

Appendix B. MEASUREMENT SCANS

Date of measurement: 09/7/2020

Next to the mouth Test data (Separation Distance is 10 mm)

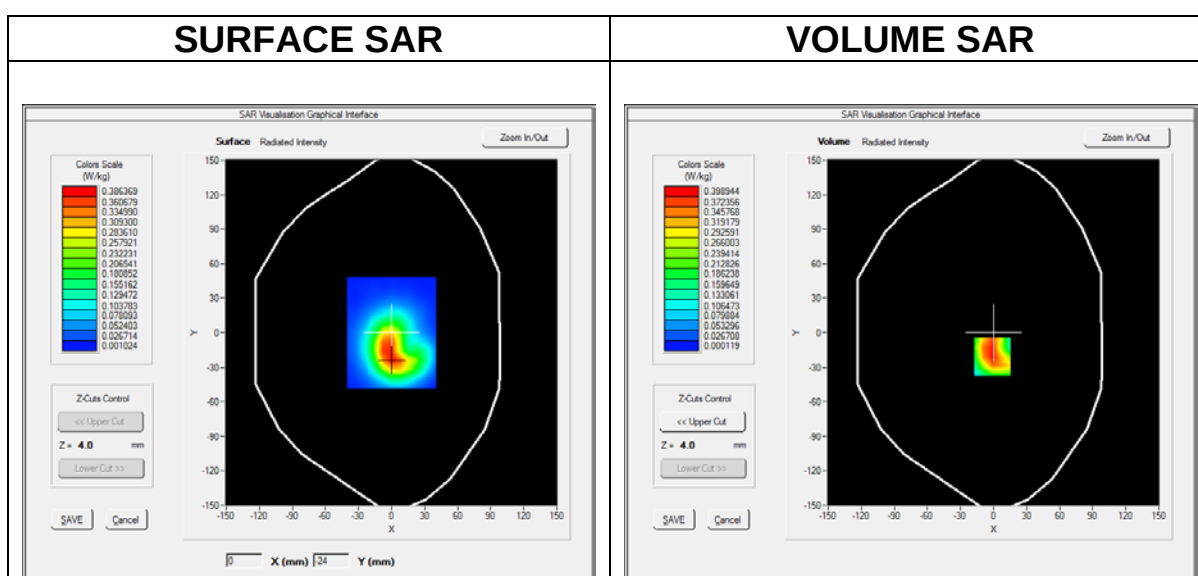
A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 4.1)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 189):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	4.650000



Maximum location: X=-1.00, Y=-21.00

SAR Peak: 1.15 W/kg

SAR 10g (W/Kg)	0.199417
SAR 1g (W/Kg)	0.489451

Date of measurement: 09/7/2020

Next to the mouth Test data (Separation Distance is 10 mm)

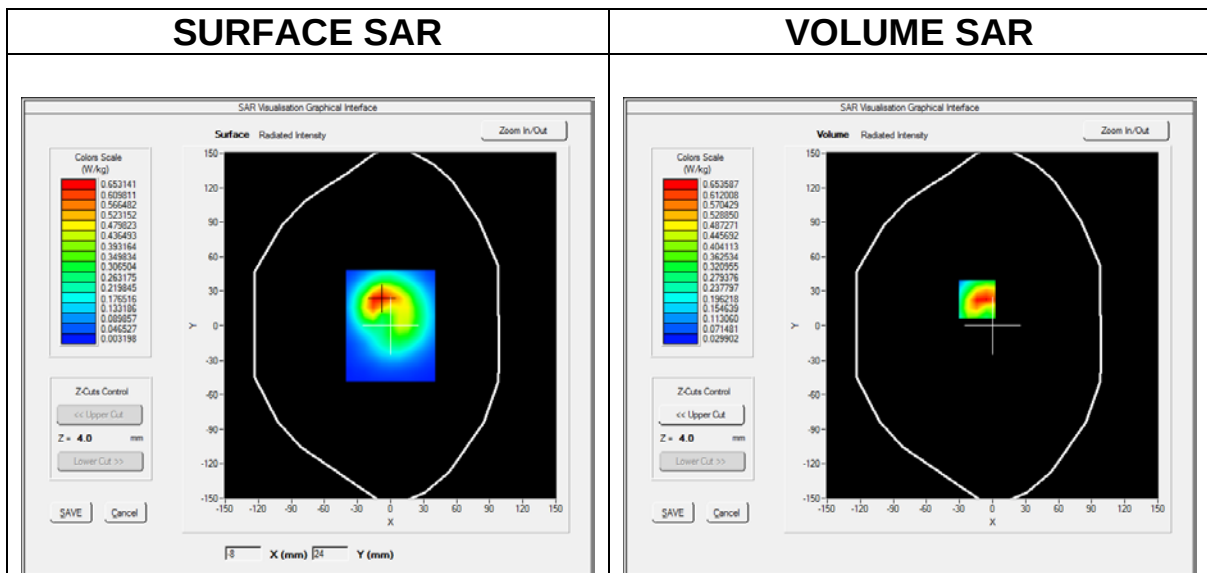
A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 4.1)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 189):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	-3.200000



Maximum location: X=-14.00, Y=23.00

SAR Peak: 1.05 W/kg

SAR 10g (W/Kg)	0.352047
SAR 1g (W/Kg)	0.628056

Date of measurement: 09/7/2020
 Extremity Test data (Separation Distance is 0 cm)

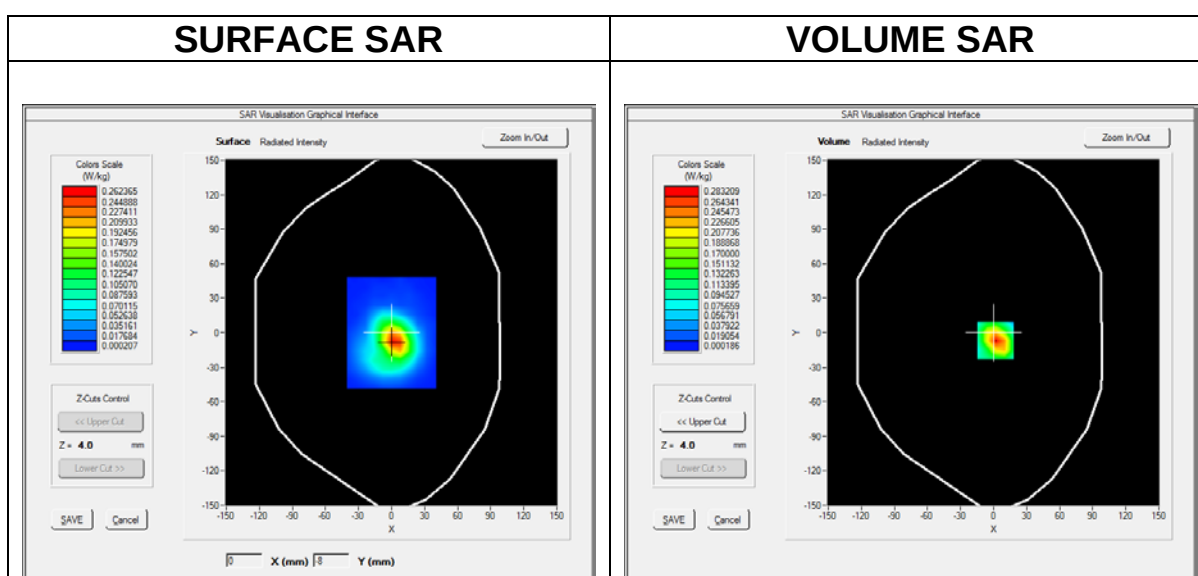
A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 4.1)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 189):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	-6.740000



Maximum location: X=2.00, Y=-7.00

SAR Peak: 0.68 W/kg

SAR 10g (W/Kg)	0.120465
SAR 1g (W/Kg)	0.289855

Date of measurement: 09/7/2020
 Extremity Test data (Separation Distance is 0 cm)

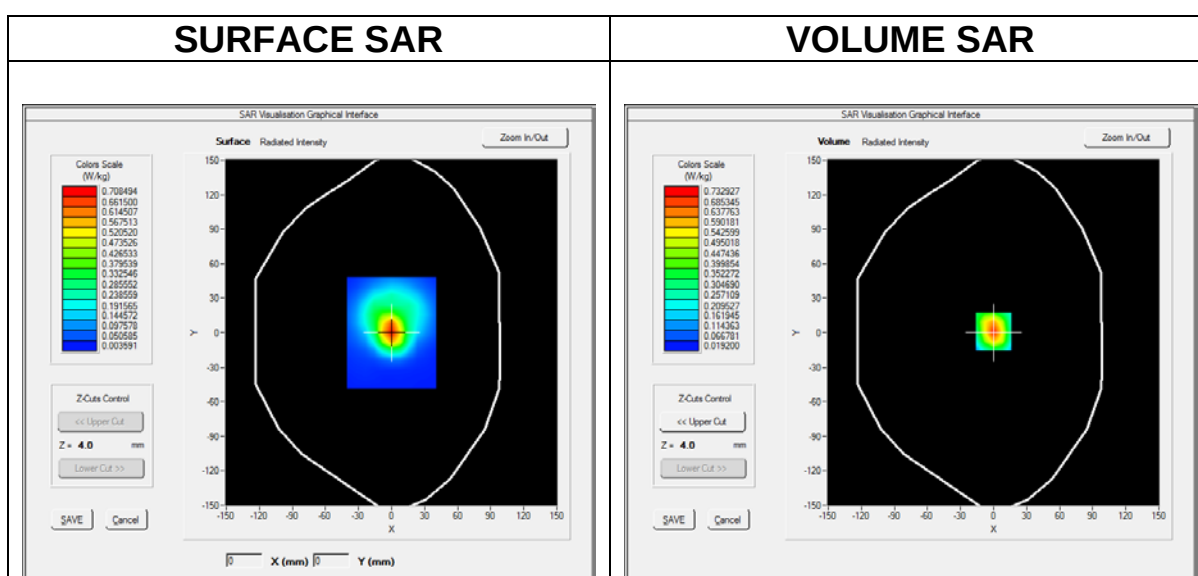
A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 4.1)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 189):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	-2.140000



Maximum location: X=0.00, Y=1.00

SAR Peak: 1.08 W/kg

SAR 10g (W/Kg)	0.367334
SAR 1g (W/Kg)	0.673008

Date of measurement: 12/7/2020

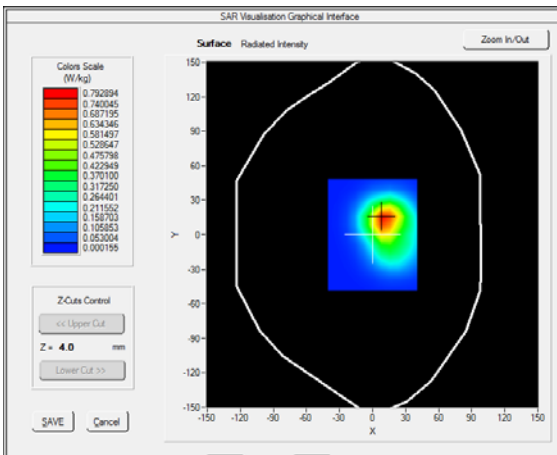
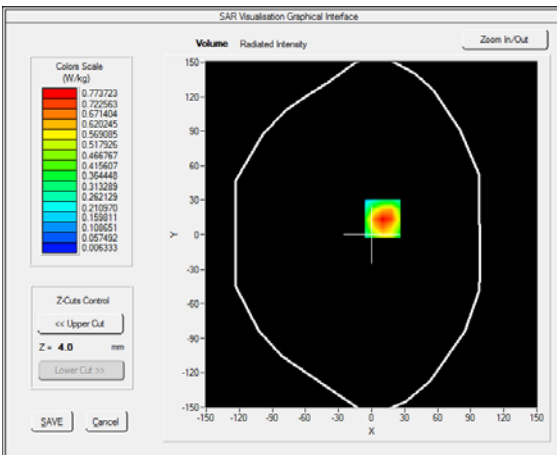
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

Area Scan	<u>surf_sam_plan.txt, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>GSM1900</u>
Channels	<u>Middle</u>
Signal	<u>TDMA (Crest factor: 8.3)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	-16.040001
SURFACE SAR	VOLUME SAR
	

Maximum location: X=10.00, Y=14.00

SAR Peak: 1.26 W/kg

SAR 10g (W/Kg)	0.402935
SAR 1g (W/Kg)	0.742917

Date of measurement: 12/7/2020

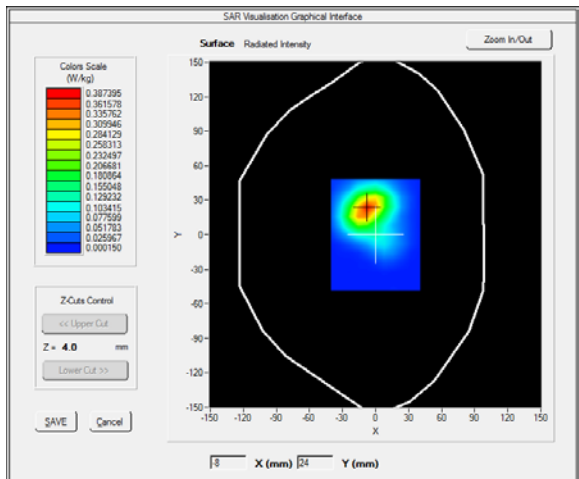
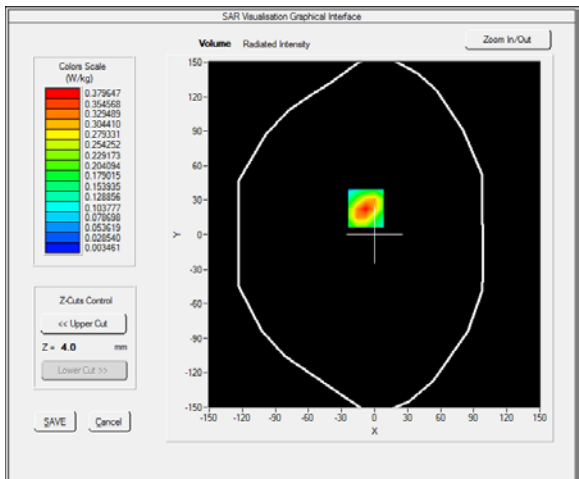
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 8.3)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	-1.920000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-8.00, Y=23.00

SAR Peak: 0.59 W/kg

SAR 10g (W/Kg)	0.185964
SAR 1g (W/Kg)	0.355115

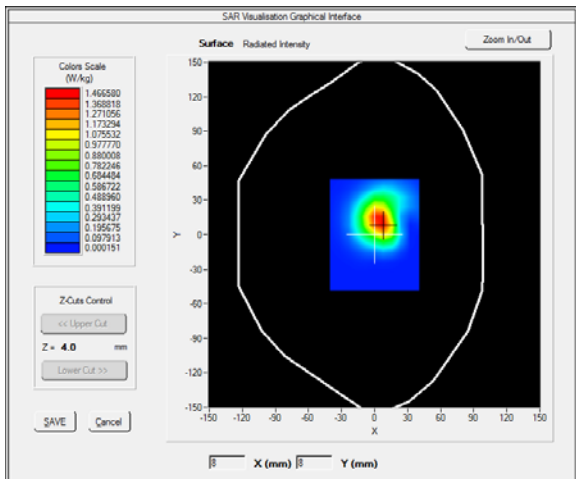
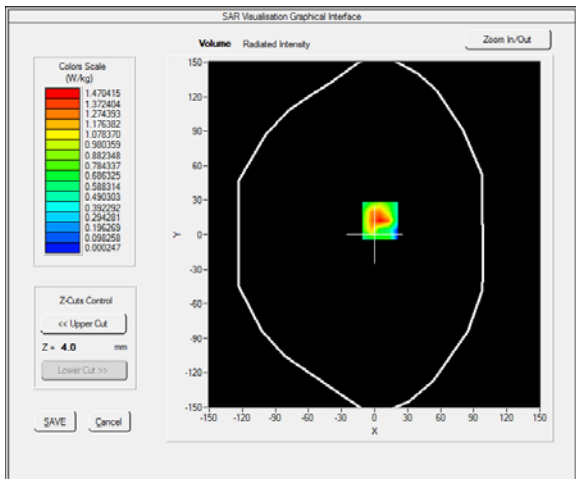
Date of measurement: 12/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 8.3)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	-2.820000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=12.00

SAR Peak: 2.31 W/kg

SAR 10g (W/Kg)	0.709869
SAR 1g (W/Kg)	1.348161

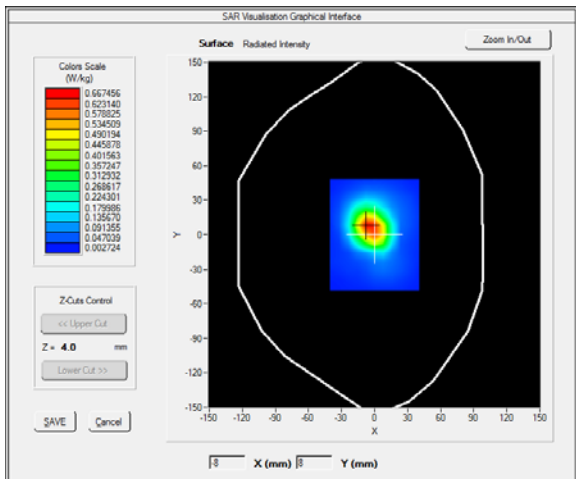
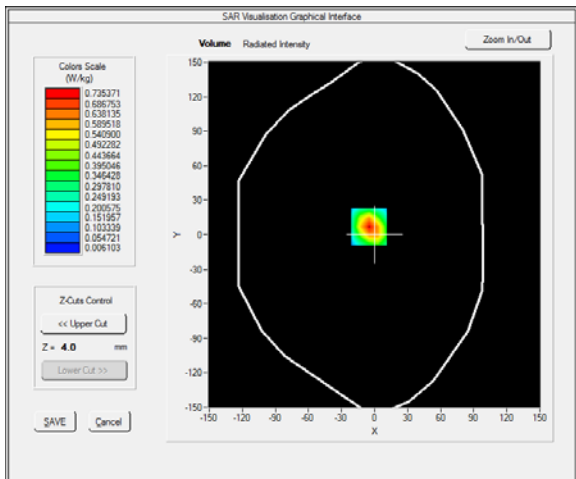
Date of measurement: 12/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>GSM1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>TDMA (Crest factor: 8.3)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	-1.830000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=7.00

SAR Peak: 1.16 W/kg

SAR 10g (W/Kg)	0.360401
SAR 1g (W/Kg)	0.694037

Date of measurement: 12/7/2020

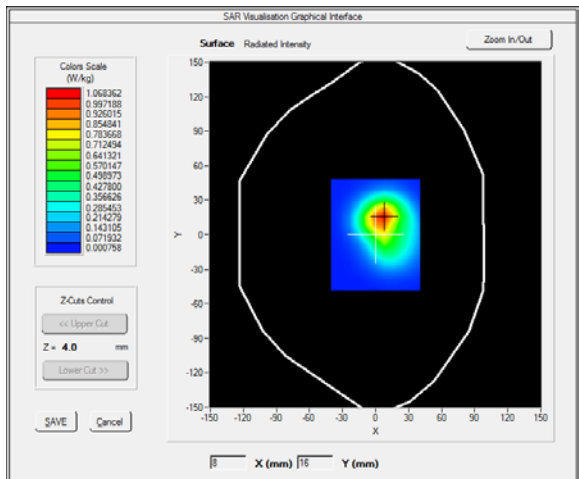
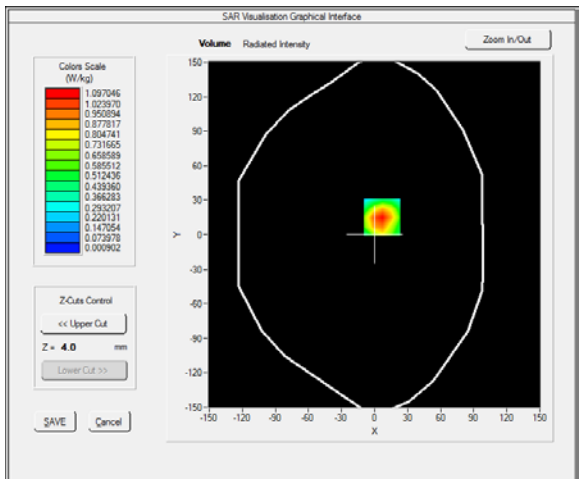
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7, dx=8mm dy=8mm</u> <u>dz=5mm, Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 661):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	-95.730003
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=15.00

SAR Peak: 1.77 W/kg

SAR 10g (W/Kg)	0.570548
SAR 1g (W/Kg)	1.065414

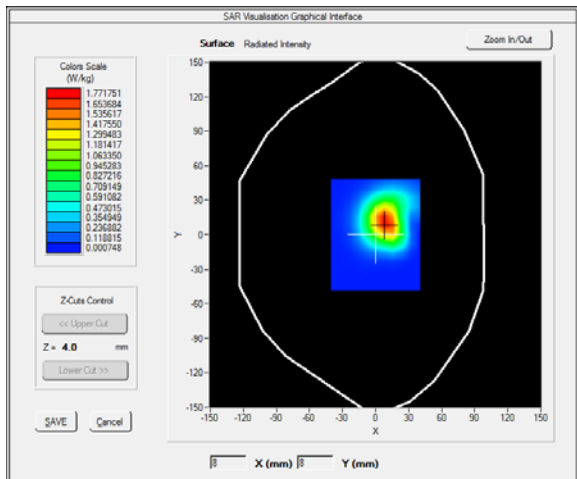
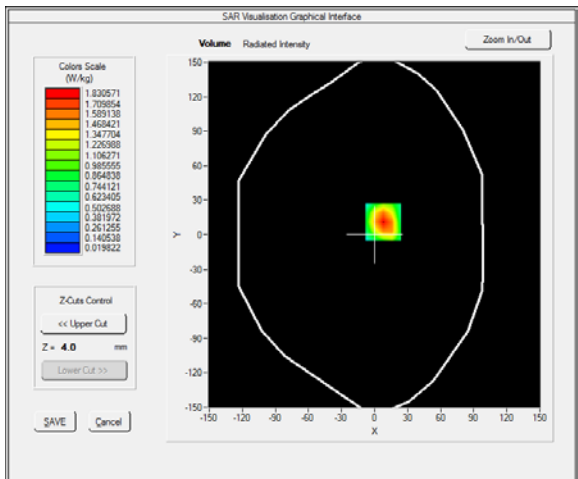
Date of measurement: 12/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band2 WCDMA1900</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 9400):

Frequency (MHz)	1880.000000
Relative permittivity (real part)	38.433399
Relative permittivity (imaginary part)	13.200500
Conductivity (S/m)	1.378719
Variation (%)	0.280000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=11.00

SAR Peak: 2.81 W/kg

SAR 10g (W/Kg)	0.940482
SAR 1g (W/Kg)	1.743186

Date of measurement: 11/7/2020

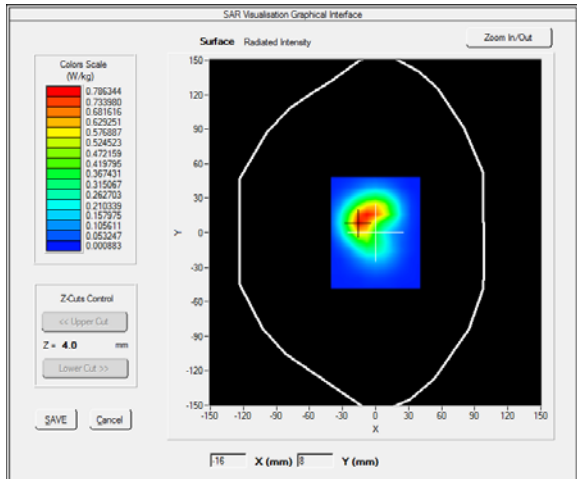
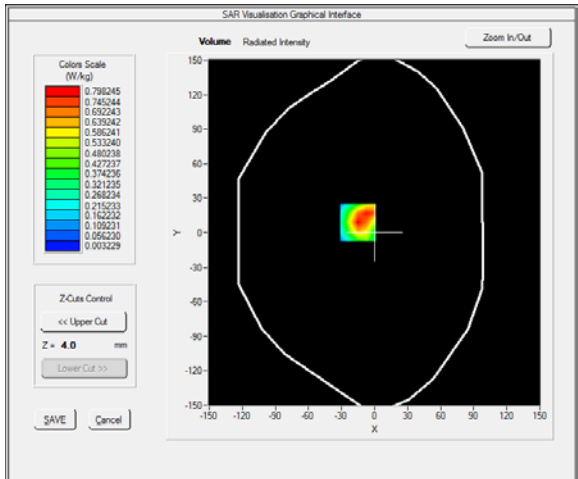
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 1412):

Frequency (MHz)	1732.000000
Relative permittivity (real part)	39.288200
Relative permittivity (imaginary part)	14.244500
Conductivity (S/m)	1.370637
Variation (%)	0.190000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-15.00, Y=9.00

SAR Peak: 1.24 W/kg

SAR 10g (W/Kg)	0.414240
SAR 1g (W/Kg)	0.768228

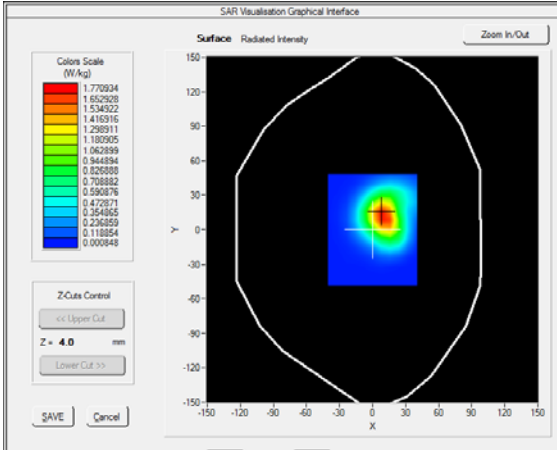
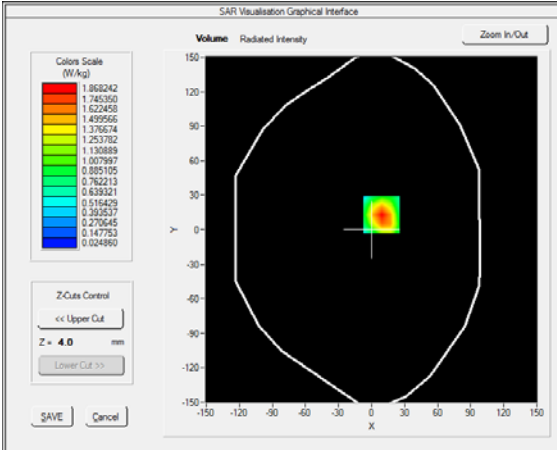
Date of measurement: 11/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA1700</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 1412):

Frequency (MHz)	1732.000000
Relative permittivity (real part)	39.288200
Relative permittivity (imaginary part)	14.244500
Conductivity (S/m)	1.370637
Variation (%)	0.660000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=9.00, Y=13.00

SAR Peak: 2.84 W/kg

SAR 10g (W/Kg)	0.964131
SAR 1g (W/Kg)	1.777328

Date of measurement: 09/7/2020

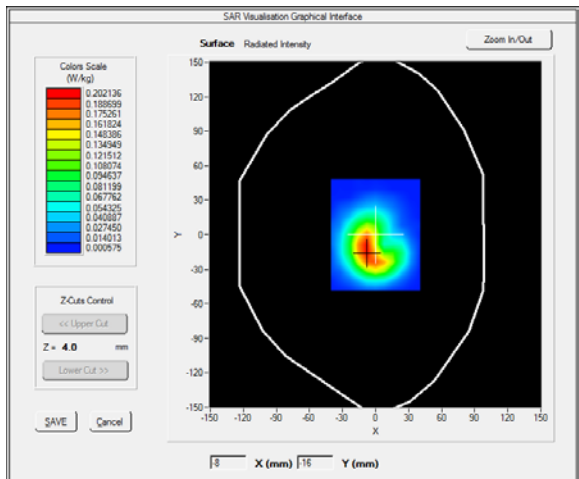
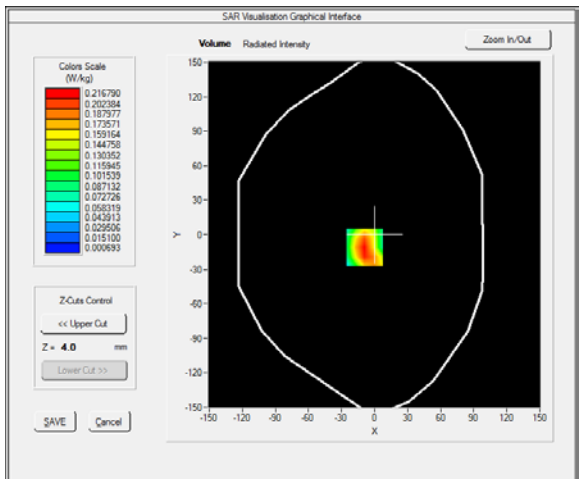
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

Area Scan	<u>surf_sam_plan.txt, h= 5.00 mm</u>
ZoomScan	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
Phantom	<u>Validation plane</u>
Device Position	<u>Body</u>
Band	<u>Band5 WCDMA850</u>
Channels	<u>Middle</u>
Signal	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	2.520000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-9.00, Y=-11.00

SAR Peak: 0.37 W/kg

SAR 10g (W/Kg)	0.104521
SAR 1g (W/Kg)	0.209295

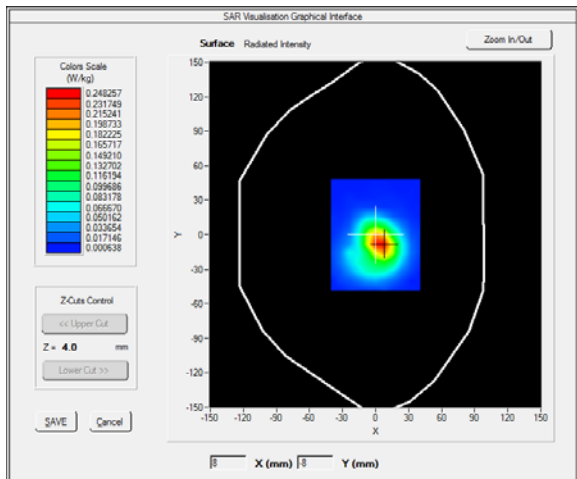
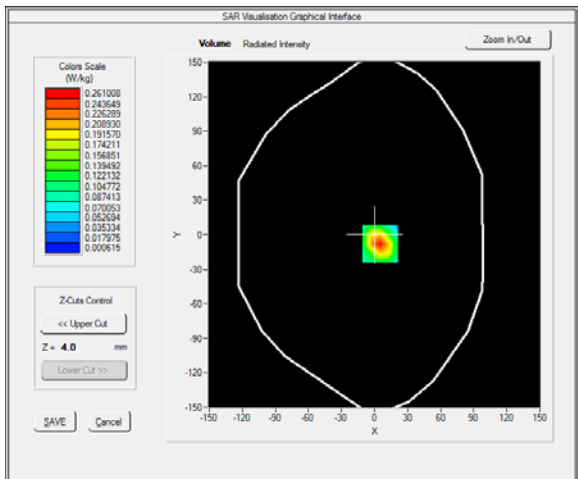
Date of measurement: 09/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Band5 WCDMA850</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>WCDMA (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 4182):

Frequency (MHz)	836.400024
Relative permittivity (real part)	40.415878
Relative permittivity (imaginary part)	19.257500
Conductivity (S/m)	0.894832
Variation (%)	-5.760000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=5.00, Y=-8.00

SAR Peak: 0.45 W/kg

SAR 10g (W/Kg)	0.115241
SAR 1g (W/Kg)	0.246960

Date of measurement: 15/7/2020

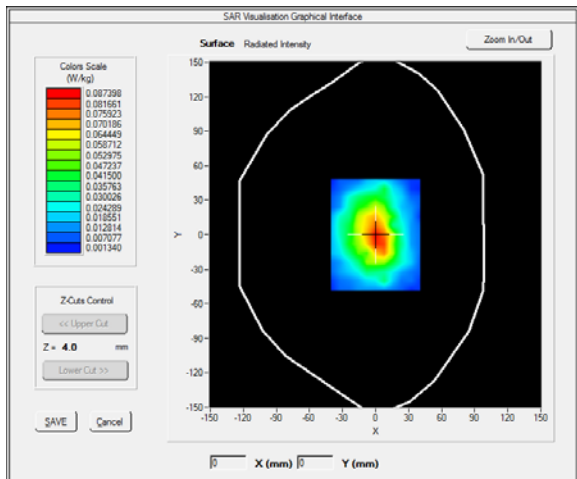
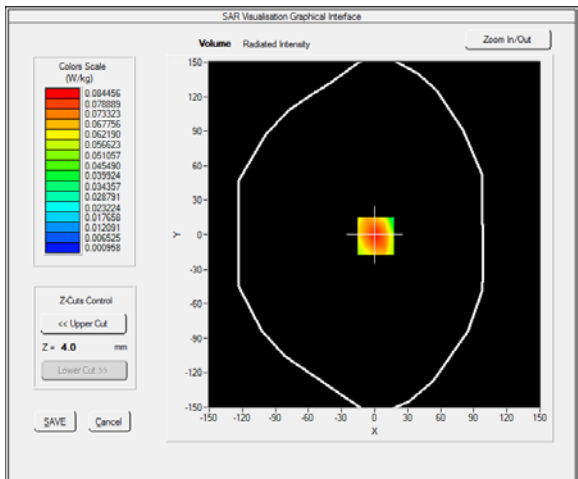
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Bluetooth</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Bluetooth (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 0):

Frequency (MHz)	2402.000000
Relative permittivity (real part)	36.783298
Relative permittivity (imaginary part)	13.481900
Conductivity (S/m)	1.825299
Variation (%)	7.350000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=-1.00

SAR Peak: 0.14 W/kg

SAR 10g (W/Kg)	0.046383
SAR 1g (W/Kg)	0.084479

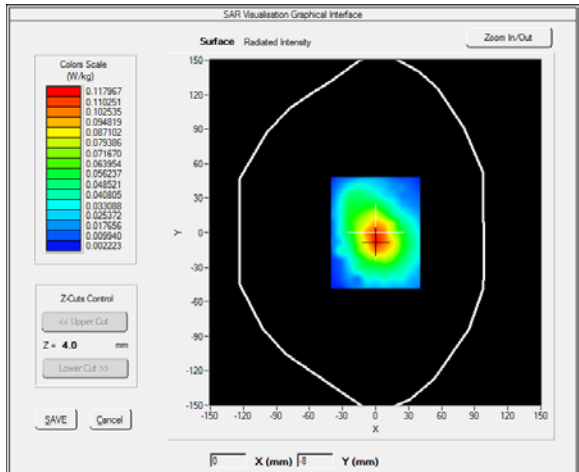
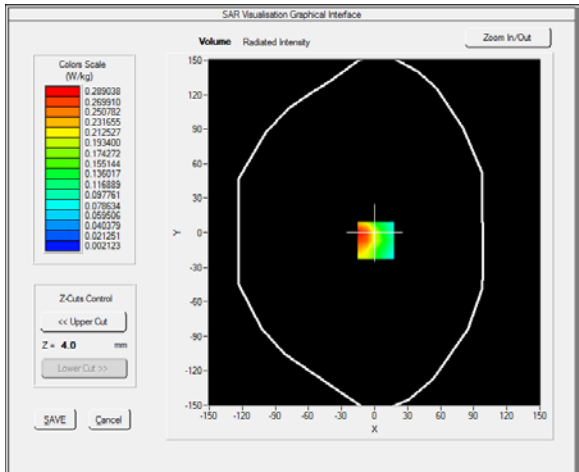
Date of measurement: 15/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>Bluetooth</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>Bluetooth (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 0):

Frequency (MHz)	2402.000000
Relative permittivity (real part)	36.783298
Relative permittivity (imaginary part)	13.481900
Conductivity (S/m)	1.825299
Variation (%)	14.180000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=-7.00

SAR Peak: 0.36 W/kg

SAR 10g (W/Kg)	0.140412
SAR 1g (W/Kg)	0.254673

Date of measurement: 12/7/2020

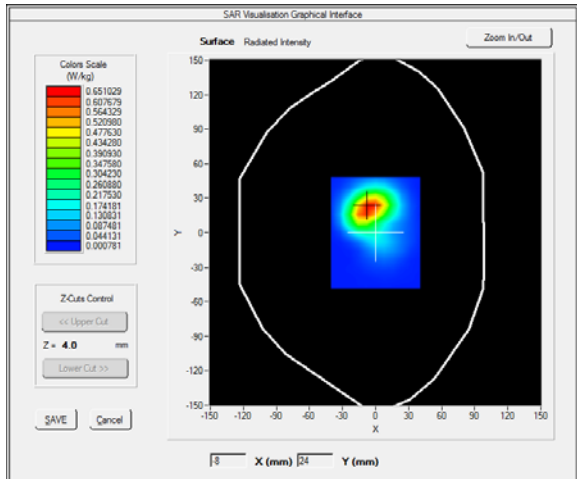
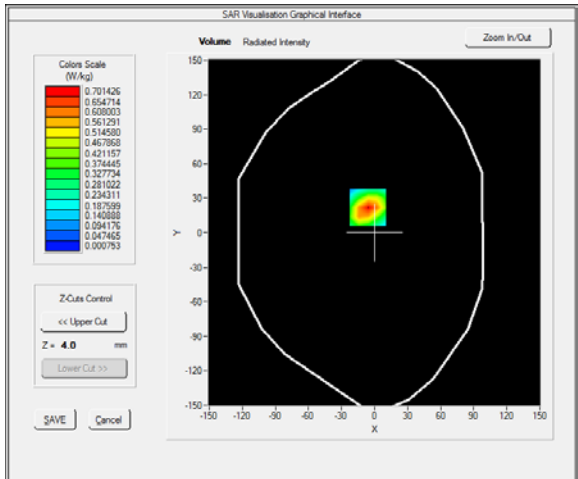
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1879.500000
Relative permittivity (real part)	38.414349
Relative permittivity (imaginary part)	13.211250
Conductivity (S/m)	1.379475
Variation (%)	-2.110001
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-6.00, Y=22.00

SAR Peak: 1.12 W/kg

SAR 10g (W/Kg)	0.338358
SAR 1g (W/Kg)	0.663999

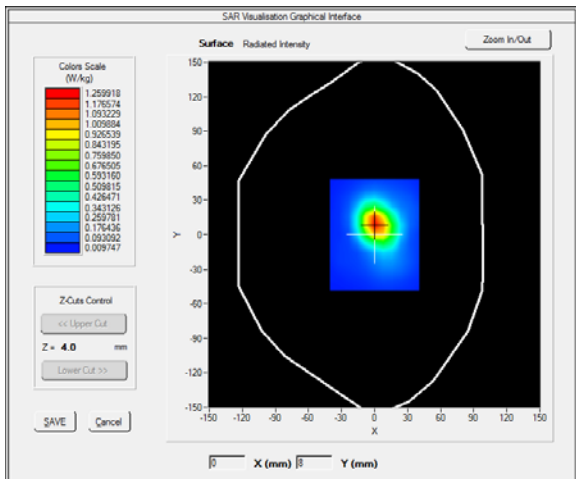
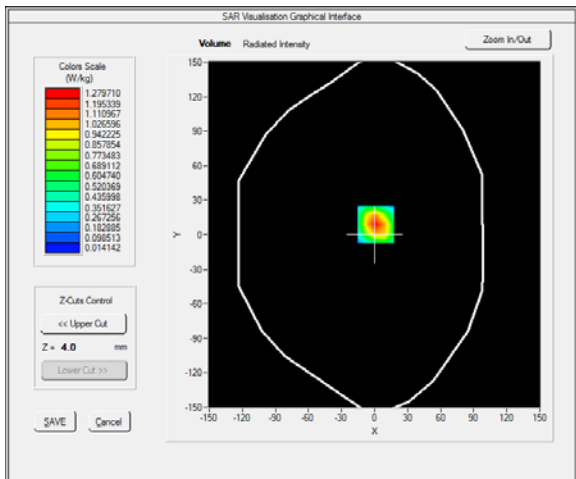
Date of measurement: 12/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 2</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 18900):

Frequency (MHz)	1879.500000
Relative permittivity (real part)	38.414349
Relative permittivity (imaginary part)	13.211250
Conductivity (S/m)	1.379475
Variation (%)	2.230000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=9.00

SAR Peak: 1.92 W/kg

SAR 10g (W/Kg)	0.638568
SAR 1g (W/Kg)	1.194105

Date of measurement: 11/7/2020

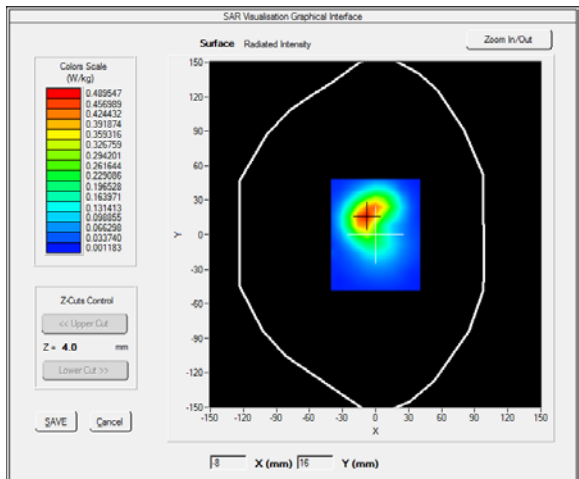
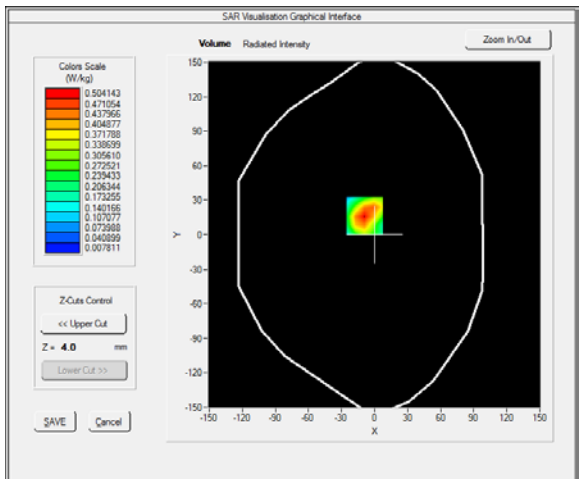
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.297798
Relative permittivity (imaginary part)	14.242600
Conductivity (S/m)	1.370850
Variation (%)	1.530000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-9.00, Y=16.00

SAR Peak: 0.75 W/kg

SAR 10g (W/Kg)	0.261173
SAR 1g (W/Kg)	0.477368

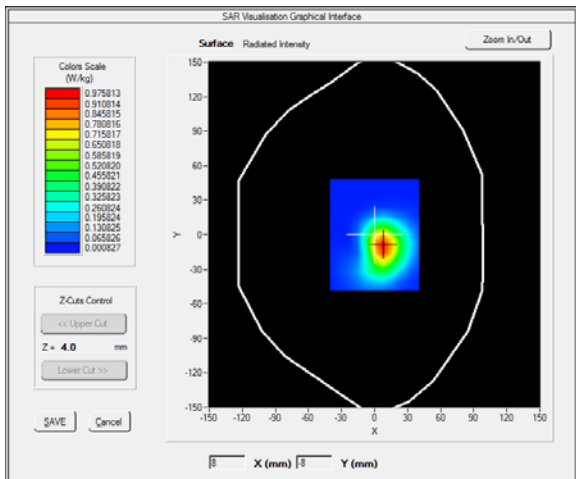
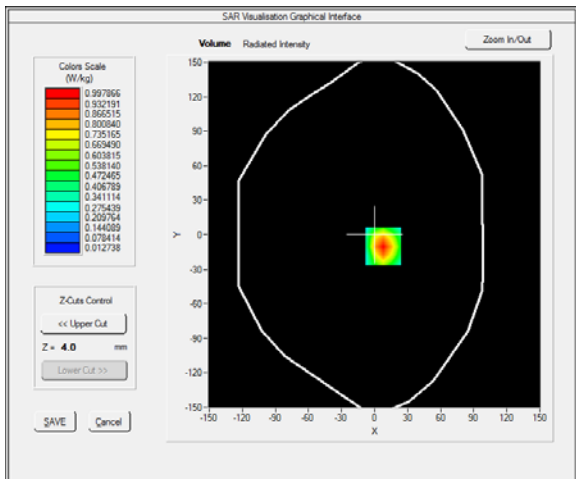
Date of measurement: 11/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 4</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 20175):

Frequency (MHz)	1732.500000
Relative permittivity (real part)	39.297798
Relative permittivity (imaginary part)	14.242600
Conductivity (S/m)	1.370850
Variation (%)	-0.910000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=-10.00

SAR Peak: 1.45 W/kg

SAR 10g (W/Kg)	0.511015
SAR 1g (W/Kg)	0.943842

Date of measurement: 09/7/2020

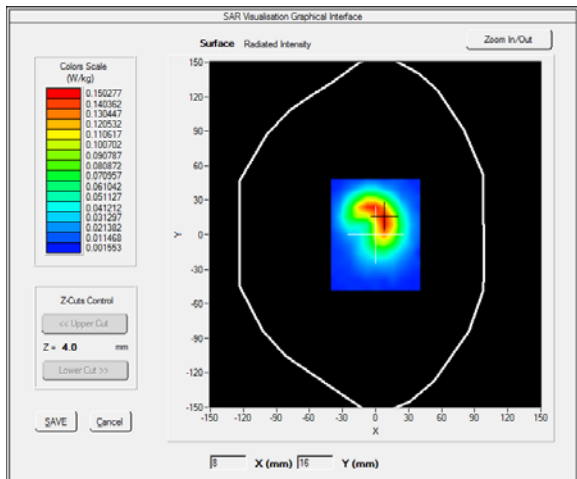
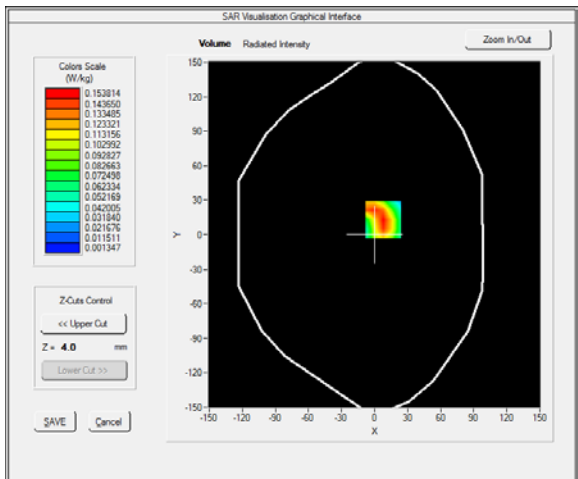
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 5</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 20525):

Frequency (MHz)	836.500000
Relative permittivity (real part)	40.418098
Relative permittivity (imaginary part)	19.261900
Conductivity (S/m)	0.895143
Variation (%)	-3.870000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=13.00

SAR Peak: 0.27 W/kg

SAR 10g (W/Kg)	0.071589
SAR 1g (W/Kg)	0.147011

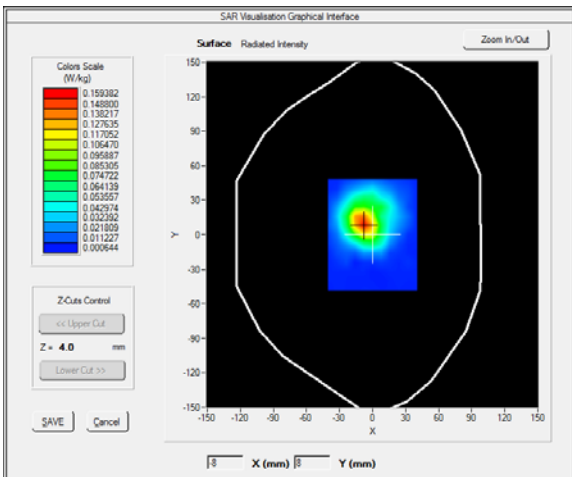
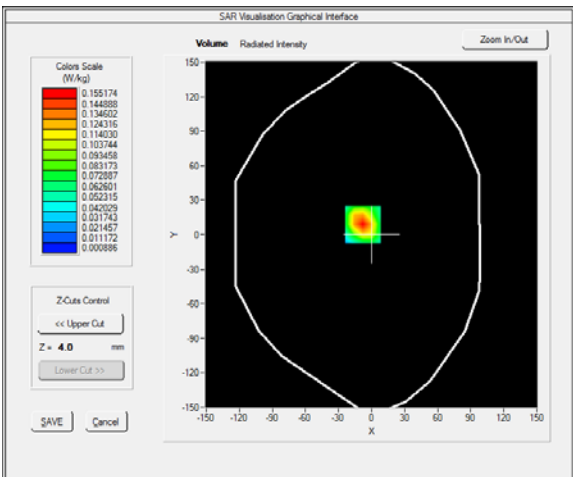
Date of measurement: 09/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 5</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 20525):

Frequency (MHz)	836.500000
Relative permittivity (real part)	40.418098
Relative permittivity (imaginary part)	19.261900
Conductivity (S/m)	0.895143
Variation (%)	-5.300000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=7.00, Y=-25.00

SAR Peak: 0.43 W/kg

SAR 10g (W/Kg)	0.135518
SAR 1g (W/Kg)	0.324797

Date of measurement: 07/7/2020

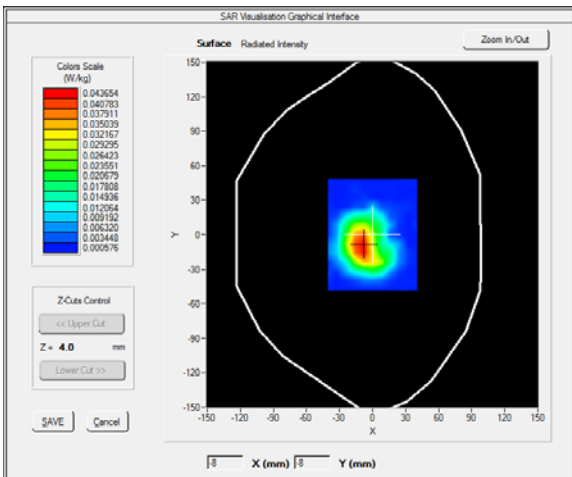
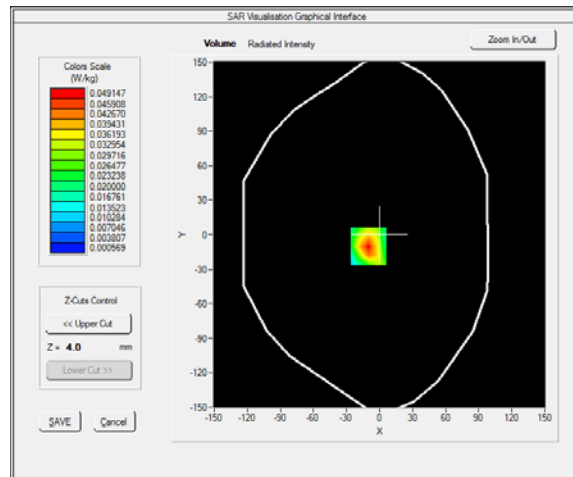
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 12</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 23095):

Frequency (MHz)	707.500000
Relative permittivity (real part)	42.034801
Relative permittivity (imaginary part)	20.835951
Conductivity (S/m)	0.818969
Variation (%)	-0.900000
SURFACE SAR	VOLUME SAR
	

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

SAR Peak: 0.09 W/kg

SAR 10g (W/Kg)	0.021014
SAR 1g (W/Kg)	0.046258

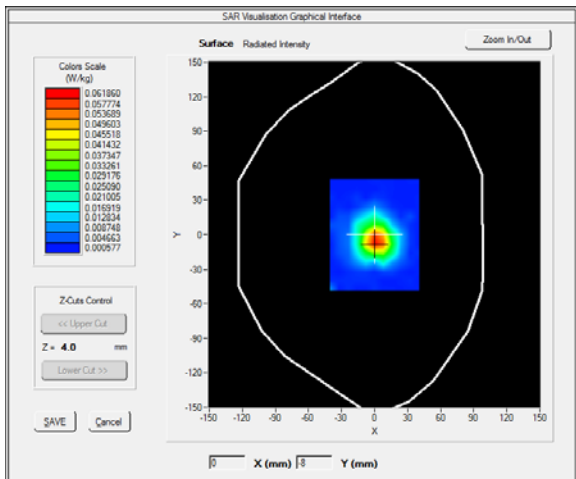
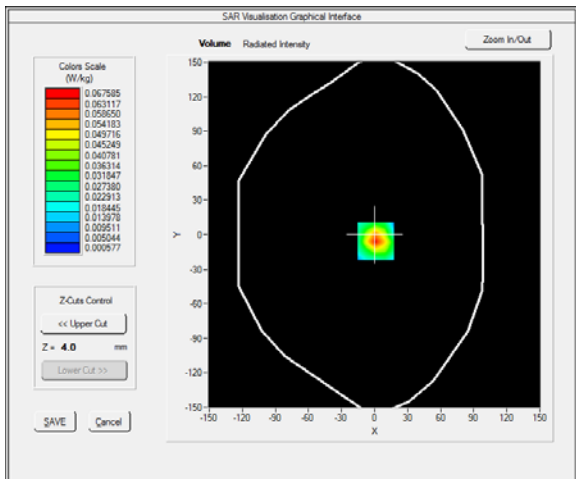
Date of measurement: 07/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 12</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 23095):

Frequency (MHz)	707.500000
Relative permittivity (real part)	42.034801
Relative permittivity (imaginary part)	20.835951
Conductivity (S/m)	0.818969
Variation (%)	-2.990000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=1.00, Y=-6.00

SAR Peak: 0.12 W/kg

SAR 10g (W/Kg)	0.061581
SAR 1g (W/Kg)	0.162143

Date of measurement: 07/7/2020

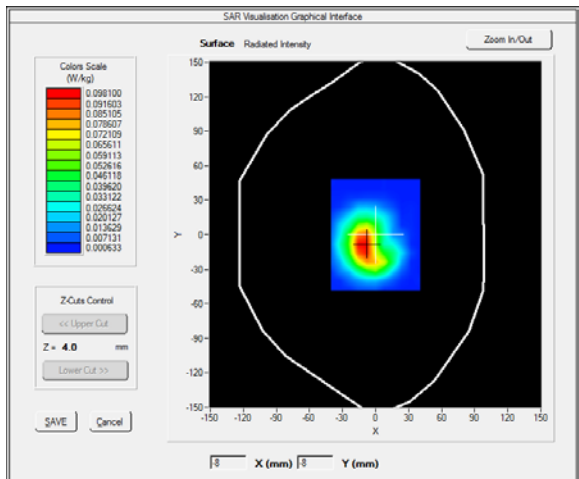
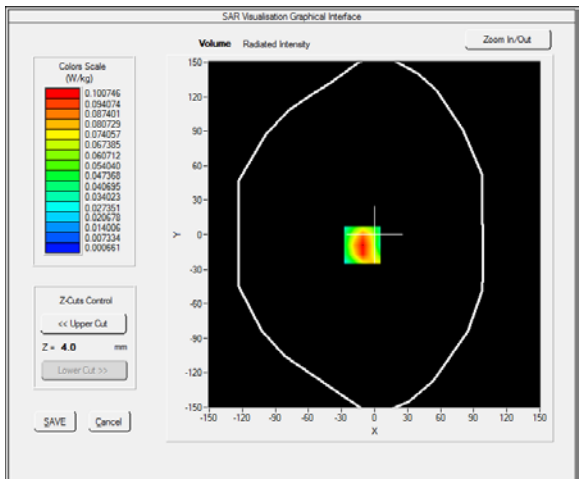
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 13</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 23230):

Frequency (MHz)	781.500000
Relative permittivity (real part)	40.682701
Relative permittivity (imaginary part)	20.716749
Conductivity (S/m)	0.899452
Variation (%)	-7.880000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-11.00, Y=-9.00

SAR Peak: 0.18 W/kg

SAR 10g (W/Kg)	0.047278
SAR 1g (W/Kg)	0.098716

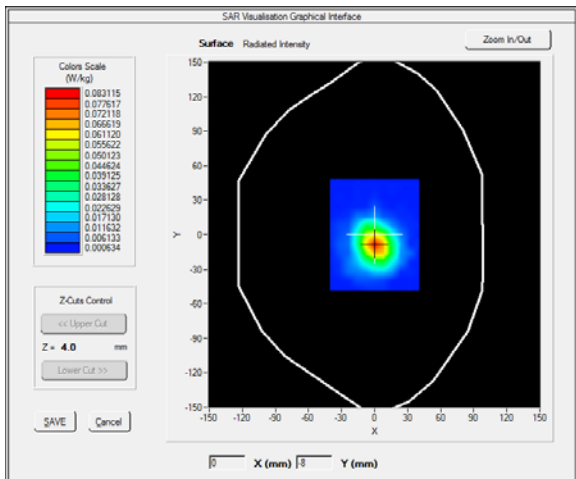
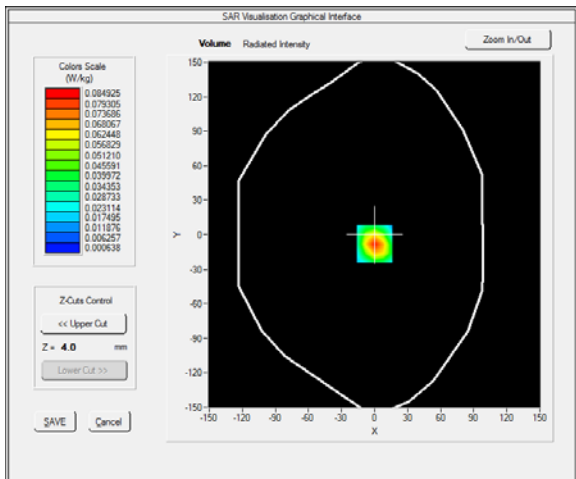
Date of measurement: 07/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>surf_sam_plan.txt, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/nsurf_sam_plan.txt, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 13</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 23230):

Frequency (MHz)	781.500000
Relative permittivity (real part)	40.682701
Relative permittivity (imaginary part)	20.716749
Conductivity (S/m)	0.899452
Variation (%)	-3.450000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=0.00, Y=-4.00

SAR Peak: 0.85 W/kg

SAR 10g (W/Kg)	0.145514
SAR 1g (W/Kg)	0.279959

Date of measurement: 11/7/2020

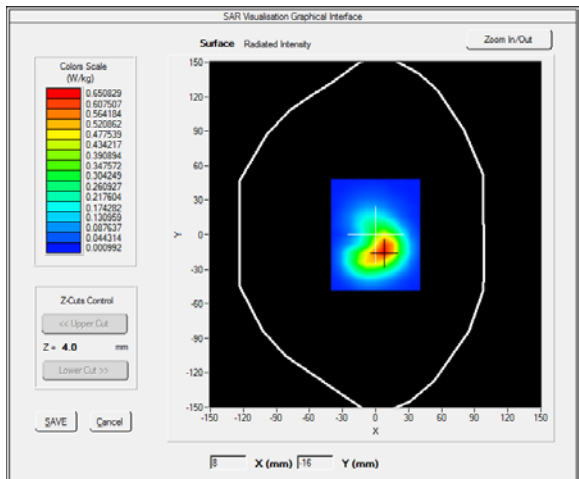
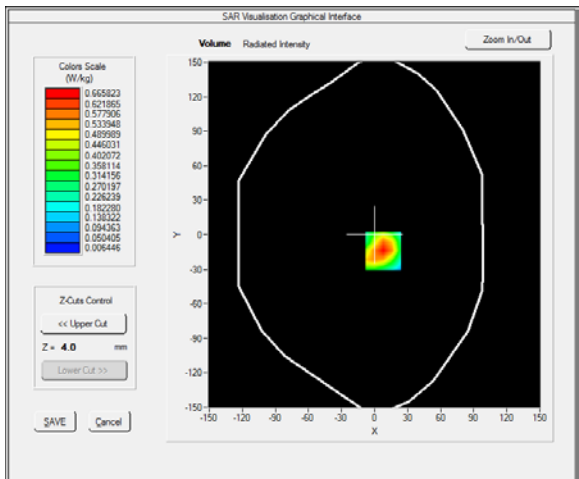
Next to the mouth Test data (Separation Distance is 10 mm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 66</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 132322):

Frequency (MHz)	1745.000000
Relative permittivity (real part)	39.009335
Relative permittivity (imaginary part)	13.553667
Conductivity (S/m)	1.385633
Variation (%)	-1.980000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=8.00, Y=-14.00

SAR Peak: 0.96 W/kg

SAR 10g (W/Kg)	0.350978
SAR 1g (W/Kg)	0.629614

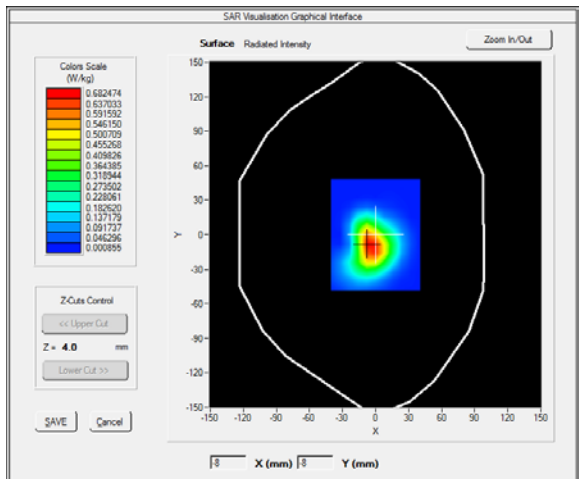
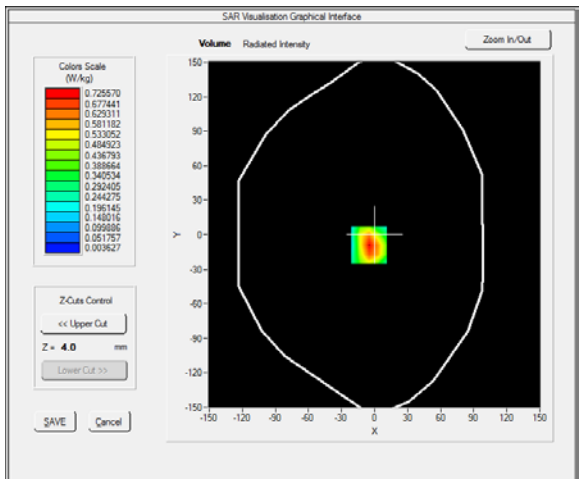
Date of measurement: 11/7/2020
 Extremity Test data (Separation Distance is 0 cm)

A. Experimental conditions.

<u>Area Scan</u>	<u>dx=8mm dy=8mm, h= 5.00 mm</u>
<u>ZoomScan</u>	<u>5x5x7,dx=8mm dy=8mm</u> <u>dz=5mm,Complete/ndx=8mm dy=8mm, h=</u> <u>5.00 mm</u>
<u>Phantom</u>	<u>Validation plane</u>
<u>Device Position</u>	<u>Body</u>
<u>Band</u>	<u>LTE band 66</u>
<u>Channels</u>	<u>Middle</u>
<u>Signal</u>	<u>LTE (Crest factor: 1.0)</u>

C. SAR Measurement Results

Middle Band SAR (Channel 132322):

Frequency (MHz)	1745.000000
Relative permittivity (real part)	39.009335
Relative permittivity (imaginary part)	13.553667
Conductivity (S/m)	1.385633
Variation (%)	0.880000
SURFACE SAR	VOLUME SAR
	

Maximum location: X=-5.00, Y=-9.00

SAR Peak: 1.09 W/kg

SAR 10g (W/Kg)	0.379158
SAR 1g (W/Kg)	0.690619