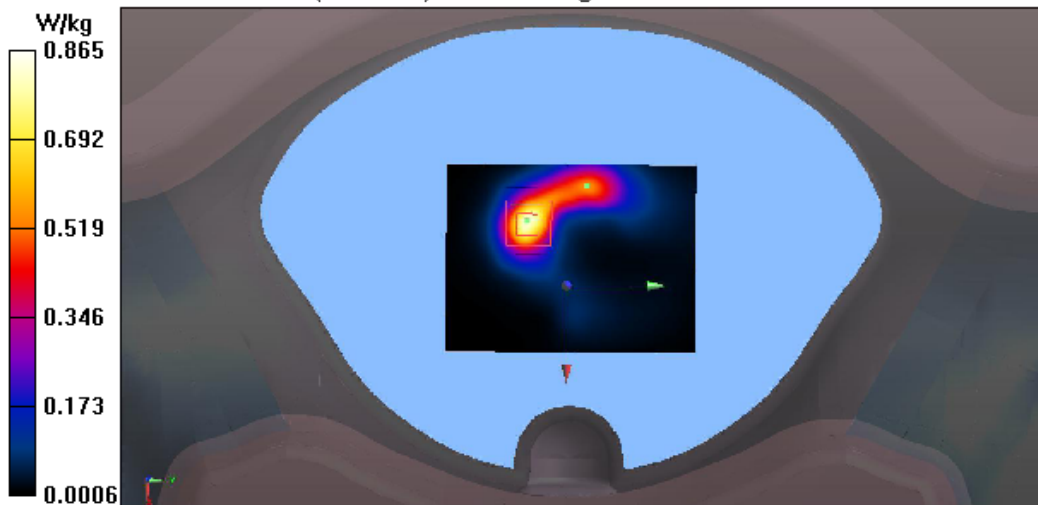
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.639 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.865 W/kg



Test Mode: WIFI 5GHz-Band 1:

Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH36(5180MHz Back)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5180 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.375 \text{ S/m}$; $\epsilon_r = 37.179$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH36(5180MHz Back)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.981 W/kg

Configuration/CH36(5180MHz Back)/Zoom Scan (5x5x7)/Cube 0:

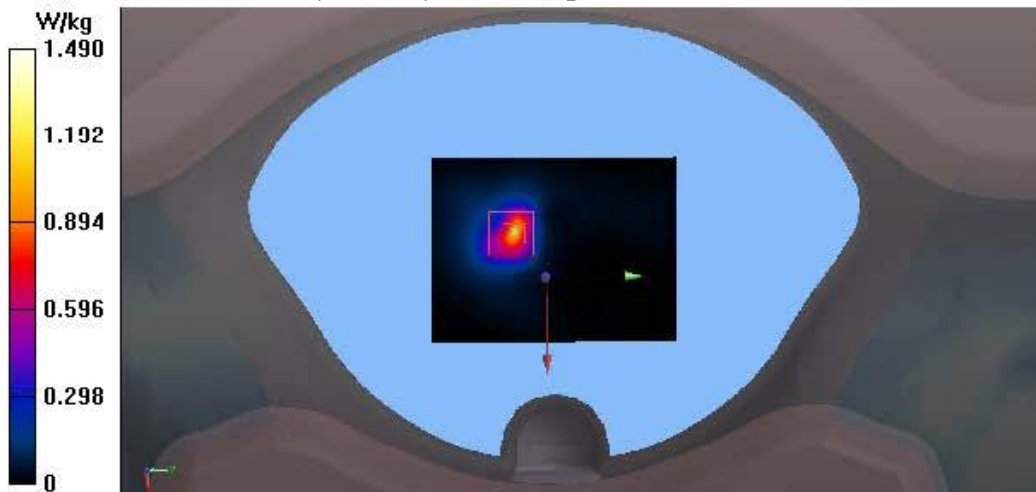
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.470 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.46 W/kg

SAR(1 g) = 0.404 W/kg; SAR(10 g) = 0.311 W/kg

Maximum value of SAR (measured) = 1.49 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH40(5200MHz Back)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5200 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.51 \text{ S/m}$; $\epsilon_r = 35.53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40(5200MHz Back)/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.01 W/kg

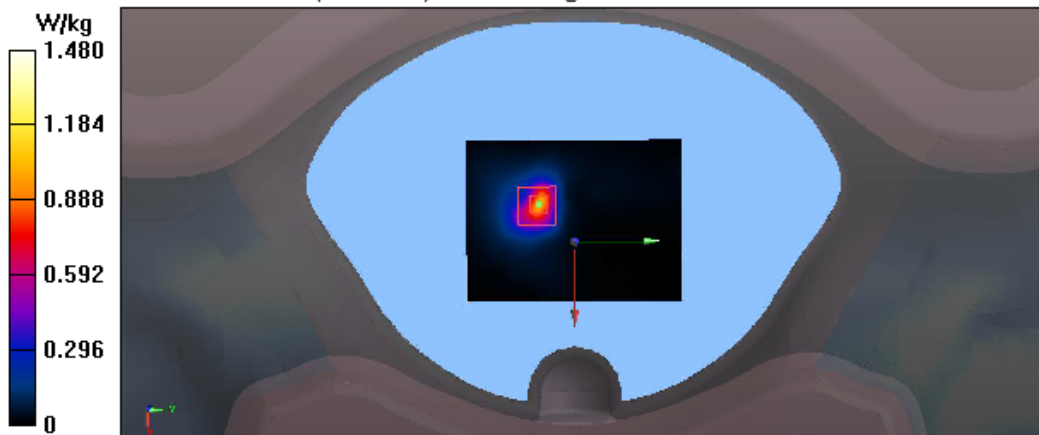
Configuration/CH40(5200MHz Back)/Zoom Scan (5x5x7)/Cube 0:Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 2.856 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 3.43 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.307 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH40(5200MHz Front)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5200 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.51 \text{ S/m}$; $\epsilon_r = 35.53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40(5200MHz Front)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.490 W/kg

Configuration/CH40(5200MHz Front)/Zoom Scan (5x5x7)/Cube 0:

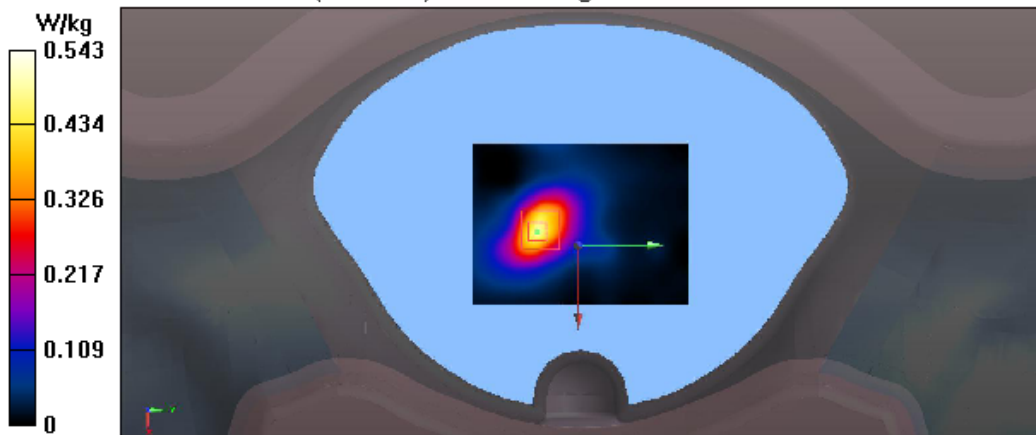
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.746 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.176 W/kg

Maximum value of SAR (measured) = 0.543 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH40(5200MHz Left)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5200 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.51$ S/m; $\epsilon_r = 35.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40(5200MHz Left)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

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

Configuration/CH40(5200MHz Left)/Zoom Scan (5x5x7)/Cube 0: Measurement

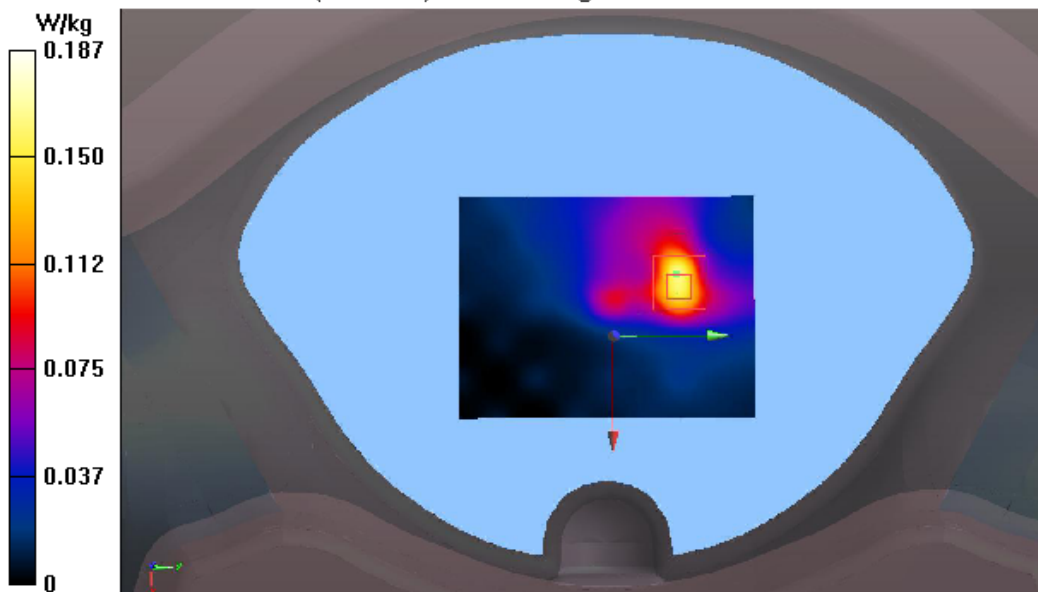
grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.470 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.520 W/kg

SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.062 W/kg

Maximum value of SAR (measured) = 0.187 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH40(5200MHz Right)**DUT:4G Wireless Data Terminal M/N:CAW23A301**

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5200 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5200$ MHz; $\sigma = 4.51$ S/m; $\epsilon_r = 35.53$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40(5200MHz Right)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0248 W/kg

Configuration/CH40(5200MHz Right)/Zoom Scan (5x5x7)/Cube 0:

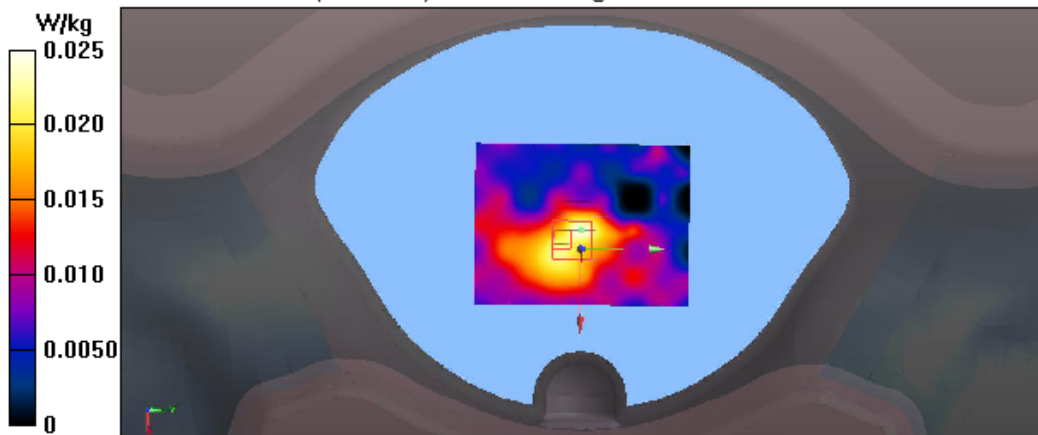
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.982 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0900 W/kg

SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.011 W/kg

Maximum value of SAR (measured) = 0.0251 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH40(5200MHz Top)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5200 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5200 \text{ MHz}$; $\sigma = 4.51 \text{ S/m}$; $\epsilon_r = 35.53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH40(5200MHz Top)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.317 W/kg

Configuration/CH40(5200MHz Top)/Zoom Scan (5x5x7)/Cube 0: Measurement

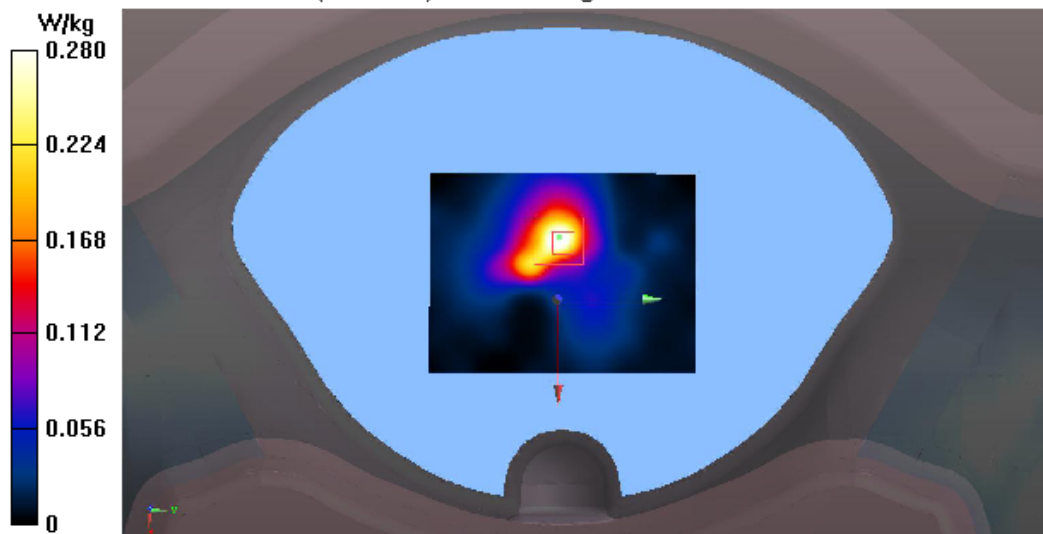
grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.991 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.789 W/kg

SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.100 W/kg

Maximum value of SAR (measured) = 0.280 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH48(5240MHz Back)

DUT:4G Wireless Data Terminal M/N:CAW23A301

Communication System: UID 0, IEEE 802.11a WiFi 5.2GHz (0); Communication System Band: IEEE 802.11a WiFi 5.2GHz; Frequency: 5240 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5240 \text{ MHz}$; $\sigma = 4.235 \text{ S/m}$; $\epsilon_r = 37.130$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(5.55, 5.55, 5.55); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH48(5240MHz Back)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 1.03 W/kg

Configuration/CH48(5240MHz Back)/Zoom Scan (5x5x7)/Cube 0:

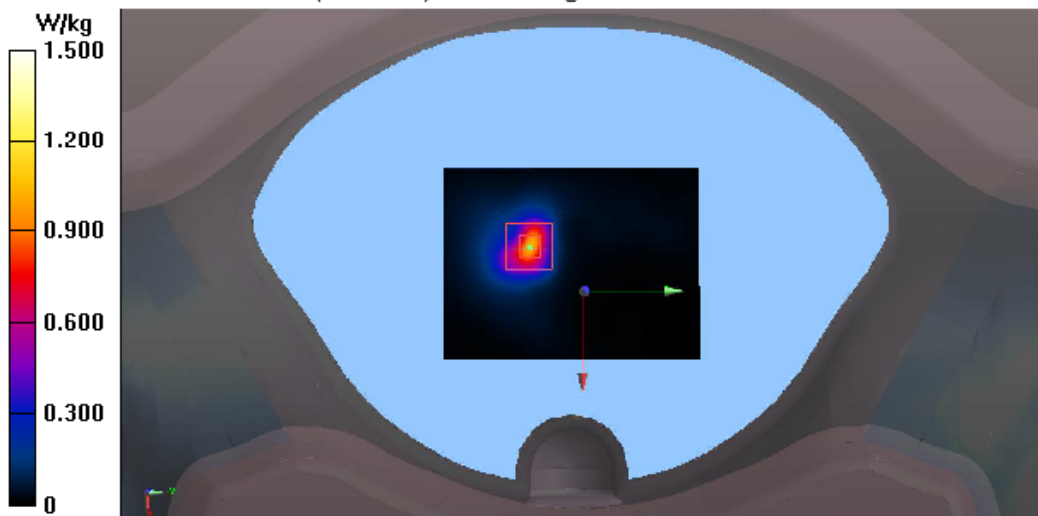
Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 3.070 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.49 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.318 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



Test Mode: WIFI 5GHz- Band 3:**Test Laboratory: Audix SAR Lab**

Date: 07/08/2023

CH149(5745MHz Back)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz ; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5745$ MHz; $\sigma = 5.003$ S/m; $\epsilon_r = 34.933$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH149(5745MHz Back)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.805 W/kg

Configuration/CH149(5745MHz Back)/Zoom Scan (5x5x7)/Cube 0:

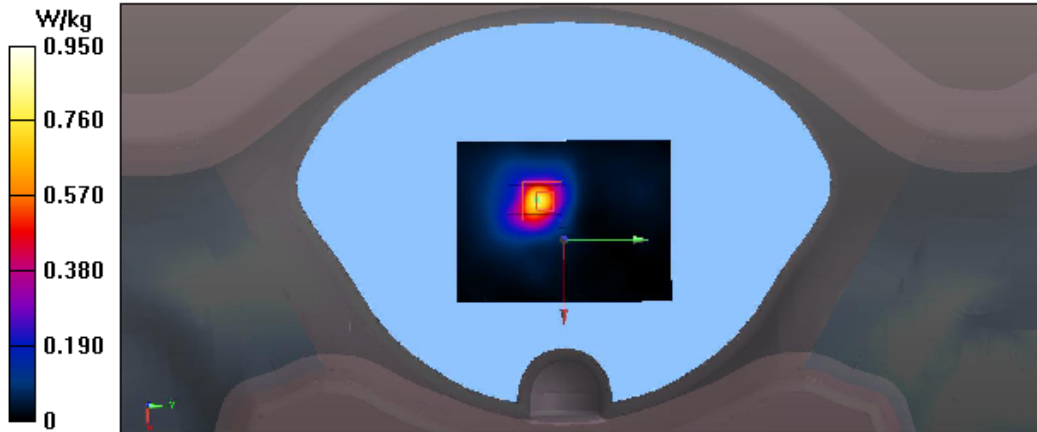
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.673 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 0.370 W/kg; SAR(10 g) = 0.276 W/kg

Maximum value of SAR (measured) = 0.950 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH157(5785MHz Back)

DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxx

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz ; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5785 \text{ MHz}$; $\sigma = 5.125 \text{ S/m}$; $\epsilon_r = 34.861$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH157(5785MHz Back)/Area Scan (61x81x1): Interpolated grid:

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

Maximum value of SAR (interpolated) = 0.822 W/kg

Configuration/CH157(5785MHz Back)/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 6.718 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.221 W/kg

Maximum value of SAR (measured) = 0.968 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH165(5825MHz Back)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.101 \text{ S/m}$; $\epsilon_r = 34.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH165(5825MHz Back)/Area Scan (61x81x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.850 W/kg

Configuration/CH165(5825MHz Back)/Zoom Scan (5x5x7)/Cube 0:Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.100 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 0.856 W/kg; SAR(10 g) = 0.285 W/kg

Maximum value of SAR (measured) = 0.980 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH165(5825MHz Front)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.101$ S/m; $\epsilon_r = 34.88$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH165(5825MHz Front)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.453 W/kg

Configuration/CH165(5825MHz Front)/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 5.501 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.324 W/kg; SAR(10 g) = 0.165 W/kg

Maximum value of SAR (measured) = 0.460 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH165(5825MHz Left)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.101 \text{ S/m}$; $\epsilon_r = 34.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH165(5825MHz Left)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.253 W/kg

Configuration/CH165(5825MHz Left)/Zoom Scan (5x5x7)/Cube 0:

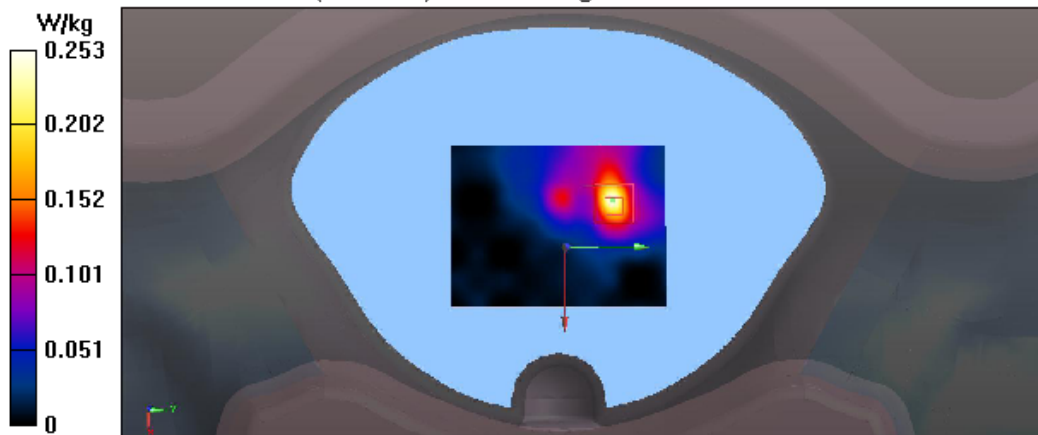
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.001 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.087 W/kg

Maximum value of SAR (measured) = 0.253 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH165(5825MHz Right)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.101 \text{ S/m}$; $\epsilon_r = 34.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH165(5825MHz Right)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0328 W/kg

Configuration/CH165(5825MHz Right)/Zoom Scan (5x5x7)/Cube 0:

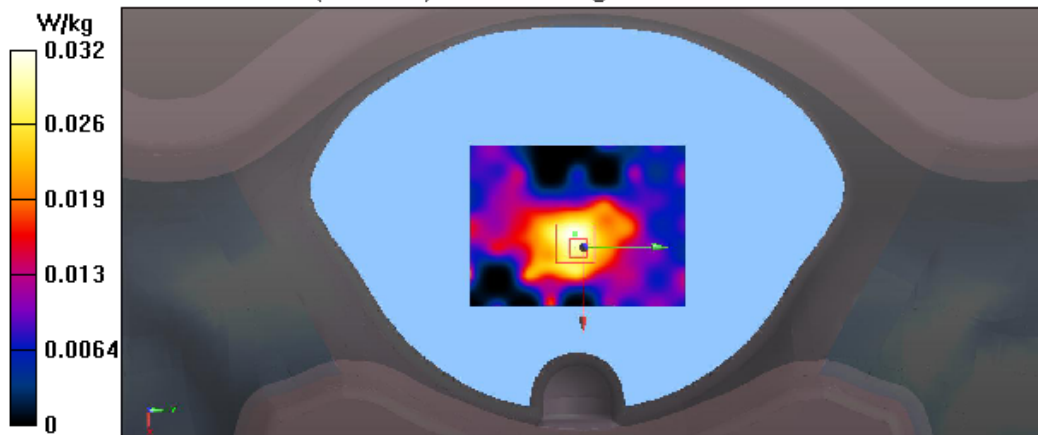
Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.195 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.016 W/kg

Maximum value of SAR (measured) = 0.0322 W/kg



Test Laboratory: Audix SAR Lab

Date: 07/08/2023

CH165(5825MHz Top)**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:xxx**

Communication System: UID 0, IEEE 802.11n20 WiFi 5.8GHz (0); Communication System Band: IEEE 802.11n20 WiFi 5.8GHz; Frequency: 5825 MHz; Communication System PAR: 0 dB

Medium parameters used: $f = 5825 \text{ MHz}$; $\sigma = 5.101 \text{ S/m}$; $\epsilon_r = 34.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3767; ConvF(4.92, 4.92, 4.92); Calibrated: 12/06/2023;
- Modulation Compensation:
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn899; Calibrated: 17/05/2023
- Phantom: SAM1; Type: SAM; Serial: TP-1543
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Configuration/CH165(5825MHz Top)/Area Scan (61x81x1): Interpolated grid:

dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.399 W/kg

Configuration/CH165(5825MHz Top)/Zoom Scan (5x5x7)/Cube 0:

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

Reference Value = 7.173 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 0.275 W/kg; SAR(10 g) = 0.143 W/kg

Maximum value of SAR (measured) = 0.375 W/kg

