

Appendix B: SAR Measurement results Plots

| Plot | Frequency/Mode | Testing Position and Channel | Test Date |
|------|-------------------|------------------------------|------------|
| 1 | GSM850 | Right Cheek Middle | 2019/12/16 |
| 2 | GSM850/GPRS4Tx | Body Back, Middle ,10mm | 2019/12/16 |
| 3 | GSM1900 | Left Cheek Middle | 2019/12/18 |
| 4 | GSM1900/GPRS4Tx | Edge C, Middle ,10mm | 2019/12/18 |
| 5 | WCDMA1900 | Left Cheek Middle | 2019/12/18 |
| 6 | WCDMA1900 | Edge C, Middle ,10mm | 2019/12/18 |
| 7 | WCDMA1700 | Left Cheek Low | 2019/12/17 |
| 8 | WCDMA1700 | Edge C, Low ,10mm | 2019/12/17 |
| 9 | WCDMA850 | Right Cheek Middle | 2019/12/16 |
| 10 | WCDMA850 | Body Back, Middle ,10mm | 2019/12/16 |
| 11 | LTE Band2 | Left Cheek Middle | 2019/12/18 |
| 12 | LTE Band2 | Edge C, Middle ,10mm | 2019/12/18 |
| 13 | LTE Band4 | Left Cheek Middle | 2019/12/17 |
| 14 | LTE Band4 | Edge C, Middle ,10mm | 2019/12/17 |
| 15 | LTE Band5 | Right Cheek Middle | 2019/12/16 |
| 16 | LTE Band5 | Body Back, Middle ,10mm | 2019/12/16 |
| 17 | LTE Band7 | Left Cheek Middle | 2019/12/20 |
| 18 | LTE Band7 | Body Back, Middle ,15mm | 2019/12/20 |
| 19 | LTE Band26 | Right Cheek Middle | 2019/12/16 |
| 20 | LTE Band26 | Body Back, Middle ,10mm | 2019/12/16 |
| 21 | LTE Band66 | Left Cheek Middle | 2019/12/17 |
| 22 | LTE Band66 | Body Back, Middle ,10mm | 2019/12/17 |
| 23 | WIFI 2.4G 802.11b | Left Cheek Middle | 2019/12/19 |
| 24 | WIFI 2.4G 802.11b | Body Face, Middle ,15mm | 2019/12/19 |
| 25 | WIFI 5G 802.11a | Left Cheek Middle | 2019/12/21 |
| 26 | WIFI 5G 802.11a | Body Face, Middle ,15mm | 2019/12/21 |

Plot 1: GSM850, Right Cheek, Middle

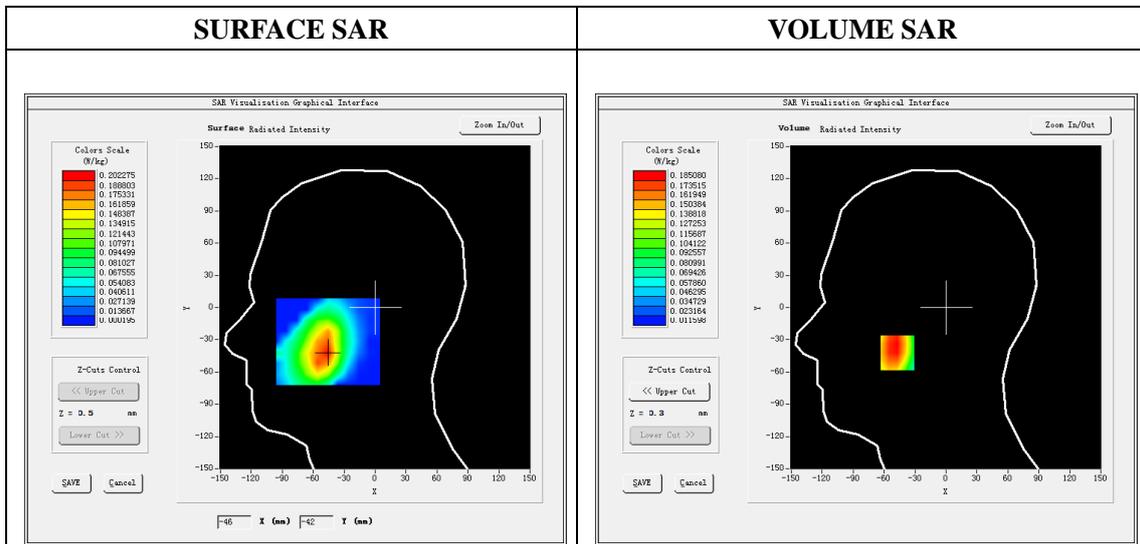
Type: Phone measurement
 Date of measurement: 12/16/2019
 Measurement duration: 22 minutes 03 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Right Cheek |
| Band | GSM850 |
| Channels | 190 |
| Signal | GSM (Duty cycle: 1:8.3) |

B. SAR Measurement Results

| | |
|---|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.6 |
| Relative permittivity (real part) | 41.58 |
| Relative permittivity (imaginary part) | 20.05 |
| Conductivity (S/m) | 0.93 |
| Variation (%) | -3.32 |
| ConvF: | 1.92 |

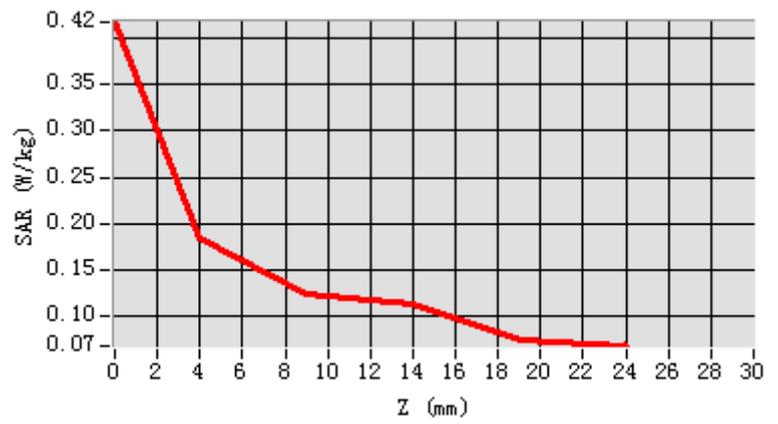


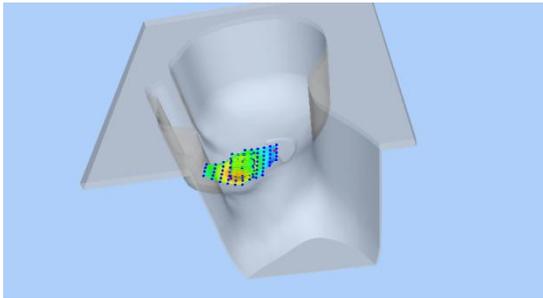
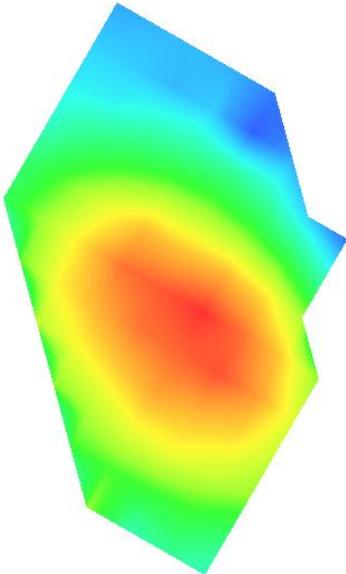
Maximum location: X=-47.00, Y=-42.00

SAR Peak: 0.23W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.130380 |
| SAR 1g (W/Kg) | 0.180190 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.4179 | 0.1851 | 0.1231 | 0.1125 | 0.0727 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 2: GPRS850, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 12/16/2019

Measurement duration: 22 minutes 01 seconds

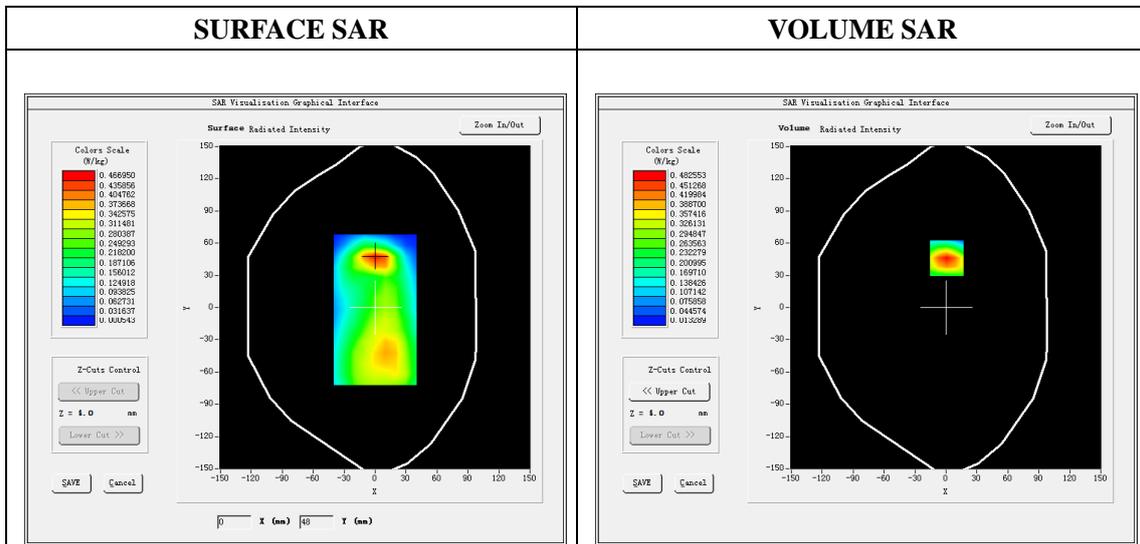
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | GSPRS850_4Tx |
| Channels | 190 |
| Signal | GPRS(Duty cycle: 1:2) |

B. SAR Measurement Results

| | |
|---|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.6 |
| Relative permittivity (real part) | 55.28 |
| Relative permittivity (imaginary part) | 21.34 |
| Conductivity (S/m) | 0.99 |
| Variation (%) | -4.05 |
| ConvF: | 1.99 |

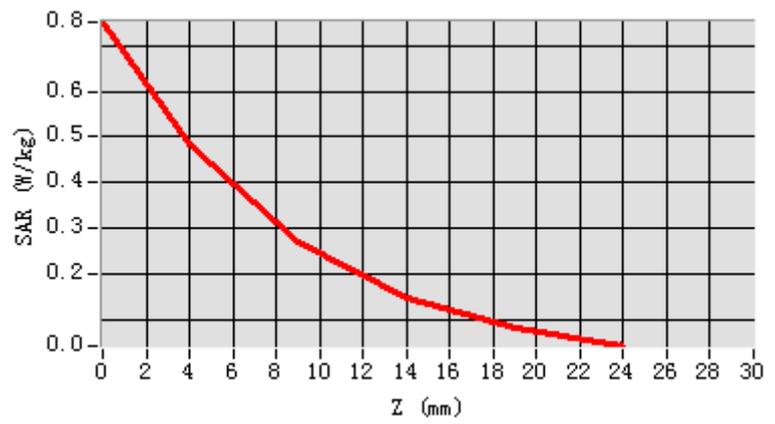


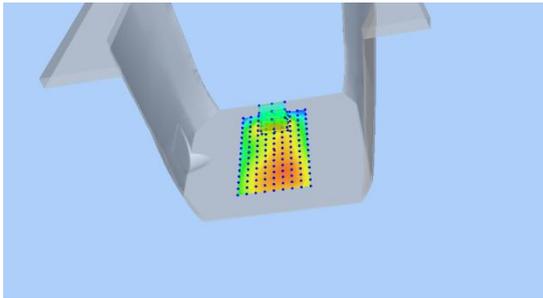
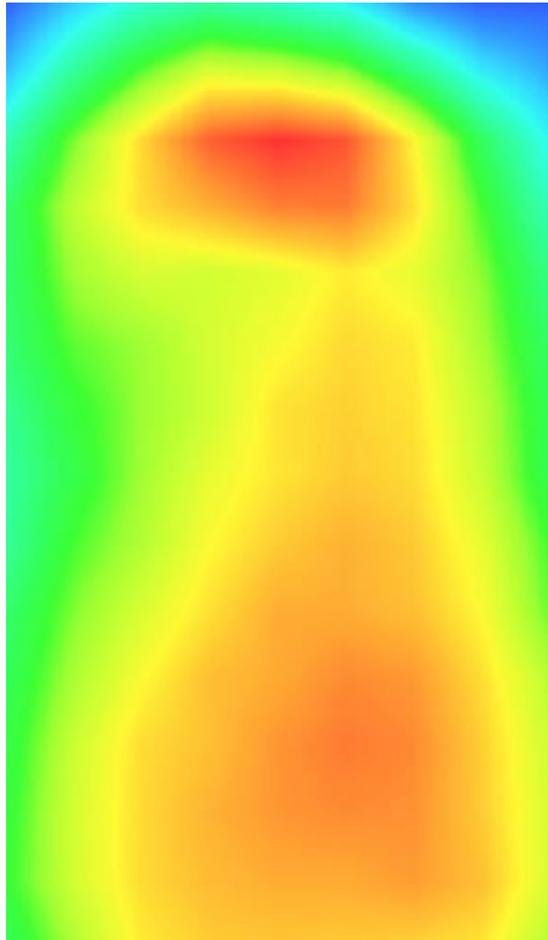
Maximum location: X=1.00, Y=46.00

SAR Peak: 0.76 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.241784 |
| SAR 1g (W/Kg) | 0.458527 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.7518 | 0.4826 | 0.2682 | 0.1471 | 0.0815 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 3: GSM1900, Left Cheek, Middle

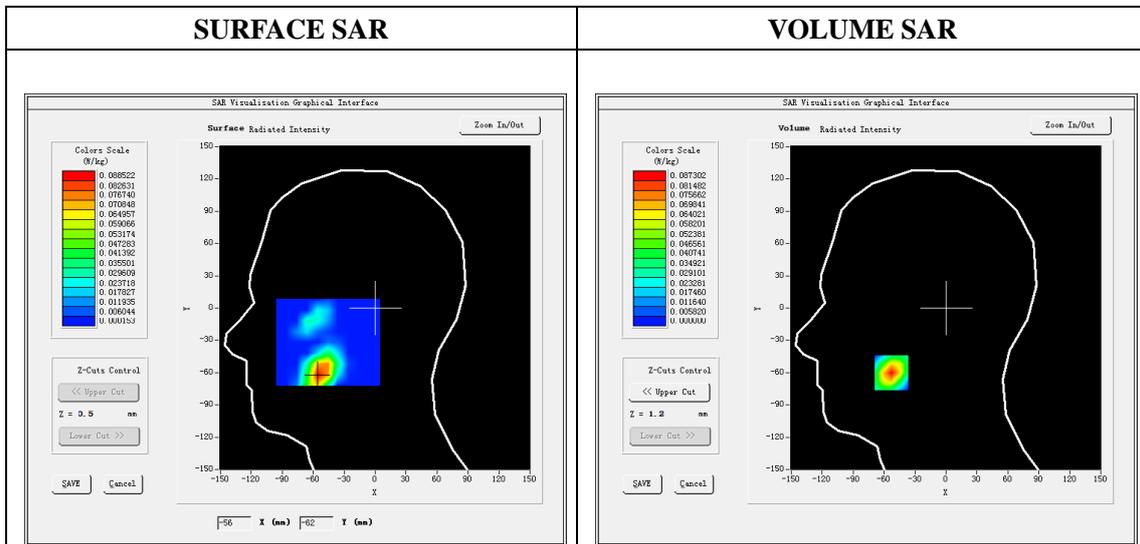
Type: Phone measurement
 Date of measurement: 12/18/2019
 Measurement duration: 22 minutes 04 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| Zoom Scan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | GSM1900 |
| Channels | 661 |
| Signal | GSM (Duty cycle: 1:8.3) |

B. SAR Measurement Results

| | |
|---|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 40.39 |
| Relative permittivity (imaginary part) | 13.36 |
| Conductivity (S/m) | 1.41 |
| Variation (%) | 2.40 |
| ConvF: | 2.34 |

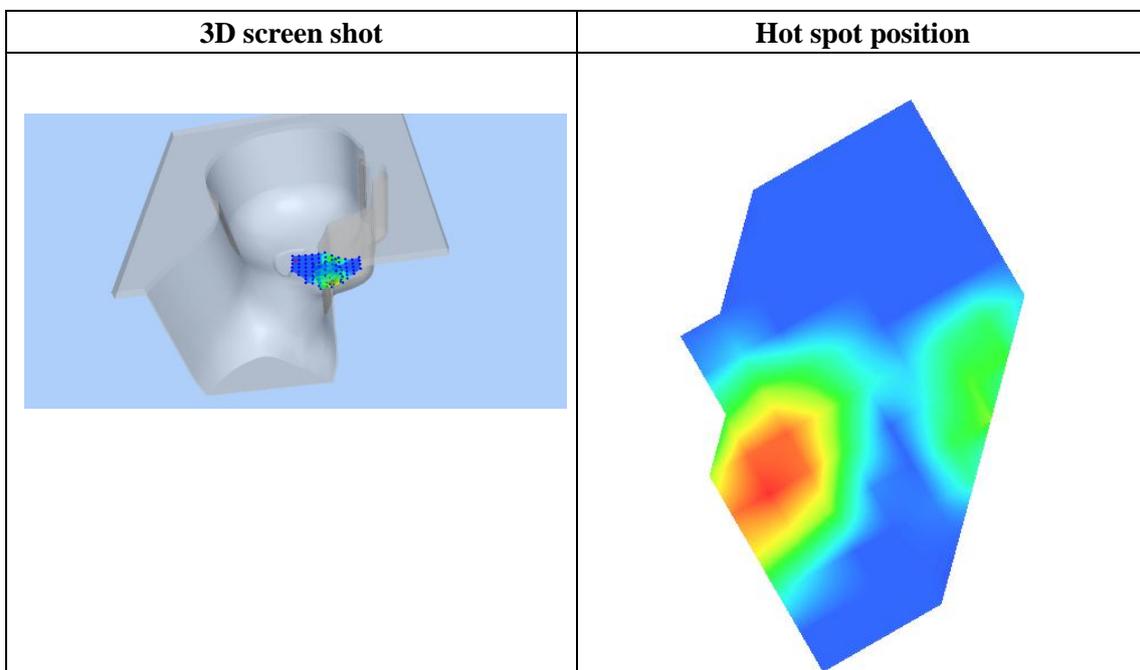
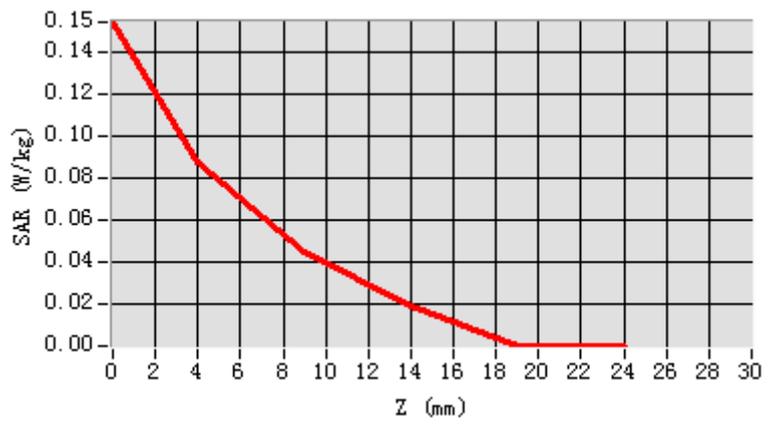


Maximum location: X=-53.00, Y=-60.00

SAR Peak: 0.14 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.035111 |
| SAR 1g (W/Kg) | 0.079227 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.1544 | 0.0873 | 0.0448 | 0.0190 | 0.0000 |



Plot 4: GPRS1900, Edge C, Middle ,10mm

Type: Phone measurement

Date of measurement: 12/18/2019

Measurement duration: 22 minutes 06 seconds

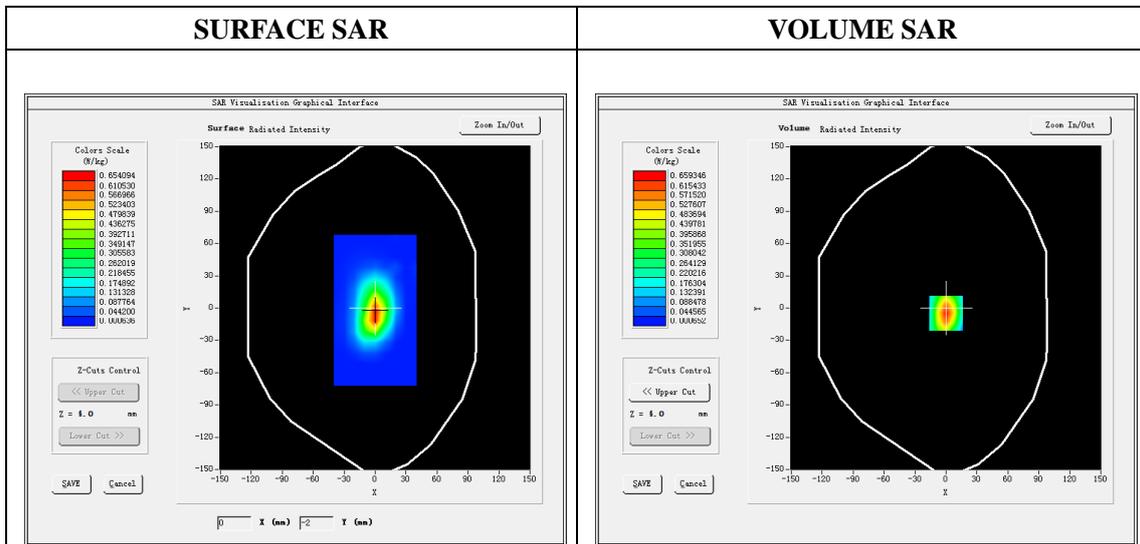
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| Zoom Scan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Edge C |
| Band | GPRS1900_4Tx |
| Channels | 661 |
| Signal | GPRS(Duty cycle: 1:2) |

B. SAR Measurement Results

| | |
|---|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 53.40 |
| Relative permittivity (imaginary part) | 14.40 |
| Conductivity (S/m) | 1.52 |
| Variation (%) | -1.60 |
| ConvF: | 2.39 |

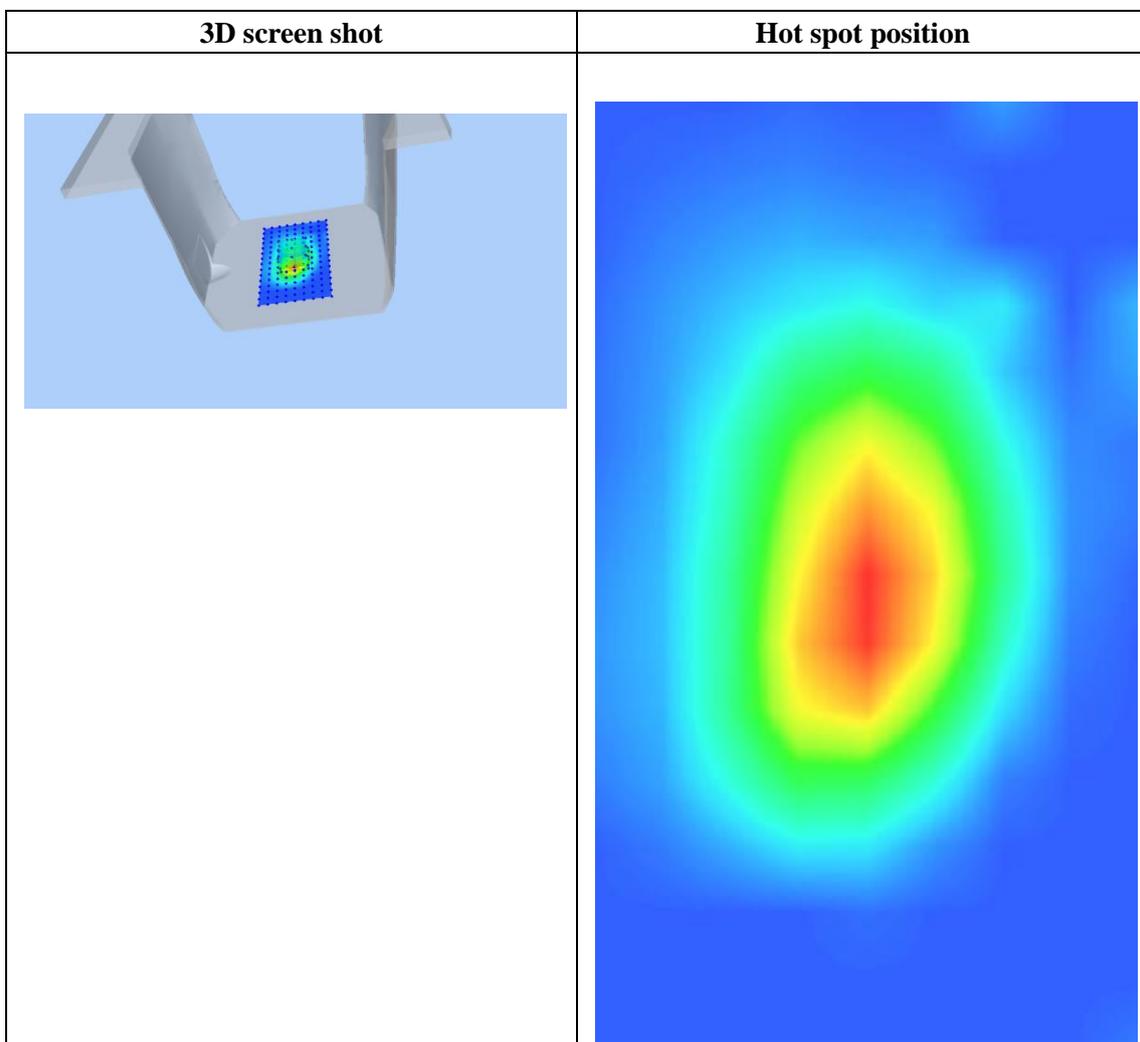
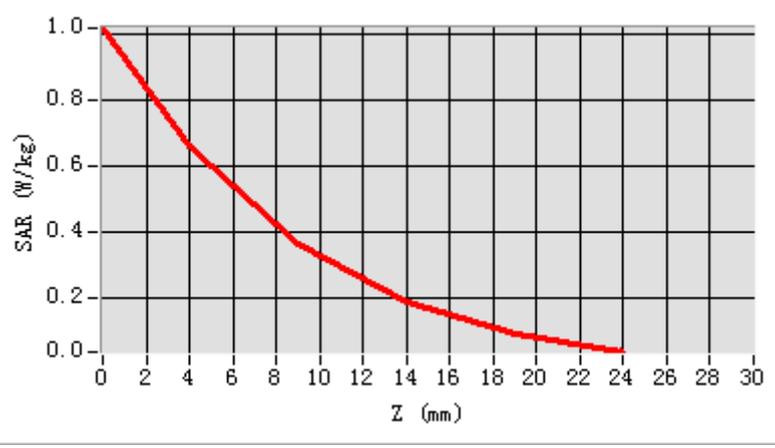


Maximum location: X=0.00, Y=-5.00

SAR Peak: 1.02W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.297429 |
| SAR 1g (W/Kg) | 0.603419 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 1.0205 | 0.6593 | 0.3640 | 0.1905 | 0.0934 |



Plot 5: WCDMA1900, Left Cheek, Middle,10mm

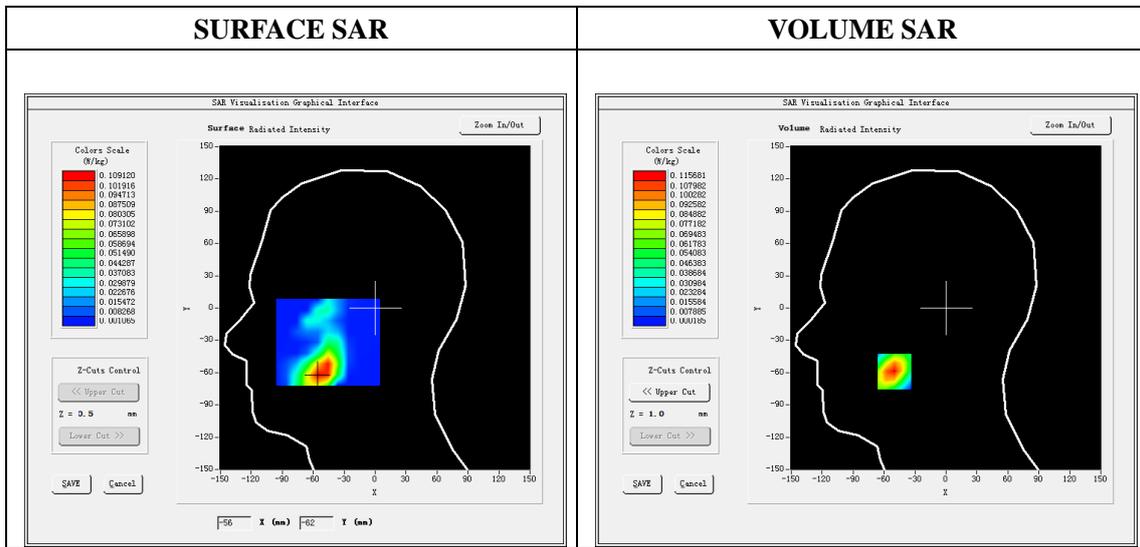
Type: Phone measurement
 Date of measurement: 12/18/2019
 Measurement duration: 22 minutes 02 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | Band2_WCDMA1900 |
| Channels | 9400 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 40.39 |
| Relative permittivity (imaginary) | 13.36 |
| Conductivity (S/m) | 1.41 |
| Variation (%) | 1.03 |
| ConvF: | 2.34 |

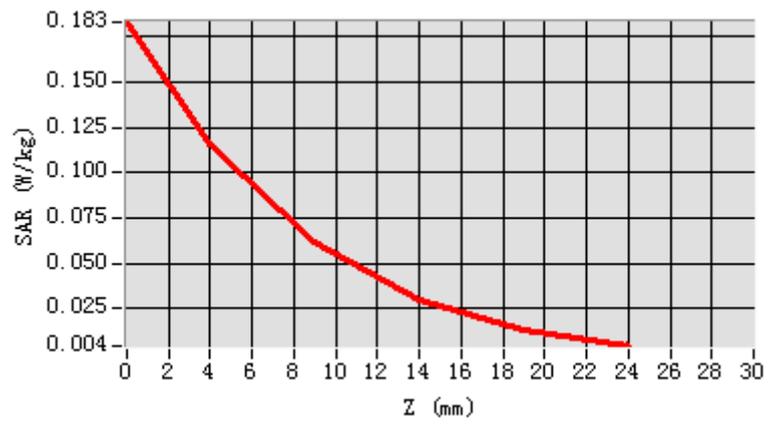


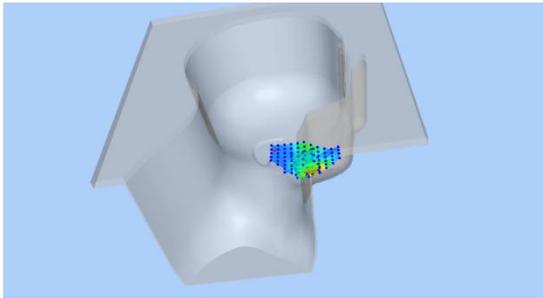
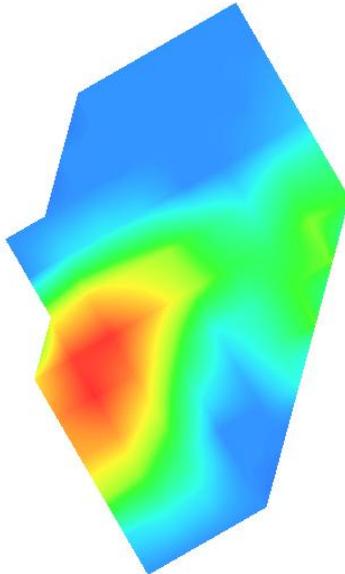
Maximum location: X=-50.00, Y=-59.00

SAR Peak: 0.18W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.052816 |
| SAR 1g (W/Kg) | 0.107497 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.1831 | 0.1157 | 0.0613 | 0.0301 | 0.0133 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 6: WCDMA1900, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 12/18/2019

Measurement duration: 22 minutes 07 seconds

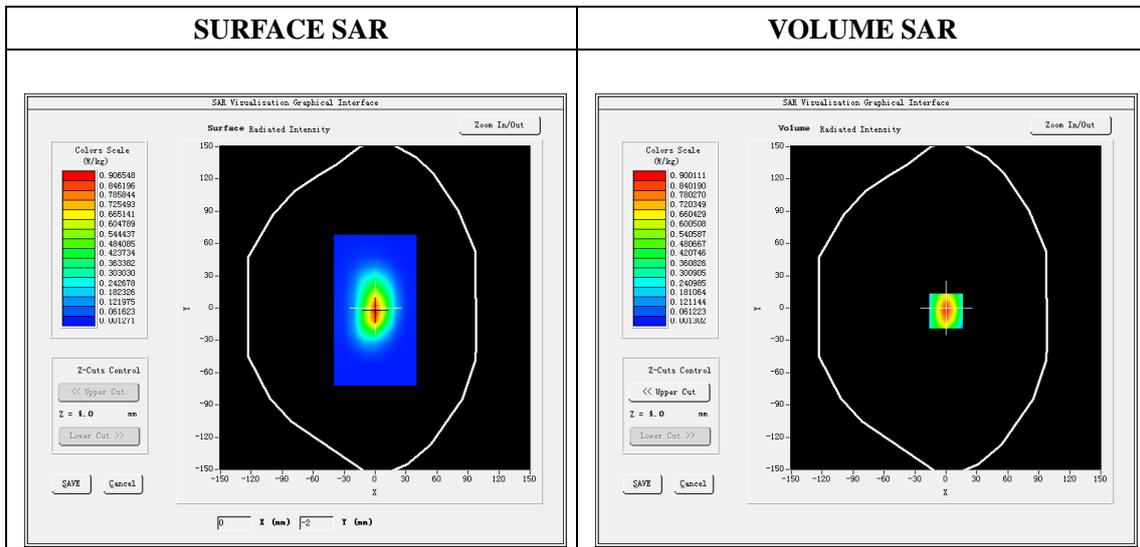
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Edge C |
| Band | Band2_WCDMA1900 |
| Channels | 9400 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 53.40 |
| Relative permittivity (imaginary) | 14.40 |
| Conductivity (S/m) | 1.52 |
| Variation (%) | -1.76 |
| ConvF: | 2.39 |

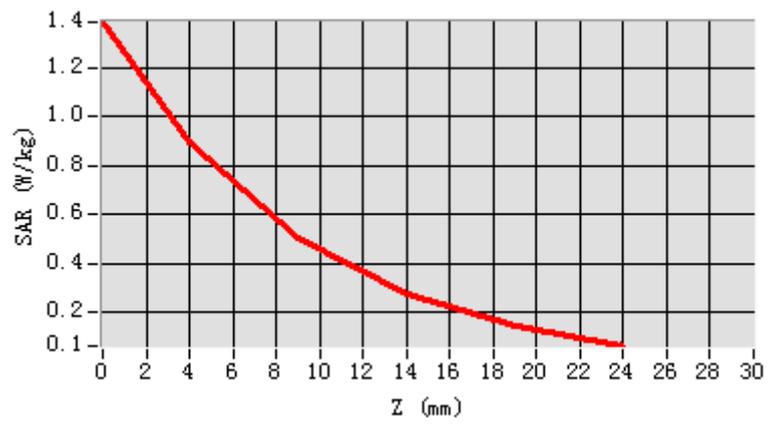


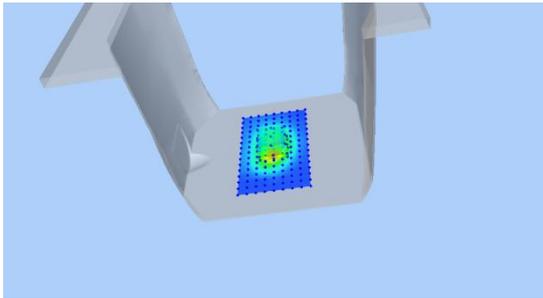
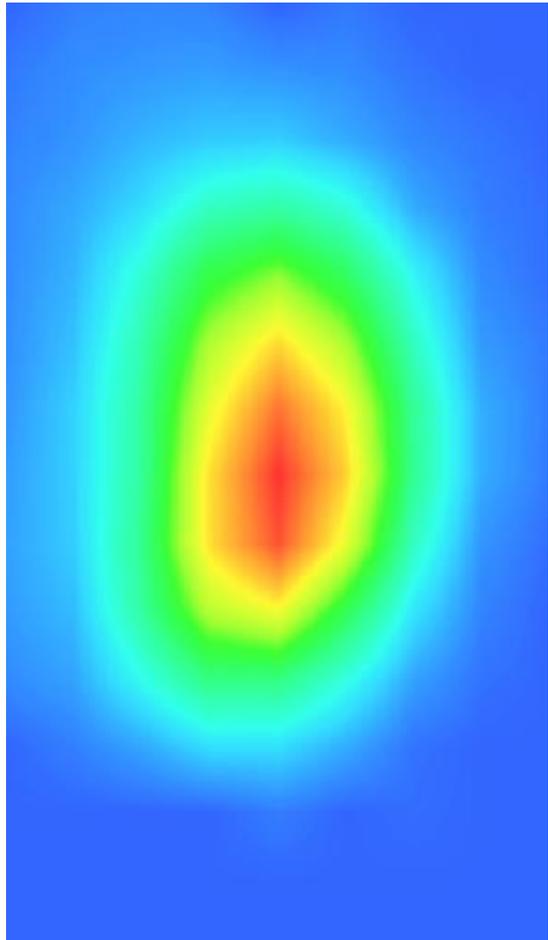
Maximum location: X=0.00, Y=-3.00

SAR Peak: 1.38W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.416689 |
| SAR 1g (W/Kg) | 0.824991 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 1.3847 | 0.9001 | 0.5049 | 0.2735 | 0.1434 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 7: WCDMA1700, Left Cheek, Low

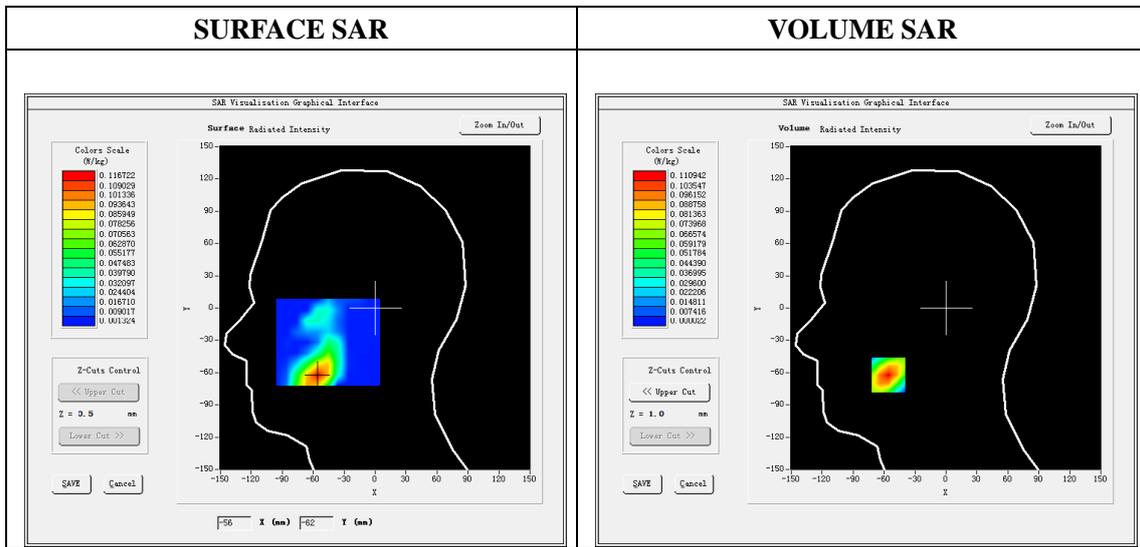
Type: Phone measurement
 Date of measurement: 12/17/2019
 Measurement duration: 22 minutes 05 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | Band2_WCDMA1700 |
| Channels | 1312 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

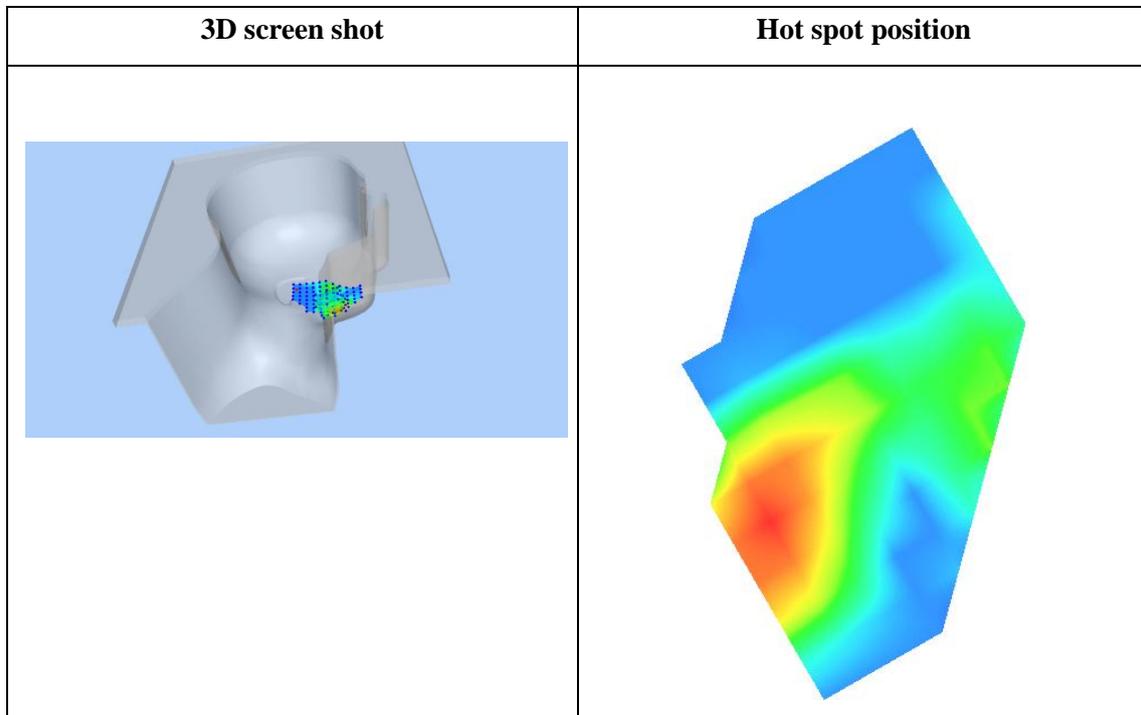
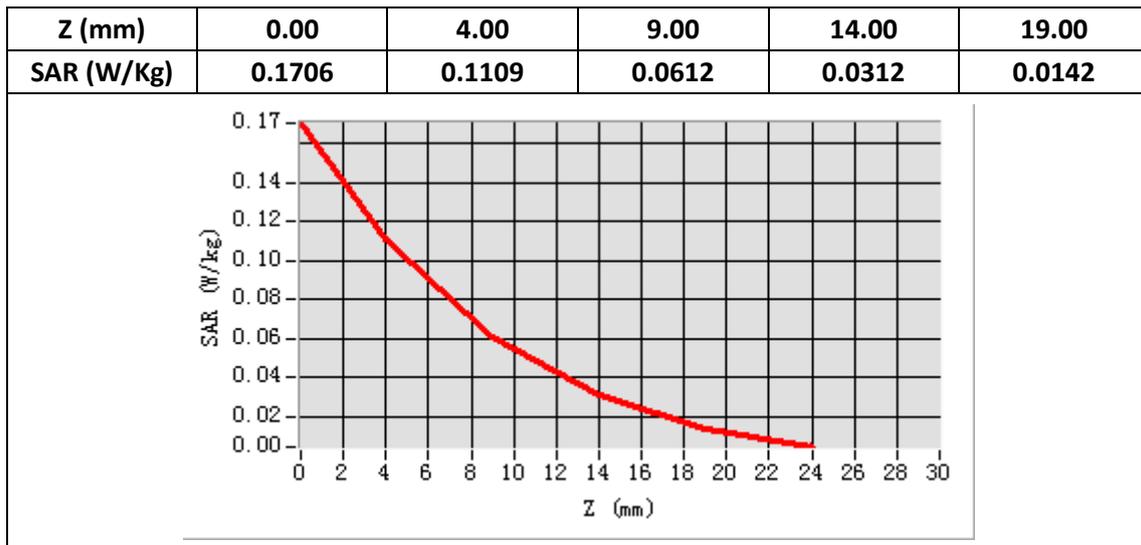
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1712.4 |
| Relative permittivity (real part) | 40.46 |
| Relative permittivity (imaginary) | 14.20 |
| Conductivity (S/m) | 1.42 |
| Variation (%) | 2.03 |
| ConvF: | 2.14 |



Maximum location: X=-56.00, Y=-62.00

SAR Peak: 0.17W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.052914 |
| SAR 1g (W/Kg) | 0.104980 |



Plot 8: WCDMA1700, Edge C, Low,10mm

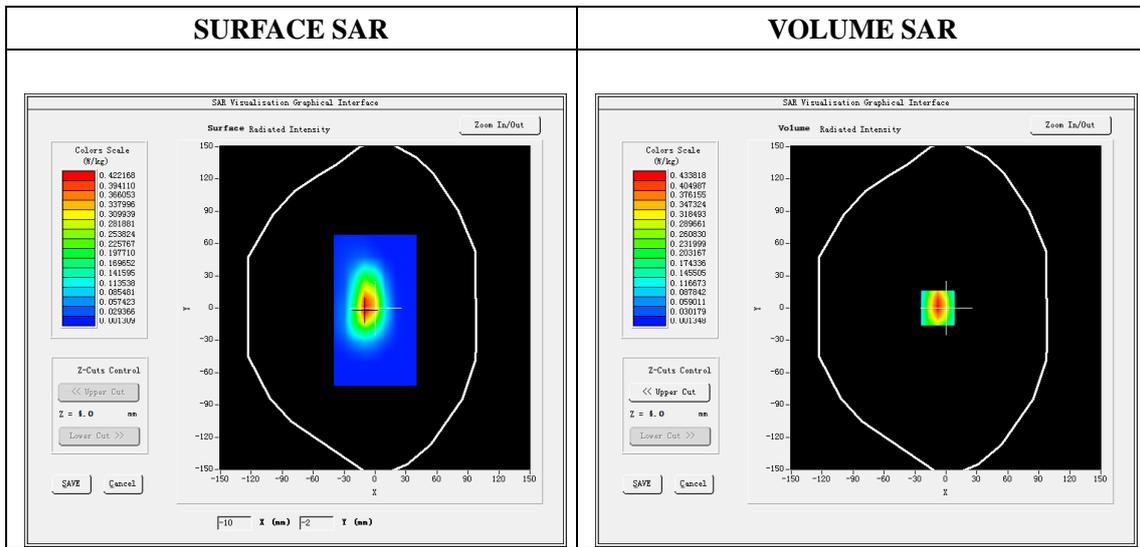
Type: Phone measurement
 Date of measurement: 12/17/2019
 Measurement duration: 22 minutes 08 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Edge C |
| Band | Band2_WCDMA1700 |
| Channels | 1312 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1712.4 |
| Relative permittivity (real part) | 53.47 |
| Relative permittivity (imaginary) | 15.30 |
| Conductivity (S/m) | 1.53 |
| Variation (%) | -1.67 |
| ConvF: | 2.22 |

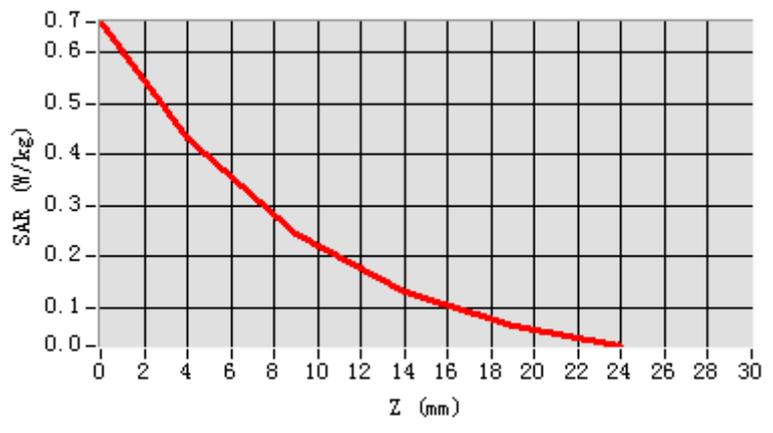


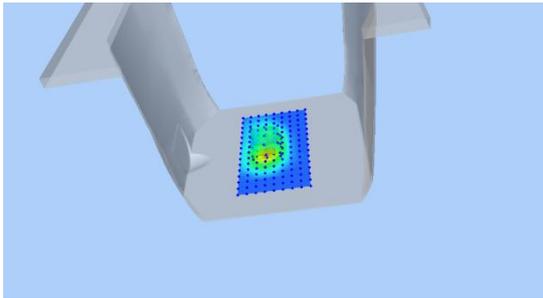
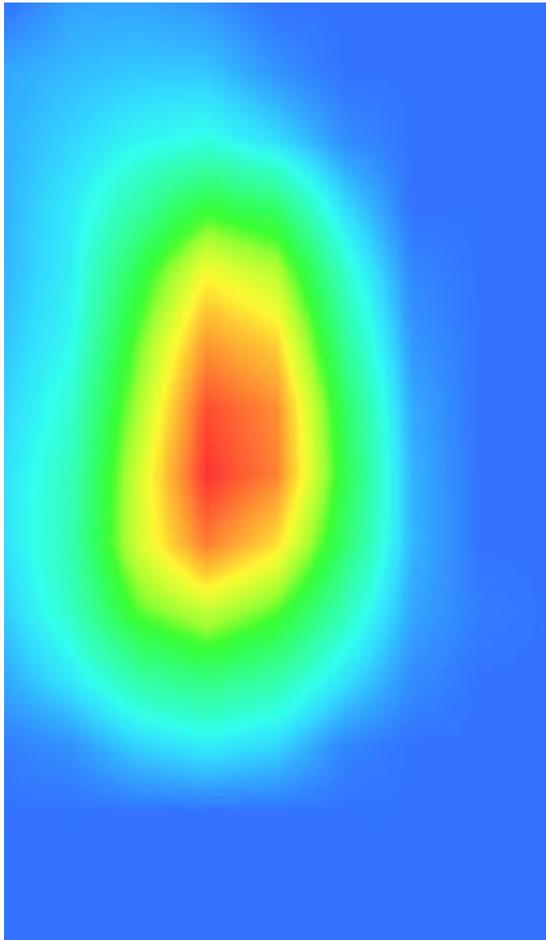
Maximum location: X=-8.00, Y=0.00

SAR Peak: 0.66W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.201501 |
| SAR 1g (W/Kg) | 0.399284 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.6586 | 0.4338 | 0.2457 | 0.1316 | 0.0653 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 9: WCDMA850, Right Cheek, Middle

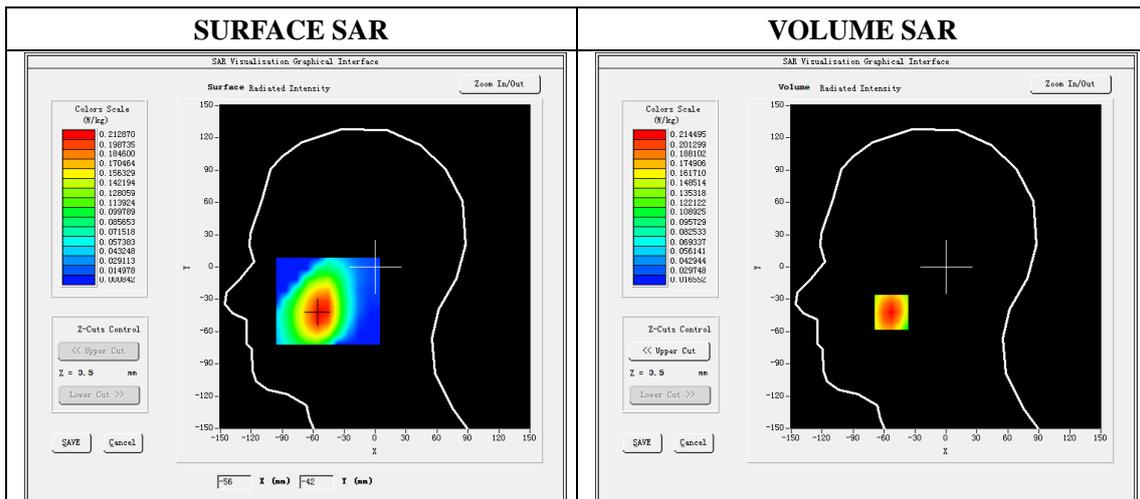
Type: Phone measurement
 Date of measurement: 12/16/2019
 Measurement duration: 22 minutes 12 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Right Cheek |
| Band | Band5_WCDMA850 |
| Channels | 4183 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

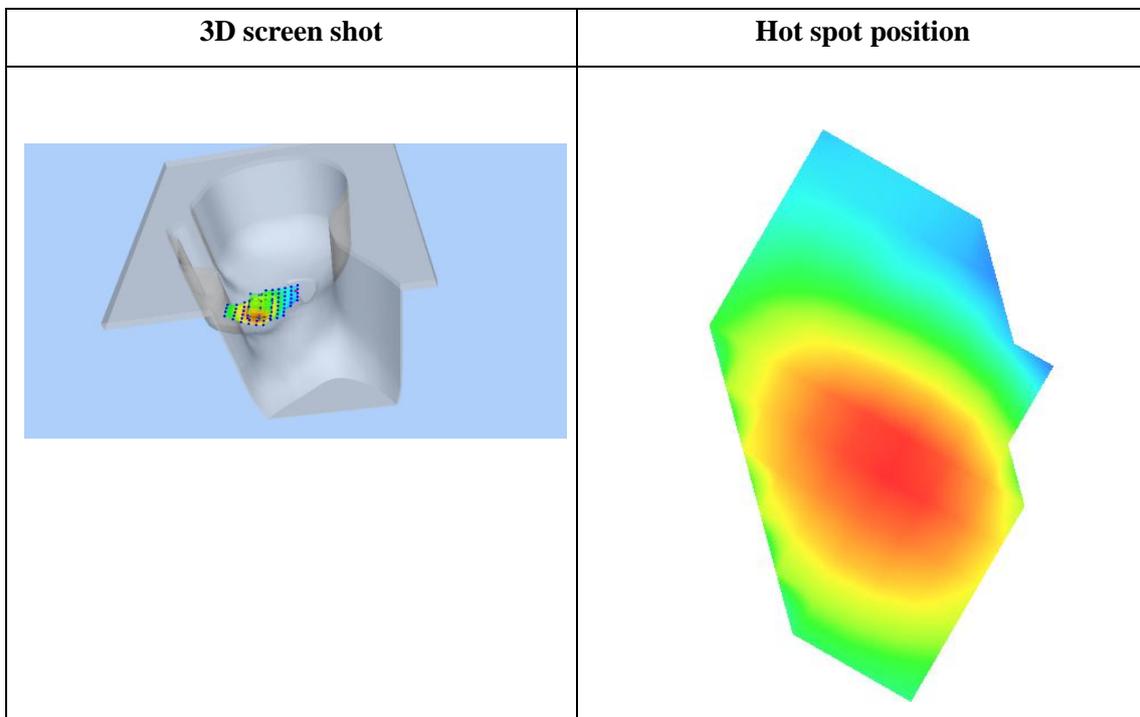
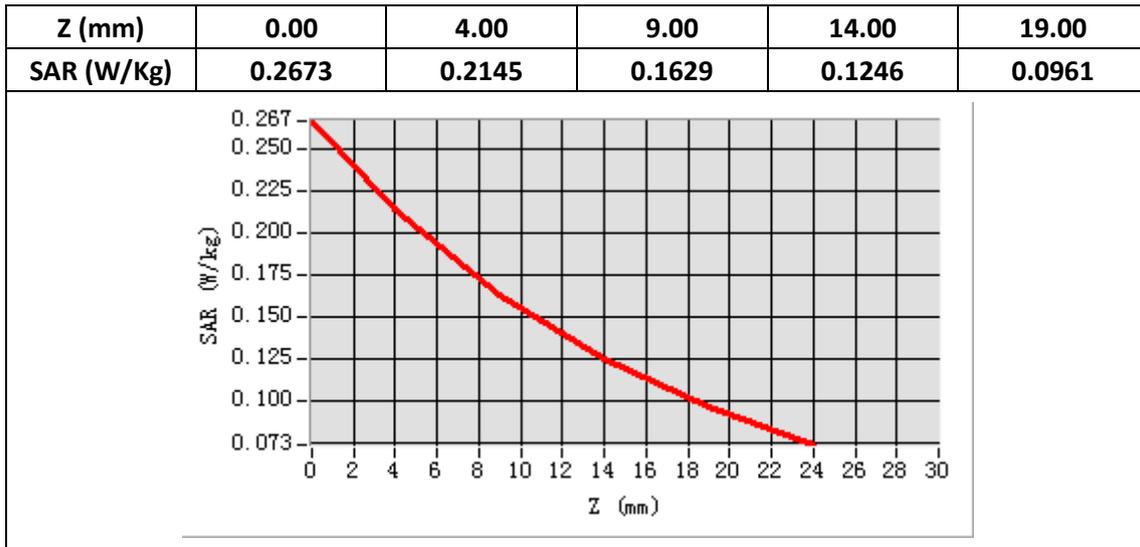
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.6 |
| Relative permittivity (real part) | 41.58 |
| Relative permittivity (imaginary) | 20.05 |
| Conductivity (S/m) | 0.93 |
| Variation (%) | -2.67 |
| ConvF: | 1.92 |



Maximum location: X=-53.00, Y=-42.00

SAR Peak: 0.27W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.146405 |
| SAR 1g (W/Kg) | 0.205415 |



Plot 10: WCDMA850, Back, Middle,10mm

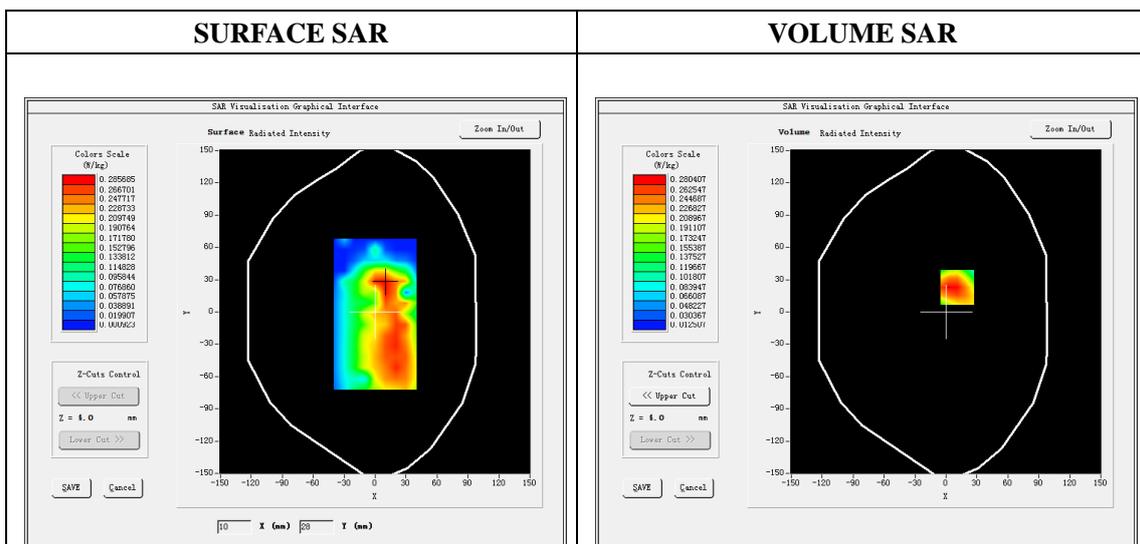
Type: Phone measurement
 Date of measurement: 12/16/2019
 Measurement duration: 22 minutes 09 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | Band5_WCDMA850 |
| Channels | 4183 |
| Signal | WCDMA (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.6 |
| Relative permittivity (real part) | 55.28 |
| Relative permittivity (imaginary) | 21.34 |
| Conductivity (S/m) | 0.99 |
| Variation (%) | 1.46 |
| ConvF: | 1.99 |

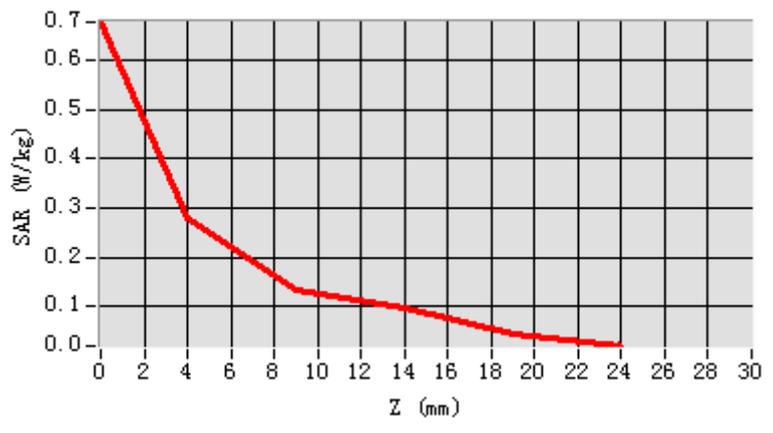


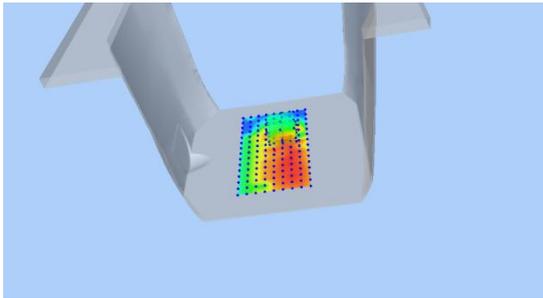
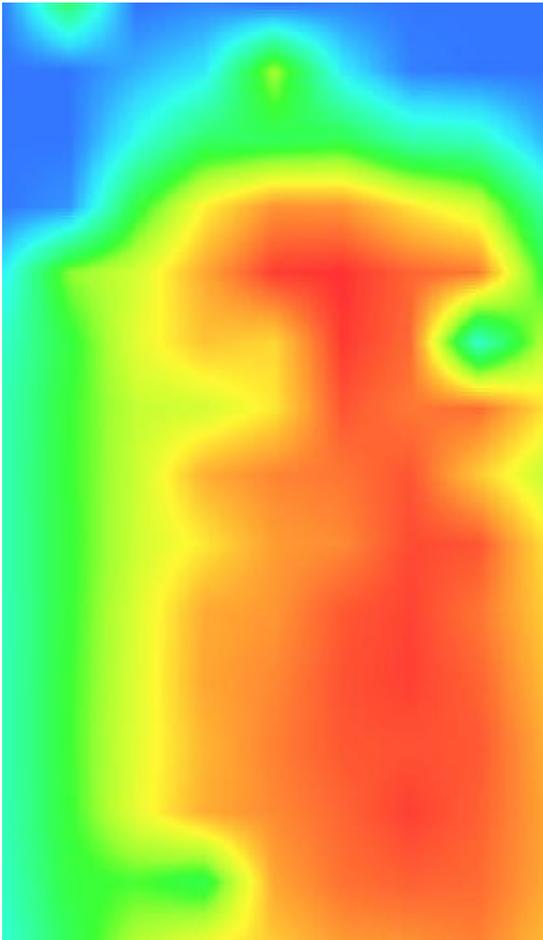
Maximum location: X=11.00, Y=23.00

SAR Peak: 0.43W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.164199 |
| SAR 1g (W/Kg) | 0.275113 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.6772 | 0.2804 | 0.1348 | 0.0991 | 0.0443 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 11: LTE Band2, 20MHz, Left Cheek, Middle

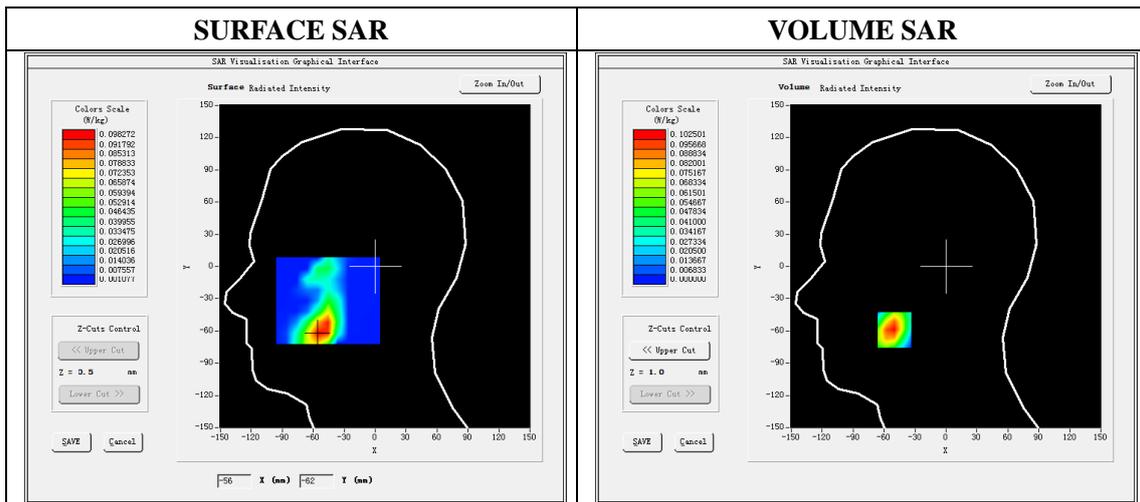
Type: Phone measurement
 Date of measurement: 12/18/2019
 Measurement duration: 22 minutes 11 econds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | LTE Band 2 |
| Channels | 18900 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

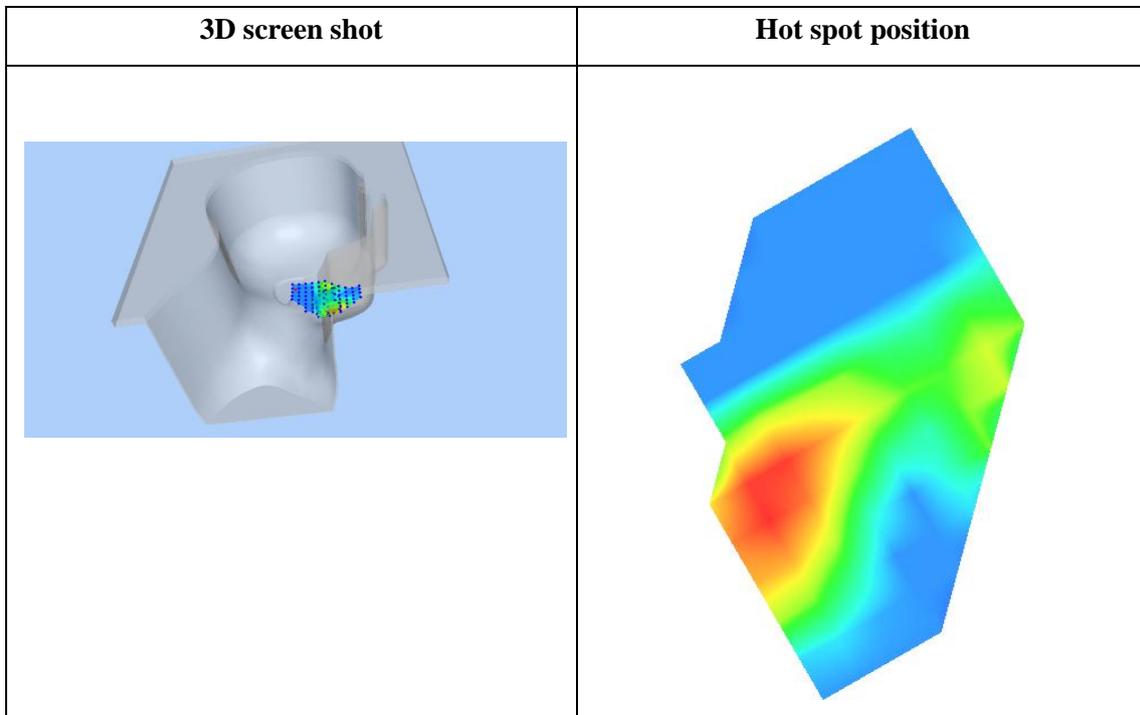
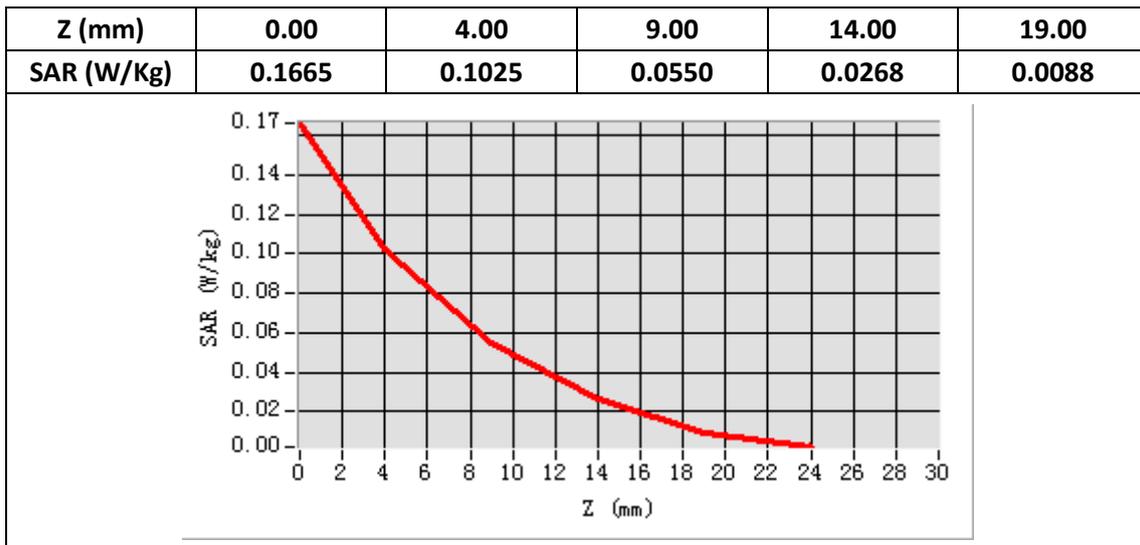
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 40.39 |
| Relative permittivity (imaginary) | 13.36 |
| Conductivity (S/m) | 1.41 |
| Variation (%) | 0.21 |
| ConvF: | 2.34 |



Maximum location: X=-50.00, Y=-59.00

SAR Peak: 0.16 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.046599 |
| SAR 1g (W/Kg) | 0.096002 |



Plot 12: LTE Band2, 20MHz, Edge C, Middle,10mm

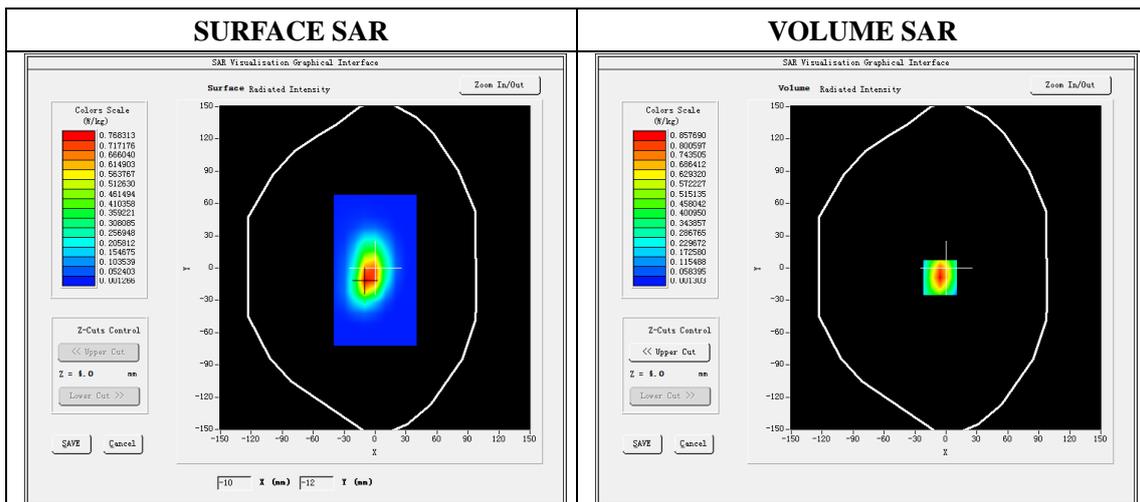
Type: Phone measurement
 Date of measurement: 12/18/2019
 Measurement duration: 22 minutes 10 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Edge C |
| Band | LTE Band 2 |
| Channels | 18900 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

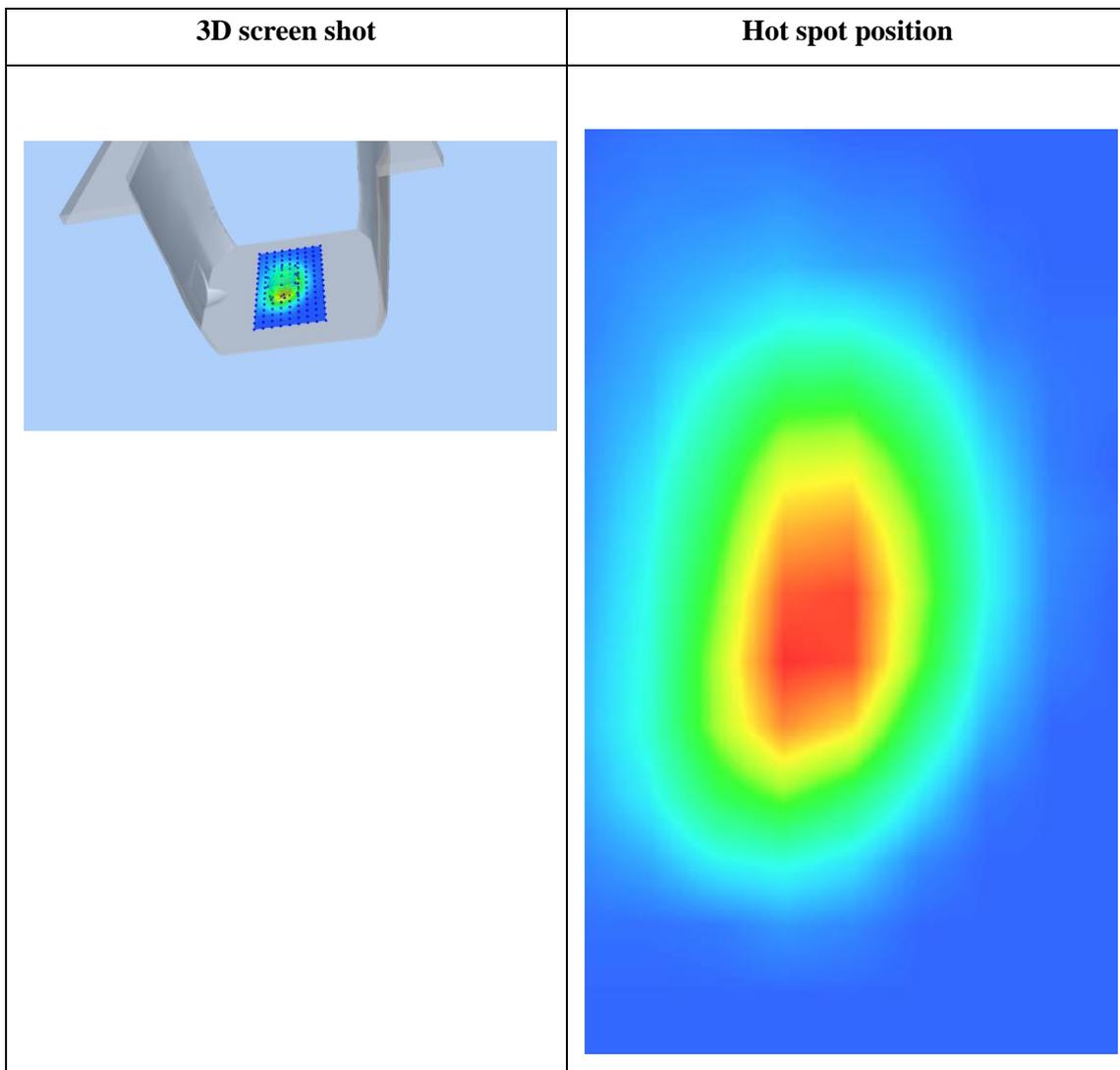
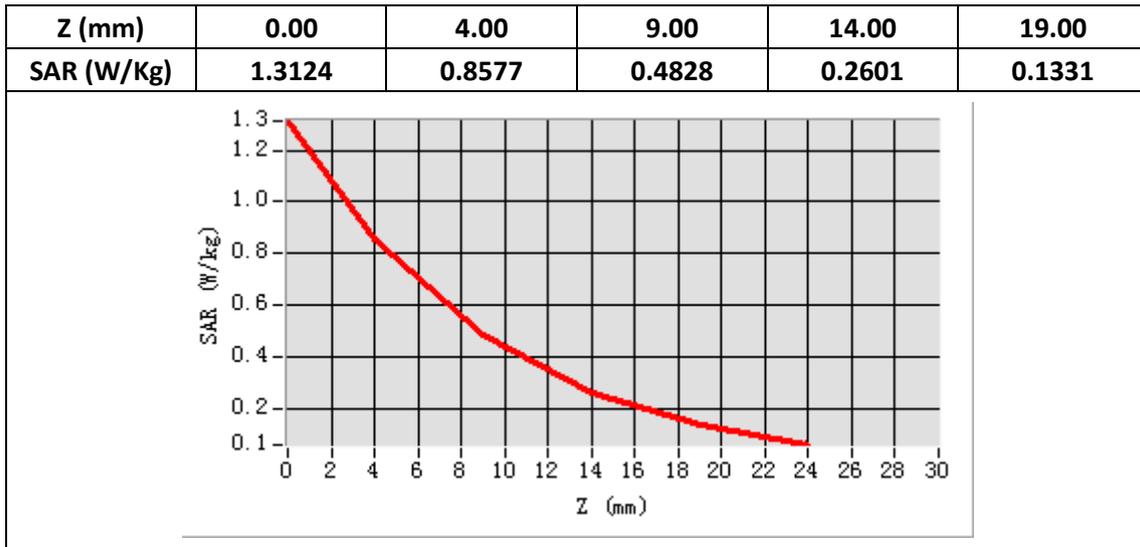
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1880 |
| Relative permittivity (real part) | 53.40 |
| Relative permittivity (imaginary) | 14.40 |
| Conductivity (S/m) | 1.52 |
| Variation (%) | -1.49 |
| ConvF: | 2.39 |



Maximum location: X=-6.00, Y=-9.00

SAR Peak: 1.32W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.396028 |
| SAR 1g (W/Kg) | 0.786441 |



Plot 13: LTE Band4, 20MHz, Left Cheek, Middle

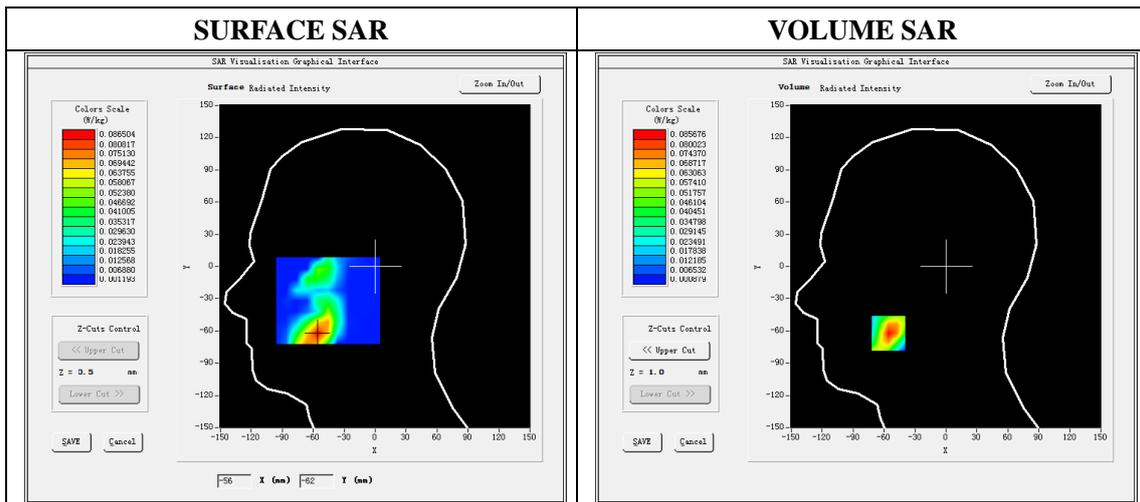
Type: Phone measurement
 Date of measurement: 12/17/2019
 Measurement duration: 22 minutes 14 econds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | LTE Band 4 |
| Channels | 20175 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

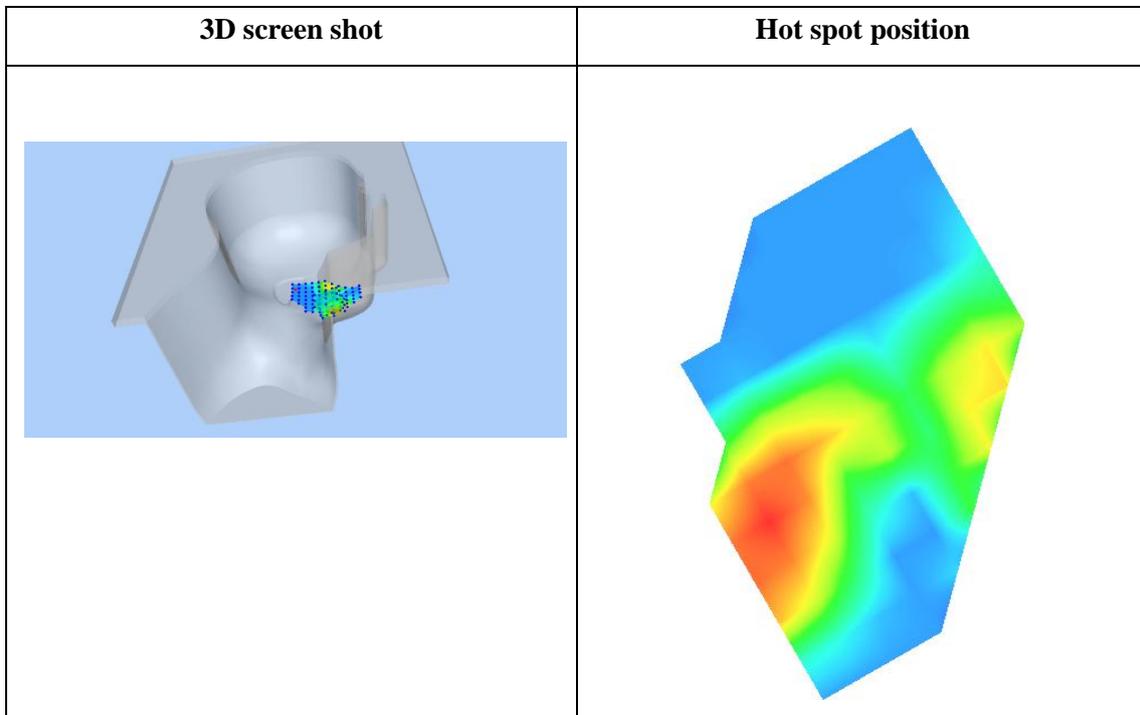
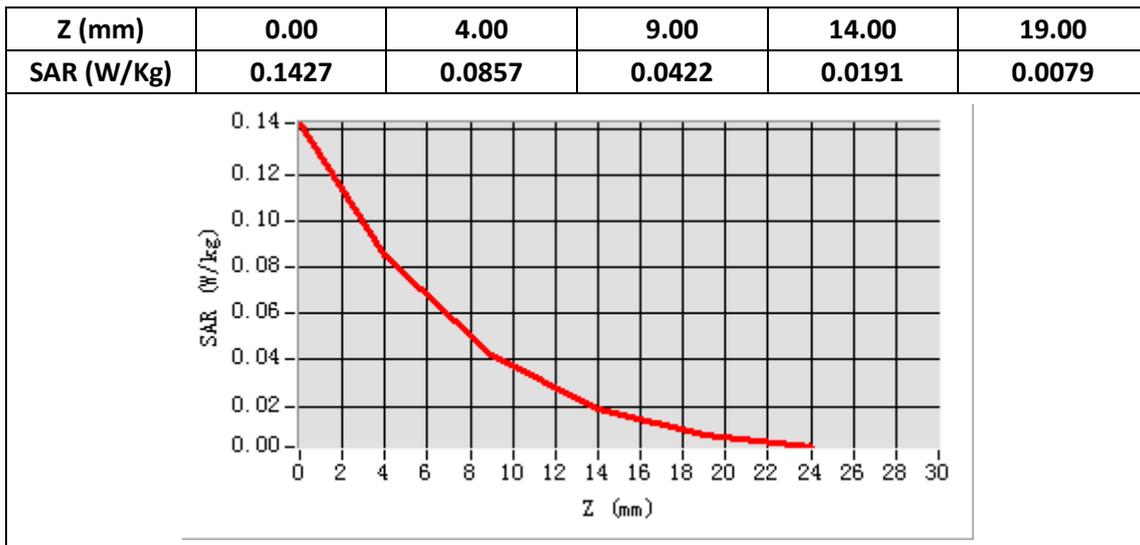
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1732.5 |
| Relative permittivity (real part) | 40.46 |
| Relative permittivity (imaginary) | 14.20 |
| Conductivity (S/m) | 1.42 |
| Variation (%) | 2.20 |
| ConvF: | 2.14 |



Maximum location: X=-56.00, Y=-62.00

SAR Peak: 0.15 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.039506 |
| SAR 1g (W/Kg) | 0.082536 |



Plot 14: LTE Band4, 20MHz, Edge C, Middle,10mm

Type: Phone measurement

Date of measurement: 12/17/2019

Measurement duration: 22 minutes 16 seconds

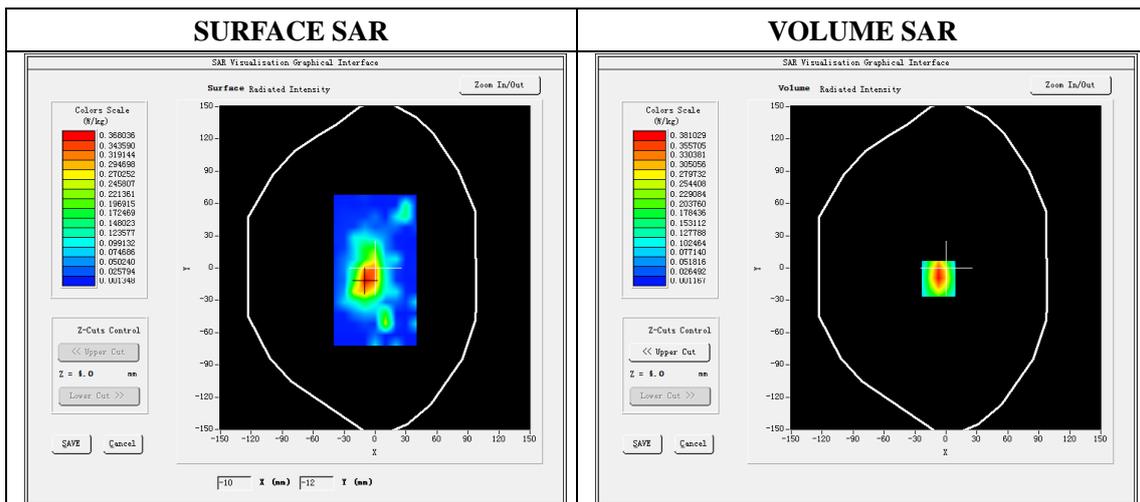
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Edge C |
| Band | LTE Band 4 |
| Channels | 20175 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

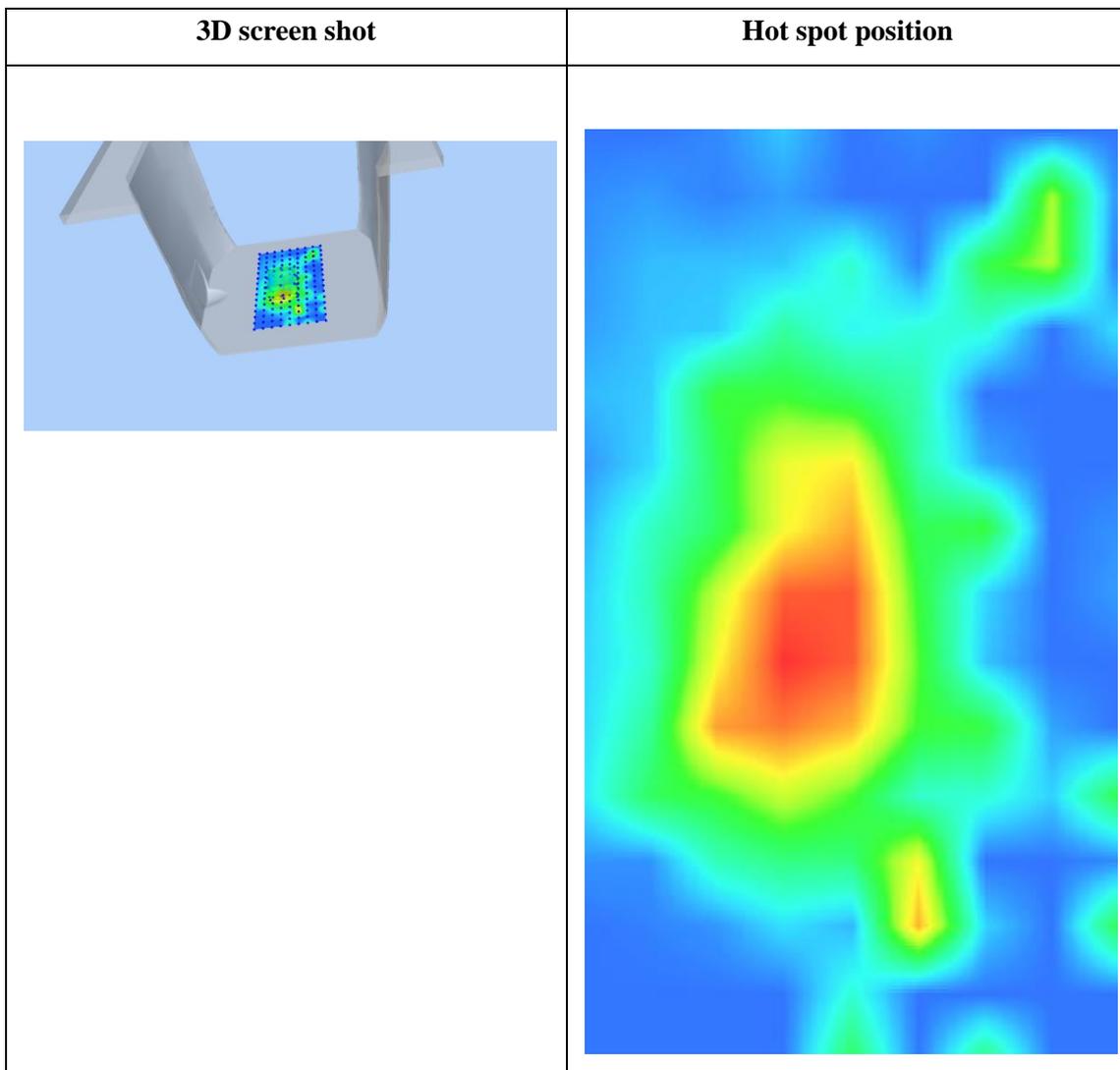
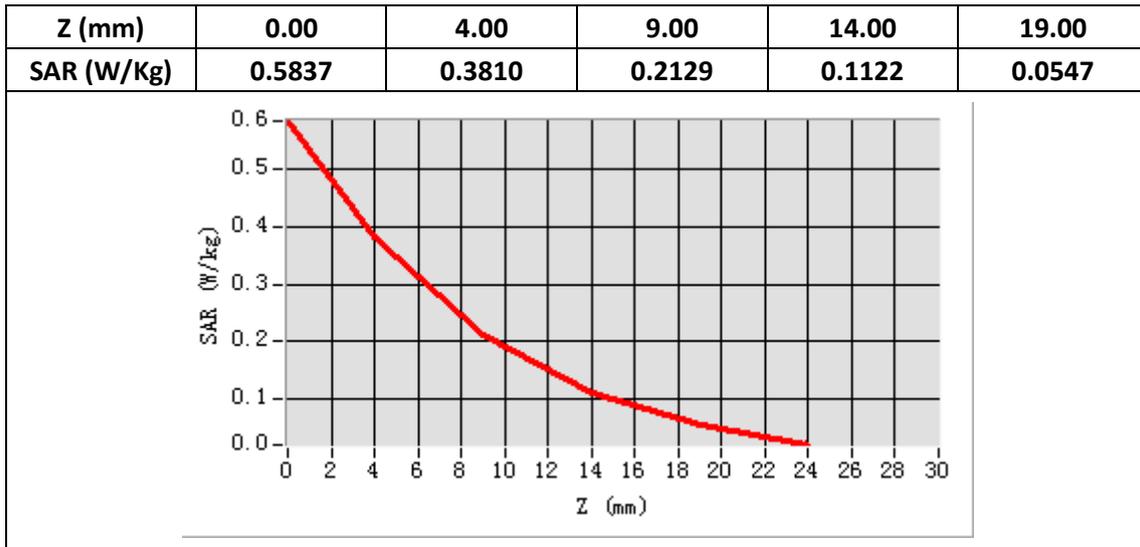
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1732.5 |
| Relative permittivity (real part) | 53.47 |
| Relative permittivity (imaginary) | 15.30 |
| Conductivity (S/m) | 1.53 |
| Variation (%) | -1.79 |
| ConvF: | 2.22 |



Maximum location: X=-7.00, Y=-10.00

SAR Peak: 0.60W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.174837 |
| SAR 1g (W/Kg) | 0.352005 |



Plot 15: LTE Band5, 10MHz,Right Cheek, Middle

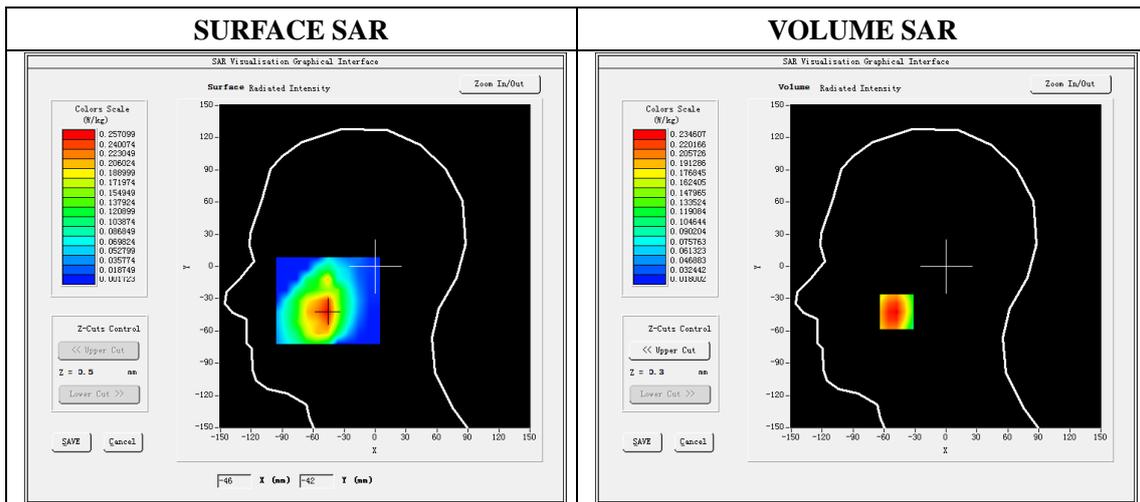
Type: Phone measurement
 Date of measurement: 12/16/2019
 Measurement duration: 22 minutes 15 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|-----------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Right Cheek |
| Band | LTE Band 5 |
| Channels | 20525 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

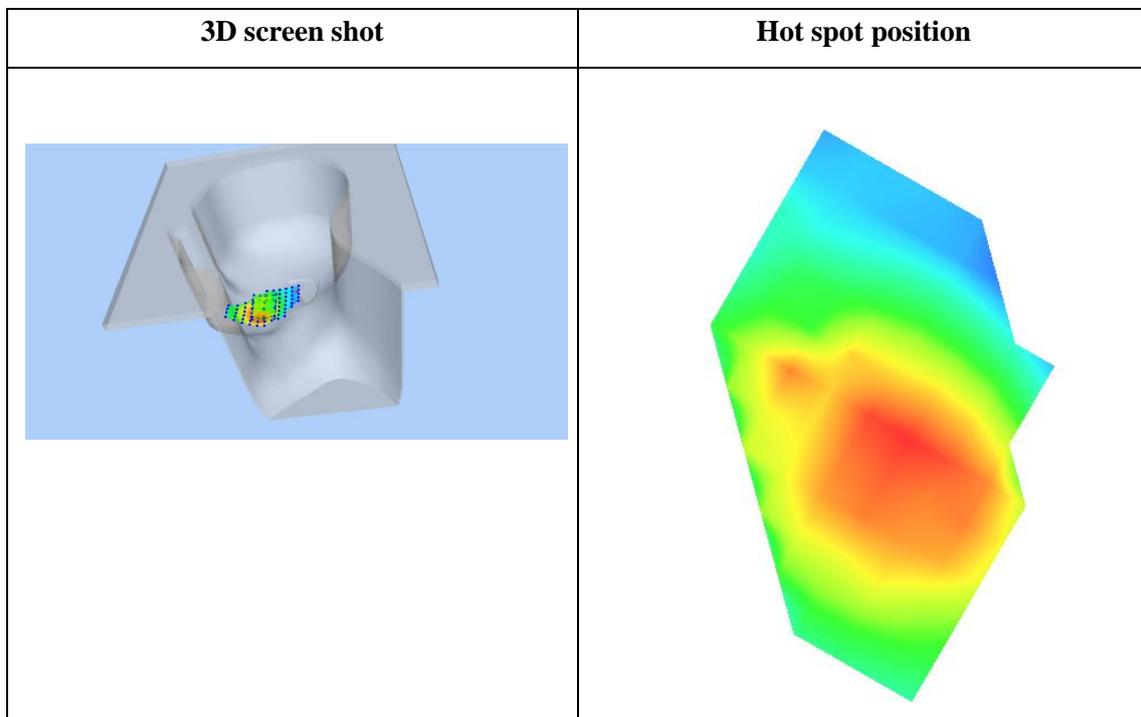
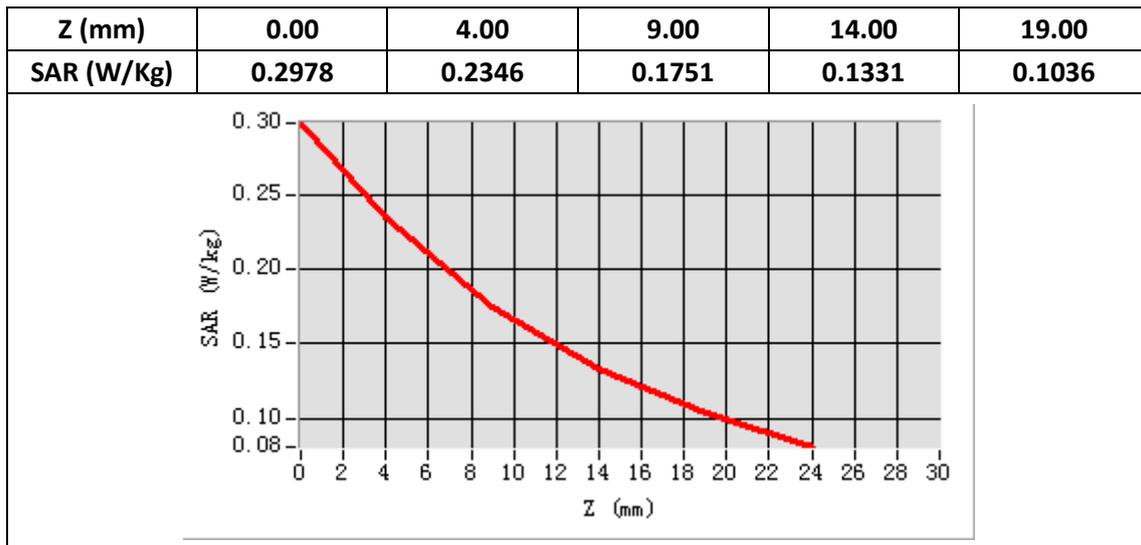
| | |
|-----------------------------------|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.5 |
| Relative permittivity (real part) | 41.58 |
| Relative permittivity (imaginary) | 20.05 |
| Conductivity (S/m) | 0.93 |
| Variation (%) | -3.82 |
| ConvF: | 1.92 |



Maximum location: X=-48.00, Y=-42.00

SAR Peak: 0.30 W/kg

| | |
|----------------|----------|
| SAR 10g (W/Kg) | 0.163050 |
| SAR 1g (W/Kg) | 0.227623 |



Plot 16: LTE Band5, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 12/16/2019

Measurement duration: 22 minutes 18 seconds

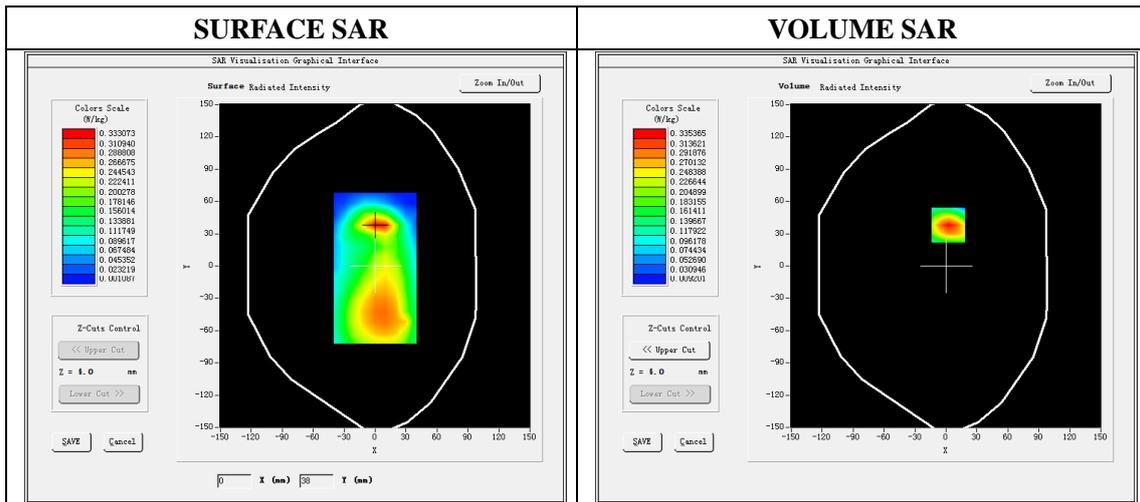
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | LTE Band 5 |
| Channels | 20525 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 836.5 |
| Relative permittivity (real part) | 55.28 |
| Relative permittivity (imaginary) | 21.34 |
| Conductivity (S/m) | 0.99 |
| Variation (%) | -3.13 |
| ConvF: | 1.99 |

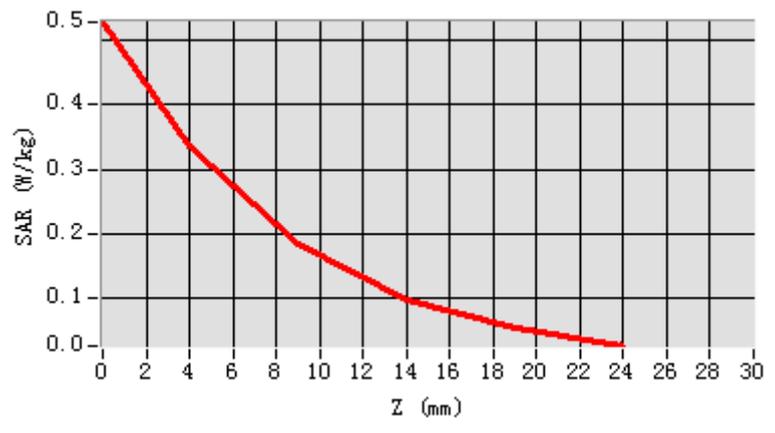


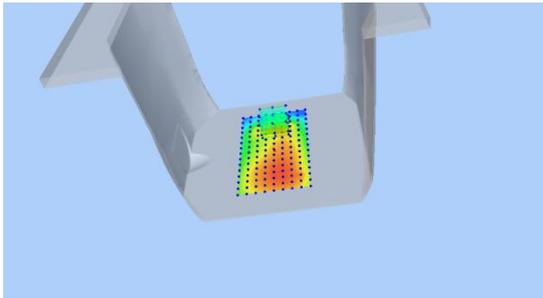
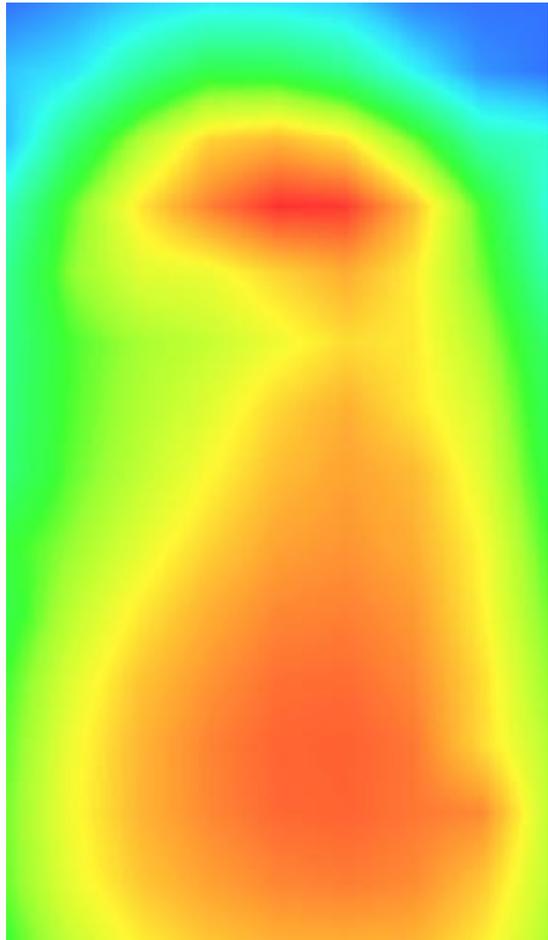
Maximum location: X=2.00, Y=38.00

SAR Peak: 0.53W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.167179 |
| SAR 1g (W/Kg) | 0.318071 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.5283 | 0.3354 | 0.1830 | 0.0979 | 0.0525 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 17: LTE Band7, 20MHz, Left Cheek, Middle

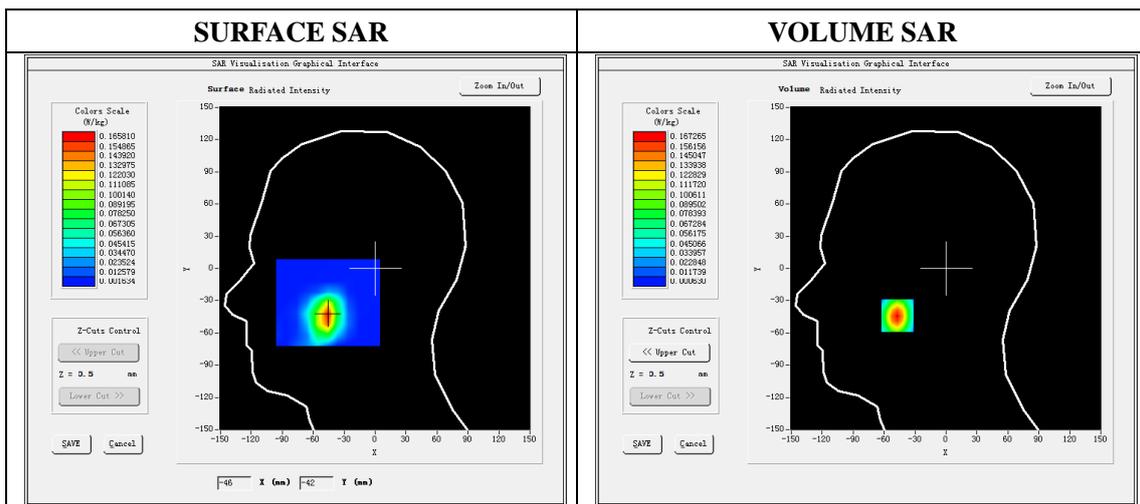
Type: Phone measurement
 Date of measurement: 12/20/2019
 Measurement duration: 22 minutes 21 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=5mm,dy=5mm |
| ZoomScan | 7x7x8,dx=5mm dy=5mm dz=4mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | LTE Band 7 |
| Channels | 21350 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

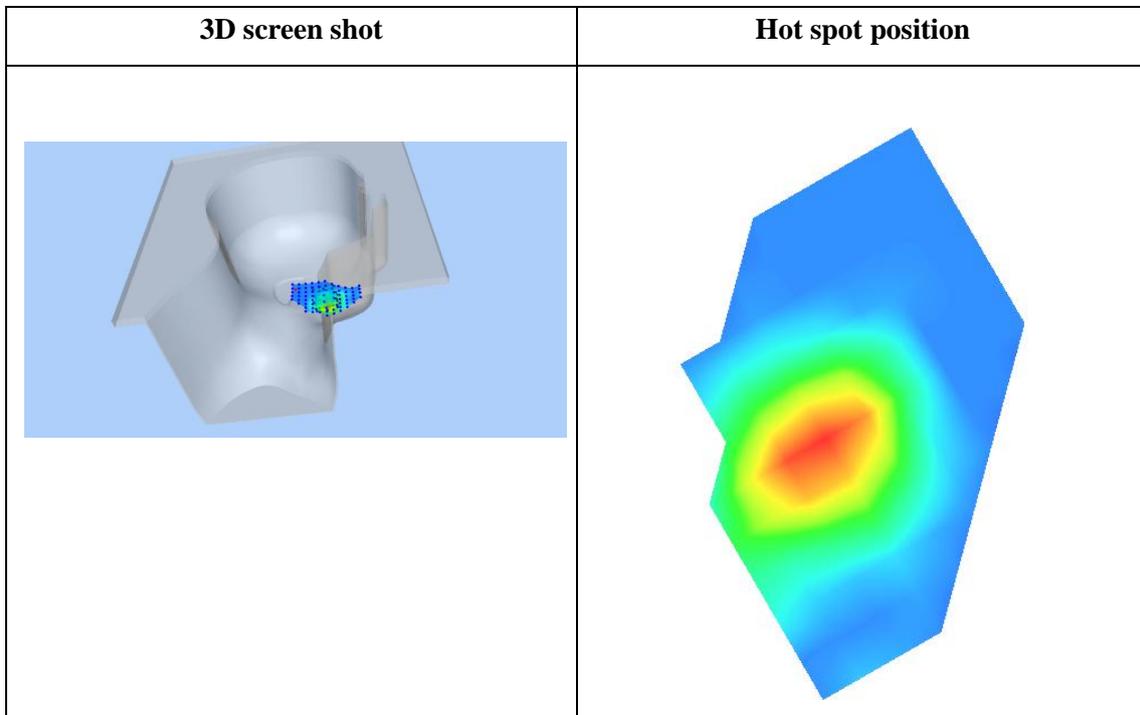
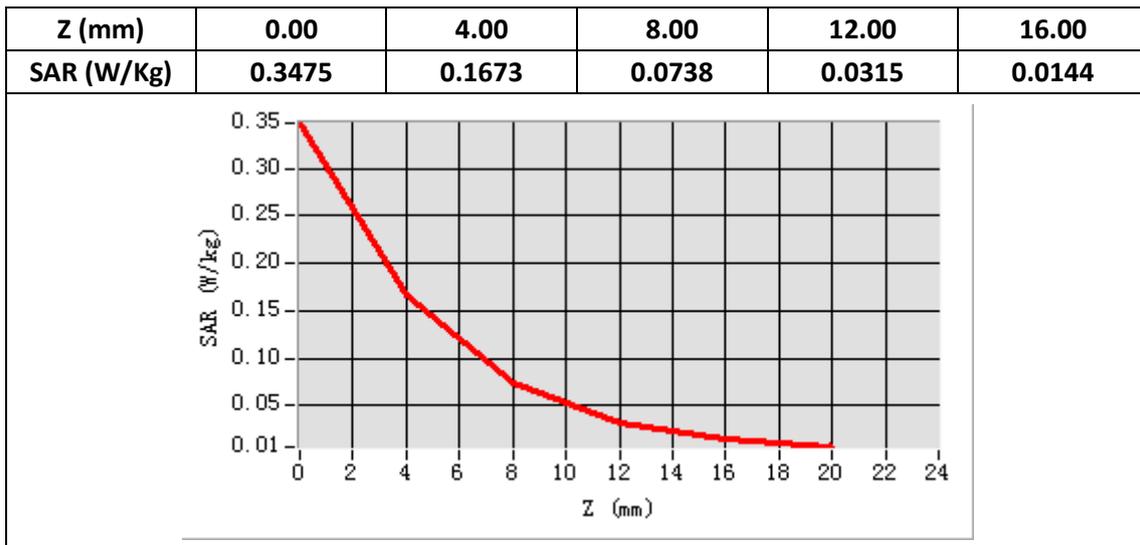
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 2560 |
| Relative permittivity (real part) | 39.14 |
| Relative permittivity (imaginary) | 13.71 |
| Conductivity (S/m) | 1.98 |
| Variation (%) | 1.40 |
| ConvF: | 2.35 |



Maximum location: X=-47.00 Y=-44.00

SAR Peak: 0.35W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.064755 |
| SAR 1g (W/Kg) | 0.154951 |



Plot 18: LTE Band7, 20MHz, Back, Middle,15mm

Type: Phone measurement

Date of measurement: 12/20/2019

Measurement duration: 22 minutes 17 seconds

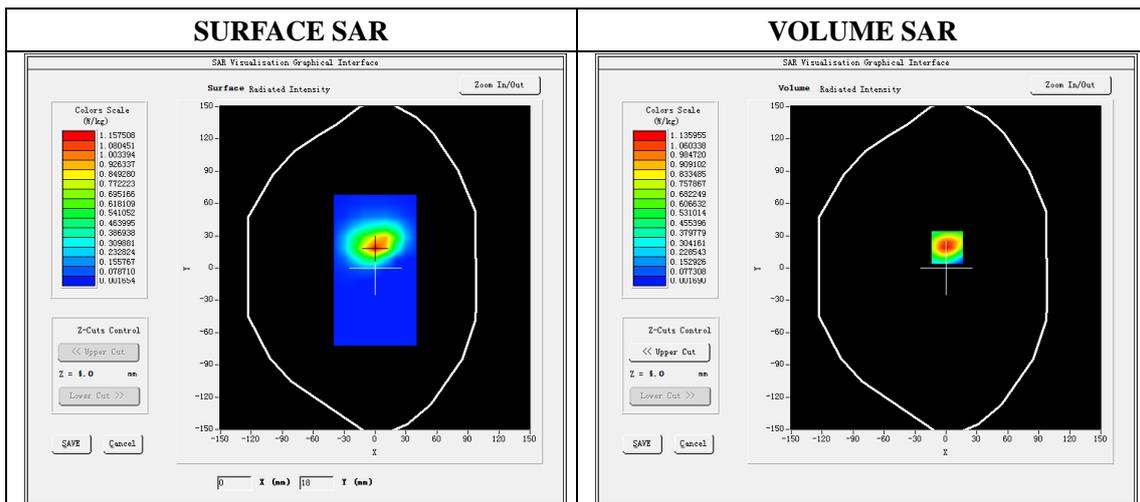
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=5mm,dy=5mm |
| ZoomScan | 7x7x8,dx=5mm dy=5mm dz=4mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | LTE Band 7 |
| Channels | 21350 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 2560 |
| Relative permittivity (real part) | 52.60 |
| Relative permittivity (imaginary) | 15.16 |
| Conductivity (S/m) | 2.19 |
| Variation (%) | -4.19 |
| ConvF: | 2.43 |

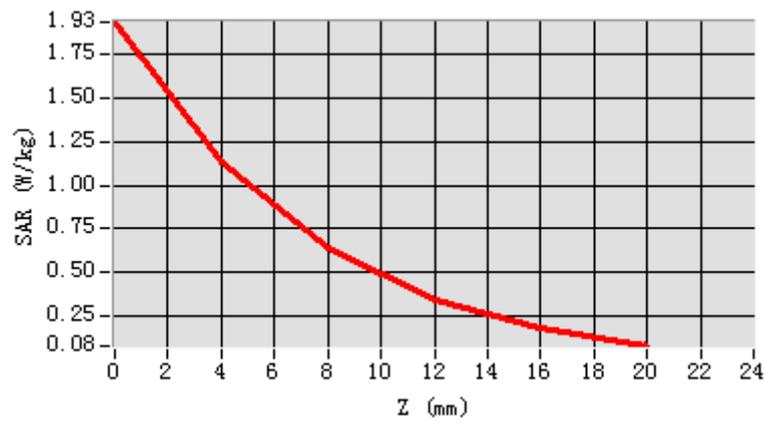


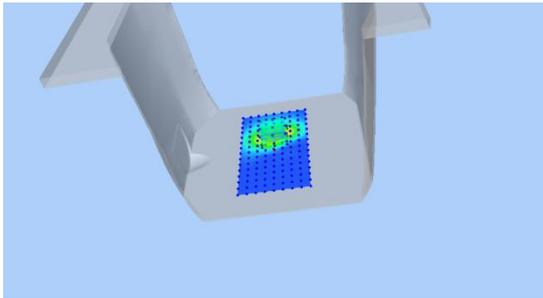
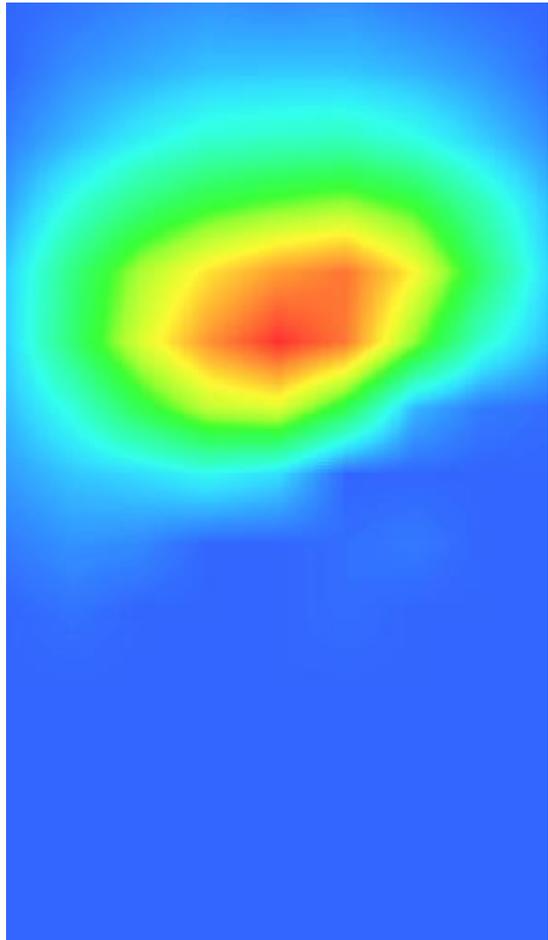
Maximum location: X=1.00 Y=19.00

SAR Peak: 1.94 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.485955 |
| SAR 1g (W/Kg) | 1.040068 |

| Z (mm) | 0.00 | 4.00 | 8.00 | 12.00 | 16.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 1.9329 | 1.1360 | 0.6375 | 0.3438 | 0.1779 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 19: LTE Band26, 10MHz,Right Cheek, Middle

Type: Phone measurement

Date of measurement: 12/16/2019

Measurement duration: 22 minutes 19 seconds

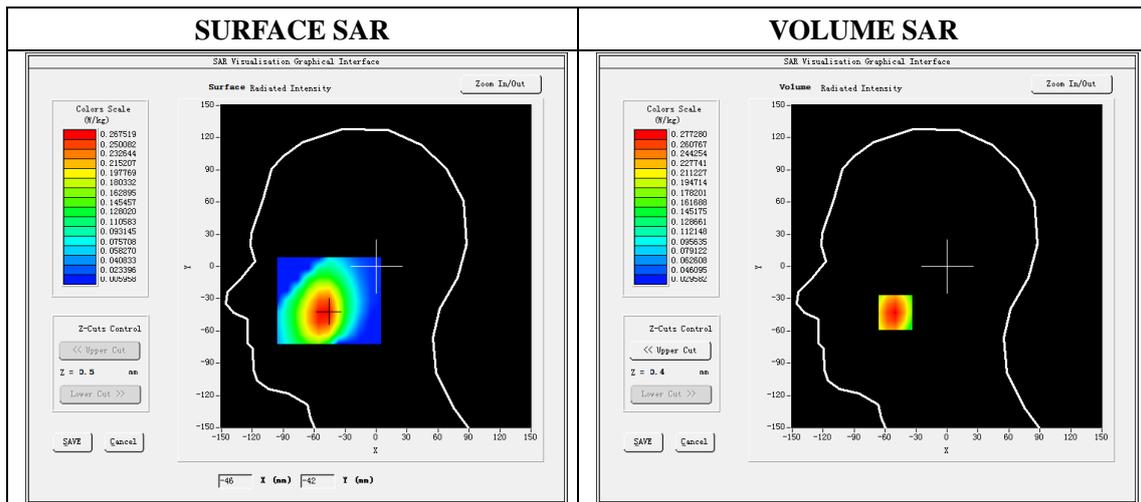
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Right Cheek |
| Band | LTE Band 26 |
| Channels | 26865 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 831.5 |
| Relative permittivity (real part) | 41.58 |
| Relative permittivity (imaginary) | 20.05 |
| Conductivity (S/m) | 0.93 |
| Variation (%) | -3.54 |
| ConvF: | 1.92 |

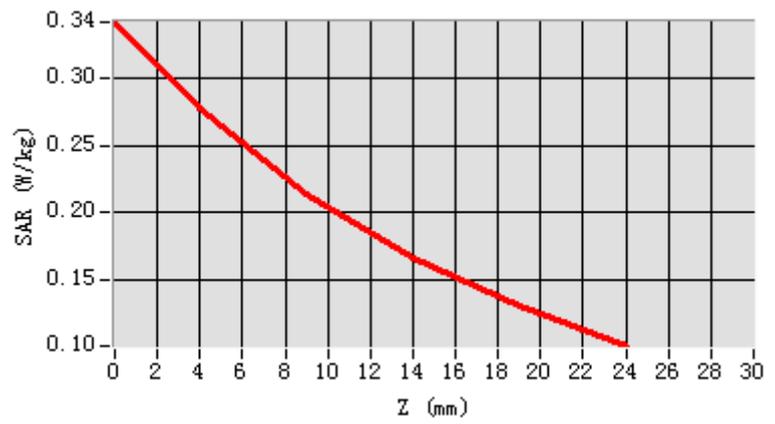


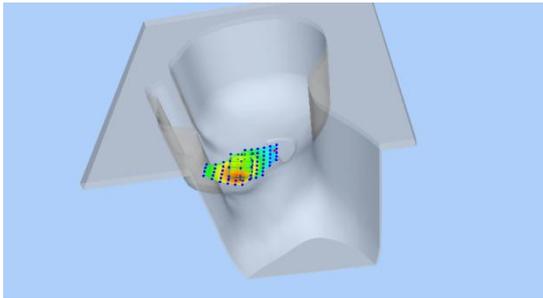
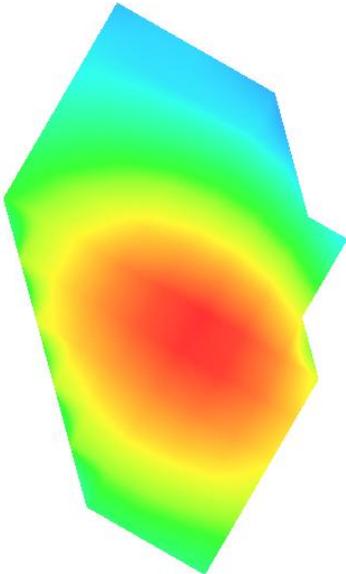
Maximum location: X=-50.00, Y=-43.00

SAR Peak: 0.34 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.193621 |
| SAR 1g (W/Kg) | 0.266767 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.3411 | 0.2773 | 0.2142 | 0.1667 | 0.1308 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 20: LTE Band26, 10MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 12/16/2019

Measurement duration: 22 minutes 20 seconds

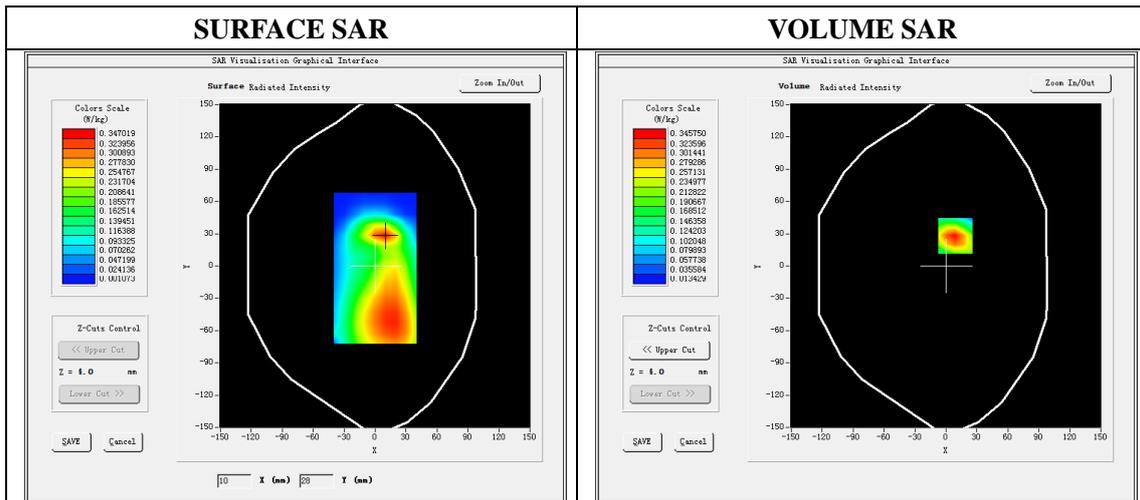
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | LTE Band 26 |
| Channels | 26865 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 831.5 |
| Relative permittivity (real part) | 55.28 |
| Relative permittivity (imaginary) | 21.34 |
| Conductivity (S/m) | 0.99 |
| Variation (%) | 0.44 |
| ConvF: | 1.99 |

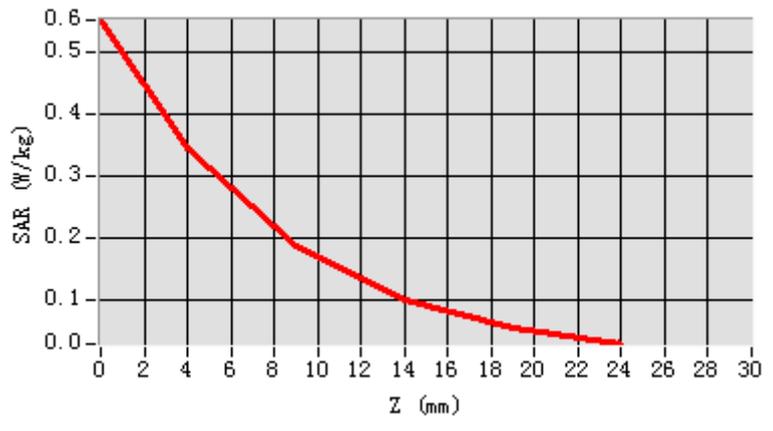


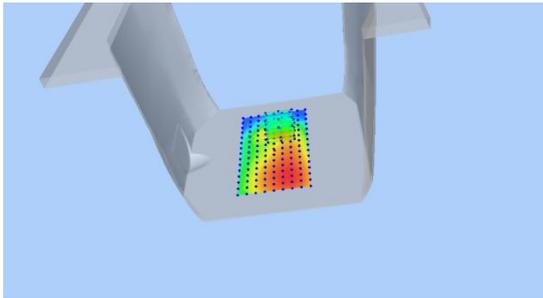
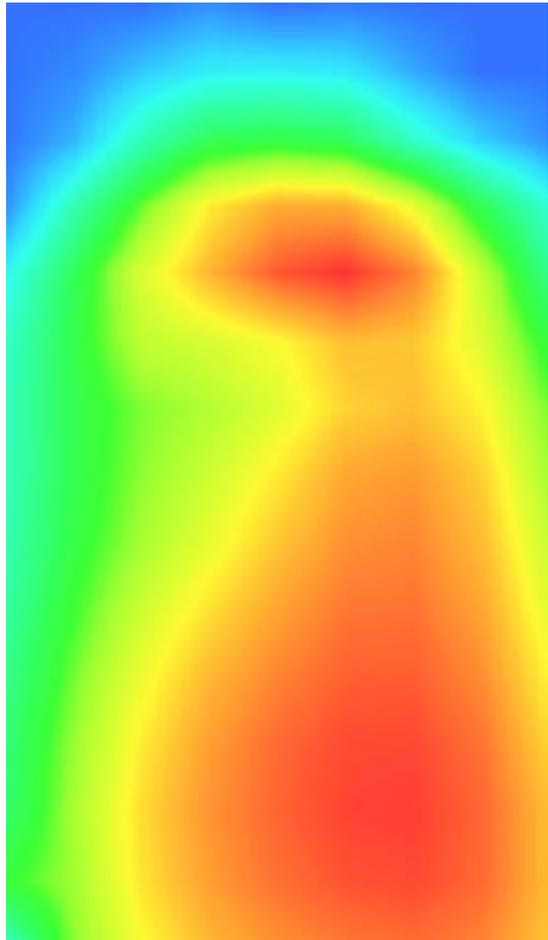
Maximum location: X=9.00, Y=28.00

SAR Peak: 0.56W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.174458 |
| SAR 1g (W/Kg) | 0.330580 |

| Z (mm) | 0.00 | 4.00 | 9.00 | 14.00 | 19.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.5519 | 0.3458 | 0.1858 | 0.0987 | 0.0537 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 21: LTE Band66, 20MHz,Left Cheek, Middle

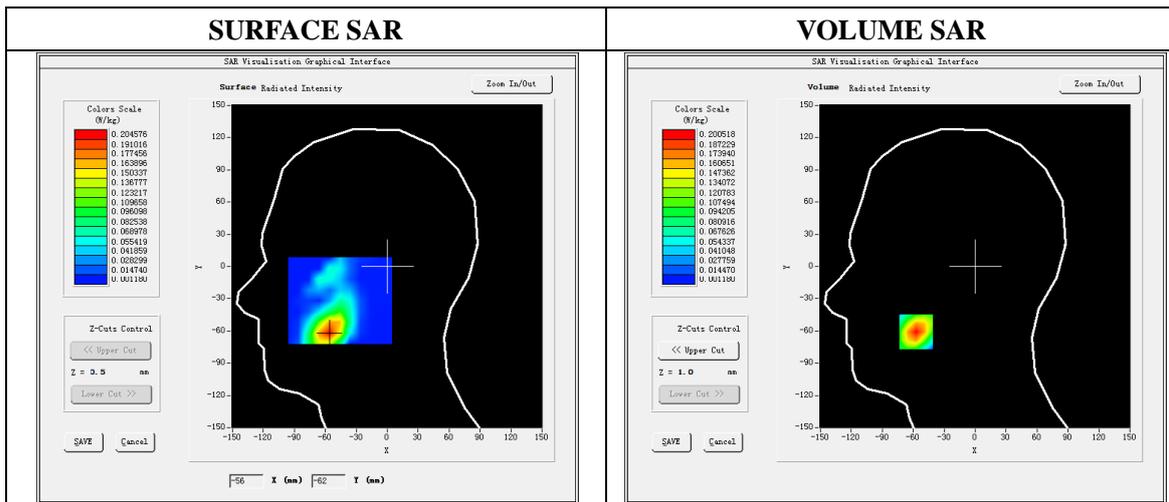
Type: Phone measurement
 Date of measurement: 12/17/2019
 Measurement duration: 22 minutes 22 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | LTE Band 66 |
| Channels | 132197 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

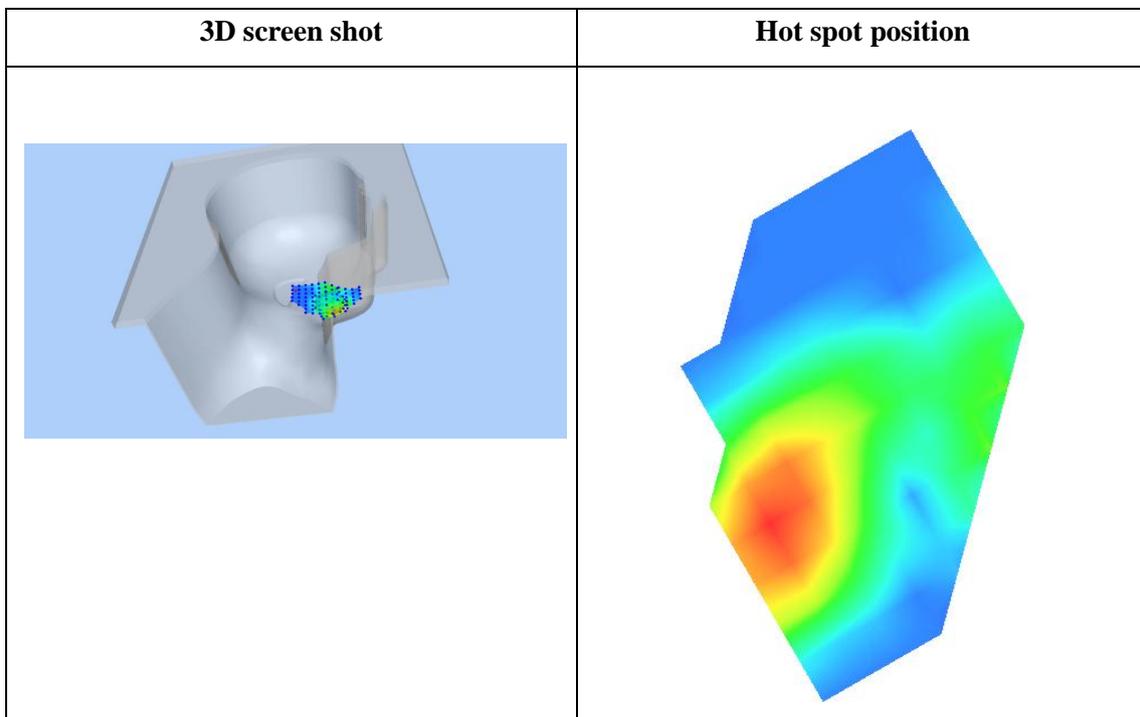
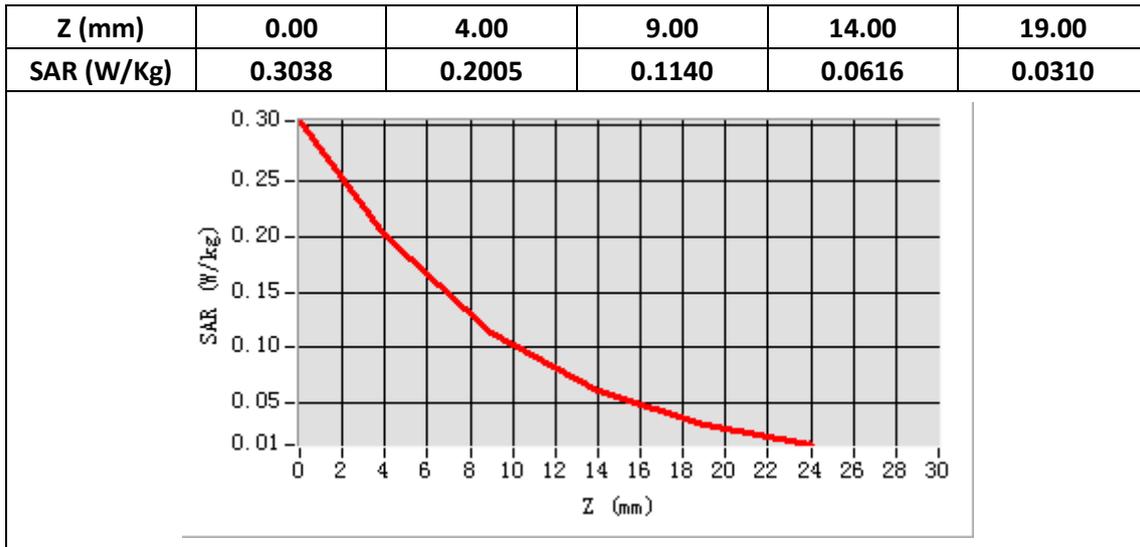
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1732.5 |
| Relative permittivity (real part) | 40.46 |
| Relative permittivity (imaginary) | 14.20 |
| Conductivity (S/m) | 1.42 |
| Variation (%) | 3.05 |
| ConvF: | 2.14 |



Maximum location: X=-57.00, Y=-61.00

SAR Peak: 0.30W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.096610 |
| SAR 1g (W/Kg) | 0.188598 |



Plot 22: LTE Band66, 20MHz, Back, Middle,10mm

Type: Phone measurement

Date of measurement: 12/17/2019

Measurement duration: 22 minutes 25 seconds

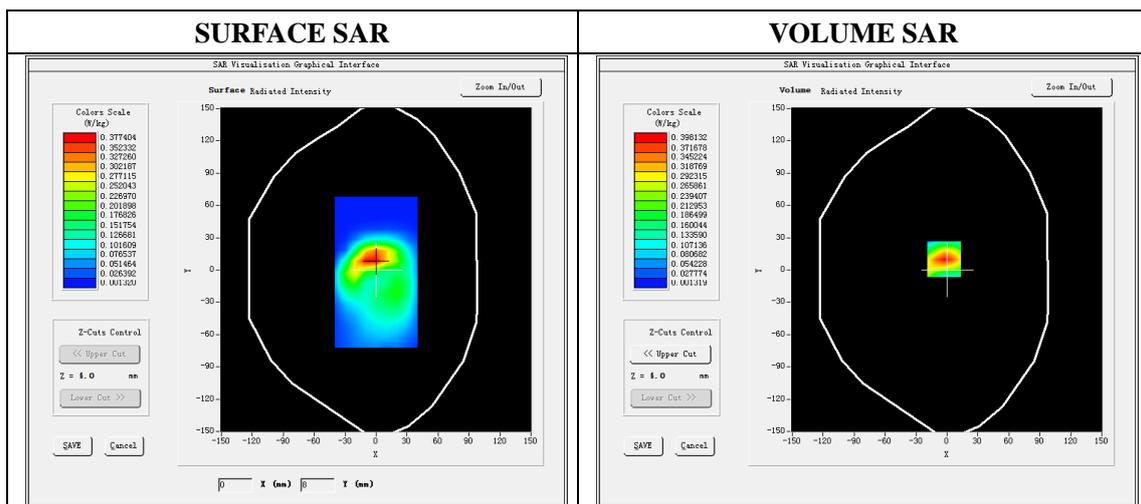
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=8mm dy=8mm |
| ZoomScan | 5x5x7,dx=8mm dy=8mm dz=5mm |
| Phantom | Validation plane |
| Device Position | Back |
| Band | LTE Band 66 |
| Channels | 132197 |
| Signal | LTE (Duty cycle: 1:1) |

B. SAR Measurement Results

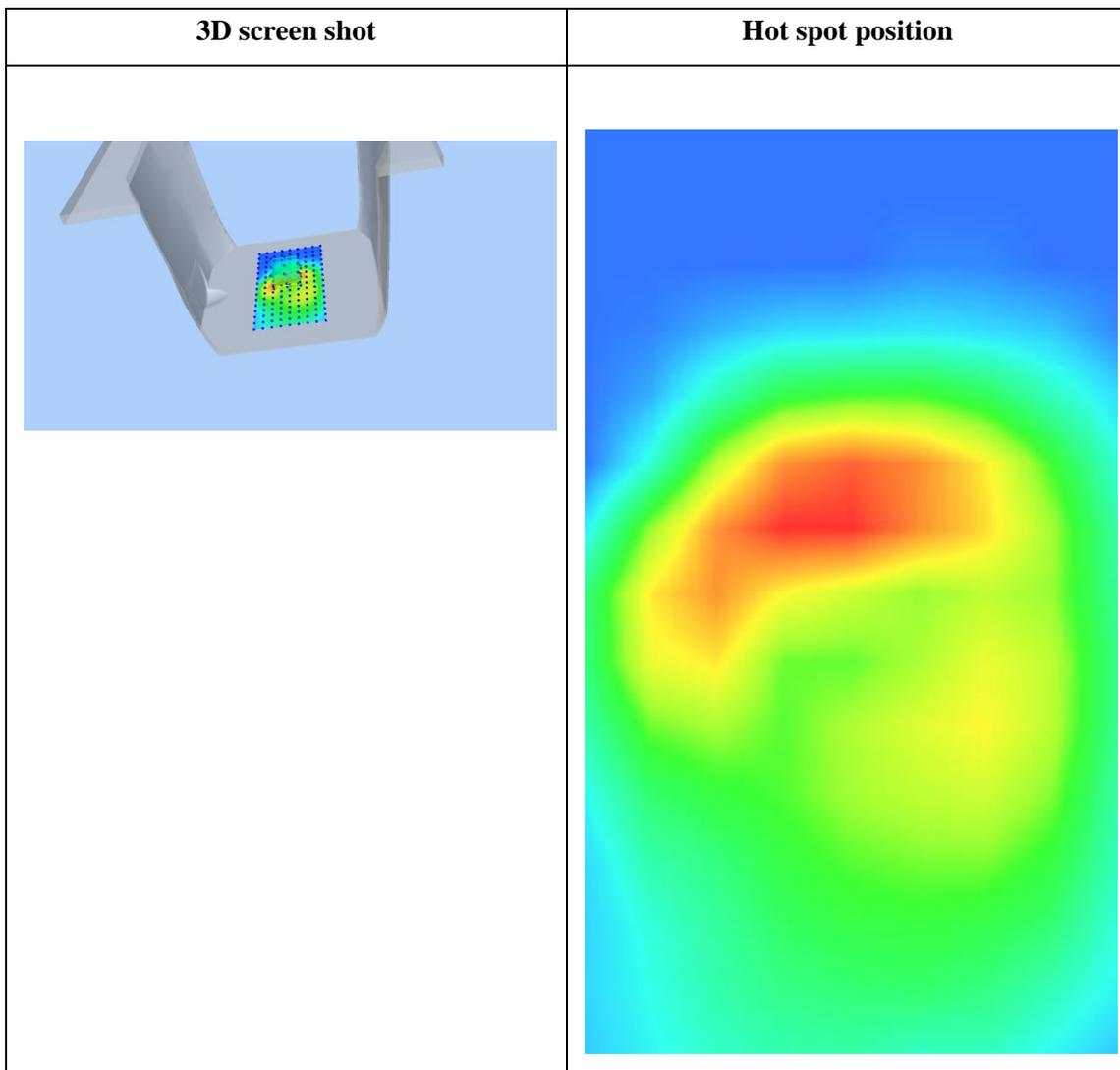
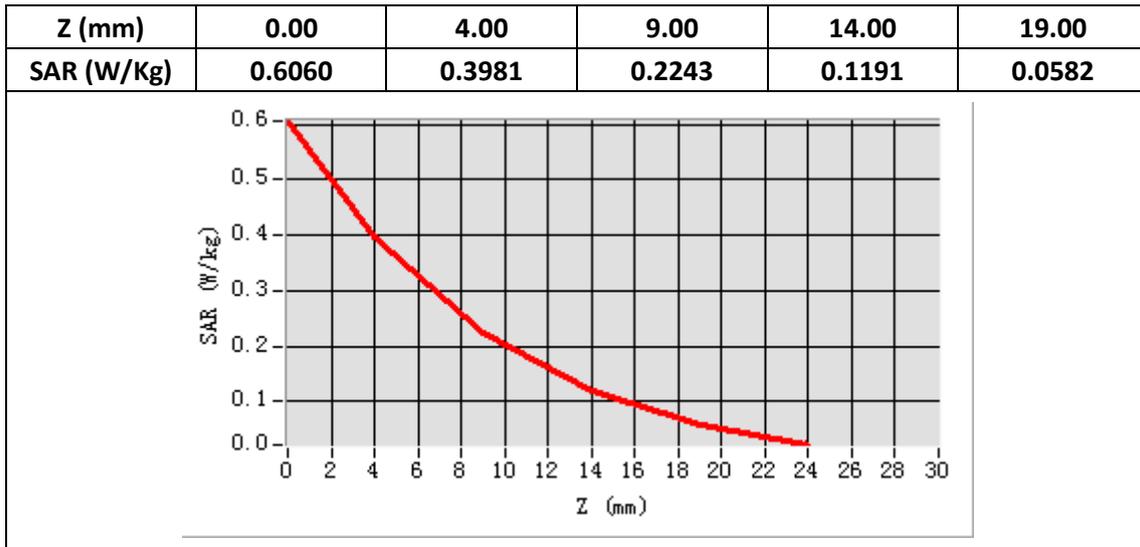
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 1732.5 |
| Relative permittivity (real part) | 53.47 |
| Relative permittivity (imaginary) | 15.30 |
| Conductivity (S/m) | 1.53 |
| Variation (%) | 1.41 |
| ConvF: | 2.22 |



Maximum location: X=-3.00, Y=10.00

SAR Peak: 0.61W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.187382 |
| SAR 1g (W/Kg) | 0.365518 |



Plot 23: Wi-Fi 802.11b Left Cheek, Middle

Type: Phone measurement

Date of measurement: 12/19/2019

Measurement duration: 22 minutes 24 seconds

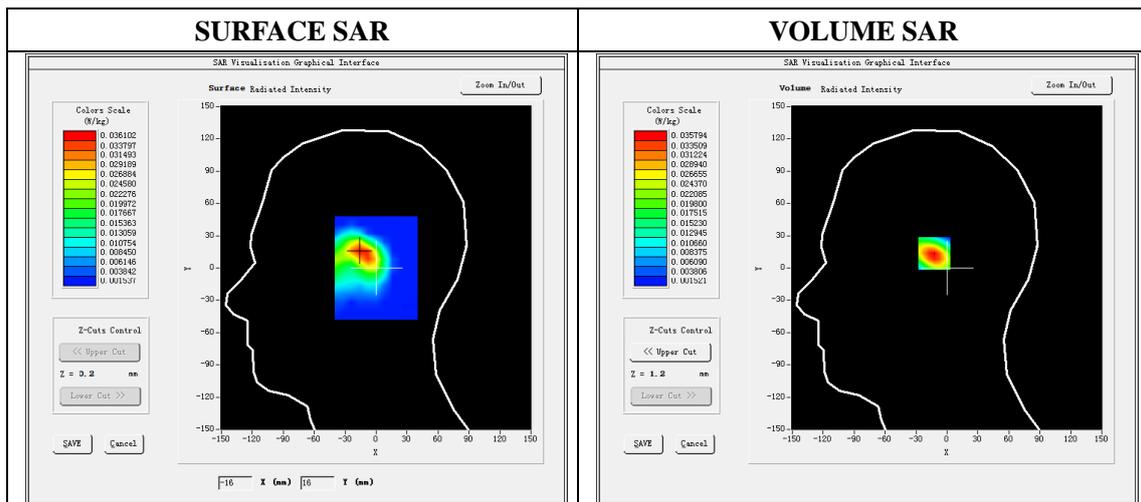
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=5mm,dy=5mm |
| ZoomScan | 7x7x8,dx=5mm dy=5mm dz=4mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | WIFI |
| Channels | 6 |
| Signal | DSSS (Duty cycle: 1:1) |

B. SAR Measurement Results

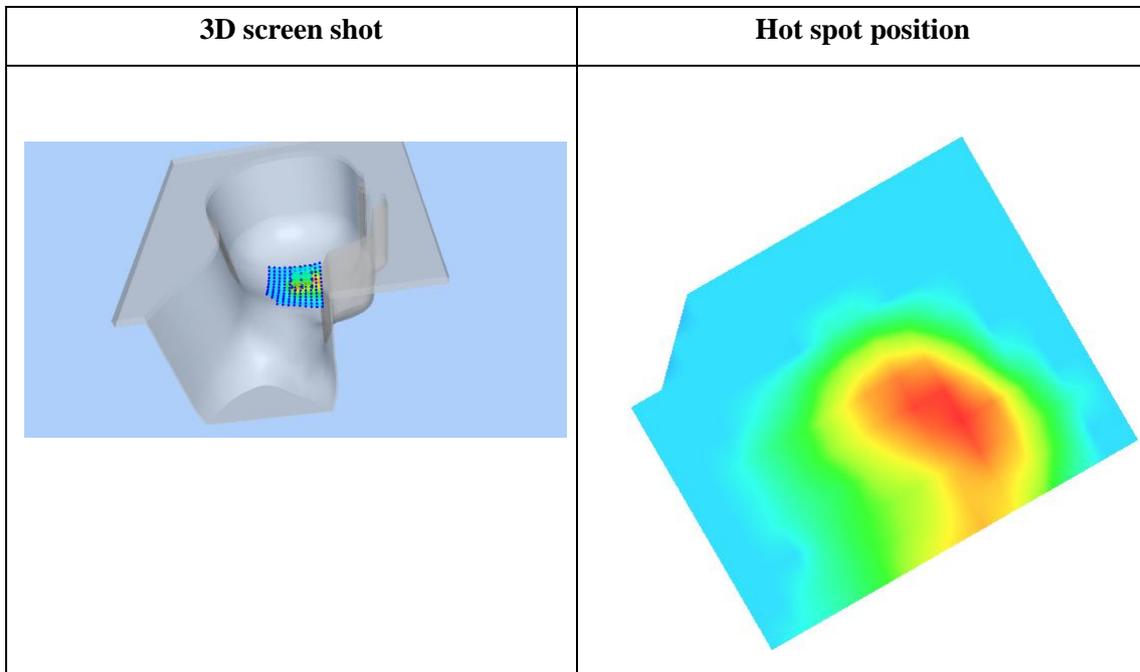
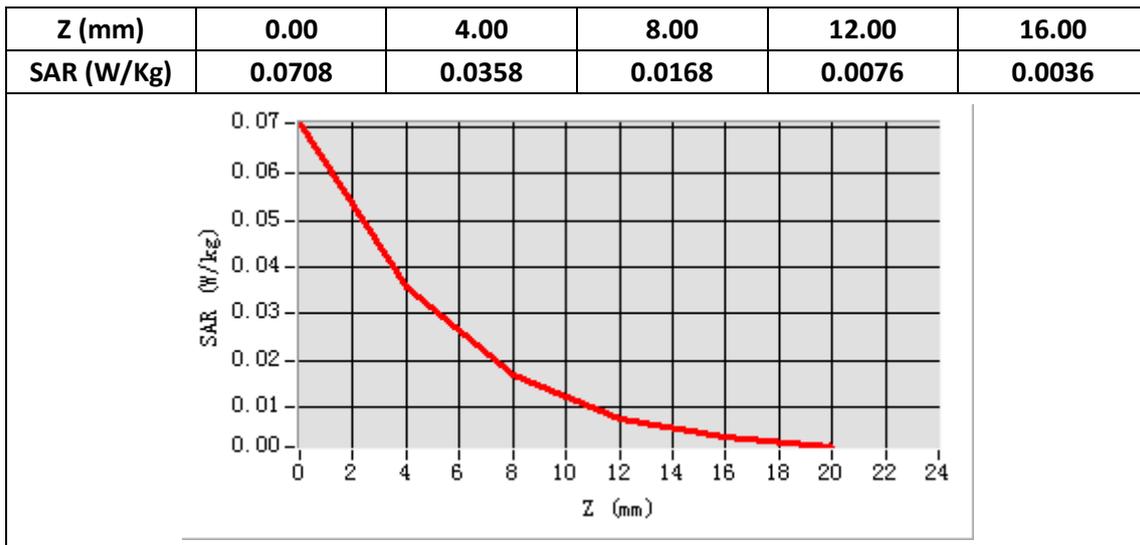
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 2437 |
| Relative permittivity (real part) | 39.31 |
| Relative permittivity (imaginary) | 13.37 |
| Conductivity (S/m) | 1.82 |
| Variation (%) | -1.71 |
| ConvF: | 2.37 |



Maximum location: X=-11.00 Y=14.00

SAR Peak: 0.07 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.015339 |
| SAR 1g (W/Kg) | 0.033661 |



Plot 24: Wi-Fi 802.11b, Face ,Middle, 15mm

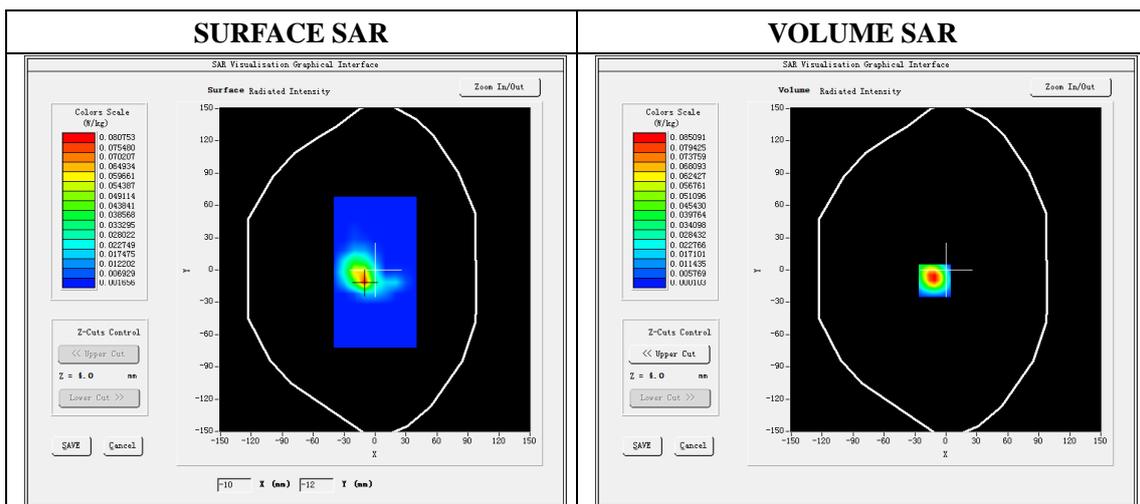
Type: Phone measurement
 Date of measurement: 12/19/2019
 Measurement duration: 22 minutes 26 seconds
 Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|----------------------------|
| Area Scan | dx=5mm,dy=5mm |
| ZoomScan | 7x7x8,dx=5mm dy=5mm dz=4mm |
| Phantom | Validation plane |
| Device Position | Face |
| Band | WIFI |
| Channels | 6 |
| Signal | DSSS (Duty cycle: 1:1) |

B. SAR Measurement Results

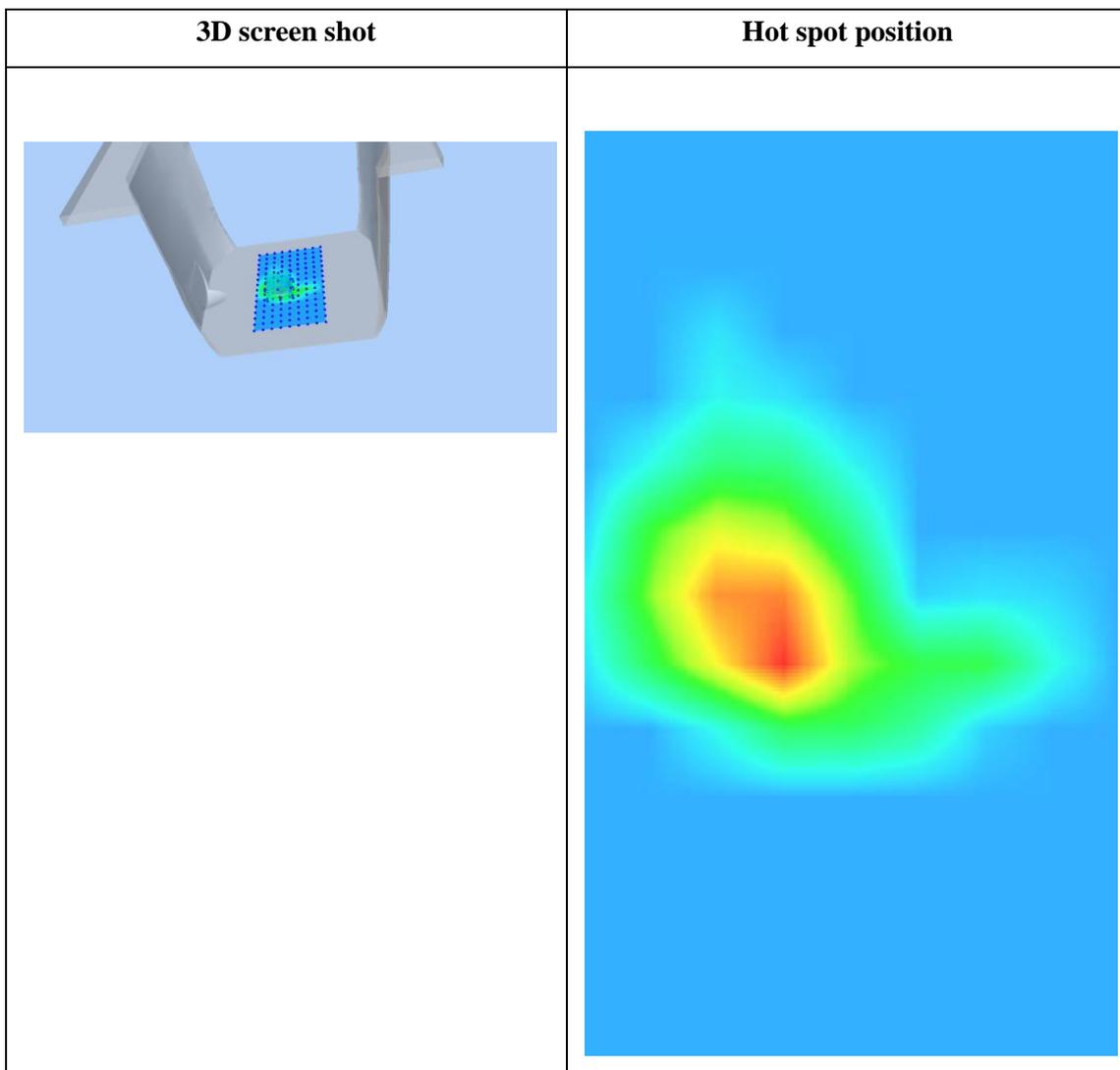
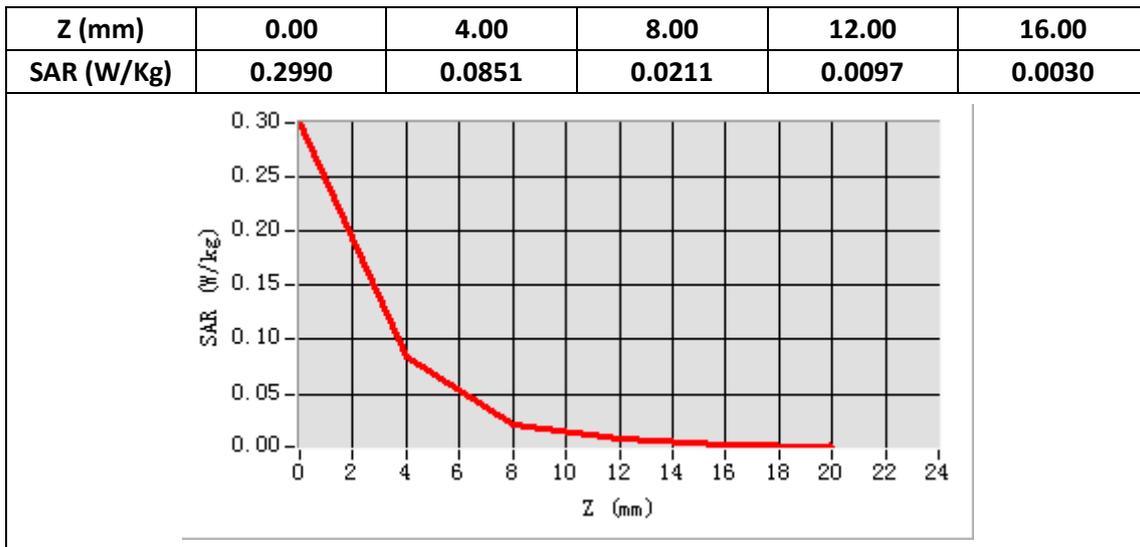
| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 2437 |
| Relative permittivity (real part) | 52.82 |
| Relative permittivity (imaginary) | 14.55 |
| Conductivity (S/m) | 1.98 |
| Variation (%) | -1.92 |
| ConvF: | 2.46 |



Maximum location: X=-11.00 Y=-10.00

SAR Peak: 0.21 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.030309 |
| SAR 1g (W/Kg) | 0.082648 |



Plot 25: WIFI 5G 802.11a(20MHZ), Left Cheek,Middle

Type: Phone measurement

Date of measurement: 12/21/2019

Measurement duration: 22 minutes 27 seconds

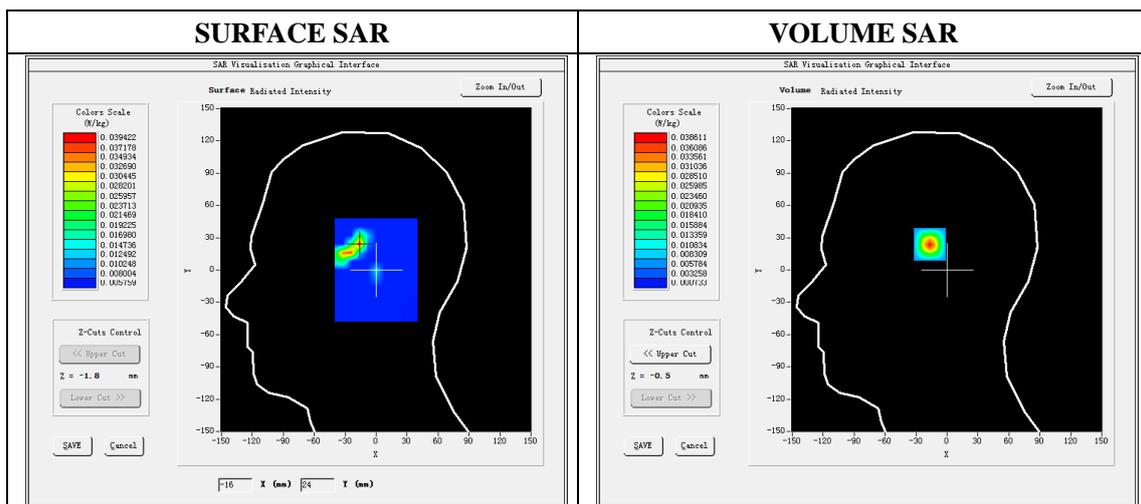
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|-----------------|------------------------------|
| Area Scan | dx=4mm,dy=4mm |
| ZoomScan | 7x7x12,dx=4m, dy=4mm, dz=2mm |
| Phantom | Validation plane |
| Device Position | Left Cheek |
| Band | WIFI 5G |
| Channels | 36 |
| Signal | OFDM (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|-----------------------------------|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 5180 |
| Relative permittivity (real part) | 36.31 |
| Relative permittivity (imaginary) | 16.13 |
| Conductivity (S/m) | 4.66 |
| Variation (%) | -3.34 |
| ConvF: | 2.15 |

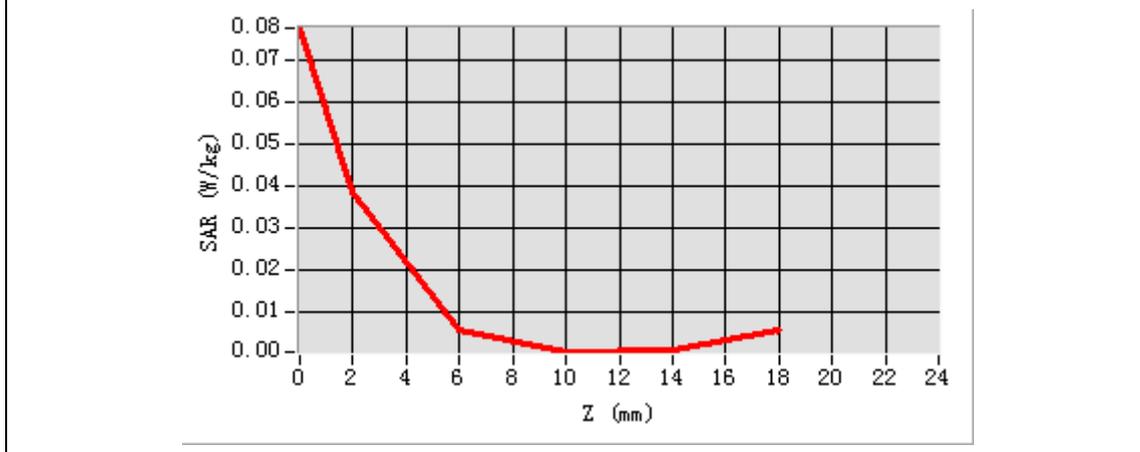


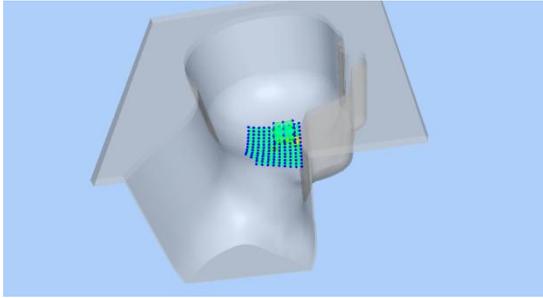
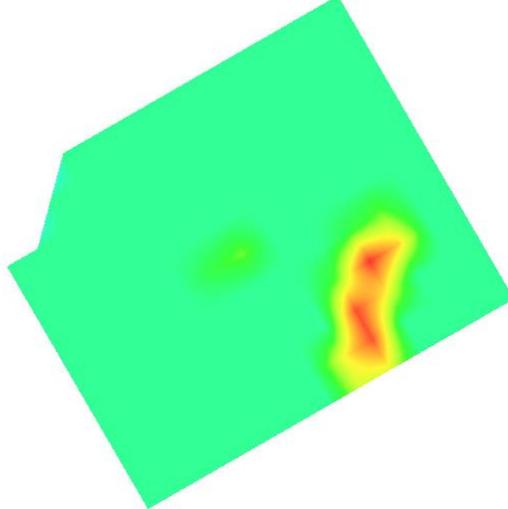
Maximum location: X=-16.00 Y=25.00

SAR Peak: 0.14 W/kg

| | |
|----------------|----------|
| SAR 10g (W/Kg) | 0.014450 |
| SAR 1g (W/Kg) | 0.040026 |

| Z (mm) | 0.00 | 2.00 | 6.00 | 10.00 | 14.00 |
|------------|--------|--------|--------|--------|--------|
| SAR (W/Kg) | 0.0775 | 0.0386 | 0.0059 | 0.0007 | 0.0014 |



| 3D screen shot | Hot spot position |
|--|---|
|  |  |

Plot 26: WIFI 5G 802.11a(20MHz), Face , Middle,15mm

Type: Phone measurement

Date of measurement: 12/21/2019

Measurement duration: 22 minutes 29 seconds

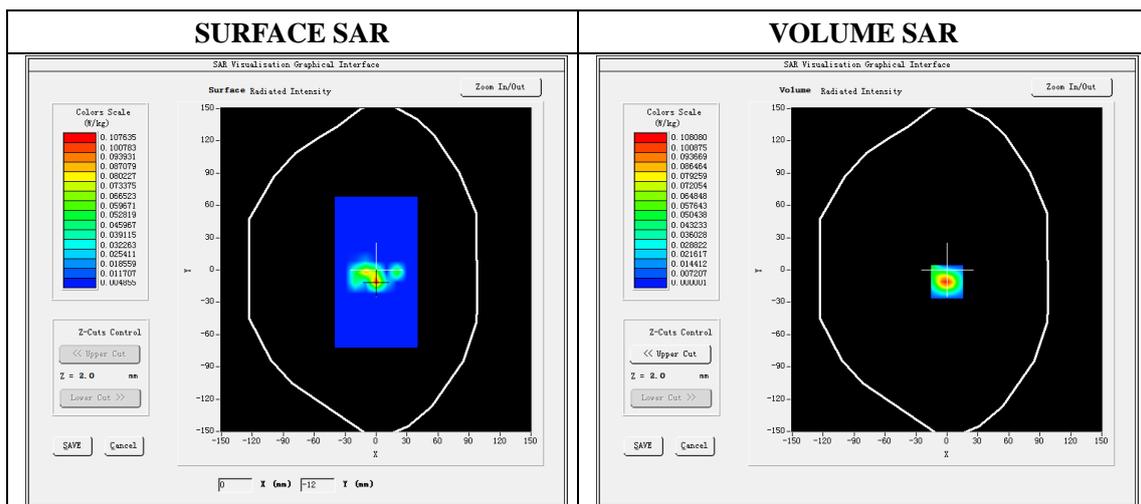
Mobile Phone IMEI number: --

A. Experimental conditions.

| | |
|------------------------|------------------------------|
| Area Scan | dx=4mm,dy=4mm |
| ZoomScan | 7x7x12,dx=4m, dy=4mm, dz=2mm |
| Phantom | Validation plane |
| Device Position | Face |
| Band | WIFI 5G |
| Channels | 36 |
| Signal | OFDM (Duty cycle: 1:1) |

B. SAR Measurement Results

| | |
|--|-------------------------|
| E-Field Probe | SATIMO SN_27/15_EPG0261 |
| Frequency (MHz) | 5180 |
| Relative permittivity (real part) | 49.43 |
| Relative permittivity (imaginary) | 18.42 |
| Conductivity (S/m) | 5.32 |
| Variation (%) | -1.93 |
| ConvF: | 2.21 |



Maximum location: X=0.00 Y=-11.00

SAR Peak: 0.28 W/kg

| | |
|-----------------------|----------|
| SAR 10g (W/Kg) | 0.016634 |
| SAR 1g (W/Kg) | 0.062119 |

