

ANNEX A – TEST PLOTS

System check	750MHz
<p>Communication System: UID 0, CW (0) Frequency: 750 MHz; Duty cycle:1:1 Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 41.352$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(9.63, 9.63, 9.63) @ 750MHz; Calibrated: 10/30/2020 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 9/30/2020 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450) <p>System Performance Check at Frequencies 750MHz/d=15mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 2.16 W/kg</p> <p>System Performance Check at Frequencies 750MHz/d=15mm, Pin=250 mW, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 41.00 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 3.26 W/kg SAR(1 g) = 2.11 W/kg; SAR(10 g) = 1.45 W/kg Maximum value of SAR (measured) = 2.49 W/kg</p> <div data-bbox="379 1308 1219 1839" data-label="Figure"> </div>	

System check	835MHz
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Communication System: UID 0, CW (0); Frequency: 835 MHz
 Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 40.266$ $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(9.48, 9.48, 9.48) @ 835 MHz; Calibrated: 10/30/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 9/30/2020
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Configuration 835/835/Area Scan (8x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.72 W/kg

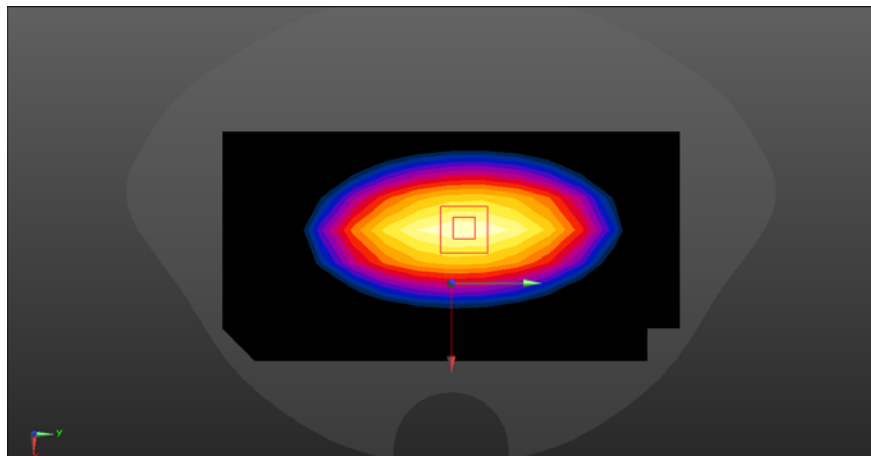
Configuration 835/835/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

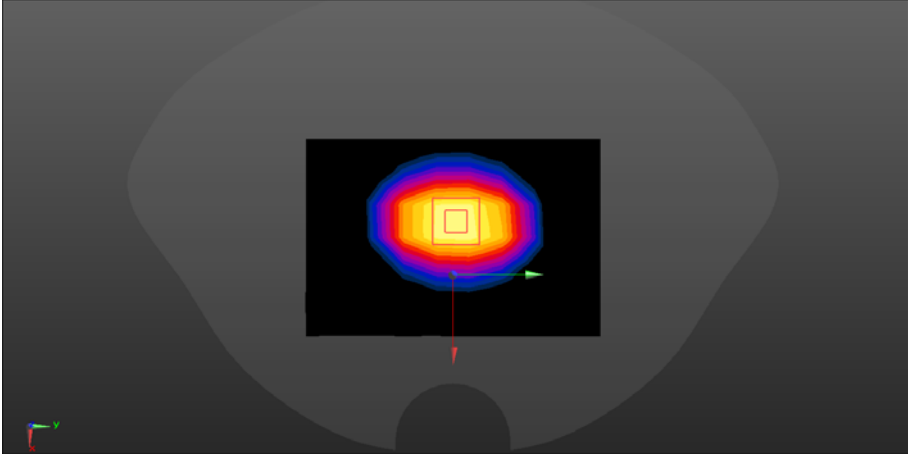
Reference Value = 51.67 V/m; Power Drift = 0.08 dB

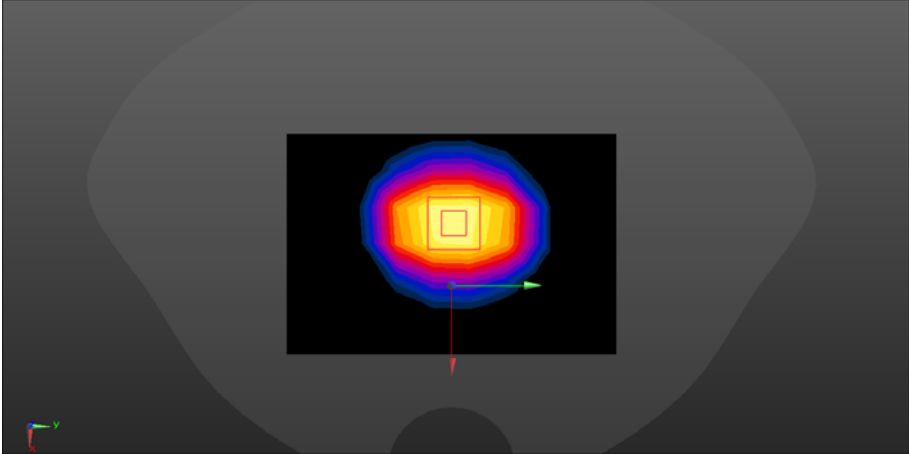
Peak SAR (extrapolated) = 3.58 W/kg

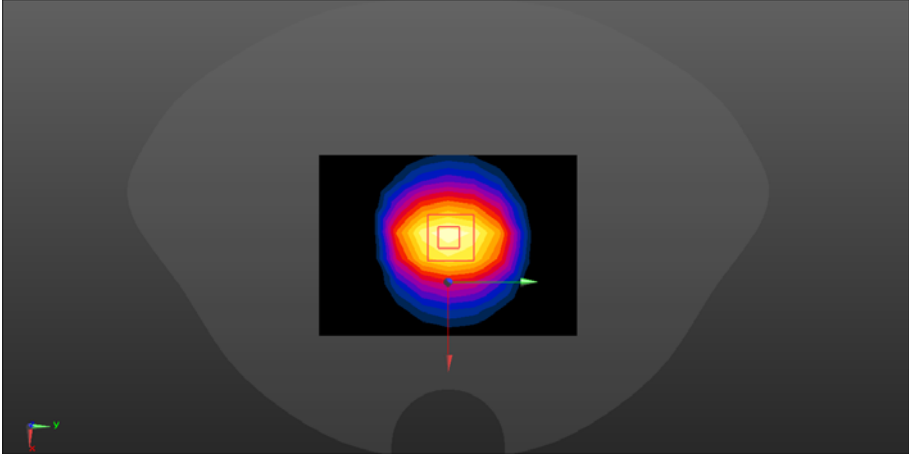
SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.51 W/kg

Maximum value of SAR (measured) = 2.75 W/kg



System check	1800MHz
<p>Communication System: UID 0, CW (0); Frequency: 1800 MHz; Duty cycle:1:1 Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.418 \text{ S/m}$; $\epsilon_r = 40.688$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(8.41, 8.41, 8.41) @ 1800 MHz; Calibrated: 10/30/2020 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 9/30/2020 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450) <p>Configuration 1800/1800/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 8.31 W/kg</p> <p>Configuration 1800/1800/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 76.60 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 17.5 W/kg SAR(1 g) = 9.49 W/kg; SAR(10 g) = 4.97 W/kg Maximum value of SAR (measured) = 12.1 W/kg</p> 	

System check	2000MHz
<p>Communication System: UID 0, CW (0); Frequency: 2000 MHz; Duty cycle:1:1 Medium parameters used: $f = 2000 \text{ MHz}$; $\sigma = 1.427 \text{ S/m}$; $\epsilon_r = 39.844$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(8.09, 8.09, 8.09) @ 2000 MHz; Calibrated: 10/30/2020 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 9/30/2020 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450) <p>Configuration 2000/2000/Area Scan (7x10x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 8.40 W/kg</p> <p>Configuration 2000/2000/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm</p> <p>Reference Value = 76.22 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 18.7 W/kg SAR(1 g) = 9.76 W/kg; SAR(10 g) = 4.96 W/kg Maximum value of SAR (measured) = 12.9 W/kg</p> 	

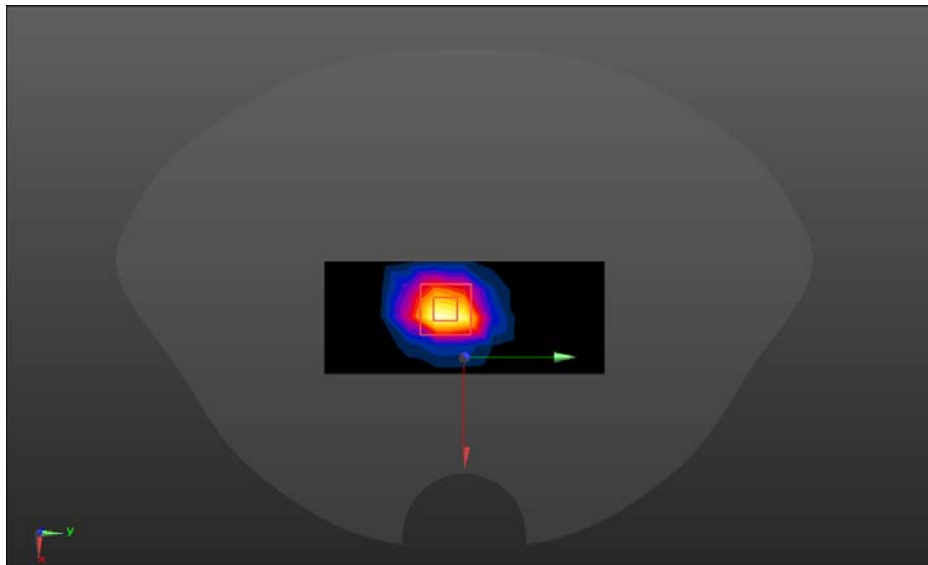
System check	2450MHz
<p>Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty cycle:1:1 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.866$ S/m; $\epsilon_r = 38.343$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(7.5, 7.5, 7.5) @ 2450 MHz; Calibrated: 10/30/2020 Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 9/30/2020 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450) <p>System Performance Check at Frequencies 2450 MHz/2450/Area Scan (8x11x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 21.2 W/kg</p> <p>System Performance Check at Frequencies 2450 MHz/2450/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 108.3 V/m; Power Drift = 0.19 dB Peak SAR (extrapolated) = 28.2 W/kg SAR(1 g) = 12.5 W/kg; SAR(10 g) = 6.14 W/kg Maximum value of SAR (measured) = 22.6 W/kg</p> 	

System check	2600MHz
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Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1
 Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.951 \text{ S/m}$; $\epsilon_r = 39.672$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(7.37, 7.37, 7.37) @ 2600 MHz; Calibrated: 10/30/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 9/30/2020
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)
- **SYSTEM CHECK 2600/Area Scan (5x11x1)**: Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 22.7 W/kg
SYSTEM CHECK 2600/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 102.2 V/m; Power Drift = 0.11 dB
 Peak SAR (extrapolated) = 33.7 W/kg
SAR(1 g) = 13.8 W/kg; SAR(10 g) = 6.52 W/kg
 Maximum value of SAR (measured) = 26.6 W/kg



System check	5200MHz
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Communication System: UID 0, CW (0); Frequency: 5200 MHz;Duty Cycle: 1:1
 Medium parameters used: f = 5200 MHz; $\sigma = 4.72$ S/m; $\epsilon_r = 36.811$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN3708; ConvF(5.63, 5.63, 5.63) @ 5200 MHz; Calibrated: 10/30/2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), Sensor-Surface:1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 9/30/2020
- Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

Configuration 4/SYSTEM CHECK 5200MHz/Area Scan (6x7x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.85 W/kg

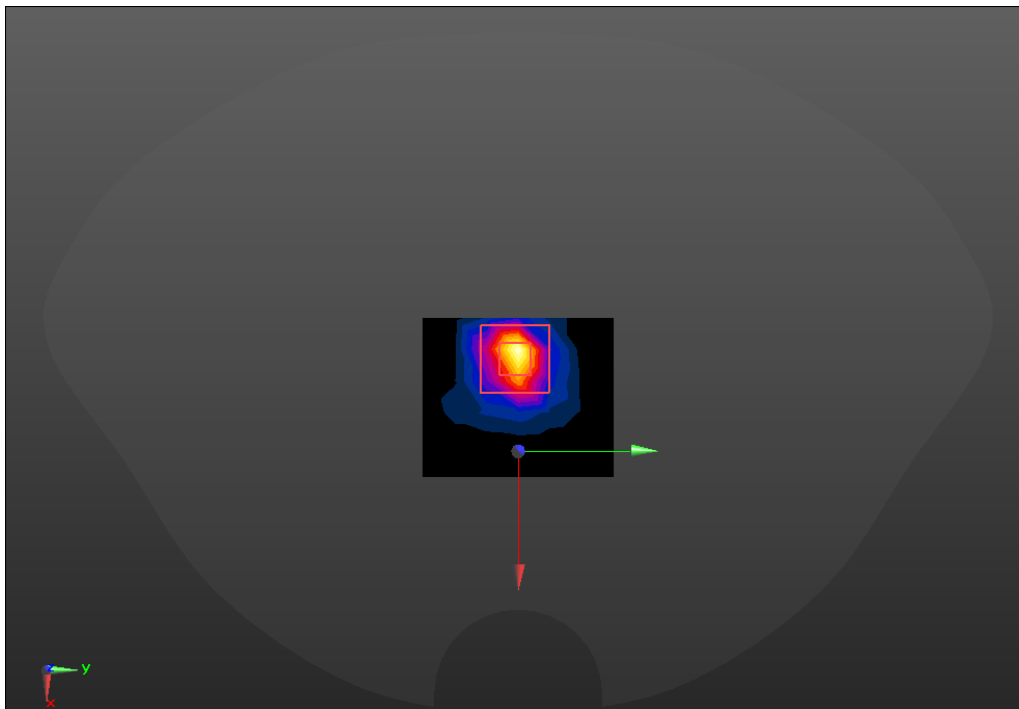
Configuration 4/SYSTEM CHECK 5200MHz/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

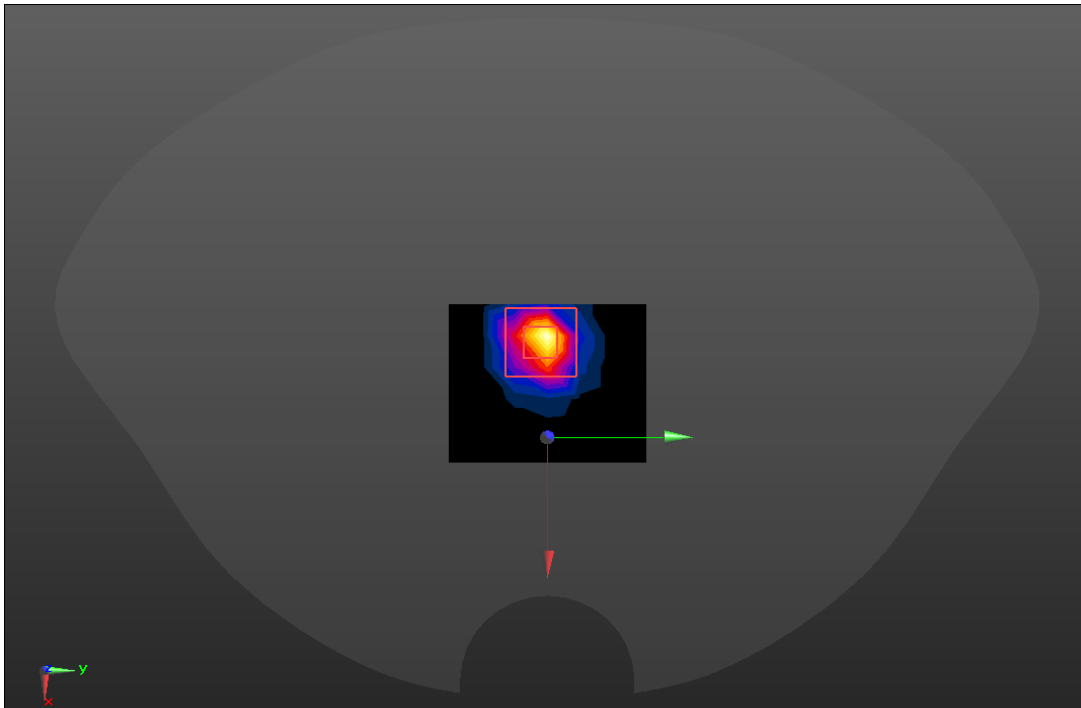
Reference Value = 11.17 V/m; Power Drift = 0.02 dB

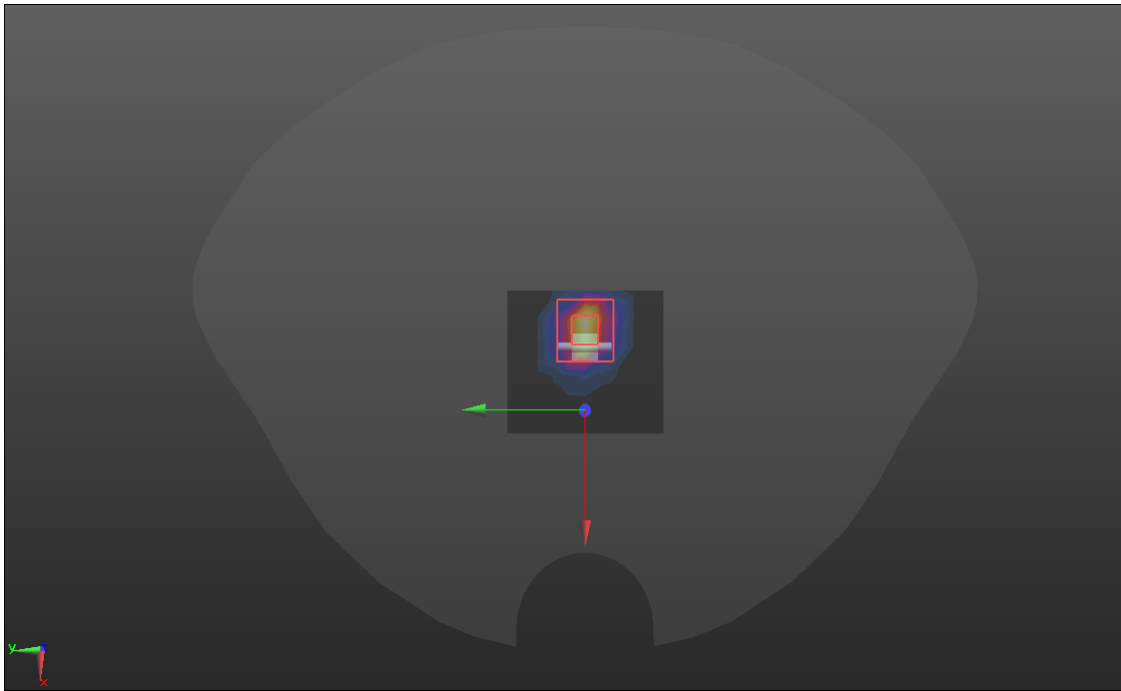
Peak SAR (extrapolated) = 3.42 W/kg

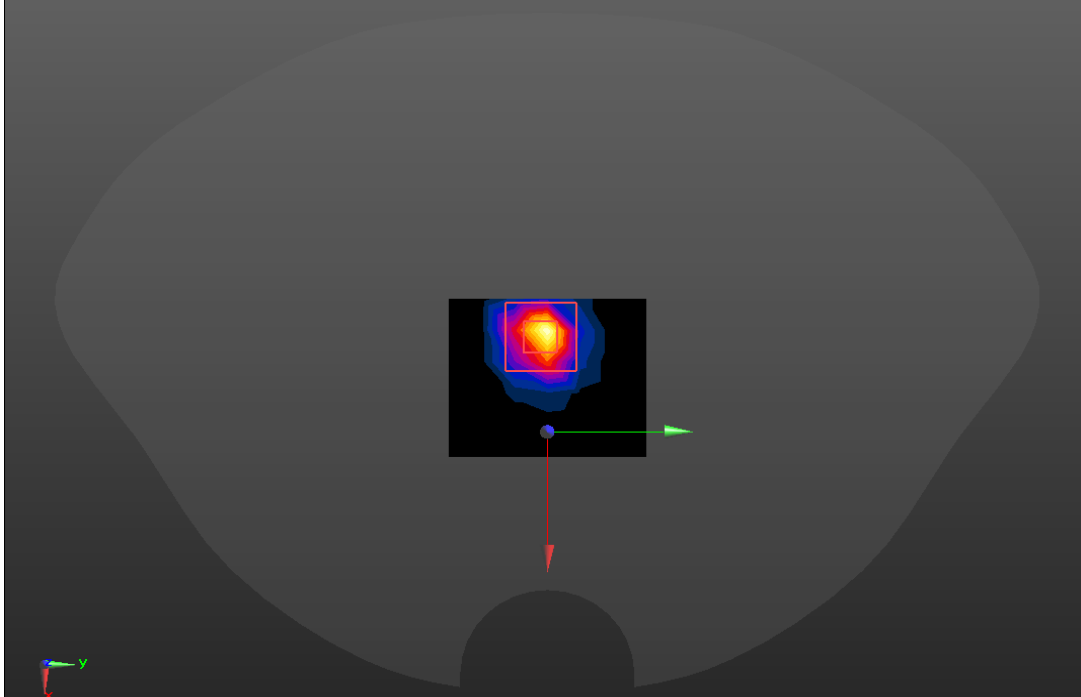
SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.234 W/kg

Maximum value of SAR (measured) = 2.16 W/kg

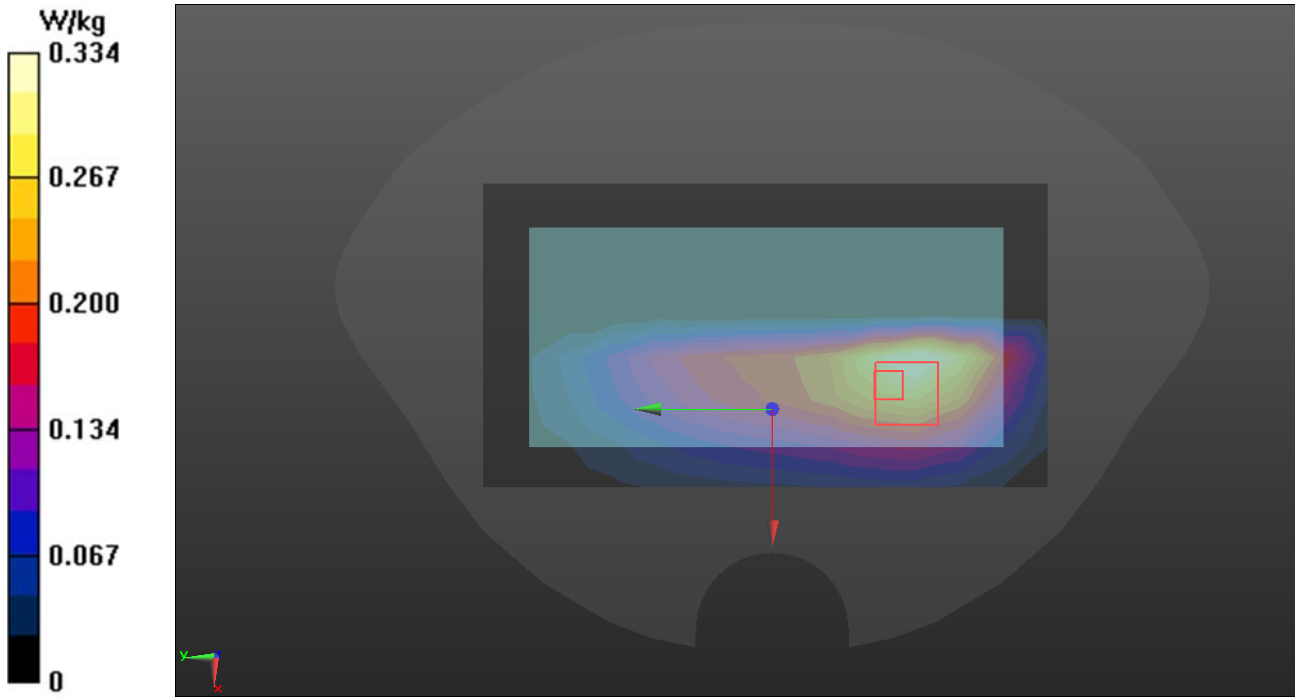


System check	5300MHz
<p>Communication System: UID 0, CW (0); Frequency: 5300 MHz;Duty Cycle: 1:1 Medium parameters used: $f = 5300 \text{ MHz}$; $\sigma = 4.65 \text{ S/m}$; $\epsilon_r = 35.42$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(5.46, 5.46, 5.46); @ 5300 MHz Calibrated: 10/30/2020 Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 9/30/2020 Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>Configuration 4/SYSTEM CHECK 5300MHz/Area Scan (6x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.77 W/kg</p> <p>Configuration 4/SYSTEM CHECK 5300MHz/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 10.42 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 3.85 W/kg SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.244 W/kg Maximum value of SAR (measured) = 2.19 W/kg</p> 	

System check	5600MHz
<p>Communication System: UID 0, CW (0); Frequency: 5600 MHz;Duty Cycle: 1:1 Medium parameters used: $f = 5600 \text{ MHz}$; $\sigma = 5.2 \text{ S/m}$; $\epsilon_r = 36.18$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: EX3DV4 - SN3708; ConvF(5.05, 5.05, 5.05) @ 5600 MHz; Calibrated: 10/30/2020 • Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used) Sensor-Surface: 1.4mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2019/10/2 • Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.12 (7450) <p>Configuration 4/SYSTEM CHECK 5600MHz /Area Scan (6x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.71 W/kg</p> <p>Configuration 4/SYSTEM CHECK 5600MHz /Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 12.13 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 3.87 W/kg SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.246 W/kg Maximum value of SAR (measured) = 2.34 W/kg</p> 	

System check	5800MHz
<p>Communication System: UID 0, CW (0); Frequency: 5800 MHz;Duty Cycle: 1:1 Medium parameters used: f = 5800 MHz; $\sigma = 5.15$ S/m; $\epsilon_r = 36.42$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(5.17, 5.17, 5.17); @ 5800 MHz Calibrated: 2019/9/26; Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 2019/10/2 Phantom: 1660; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>Configuration 4/SYSTEM CHECK 5800MHz/Area Scan (6x7x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 1.77 W/kg</p> <p>Configuration 4/SYSTEM CHECK 5800MHz/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm Reference Value = 10.42 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 3.85 W/kg SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.244 W/kg Maximum value of SAR (measured) = 2.19 W/kg</p> 	

GSM 850

Hotspot	Back
<p>Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.528$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>BACK/GSM 850/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.357 W/kg</p> <p>BACK/GSM 850/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 14.57 V/m; Power Drift = 0.10 dB Peak SAR (extrapolated) = 0.975 W/kg SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.179 W/kg Maximum value of SAR (measured) = 0.334 W/kg</p> 	

GSM1900

Hotspot	Bottom
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Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042
 Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/9/1;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2020/9/30
- Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

bottom/GSM 1900/Area Scan (4x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.655 W/kg

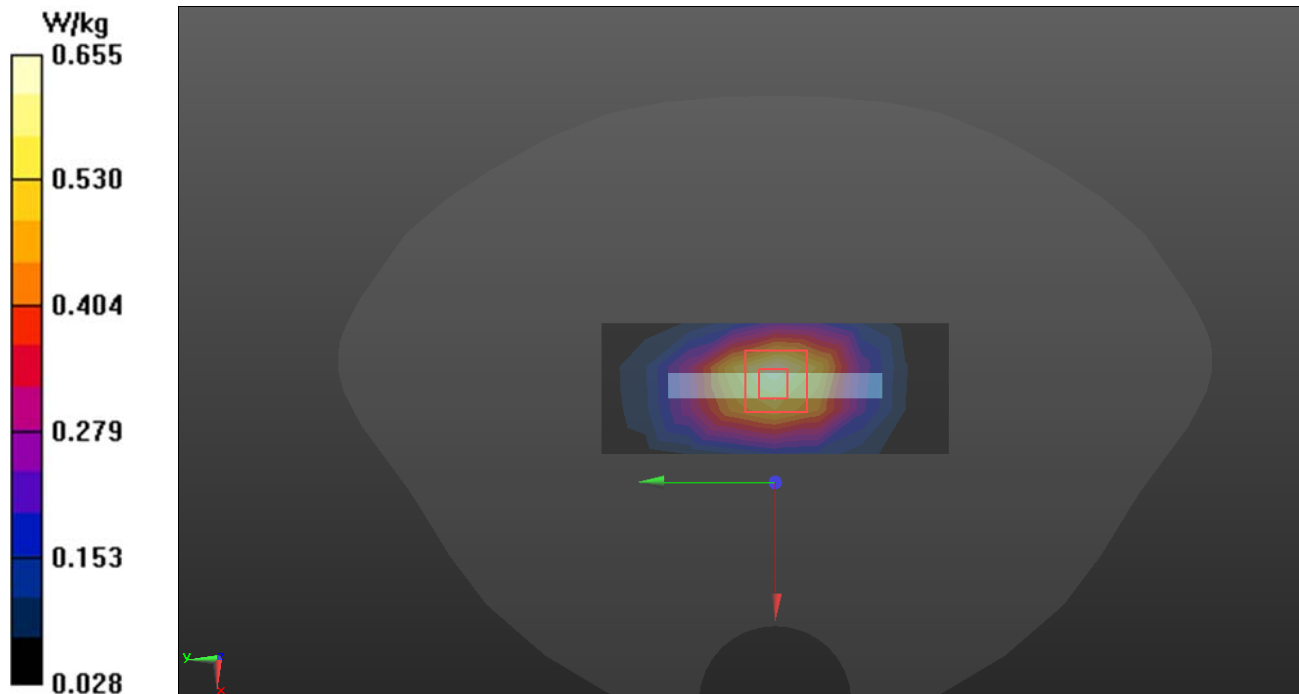
bottom/GSM 1900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.33 V/m; Power Drift = -0.13 dB

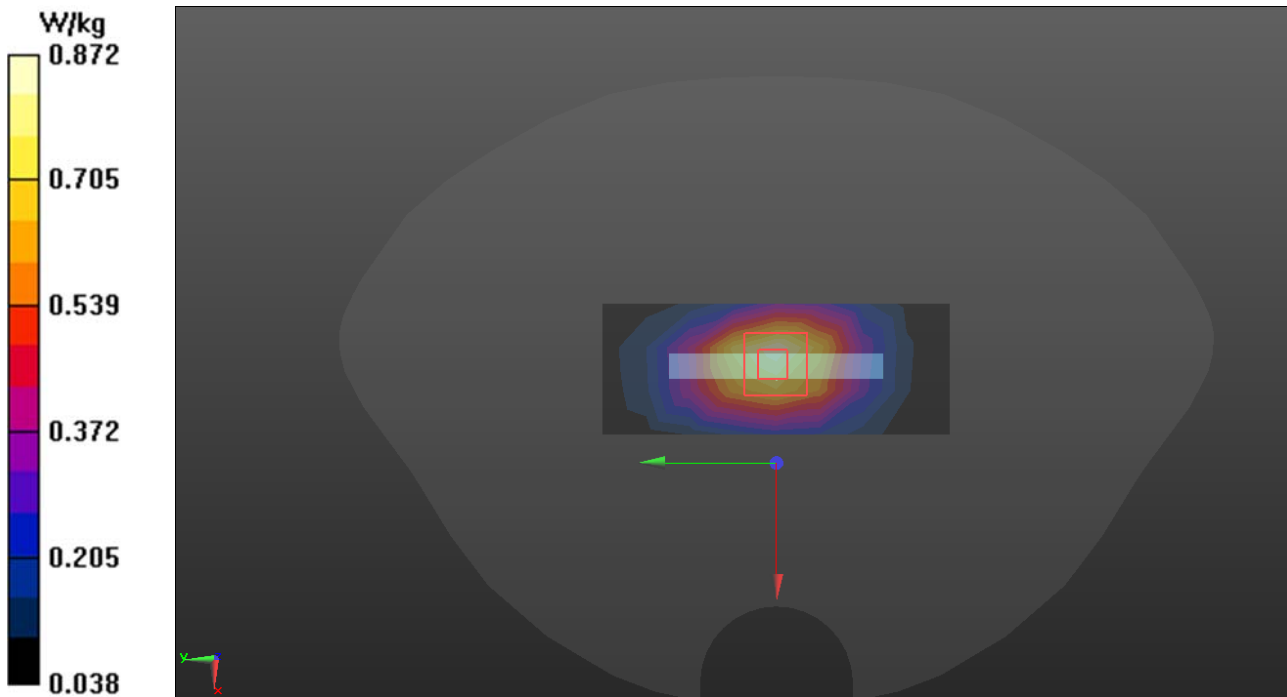
Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.356 W/kg

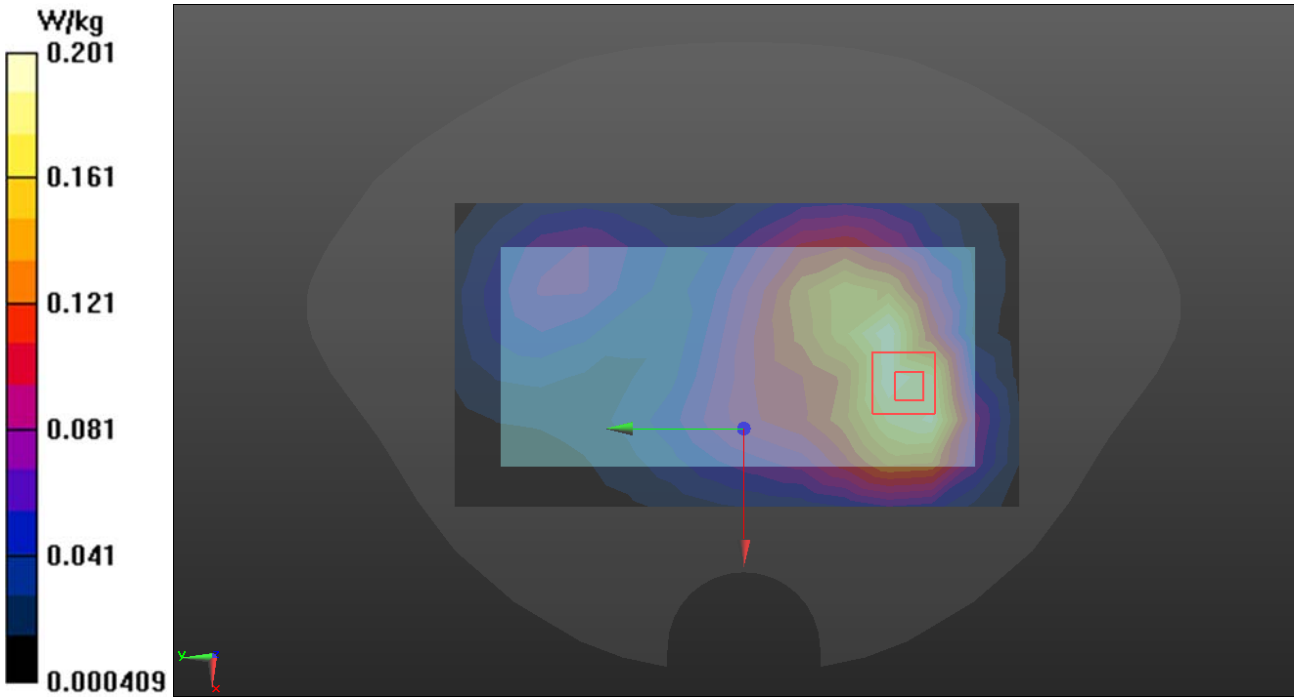
Maximum value of SAR (measured) = 0.741 W/kg



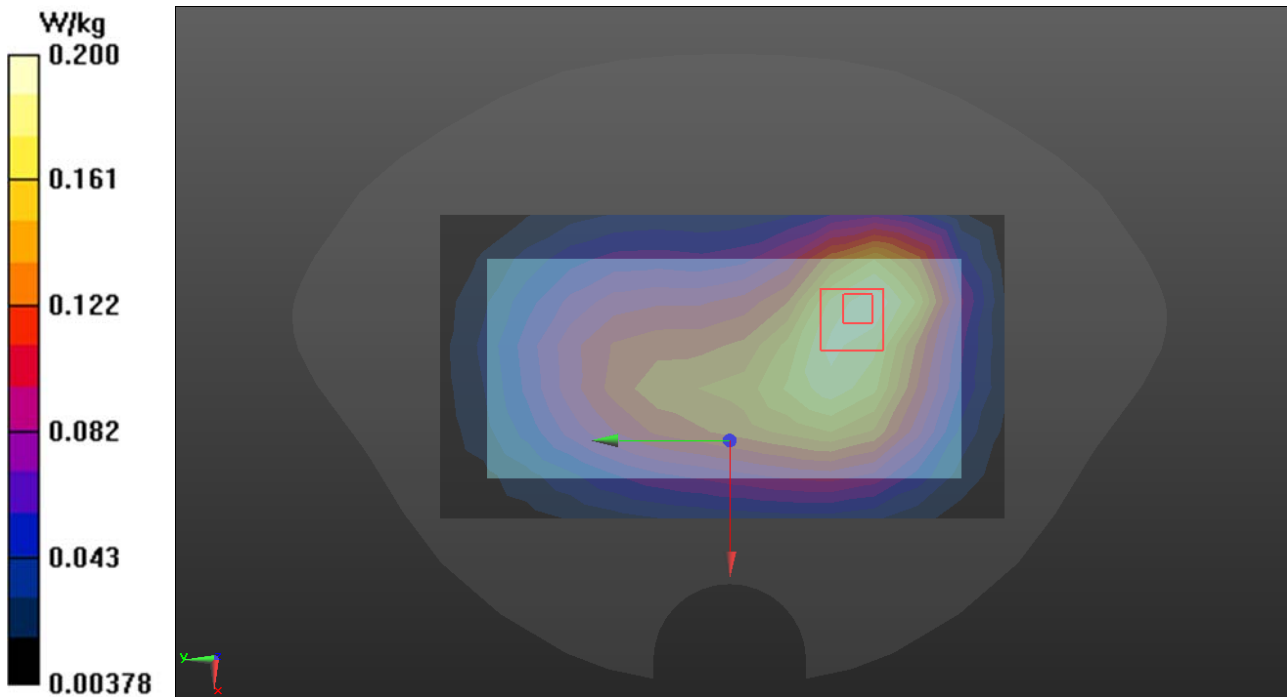
WCDMA Band 2

Hotspot	Bottom
<p>Communication System: UID 0, WCDMA BAND2 (0); Frequency: 1880 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>bottom/WCDMA B2/Area Scan (4x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.872 W/kg</p> <p>bottom/WCDMA B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 23.79 V/m; Power Drift = 0.10 dB Peak SAR (extrapolated) = 1.41 W/kg SAR(1 g) = 0.817 W/kg; SAR(10 g) = 0.483 W/kg Maximum value of SAR (measured) = 0.984 W/kg</p> 	

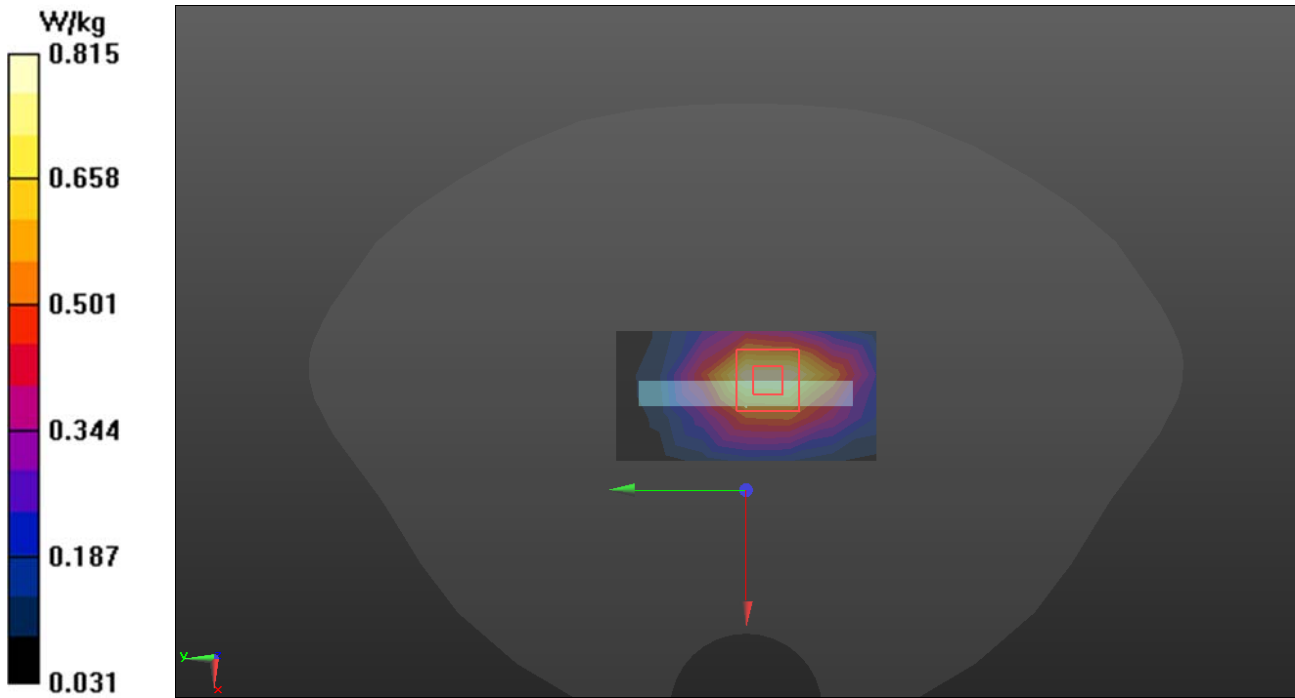
WCDMA Band 4

Hotspot	Back
<p>Communication System: UID 0, WCDMA BAND4 (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1732.4$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 40.07$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>BACK/WCDMA B4/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.201 W/kg</p> <p>BACK/WCDMA B4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 8.374 V/m; Power Drift = -0.16 dB Peak SAR (extrapolated) = 0.298 W/kg</p> <p>SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.116 W/kg Maximum value of SAR (measured) = 0.227 W/kg</p> 	

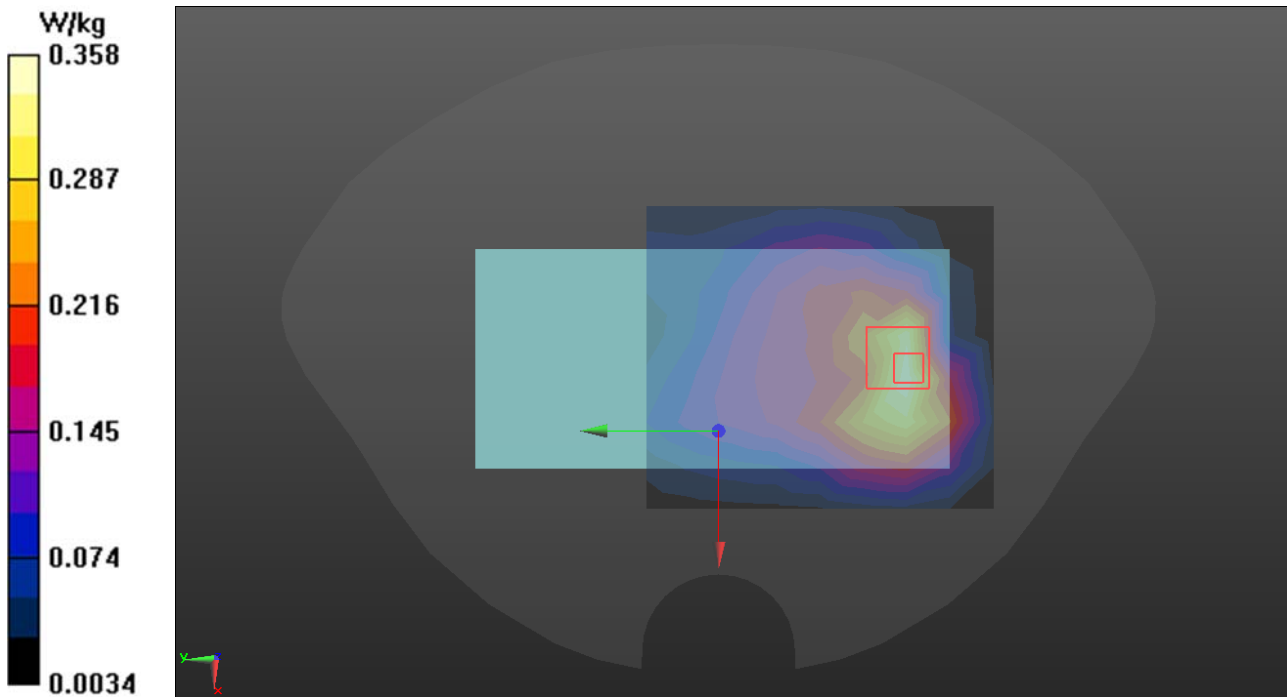
WCDMA Band 5

Hotspot	Back
<p>Communication System: UID 0, WCDMA BAND 5 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.528$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>BACK/WCDMA B5/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.200 W/kg</p> <p>BACK/WCDMA B5/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 12.85 V/m; Power Drift = -0.19 dB Peak SAR (extrapolated) = 0.258 W/kg</p> <p>SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.122 W/kg Maximum value of SAR (measured) = 0.201 W/kg</p> 	

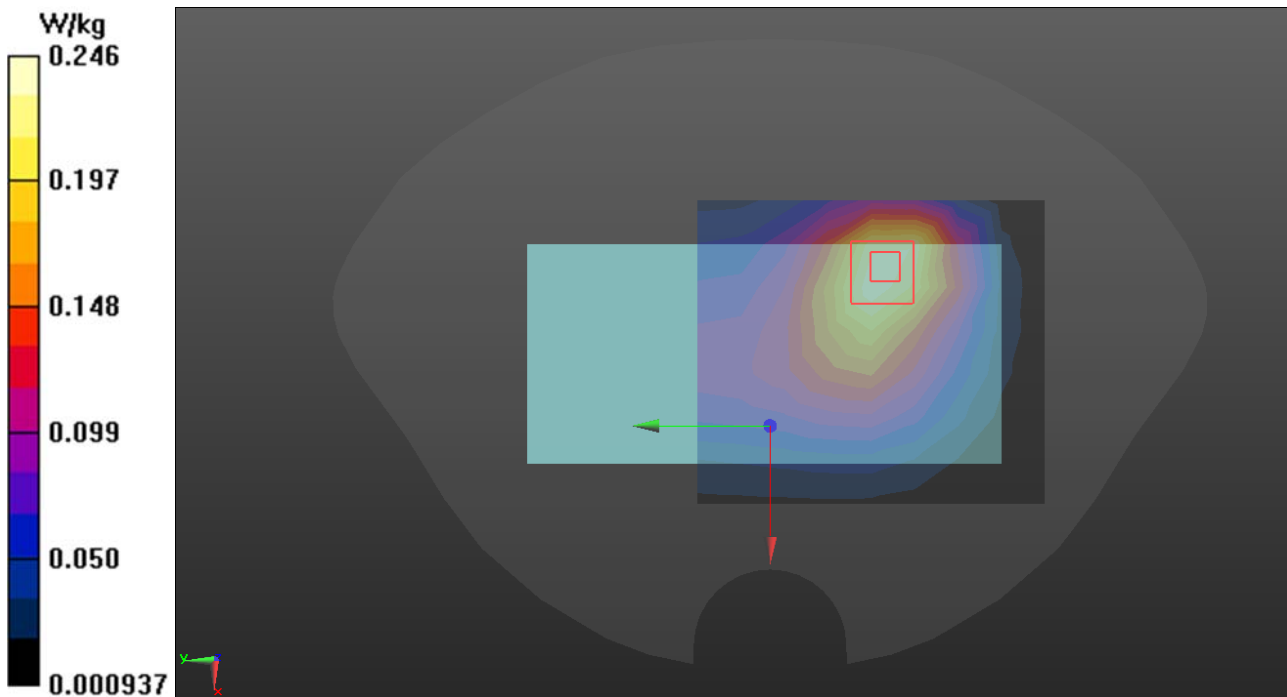
LTE Band2

Hotspot	Bottom
Communication System: UID 0, LTE band 02 (0); Frequency: 1880 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m ³ Phantom section: Flat Section DASY5 Configuration: <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/9/1; Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 2020/9/30 Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) 	
<p>bottom/LTE B2/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.815 W/kg bottom/LTE B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 19.56 V/m; Power Drift = 0.18 dB Peak SAR (extrapolated) = 1.20 W/kg SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.407 W/kg Maximum value of SAR (measured) = 0.869 W/kg</p> 	

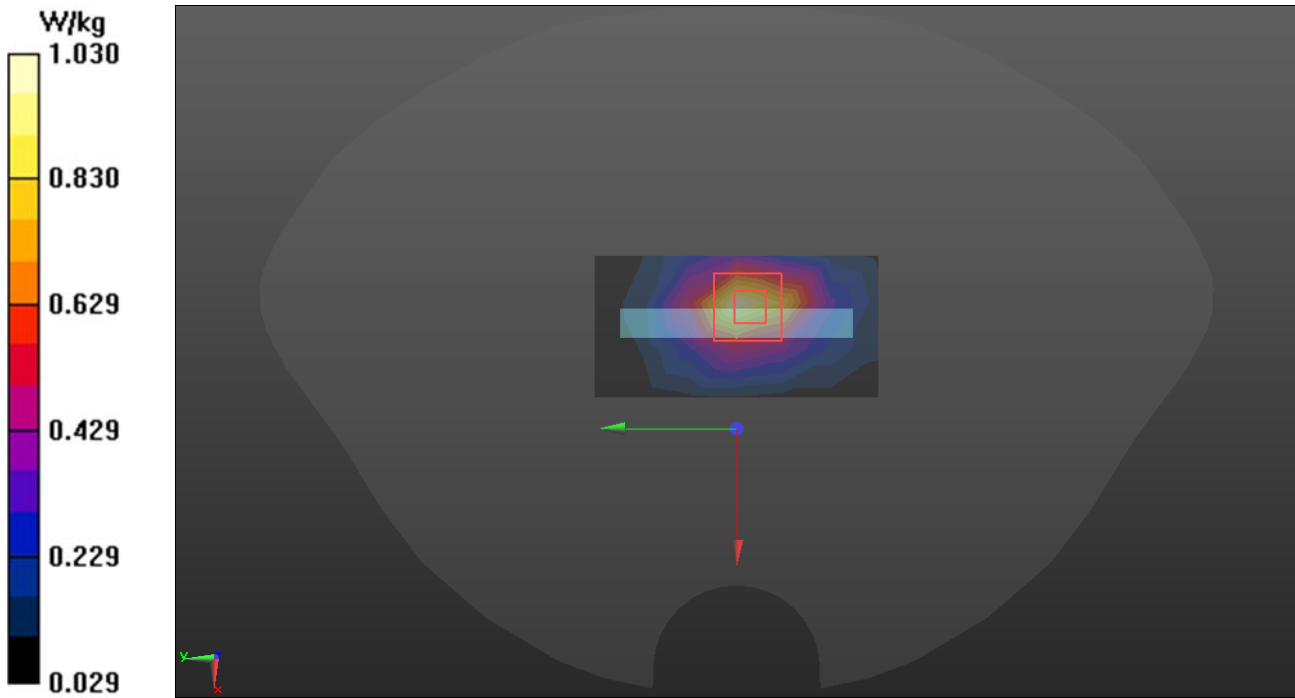
LTE Band4

Hotspot	Back
<p>Communication System: UID 0, LTE band 4 (0); Frequency: 1745 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.383 \text{ S/m}$; $\epsilon_r = 40.047$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>BACK/LTE B4/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.358 W/kg</p> <p>BACK/LTE B4/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 9.622 V/m; Power Drift = -0.15 dB Peak SAR (extrapolated) = 0.507 W/kg</p> <p>SAR(1 g) = 0.300 W/kg; SAR(10 g) = 0.169 W/kg Maximum value of SAR (measured) = 0.368 W/kg</p> 	

LTE Band5

Hotspot	Back
<p>Communication System: UID 0, LTE Band 5 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.5$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.528$; $\rho = 1000$ kg/m³ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.16, 6.16, 6.16); Calibrated: 2020/9/1; Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn720; Calibrated: 2020/9/30 Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) <p>BACK/LTE B5/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.246 W/kg</p> <p>BACK/LTE B5/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 11.12 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 0.364 W/kg</p> <p>SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.137 W/kg Maximum value of SAR (measured) = 0.265 W/kg</p> 	

LTE Band7

Hotspot	Bottom
Communication System: UID 0, LTE Band 7 (0); Frequency: 2535 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2535$ MHz; $\sigma = 1.888$ S/m; $\epsilon_r = 39.084$; $\rho = 1000$ kg/m ³ Phantom section: Flat Section DASY5 Configuration: <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(4.58, 4.58, 4.58); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) 	
<p>bottom/LTE B7/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 1.03 W/kg bottom/LTE B7/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 15.63 V/m; Power Drift = 0.15 dB Peak SAR (extrapolated) = 1.70 W/kg SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.416 W/kg Maximum value of SAR (measured) = 1.09 W/kg</p> 	

LTE Band12

Hotspot	Back
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Communication System: UID 0, LTE Band 12 (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 707.5 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.115$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(6.32, 6.32, 6.32); Calibrated: 2020/9/1;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2020/9/30
- Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

BACK/LTE B12/Area Scan (8x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.120 W/kg

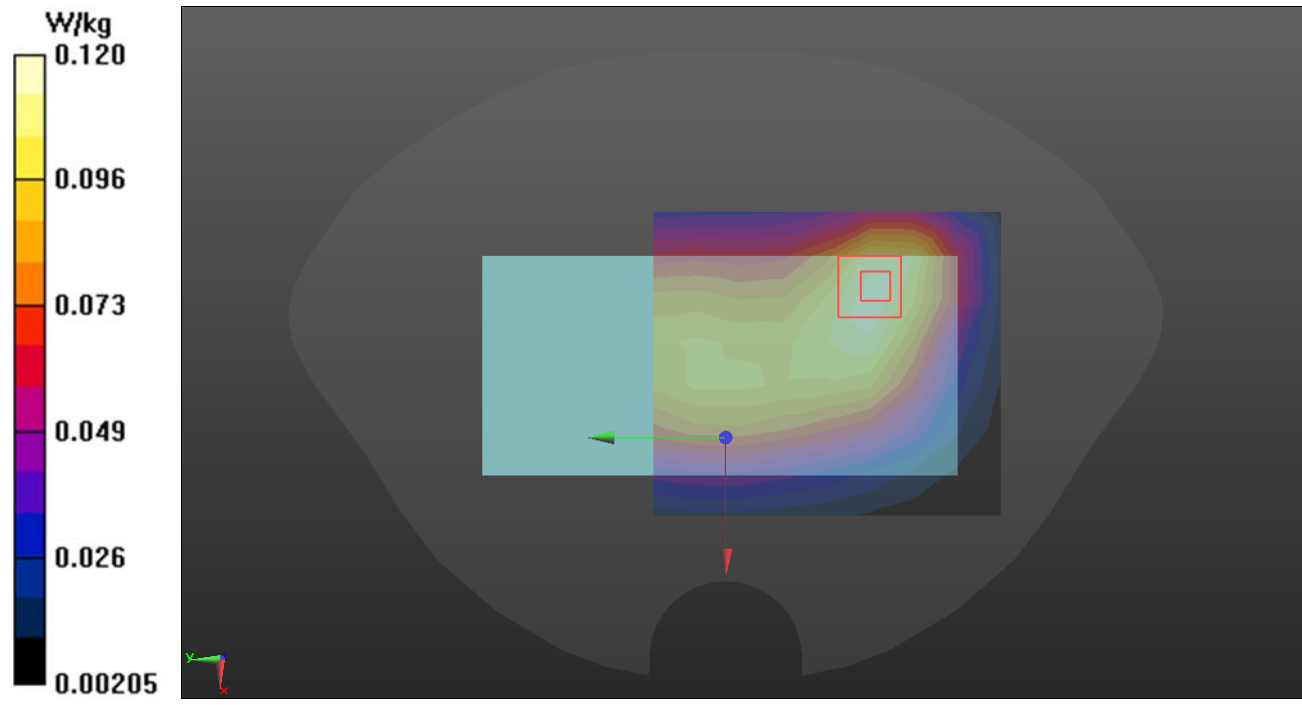
BACK/LTE B12/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.90 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.170 W/kg

SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.066 W/kg

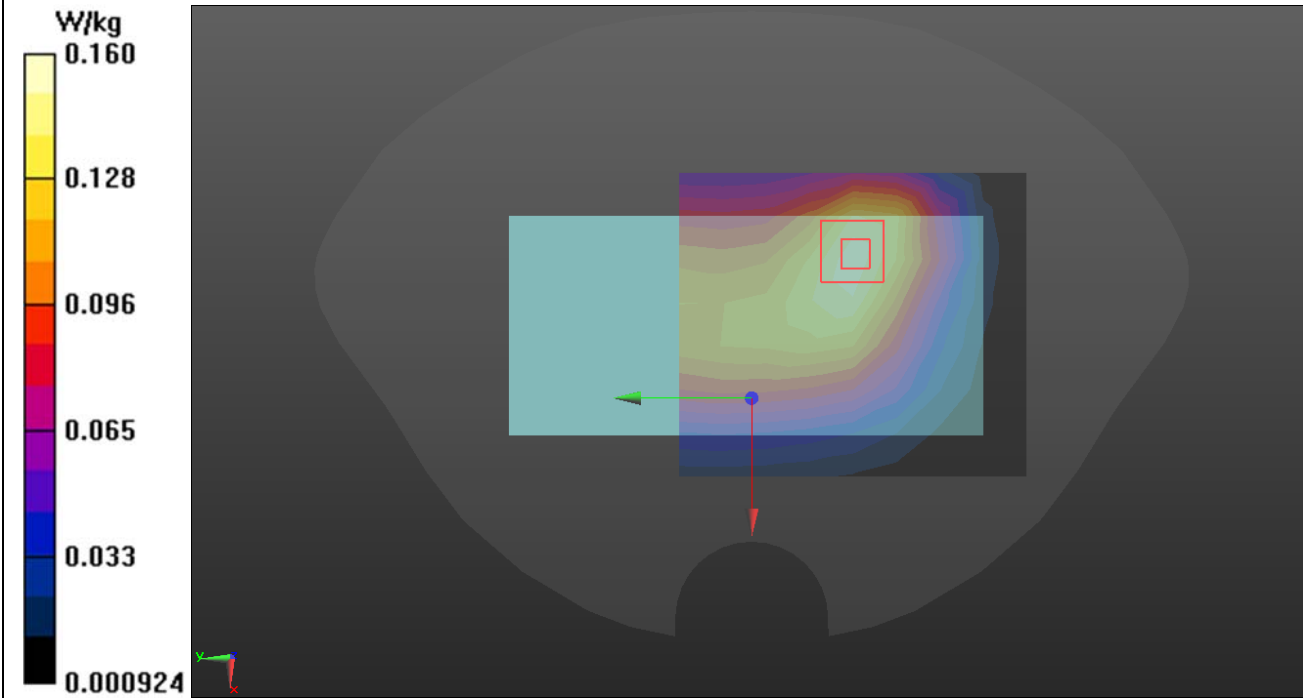
Maximum value of SAR (measured) = 0.122 W/kg



LTE Band13

Hotspot	Back
Communication System: UID 0, LTE band 13 (0); Frequency: 782 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 782 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 41.712$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section DASY5 Configuration: <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(6.32, 6.32, 6.32); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) 	
<p>BACK/LTE B13/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.131 W/kg BACK/LTE B13/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 8.937 V/m; Power Drift = -0.01 dB Peak SAR (extrapolated) = 0.199 W/kg SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.070 W/kg Maximum value of SAR (measured) = 0.138 W/kg</p>	

LTE Band17

Hotspot	Back
Communication System: UID 0, LTE Band 17 (0); Frequency: 710 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 710 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.102$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section DASY5 Configuration: <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(6.32, 6.32, 6.32); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) 	
<p>BACK/LTE B17/Area Scan (8x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.160 W/kg BACK/LTE B17/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm Reference Value = 12.06 V/m; Power Drift = 0.00 dB Peak SAR (extrapolated) = 0.226 W/kg SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.088 W/kg Maximum value of SAR (measured) = 0.161 W/kg</p> 	

LTE Band38

Hotspot	Bottom
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Communication System: UID 0, LTE Band 38 (0); Frequency: 2595 MHz;Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 2595$ MHz; $\sigma = 1.954$ S/m; $\epsilon_r = 39.006$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV3 - SN3127; ConvF(4.37, 4.37, 4.37); Calibrated: 2020/9/1;
- Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn720; Calibrated: 2020/9/30
- Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

bottom/LTE B38/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.383 W/kg

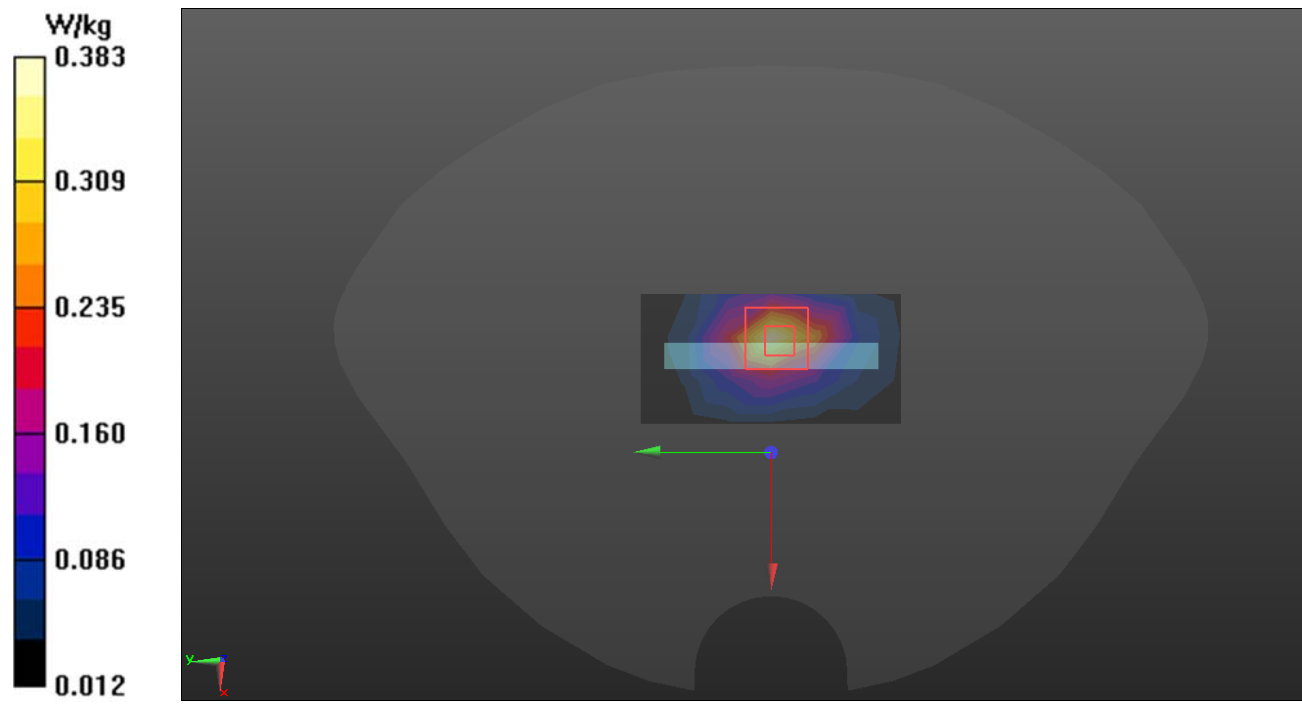
bottom/LTE B38/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.058 V/m; Power Drift = 0.15 dB

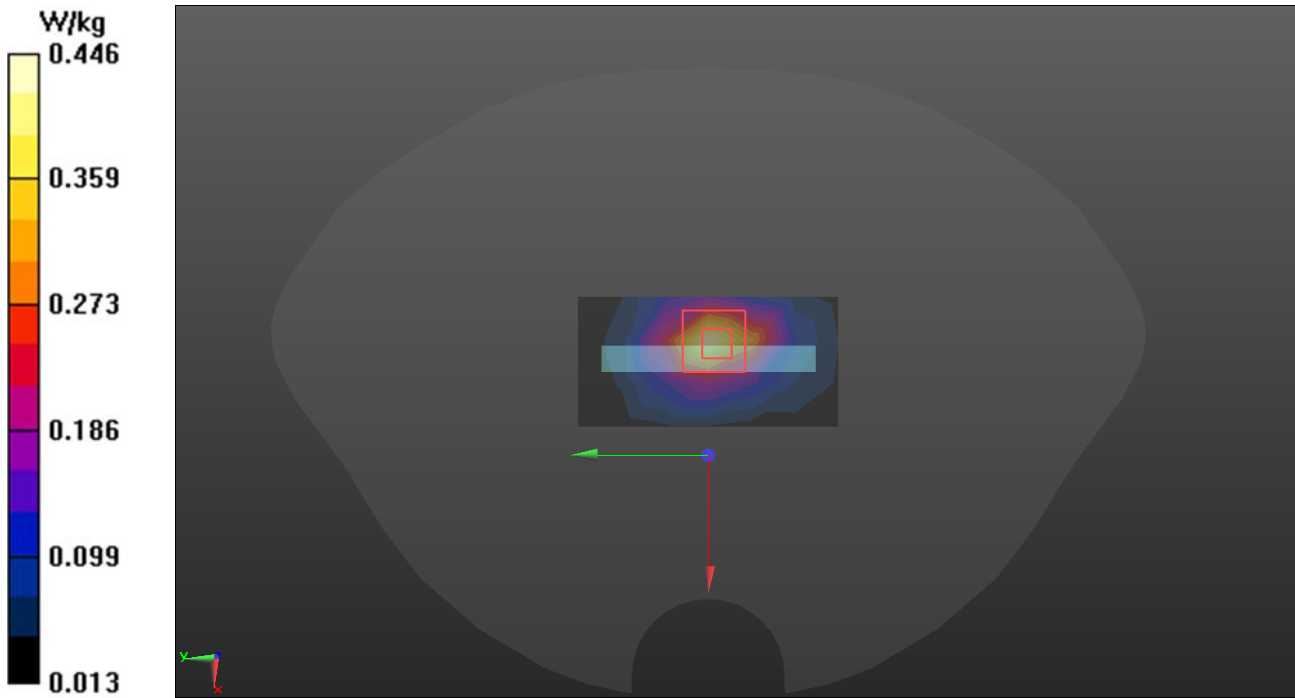
Peak SAR (extrapolated) = 0.619 W/kg

SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.149 W/kg

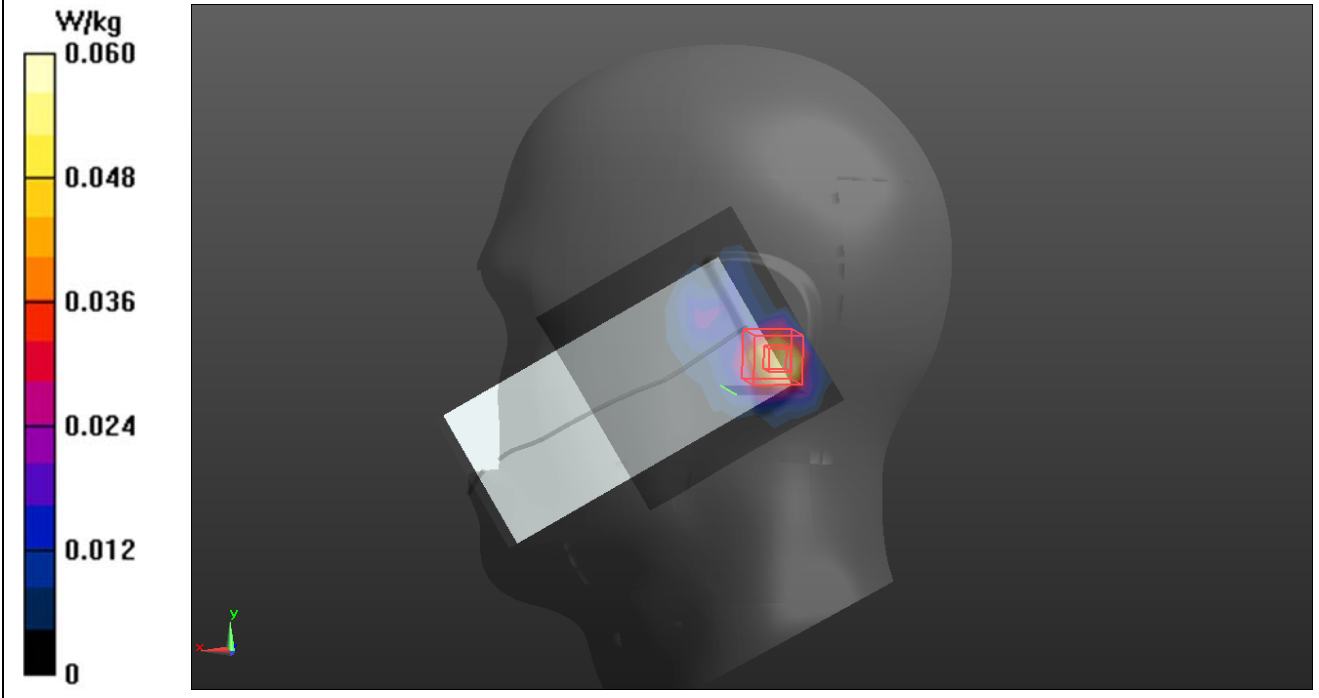
Maximum value of SAR (measured) = 0.397 W/kg



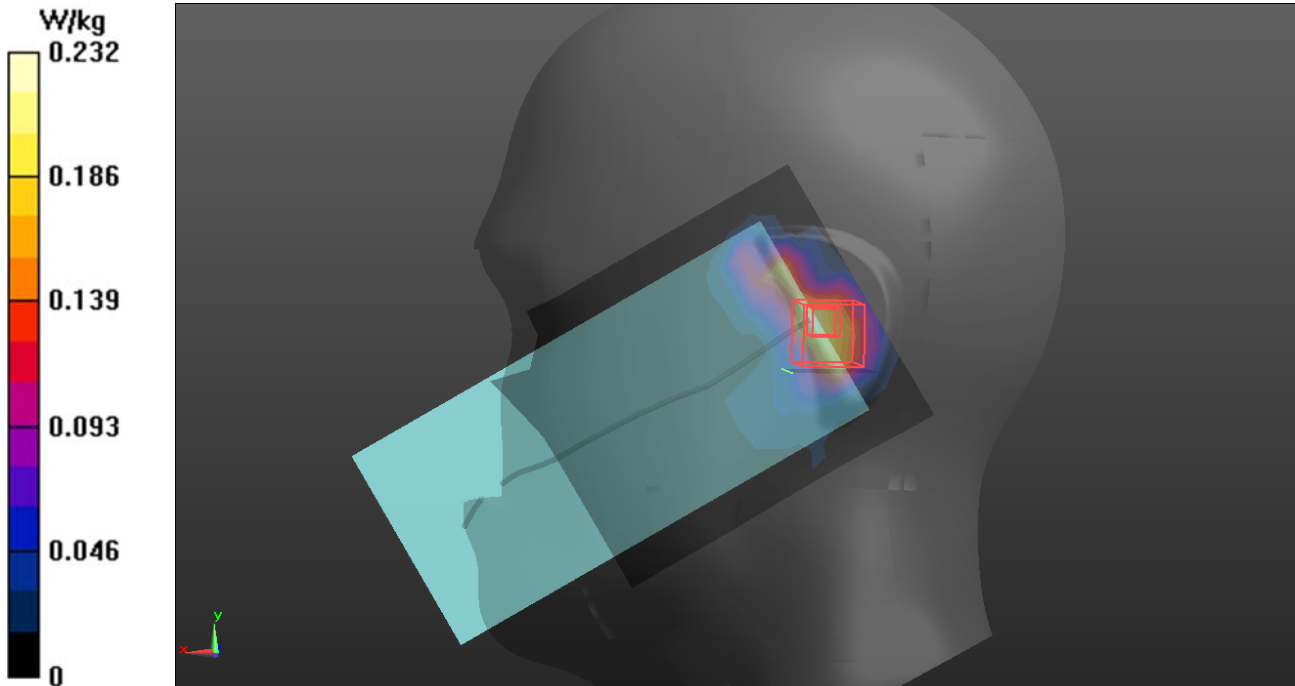
LTE Band41

Hotspot	Bottom
Communication System: UID 0, LTE Band 41 (0); Frequency: 2593 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2593$ MHz; $\sigma = 1.952$ S/m; $\epsilon_r = 39.009$; $\rho = 1000$ kg/m ³ Phantom section: Flat Section DASY5 Configuration: <ul style="list-style-type: none"> • Probe: ES3DV3 - SN3127; ConvF(4.37, 4.37, 4.37); Calibrated: 2020/9/1; • Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) • Electronics: DAE4 Sn720; Calibrated: 2020/9/30 • Phantom: Twin-SAM 1660; Type: QD 000 P40 CD; Serial: 1660 • Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373) 	
<p>bottom/LTE B41/Area Scan (4x7x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.446 W/kg bottom/LTE B41/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 9.818 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.716 W/kg SAR(1 g) = 0.357 W/kg; SAR(10 g) = 0.173 W/kg Maximum value of SAR (measured) = 0.461 W/kg</p> 	

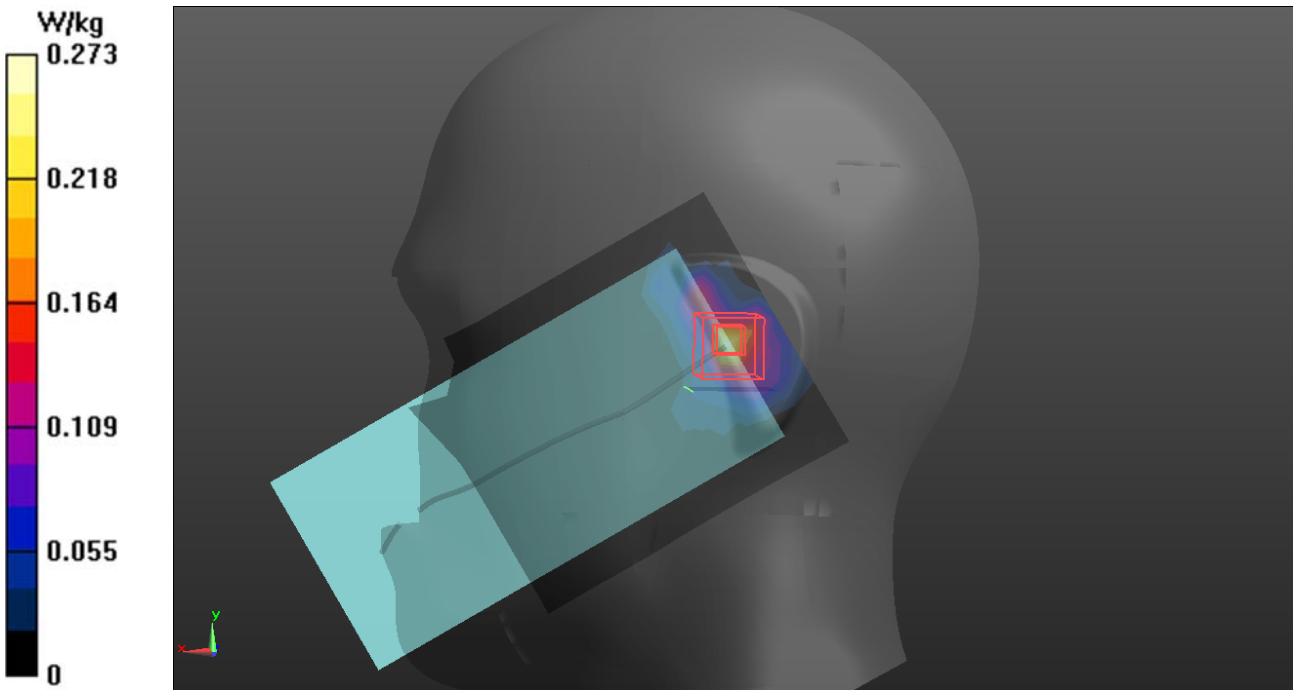
WIFI 2.4GHz MIMO

Head	Left Tilt
<p>Communication System: UID 10599 - AAC, IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle); Frequency: 2437 MHz;Duty Cycle: 1:7.56833 Medium parameters used (interpolated): f = 2437 MHz; $\sigma = 1.788$ S/m; $\epsilon_r = 39.219$; $\rho = 1000$ kg/m³ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: EX3DV4 - SN3708; ConvF(7.48, 7.48, 7.48); Calibrated: 2020/10/30; • Sensor-Surface: 1.4mm (Mechanical Surface Detection) • Electronics: DAE4 Sn546; Calibrated: 2020/11/11 • Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx • Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) <p>2.4G LT/2.4G MIMO/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 0.0599 W/kg</p> <p>2.4G LT/2.4G MIMO/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 3.789 V/m; Power Drift = 0.20 dB Peak SAR (extrapolated) = 0.0990 W/kg SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.012 W/kg Maximum value of SAR (measured) = 0.0762 W/kg</p> 	

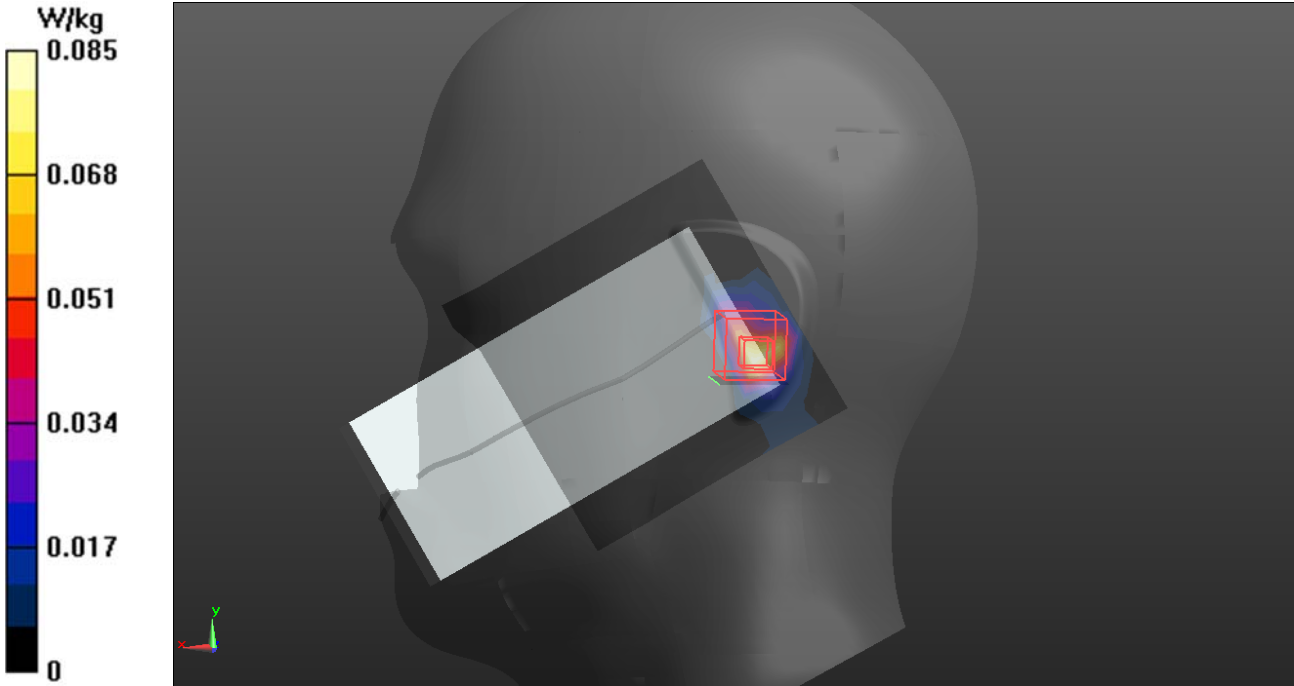
WIFI 5GHz UNII-1 MIMO

Head	Left Cheek
<p>Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5220 MHz;Duty Cycle: 1:7.37564 Medium parameters used (interpolated): $f = 5220$ MHz; $\sigma = 4.68$ S/m; $\epsilon_r = 35.98$; $\rho = 1000$ kg/m³ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: EX3DV4 - SN3708; ConvF(5.57, 5.57, 5.57); Calibrated: 2020/10/30; • Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection) • Electronics: DAE4 Sn546; Calibrated: 2020/11/11 • Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx • Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) <p>LC/5.2G MIMO/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.232 W/kg</p> <p>LC/5.2G MIMO/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm Reference Value = 7.934 V/m; Power Drift = -0.19 dB Peak SAR (extrapolated) = 0.386 W/kg SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.027 W/kg Maximum value of SAR (measured) = 0.259 W/kg</p> 	

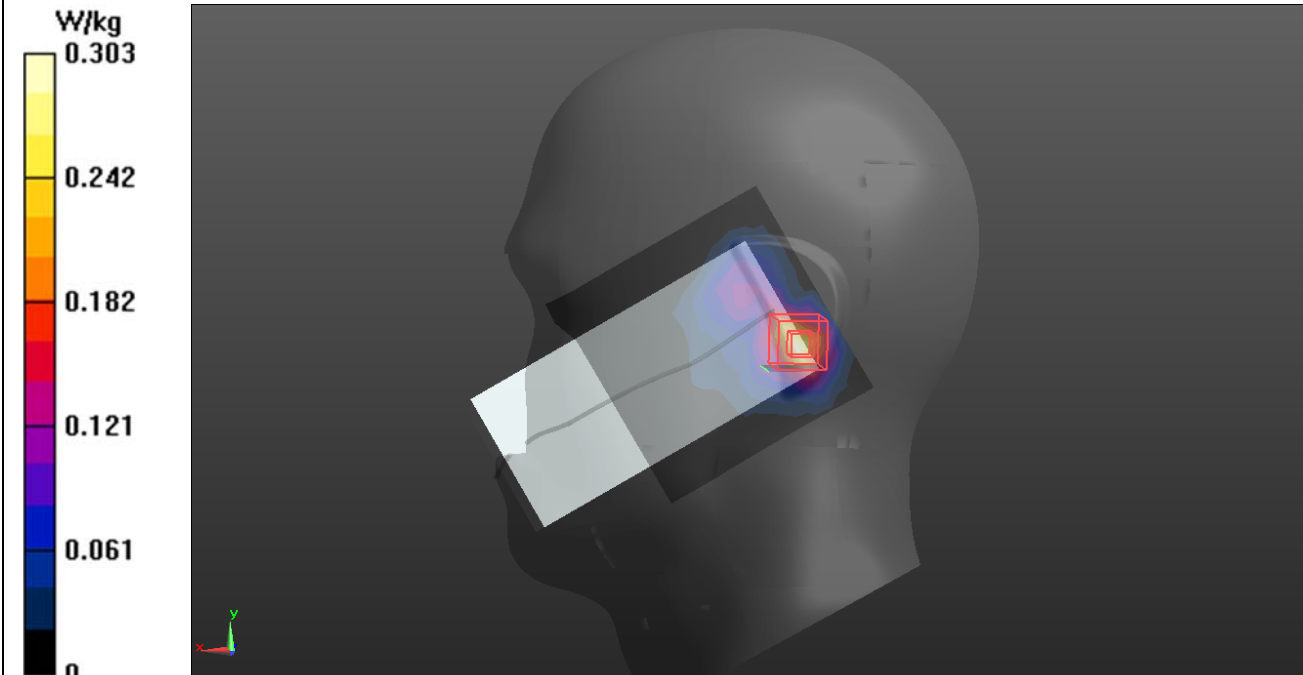
WIFI 5GHz UNII-2A MIMO

Head	Left Cheek
<p>Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps); Frequency: 5280 MHz;Duty Cycle: 1:7.37564 Medium parameters used (interpolated): $f = 5280$ MHz; $\sigma = 4.74$ S/m; $\epsilon_r = 35.92$; $\rho = 1000$ kg/m³ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(5.43, 5.43, 5.43); Calibrated: 2020/10/30; Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 2020/11/11 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) <p>LC/5.3G MIMO/Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.273 W/kg LC/5.3G MIMO/Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm Reference Value = 8.923 V/m; Power Drift = -0.14 dB Peak SAR (extrapolated) = 0.464 W/kg SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.023 W/kg Maximum value of SAR (measured) = 0.253 W/kg</p>	
	

WIFI 5GHz UNII-2C MIMO

Head	Left Tilt
<p>Communication System: UID 10534 - AAC, IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle); Frequency: 5670 MHz;Duty Cycle: 1:7.00164 Medium parameters used (interpolated): $f = 5670$ MHz; $\sigma = 5.14$ S/m; $\epsilon_r = 35.43$; $\rho = 1000$ kg/m³ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: EX3DV4 - SN3708; ConvF(4.95, 4.95, 4.95); Calibrated: 2020/10/30; Sensor-Surface: 1.4mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 2020/11/11 Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) <p>5.5G LT/5.5G MIMO/Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.0848 W/kg</p> <p>5.5G LT/5.5G MIMO/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm Reference Value = 4.803 V/m; Power Drift = -0.15 dB Peak SAR (extrapolated) = 0.243 W/kg SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.00545 W/kg Maximum value of SAR (measured) = 0.0865 W/kg</p>	
	

WIFI 5GHz UNII-3 MIMO

Head	Left Tilt
<p>Communication System: UID 10534 - AAC, IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle); Frequency: 5795 MHz;Duty Cycle: 1:7.00164 Medium parameters used (interpolated): $f = 5795$ MHz; $\sigma = 5.265$ S/m; $\epsilon_r = 35.305$; $\rho = 1000$ kg/m³ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> • Probe: EX3DV4 - SN3708; ConvF(5.12, 5.12, 5.12); Calibrated: 2020/10/30; • Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection) • Electronics: DAE4 Sn546; Calibrated: 2020/11/11 • Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx • Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) <p>5.8G LT/5.8G MIMO/Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm Maximum value of SAR (measured) = 0.303 W/kg</p> <p>5.8G LT/5.8G MIMO/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm Reference Value = 4.877 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.370 W/kg SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.074 W/kg Maximum value of SAR (measured) = 0.291 W/kg</p> 	

Bluetooth

Head	Left Tilt
Communication System: UID 0, BT (0); Frequency: 2441 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2441$ MHz; $\sigma = 1.792$ S/m; $\epsilon_r = 39.213$; $\rho = 1000$ kg/m ³ Phantom section: Left Section DASY5 Configuration: <ul style="list-style-type: none"> • Probe: EX3DV4 - SN3708; ConvF(7.48, 7.48, 7.48); Calibrated: 2020/10/30; • Sensor-Surface: 1.4mm (Mechanical Surface Detection) • Electronics: DAE4 Sn546; Calibrated: 2020/11/11 • Phantom: Twin-SAM 1559; Type: QD 000 P40 CD; Serial: xxxx • Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.10 (7373) 	
<p>BT LT/BT/Area Scan (9x9x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 0.0148 W/kg BT LT/BT/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 0.7610 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 0.0360 W/kg SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00311 W/kg Maximum value of SAR (measured) = 0.0249 W/kg</p>	