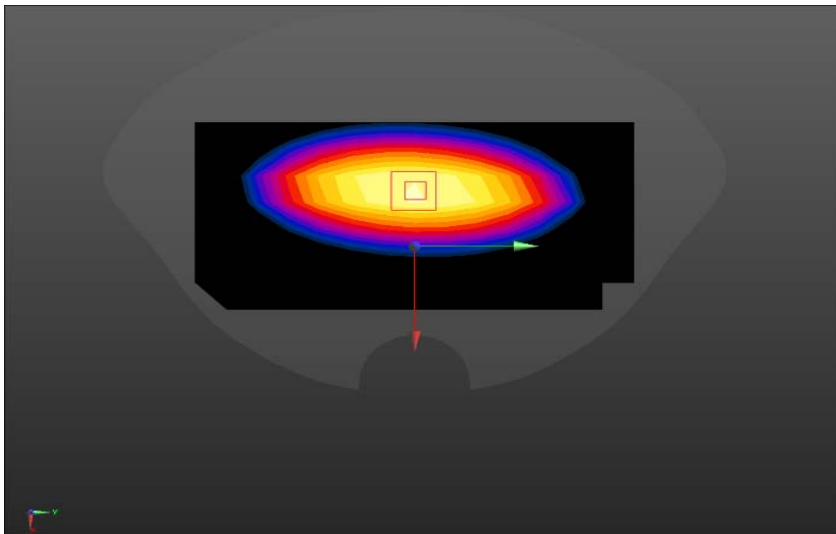
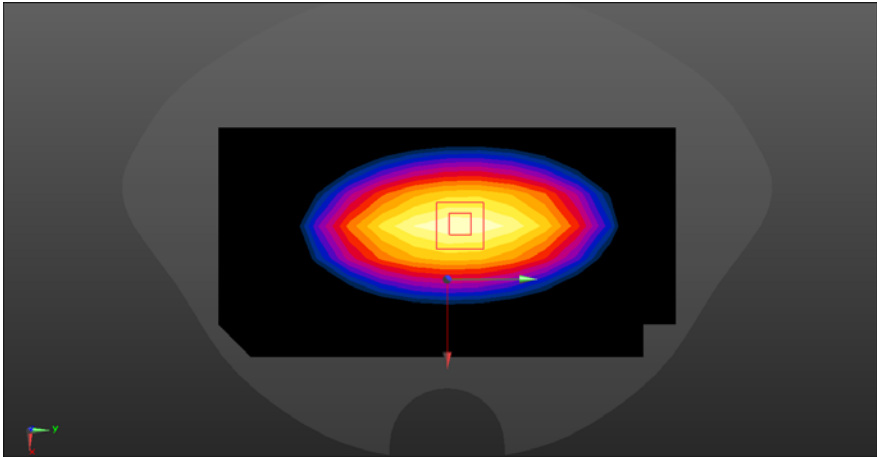
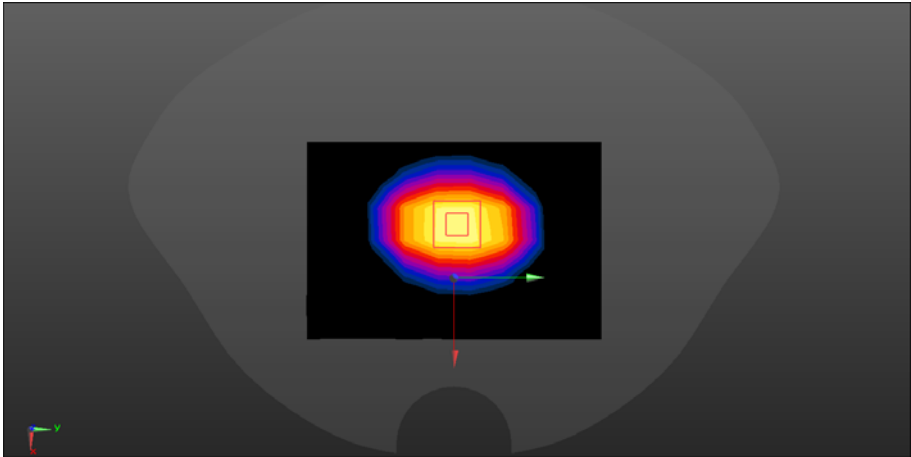
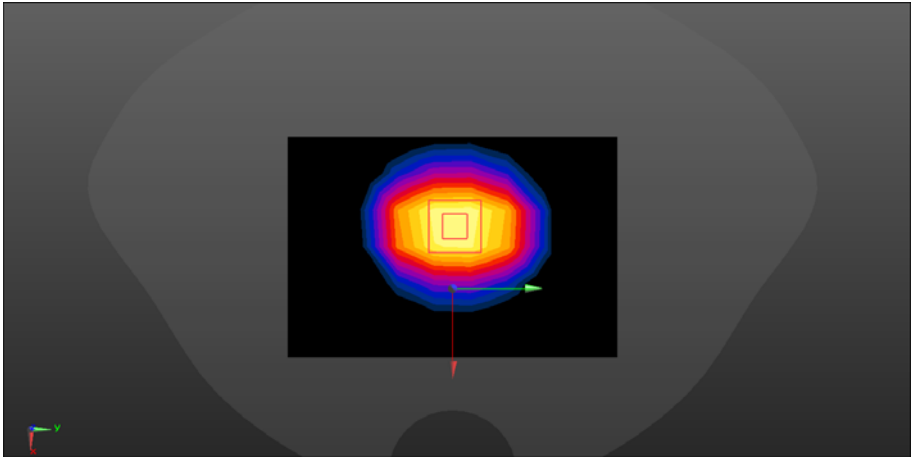


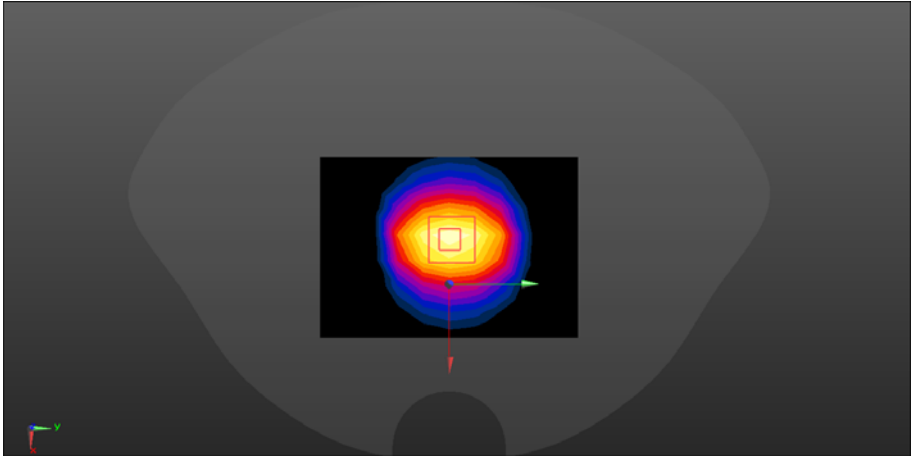
ANNEX A – TEST PLOTS

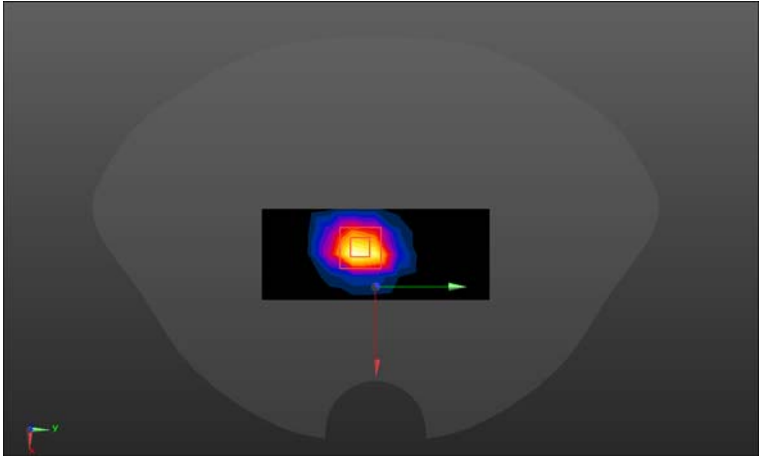
System check	750MHz
<p>Communication System: UID 0, CW (0) Frequency: 750 MHz; Medium parameters used: $f = 750 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 41.374$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.34, 6.34, 6.34) @ 707.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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) = 2.14 W/kg; SAR(10 g) = 1.42 W/kg Maximum value of SAR (measured) = 2.49 W/kg</p> 	

System check	835MHz
<p>Communication System: UID 0, CW (0); Frequency: 835 MHz Medium parameters used (interpolated): $f = 835 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 40.352$ $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.20, 6.20, 6.20); Calibrated: 8/27/2019; Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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 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) = 2.43 W/kg; SAR(10 g) = 1.62 W/kg Maximum value of SAR (measured) = 2.75 W/kg</p> 	

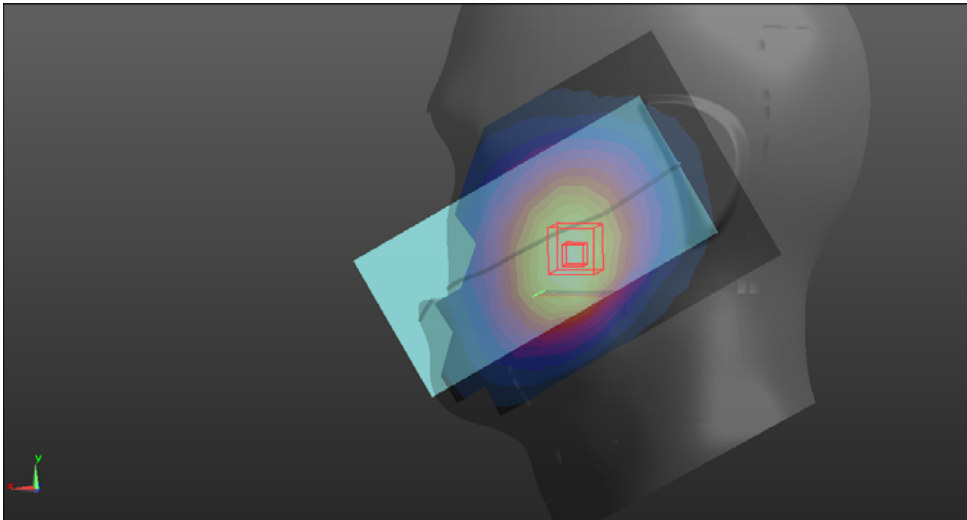
System check	1800MHz
<p>Communication System: UID 0, CW (0); Frequency: 1800 MHz Medium parameters used: $f = 1800 \text{ MHz}$; $\sigma = 1.413 \text{ S/m}$; $\epsilon_r = 40.647$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.10, 5.10, 5.10); Calibrated: 8/27/2019; Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 8.31 W/kg Configuration 1800/1800/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.60 V/m; Power Drift = 0.01 dB Peak SAR (extrapolated) = 17.5 W/kg SAR(1 g) = 9.52 W/kg; SAR(10 g) = 4.93 W/kg Maximum value of SAR (measured) = 12.1 W/kg</p> 	

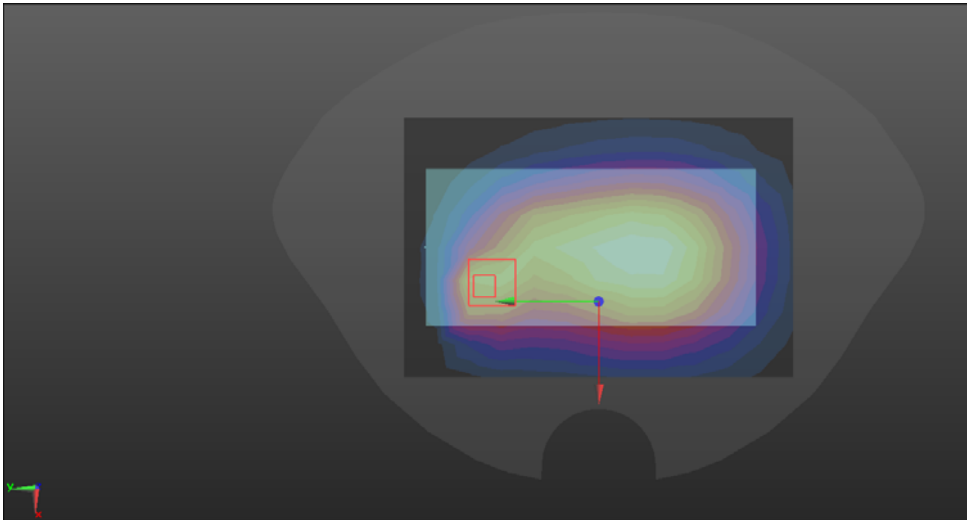
System check	2000MHz
<p>Communication System: UID 0, CW (0); Frequency: 2000 MHz Medium parameters used: $f = 2000 \text{ MHz}$; $\sigma = 1.434 \text{ S/m}$; $\epsilon_r = 39.857$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.02, 5.02, 5.02); Calibrated: 8/27/2019; Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (measured) = 8.40 W/kg Configuration 2000/2000/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.22 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 18.7 W/kg SAR(1 g) = 9.86 W/kg; SAR(10 g) = 4.97 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 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.851 \text{ S/m}$; $\epsilon_r = 38.367$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.50, 4.50, 4.50); Calibrated: 8/27/2019; Sensor-Surface: 3mm (Mechanical Surface Detection), $z = -3.0, 32.0$ Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 21.4 W/kg</p> <p>System Performance Check at Frequencies 2450 MHz/2450/Zoom Scan (7x7x7) (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 108.3 V/m; Power Drift = 0.19 dB Peak SAR (extrapolated) = 28.6 W/kg SAR(1 g) = 13.6 W/kg; SAR(10 g) = 6.32 W/kg Maximum value of SAR (measured) = 22.6 W/kg</p> 	

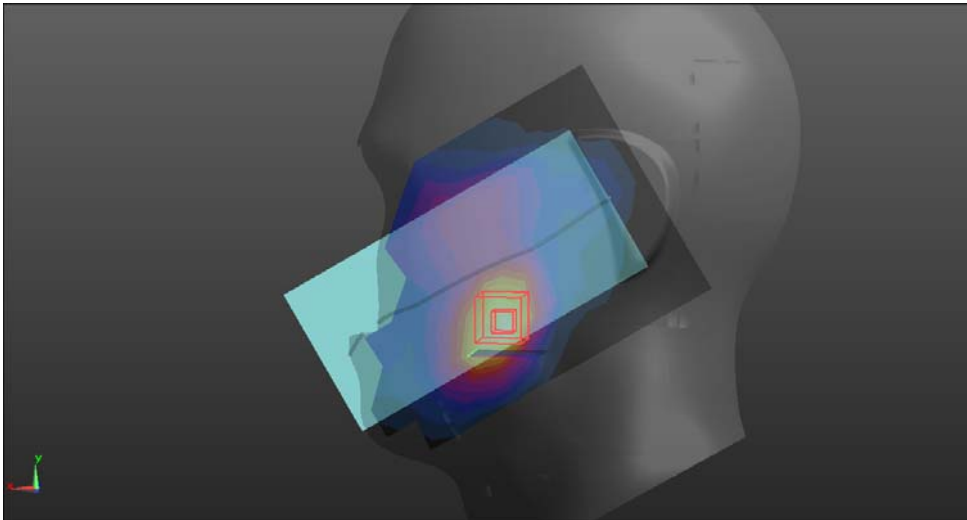
System check	2600MHz
<p>Communication System: UID 0, CW (0); Frequency: 2600 MHz;Duty Cycle: 1:1 Medium parameters used: $f = 2600 \text{ MHz}$; $\sigma = 1.948 \text{ S/m}$; $\epsilon_r = 39.653$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.32, 4.32, 4.32) @ 2437 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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 CHECK 2600/SYSTEM CHECK 2600MHz/Area Scan (5x11x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 21.6 W/kg</p> <p>SYSTEM CHECK 2600/SYSTEM CHECK 2600MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$ Reference Value = 104.5 V/m; Power Drift = 0.07 dB Peak SAR (extrapolated) = 33.9 W/kg SAR(1 g) = 14.5 W/kg; SAR(10 g) = 6.64 W/kg Maximum value of SAR (measured) = 26.4 W/kg</p> 	

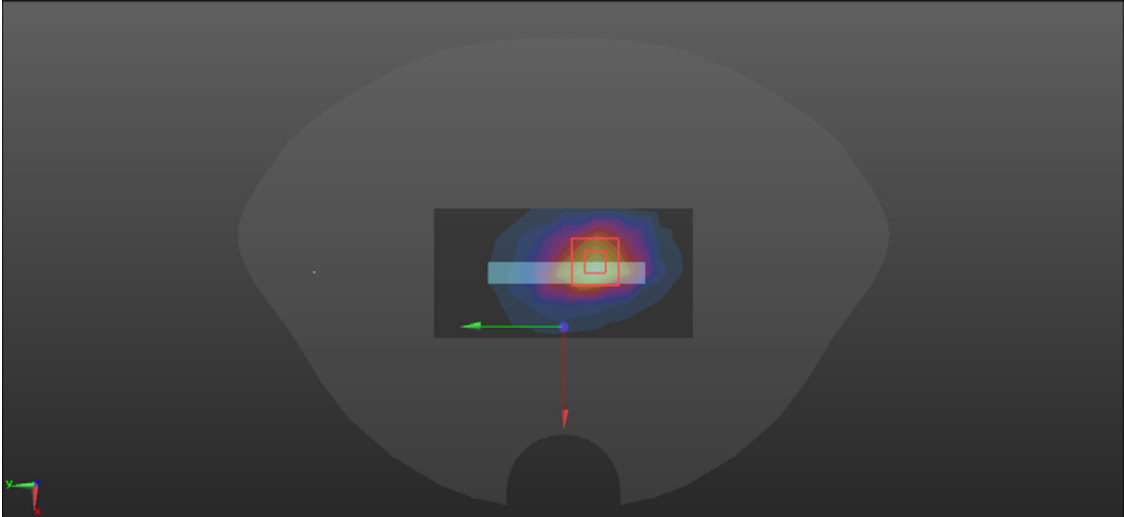
GSM850

Head	Left cheek
<p>Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 2:8.30042</p> <p>Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 41.528$; $\rho = 1000$ kg/m³</p> <p>Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.6 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC GPRS850 2TX/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm</p> <p>Maximum value of SAR (measured) = 0.204 W/kg</p> <p>LEFT HEAD/LC GPRS850 2TX/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm</p> <p>Reference Value = 6.787 V/m; Power Drift = 0.18 dB</p> <p>Peak SAR (extrapolated) = 0.241 W/kg</p> <p>SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.143 W/kg</p> <p>Maximum value of SAR (measured) = 0.206 W/kg</p>	
	

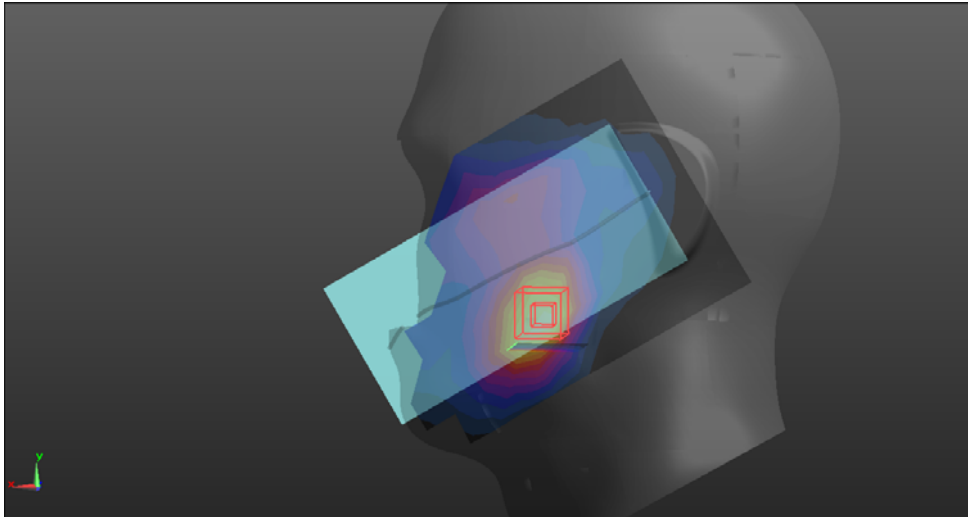
Body-worn& Hotspot	Back
<p>Communication System: UID 0, Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 2:8.30042</p> <p>Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.528$; $\rho = 1000 \text{ kg/m}^3$</p> <p>Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.6 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/BACK GSM850 2TX/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$</p> <p>Maximum value of SAR (measured) = 0.335 W/kg</p> <p>BODY/BACK GSM850 2TX/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$</p> <p>Reference Value = 19.39 V/m; Power Drift = 0.06 dB</p> <p>Peak SAR (extrapolated) = 0.507 W/kg</p> <p>SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.163 W/kg</p> <p>Maximum value of SAR (measured) = 0.357 W/kg</p>	
	

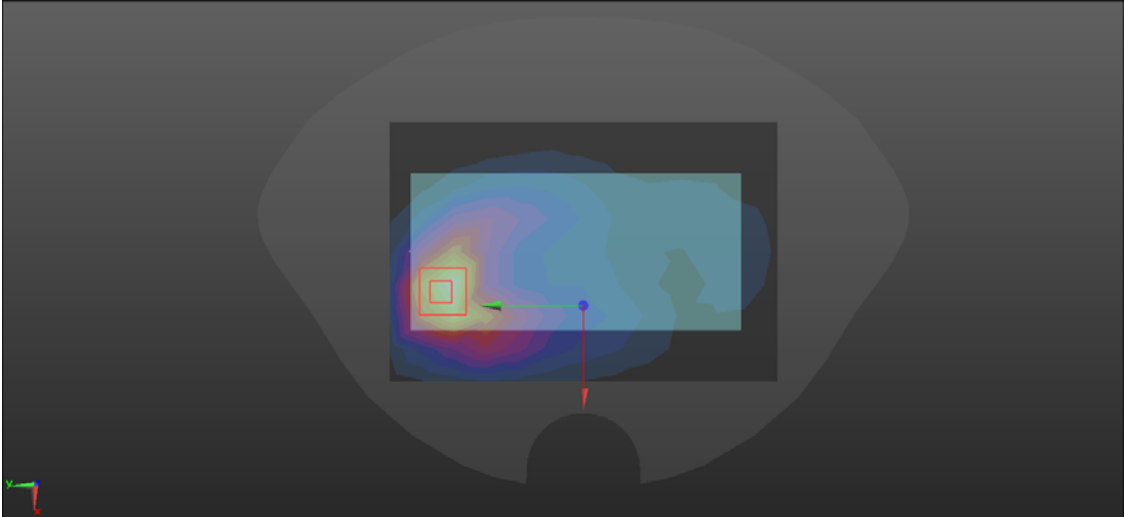
GSM1900

Head	Left cheek
<p>Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 2:8.30042</p> <p>Medium parameters used (interpolated): $f = 1880$ MHz; $\sigma = 1.4$ S/m; $\epsilon_r = 40$; $\rho = 1000$ kg/m³</p> <p>Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC GPRS1900 2TX/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.0498 W/kg</p> <p>LEFT HEAD/LC GPRS1900 2TX/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 2.558 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 0.0720 W/kg SAR(1 g) = 0.046 W/kg; SAR(10 g) = 0.028 W/kg Maximum value of SAR (measured) = 0.0545 W/kg</p>	
	

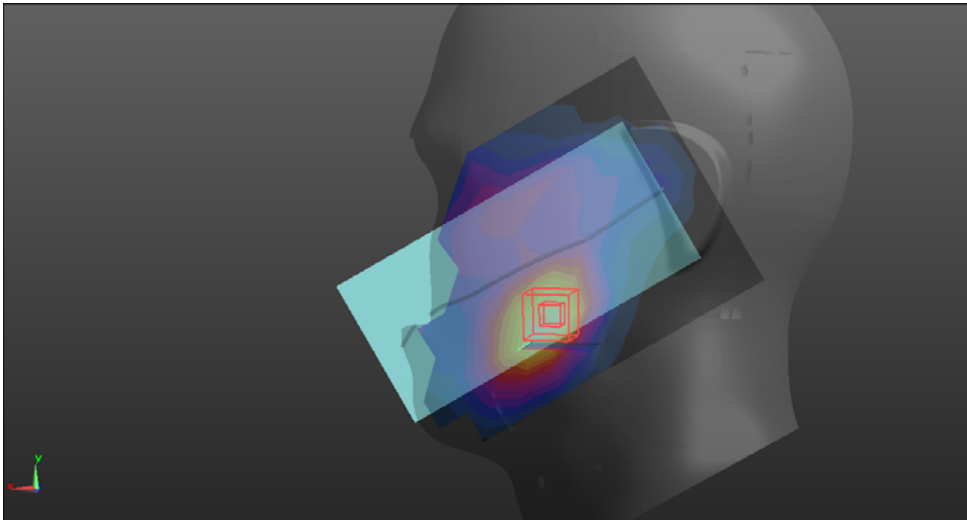
Hotspot	Bottom
<p>Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 2:8.30042</p> <p>Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$</p> <p>Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>HOTSPOT/BOTTOM GSM1900 2TX/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.437 W/kg</p> <p>HOTSPOT/BOTTOM GSM1900 2TX/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 15.35 V/m; Power Drift = 0.12 dB Peak SAR (extrapolated) = 0.705 W/kg SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.220 W/kg Maximum value of SAR (measured) = 0.512 W/kg</p> 	

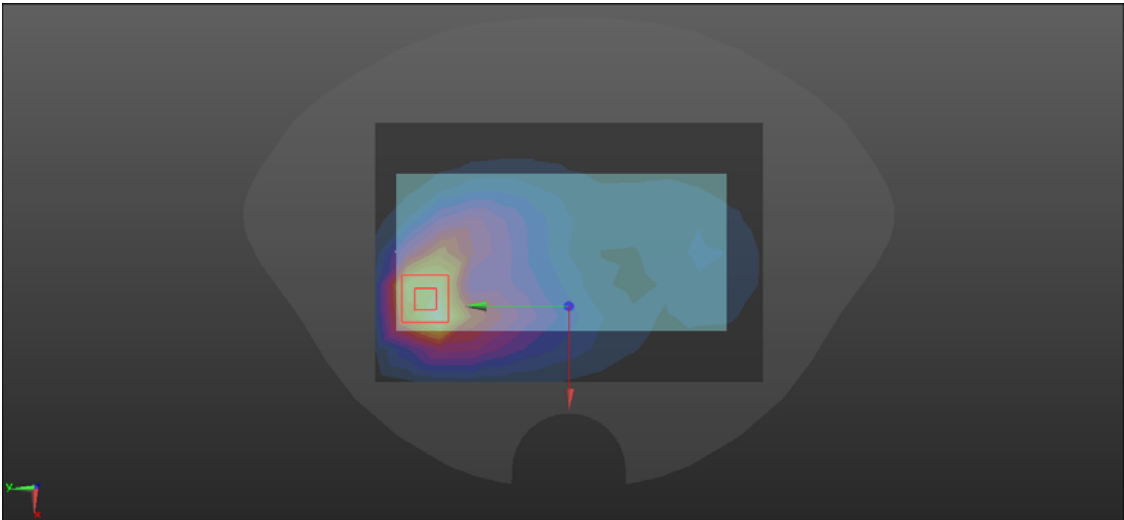
WCDMA Band II

Head	Left cheek
<p>Communication System: UID 0, wcdma BANDII (0); Frequency: 1880 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC wcdma B2/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.0708 W/kg LEFT HEAD/LC wcdma B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 3.320 V/m; Power Drift = 0.06 dB Peak SAR (extrapolated) = 0.103 W/kg SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.041 W/kg Maximum value of SAR (measured) = 0.0791 W/kg</p>	
	

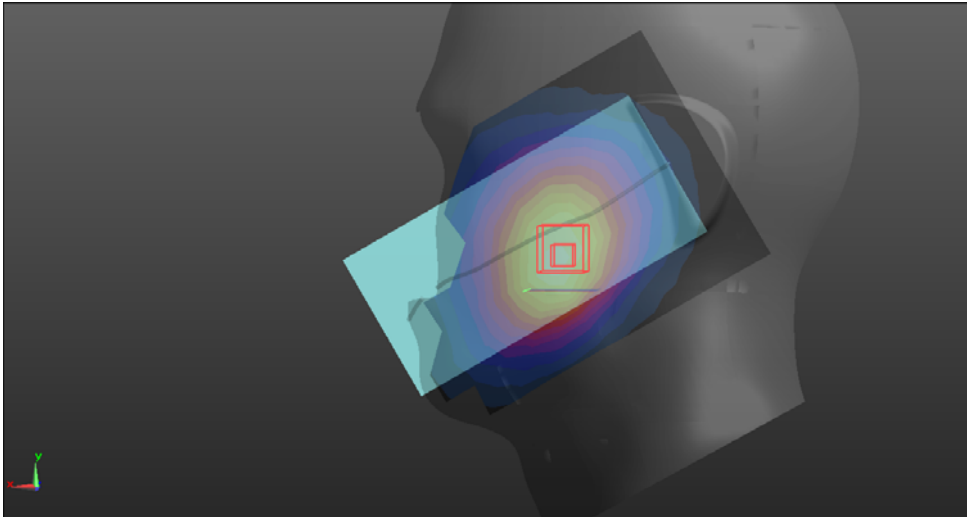
Body-worn& Hotspot	Back
<p>Communication System: UID 0, wcdma BANDII (0); Frequency: 1880 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/BACK WCDMA B2/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.378 W/kg</p> <p>BODY/BACK WCDMA B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 7.212 V/m; Power Drift = -0.07 dB Peak SAR (extrapolated) = 0.623 W/kg SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.200 W/kg Maximum value of SAR (measured) = 0.457 W/kg</p> 	

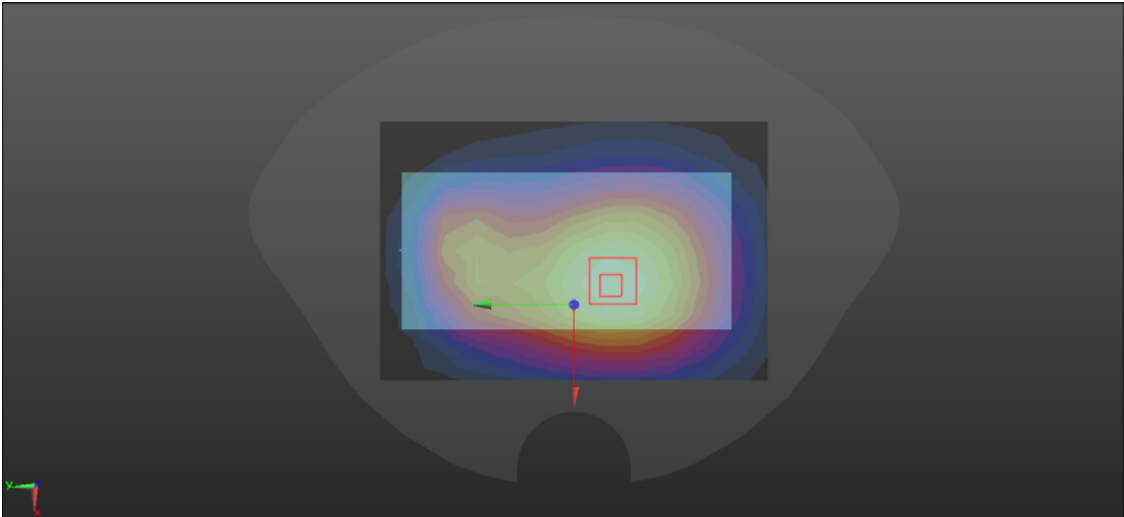
WCDMA Band IV

Head	Left cheek
<p>Communication System: UID 0, wcdma bandIV (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: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1732.4 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC WCDMA B4/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.0999 W/kg</p> <p>LEFT HEAD/LC WCDMA B4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 4.202 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 0.140 W/kg SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.061 W/kg Maximum value of SAR (measured) = 0.110 W/kg</p>	
	

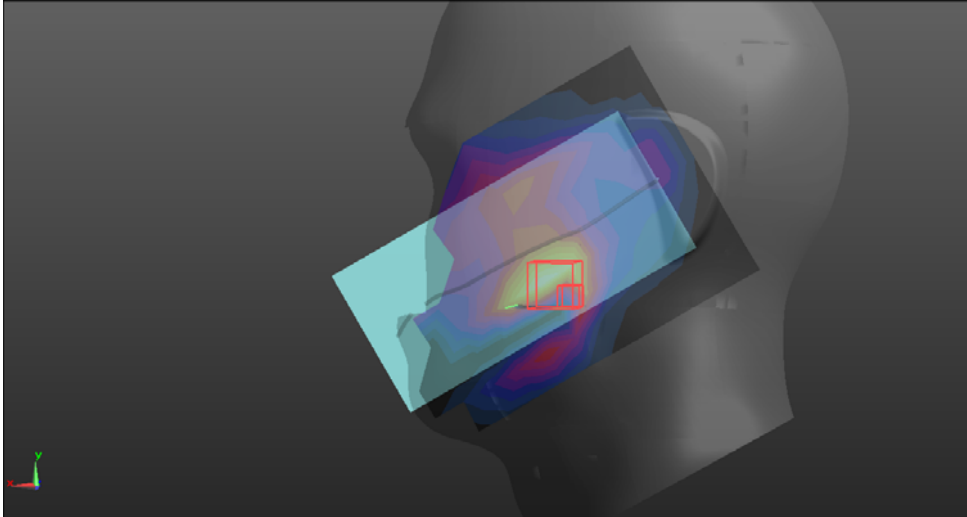
Body-worn& Hotspot	Back
<p>Communication System: UID 0, wcdma bandIV (0); Frequency: 1732.4 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1732.4 \text{ MHz}$; $\sigma = 1.375 \text{ S/m}$; $\epsilon_r = 40.07$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1732.4 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/BACK WCDMA B4/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.634 W/kg</p> <p>BODY/BACK WCDMA B4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 8.248 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 1.09 W/kg SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.353 W/kg Maximum value of SAR (measured) = 0.791 W/kg</p> 	

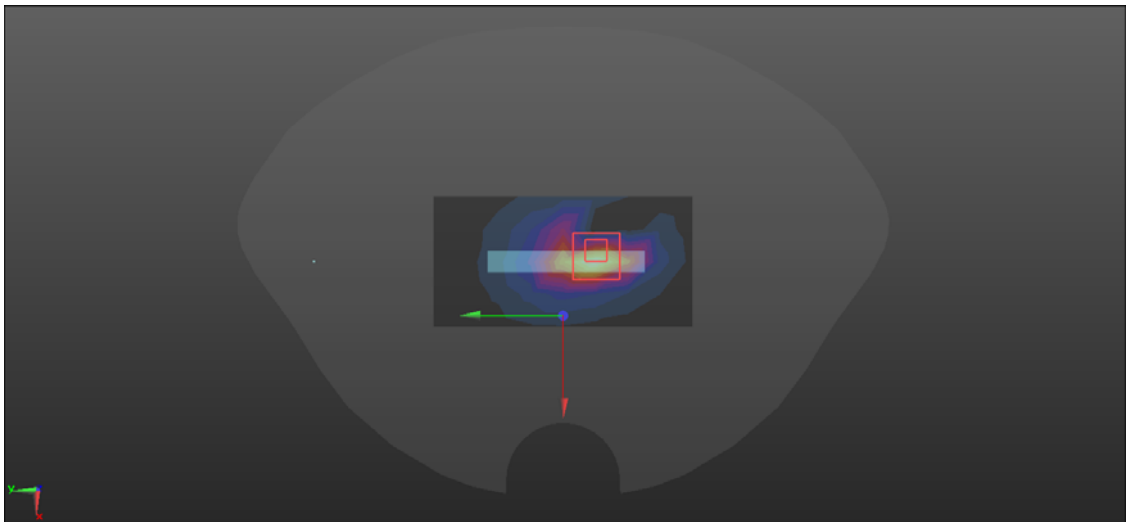
WCDMA Band V

Head	Left cheek
<p>Communication System: UID 0, WCDMA 5 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.528$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.6 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC WCDMA B5/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.196 W/kg LEFT HEAD/LC WCDMA B5/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 6.649 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 0.228 W/kg SAR(1 g) = 0.182 W/kg; SAR(10 g) = 0.137 W/kg Maximum value of SAR (measured) = 0.198 W/kg</p>	
	

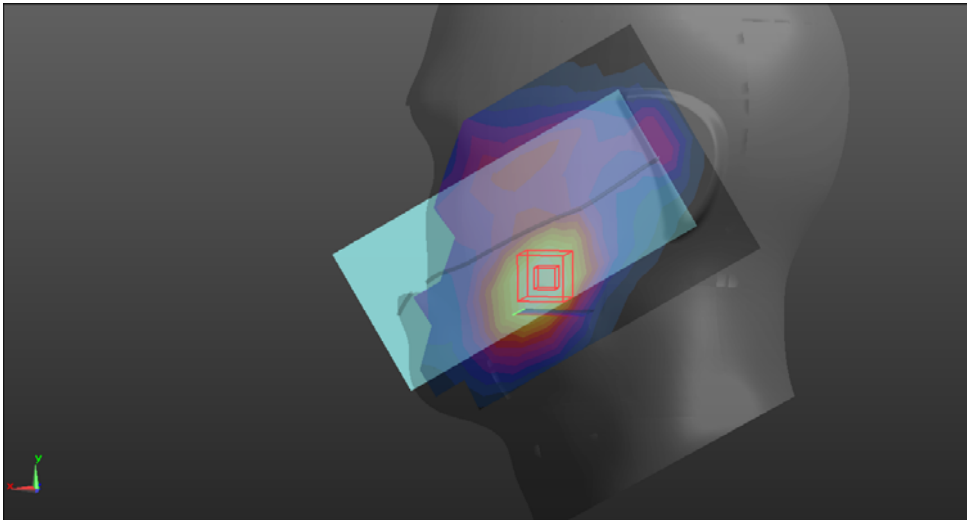
Body-worn& Hotspot	Front
<p>Communication System: UID 0, WCDMA 5 (0); Frequency: 836.6 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.6 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.528$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.6 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/FRONT WCDMA B5/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.237 W/kg BODY/FRONT WCDMA B5/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 15.42 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 0.273 W/kg SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.167 W/kg Maximum value of SAR (measured) = 0.239 W/kg</p> 	

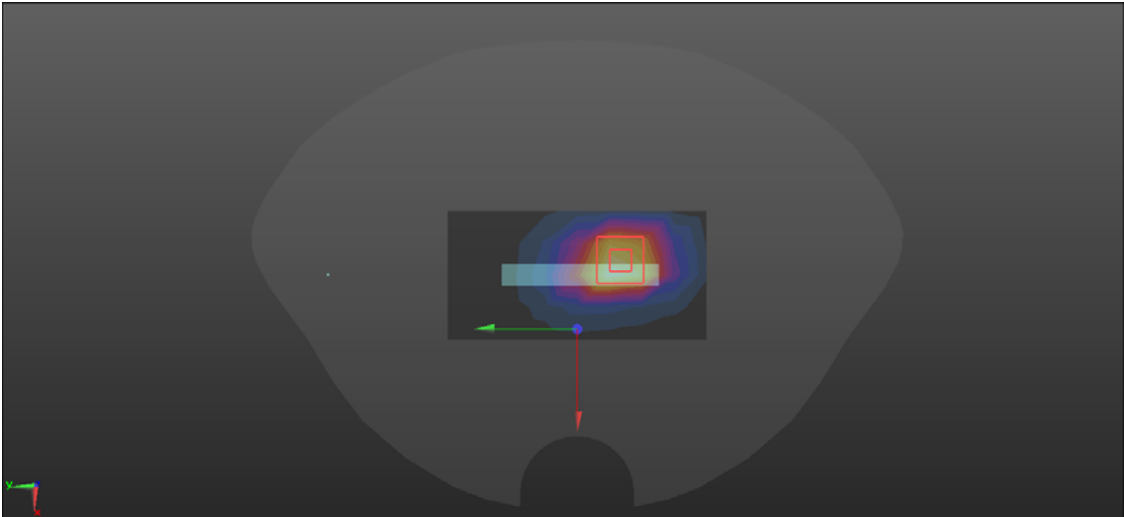
LTE Band 2

Head	Left cheek
<p>Communication System: UID 0, LTE BAND02 (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: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC LTE B2/Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.0594 W/kg</p> <p>LEFT HEAD/LC LTE B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 3.711 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 0.161 W/kg SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.00553 W/kg Maximum value of SAR (measured) = 0.0679 W/kg</p> 	

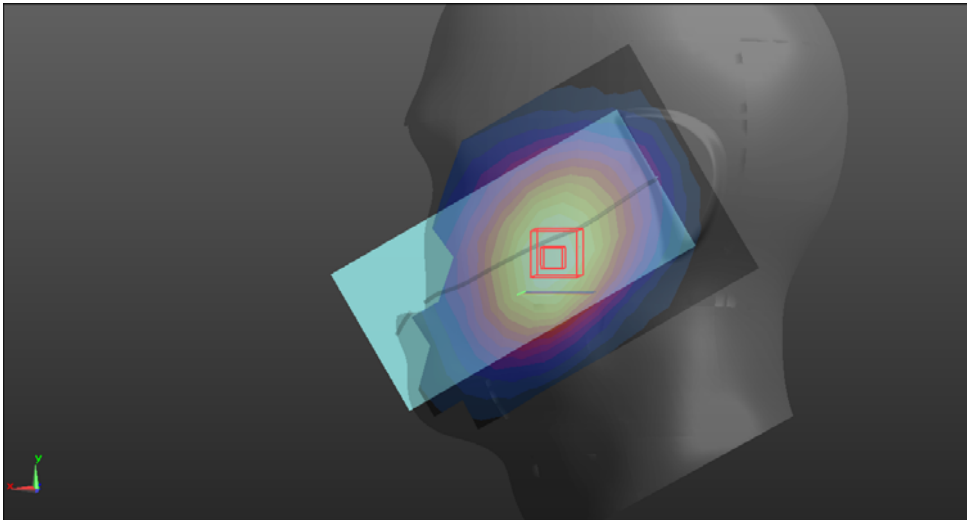
Hotspot	Bottom
<p>Communication System: UID 0, LTE BAND02 (0); Frequency: 1880 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1880 \text{ MHz}$; $\sigma = 1.4 \text{ S/m}$; $\epsilon_r = 40$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1880 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>HOTSPOT/BOTTOM LTE B2/Area Scan (5x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.689 W/kg</p> <p>HOTSPOT/BOTTOM LTE B2/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 19.05 V/m; Power Drift = 0.10 dB Peak SAR (extrapolated) = 1.10 W/kg SAR(1 g) = 0.659 W/kg; SAR(10 g) = 0.347 W/kg Maximum value of SAR (measured) = 0.808 W/kg</p> 	

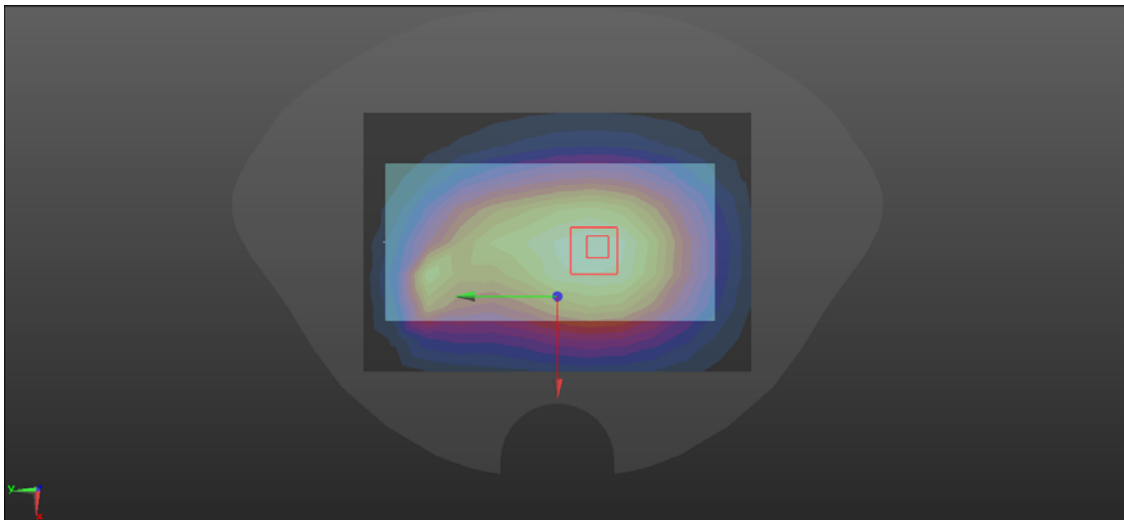
LTE Band 4

Head	Left cheek
<p>Communication System: UID 0, LTE BAND4 (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1732.5 \text{ MHz}$; $\sigma = 1.375 \text{ S/m}$; $\epsilon_r = 40.07$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1732.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC LTE B4/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.0951 W/kg</p> <p>LEFT HEAD/LC LTE B4/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 5.307 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 0.146 W/kg SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.065 W/kg Maximum value of SAR (measured) = 0.116 W/kg</p> 	

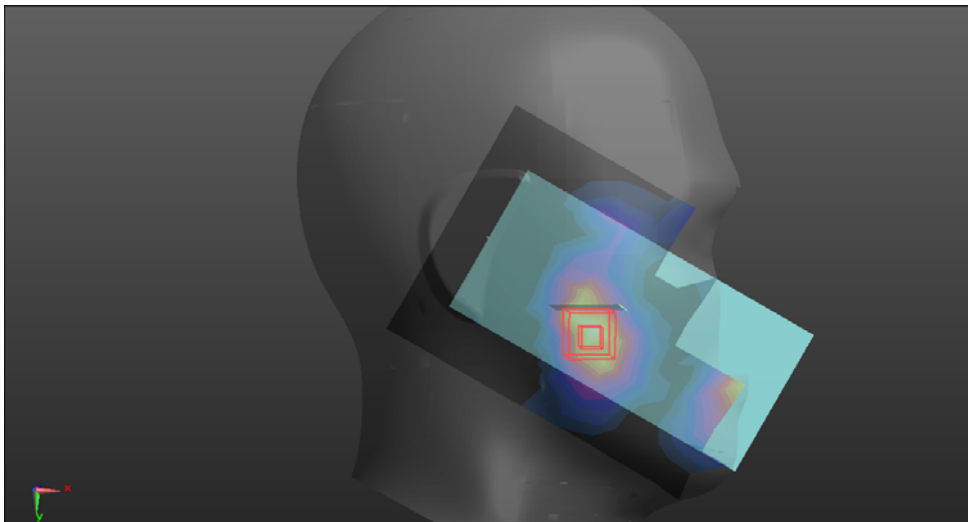
Hotspot	Bottom
<p>Communication System: UID 0, LTE BAND4 (0); Frequency: 1745 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 1745 \text{ MHz}$; $\sigma = 1.383 \text{ S/m}$; $\epsilon_r = 40.047$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(5.1, 5.1, 5.1) @ 1745 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>HOTSPOT/BOTTOM LTE B4 HIGH/Area Scan (5x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.801 W/kg</p> <p>HOTSPOT/BOTTOM LTE B4 HIGH/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 18.87 V/m; Power Drift = 0.11 dB Peak SAR (extrapolated) = 1.46 W/kg SAR(1 g) = 0.883 W/kg; SAR(10 g) = 0.480 W/kg Maximum value of SAR (measured) = 1.09 W/kg</p> 	

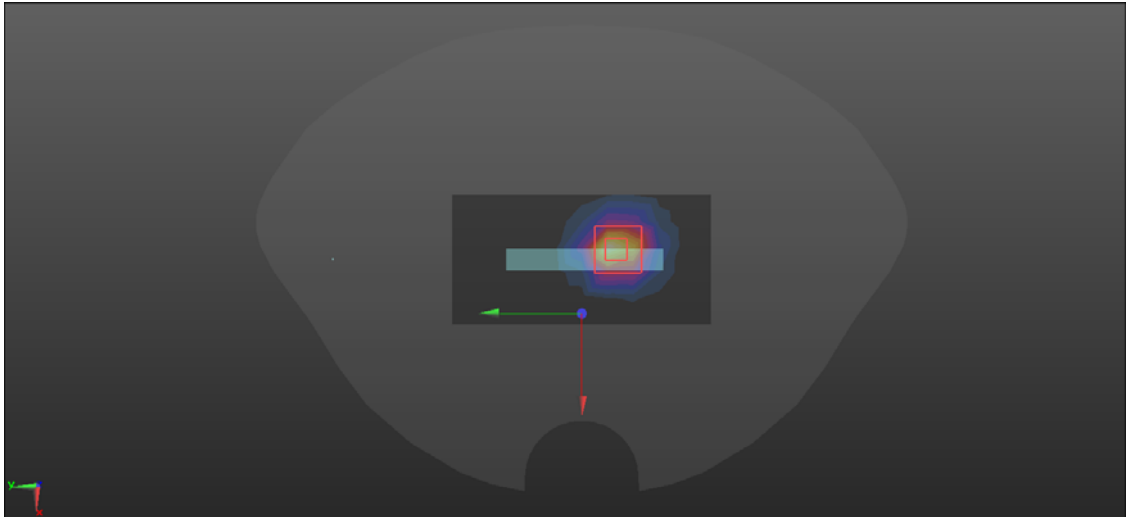
LTE Band 5

Head	Left cheek
<p>Communication System: UID 0, LTE BAND05 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.5 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.528$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC LTE B5/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.193 W/kg LEFT HEAD/LC LTE B5/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 8.812 V/m; Power Drift = 0.09 dB Peak SAR (extrapolated) = 0.227 W/kg SAR(1 g) = 0.186 W/kg; SAR(10 g) = 0.144 W/kg Maximum value of SAR (measured) = 0.203 W/kg</p> 	

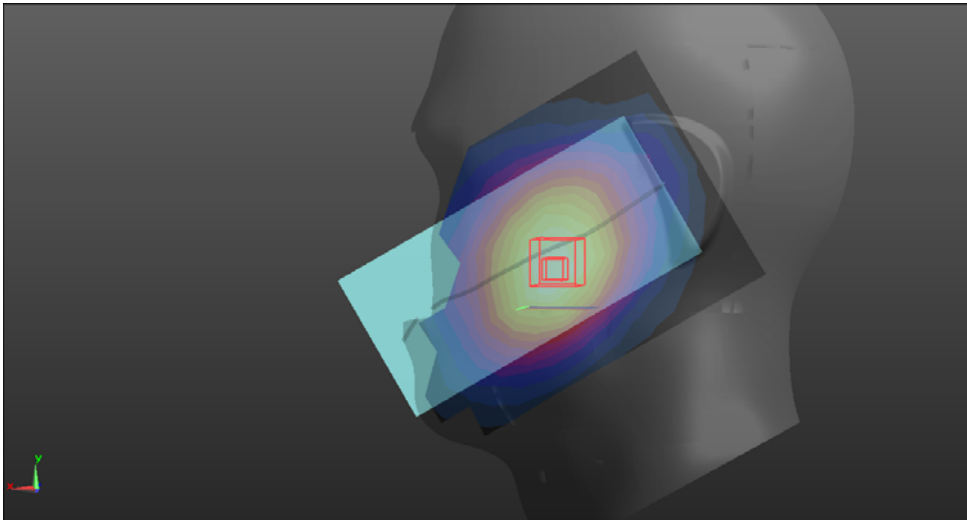
Body-worn& Hotspot	Back
<p>Communication System: UID 0, LTE BAND05 (0); Frequency: 836.5 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 836.5 \text{ MHz}$; $\sigma = 0.905 \text{ S/m}$; $\epsilon_r = 41.528$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.2, 6.2, 6.2) @ 836.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/BACK LTE B5/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.355 W/kg</p> <p>BODY/BACK LTE B5/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 19.86 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 0.423 W/kg SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.260 W/kg Maximum value of SAR (measured) = 0.372 W/kg</p> 	

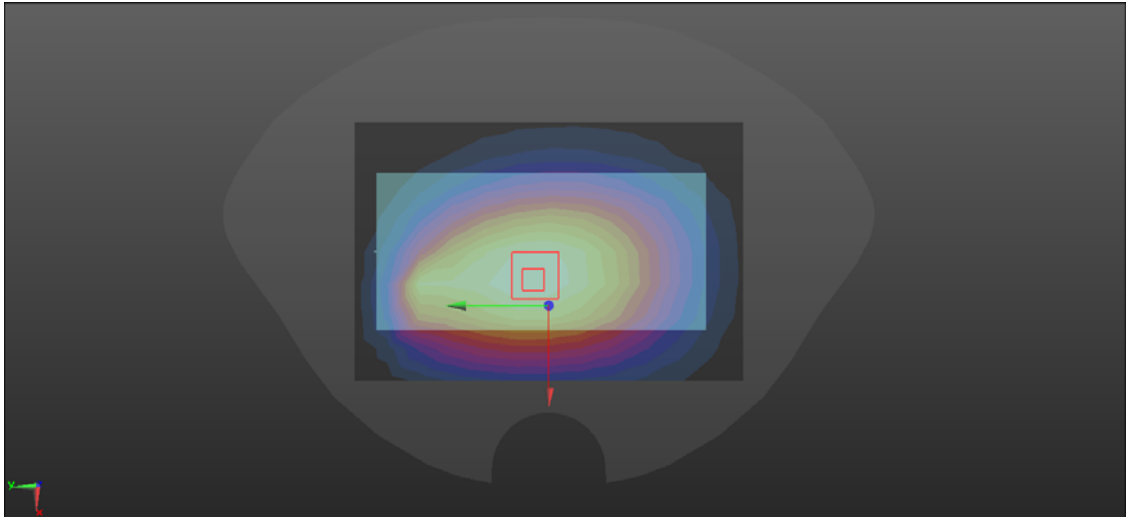
LTE Band 7

Head	Right cheek
<p>Communication System: UID 0, LTE BAND07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2535 \text{ MHz}$; $\sigma = 1.888 \text{ S/m}$; $\epsilon_r = 39.084$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Right Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.32, 4.32, 4.32) @ 2535 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>RIGHT HEAD/RC LTE B7 1%RB/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 0.0124 W/kg</p> <p>RIGHT HEAD/RC LTE B7 1%RB/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 0.3810 V/m; Power Drift = 0.17 dB Peak SAR (extrapolated) = 0.0170 W/kg SAR(1 g) = 0.00886 W/kg; SAR(10 g) = 0.0034 W/kg Maximum value of SAR (measured) = 0.0122 W/kg</p> 	

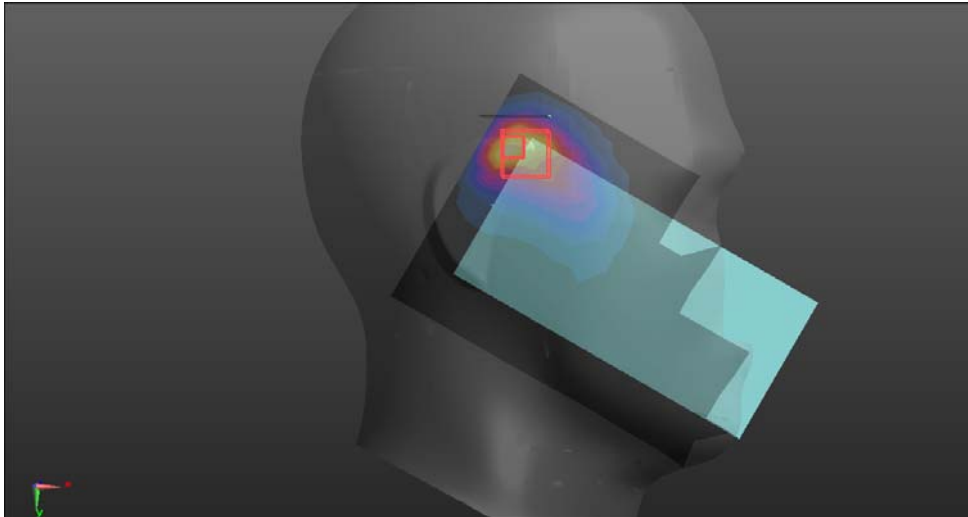
Hotspot	Bottom
<p>Communication System: UID 0, LTE BAND07 (0); Frequency: 2535 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2535 \text{ MHz}$; $\sigma = 1.888 \text{ S/m}$; $\epsilon_r = 39.084$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.32, 4.32, 4.32) @ 2535 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>HOTSPOT/BOTTOM LTE B7/Area Scan (6x11x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$ Maximum value of SAR (measured) = 1.19 W/kg HOTSPOT/BOTTOM LTE B7/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 13.75 V/m; Power Drift = 0.10 dB Peak SAR (extrapolated) = 1.99 W/kg SAR(1 g) = 0.995 W/kg; SAR(10 g) = 0.451 W/kg Maximum value of SAR (measured) = 1.28 W/kg</p> 	

LTE Band 12

Head	Left cheek
<p>Communication System: UID 0, LTE BAND12 (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: Left Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.34, 6.34, 6.34) @ 707.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>LEFT HEAD/LC LTE B12/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.100 W/kg</p> <p>LEFT HEAD/LC LTE B12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 5.914 V/m; Power Drift = 0.14 dB Peak SAR (extrapolated) = 0.116 W/kg SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.075 W/kg Maximum value of SAR (measured) = 0.105 W/kg</p> 	

Body-worn& Hotspot	Back
<p>Communication System: UID 0, LTE BAND12 (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</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(6.34, 6.34, 6.34) @ 707.5 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>BODY/BACK LTE B12/Area Scan (9x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.240 W/kg BODY/BACK LTE B12/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 16.65 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 0.287 W/kg SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.170 W/kg Maximum value of SAR (measured) = 0.251 W/kg</p> 	

WIFI 2.4GHz

Head	Right cheek
<p>Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.788 \text{ S/m}$; $\epsilon_r = 39.219$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Right Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.5, 4.5, 4.5) @ 2437 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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>RIGHT HEAD/RC WIFI2,4G 11B TX=15/Area Scan (11x16x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 0.984 W/kg RIGHT HEAD/RC WIFI2,4G 11B TX=15/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 10.00 V/m; Power Drift = 0.13 dB Peak SAR (extrapolated) = 1.67 W/kg SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.371 W/kg Maximum value of SAR (measured) = 0.895 W/kg</p> 	

Hotspot	Left
<p>Communication System: UID 0, WIFI 2.4GHz (0); Frequency: 2437 MHz;Duty Cycle: 1:1 Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.788 \text{ S/m}$; $\epsilon_r = 39.219$; $\rho = 1000 \text{ kg/m}^3$ Phantom section: Flat Section</p> <p>DASY5 Configuration:</p> <ul style="list-style-type: none"> Probe: ES3DV3 - SN3127; ConvF(4.5, 4.5, 4.5) @ 2437 MHz; Calibrated: 8/27/2019 Sensor-Surface: 3mm (Mechanical Surface Detection) Electronics: DAE4 Sn546; Calibrated: 8/28/2019 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/LEFT WIFI2.4G 11B/Area Scan (6x16x1): Measurement grid: dx=12mm, dy=12mm Maximum value of SAR (measured) = 0.303 W/kg</p> <p>Configuration/LEFT WIFI2.4G 11B/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm Reference Value = 12.58 V/m; Power Drift = -0.06 dB Peak SAR (extrapolated) = 0.492 W/kg SAR(1 g) = 0.268 W/kg; SAR(10 g) = 0.143 W/kg Maximum value of SAR (measured) = 0.337 W/kg</p> 