15.2 SAR Test Graph Results

SAR plots for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination according to FCC KDB 865664 D02

Plot 1

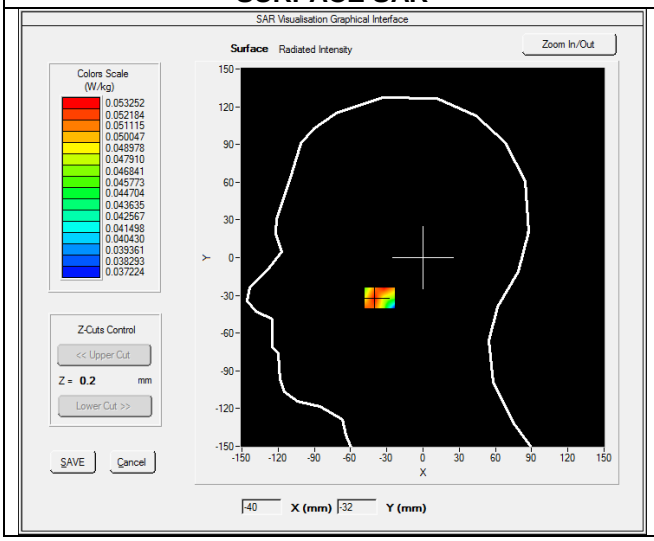
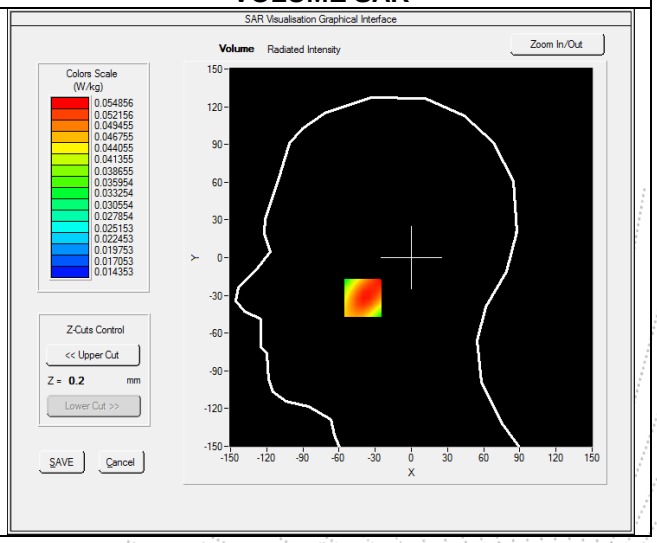
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. Permitivity

Frequency (MHz)	824.200
Relative permitivity (real part)	41.748
Relative permitivity (imaginary part)	19.649
Conductivity (S/m)	0.890

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

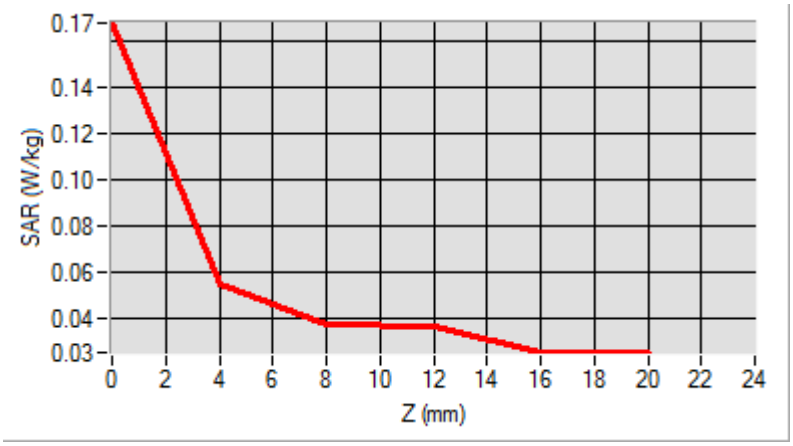
Maximum location: X=-40.00, Y=-32.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

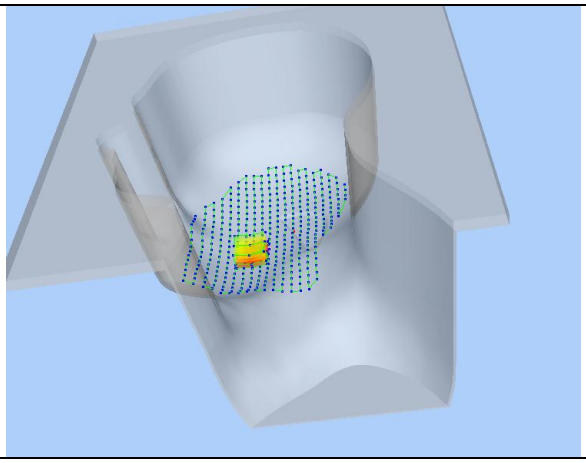
SAR 10g (W/Kg)	0.040
SAR 1g (W/Kg)	0.052
Variation (%)	-0.880
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.168	0.055	0.038	0.037	0.025



F. 3D Image

3D screen shot	Hot spot position
	

Plot 2

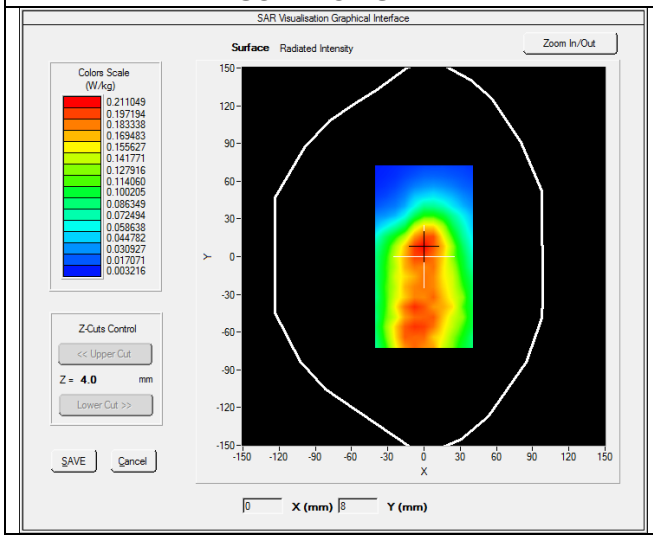
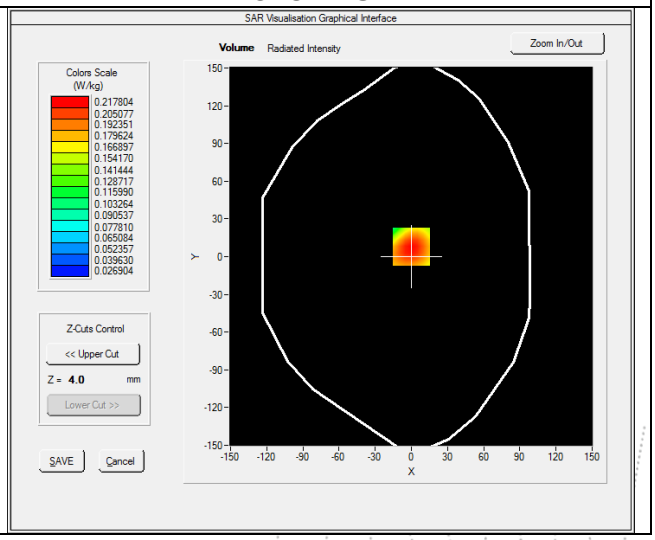
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	GPRS850_2TX
Channels	Low
Signal	Custom (Crest factor: 4.0)

B. Permitivity

Frequency (MHz)	824.200
Relative permitivity (real part)	41.748
Relative permitivity (imaginary part)	19.649
Conductivity (S/m)	0.890

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

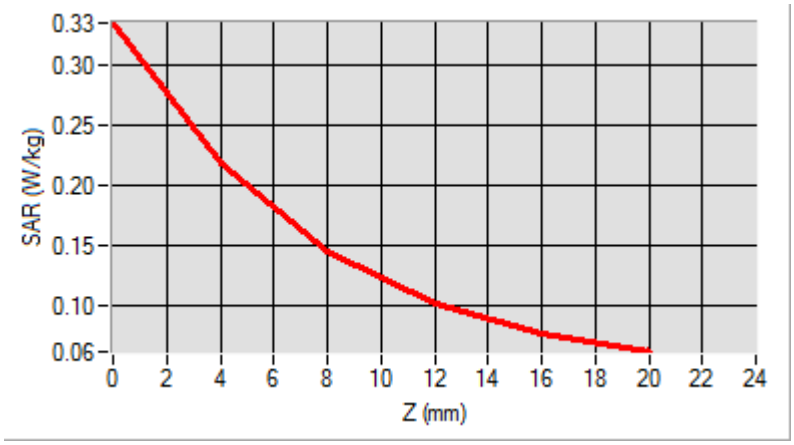
Maximum location: X=0.00, Y=8.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

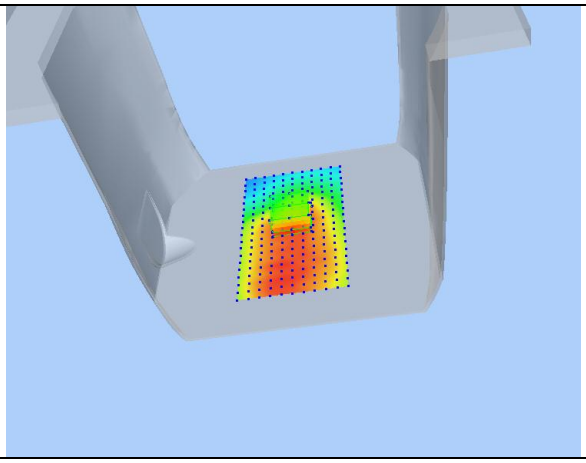
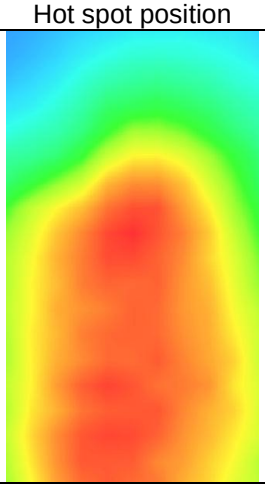
SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.209
Variation (%)	0.990
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.334	0.218	0.144	0.101	0.077



F. 3D Image

3D screen shot	Hot spot position
	

Plot 3

A. Experimental conditions.

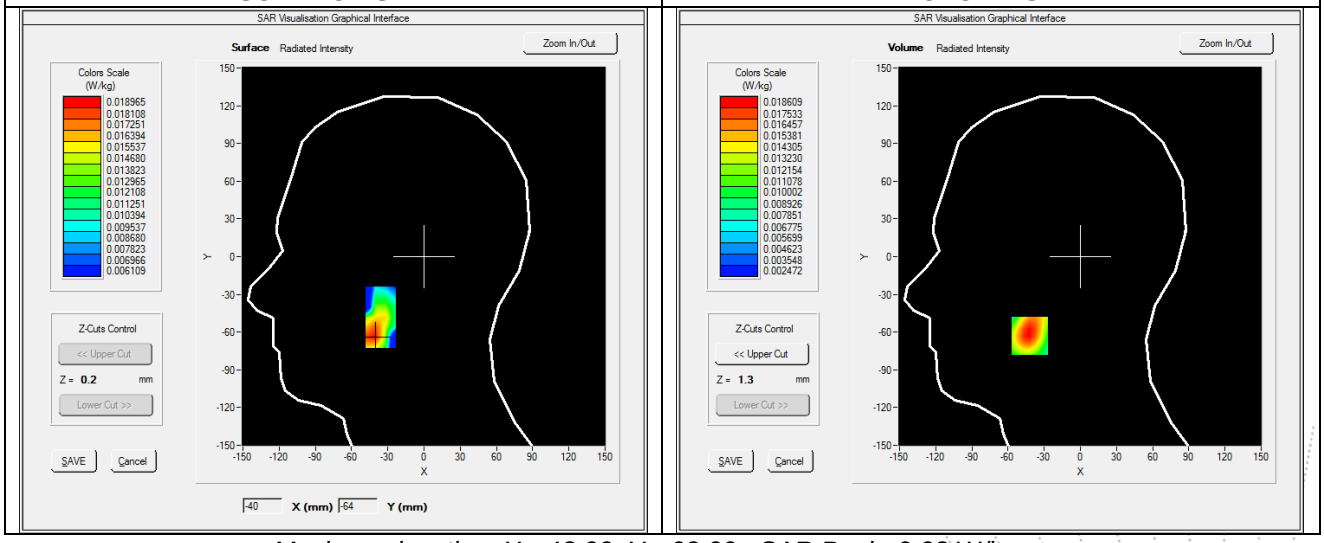
Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels	Low
Signal	TDMA (Crest factor: 8.0)

B. Permitivity

Frequency (MHz)	1850.200
Relative permitivity (real part)	40.597
Relative permitivity (imaginary part)	13.629
Conductivity (S/m)	1.401

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



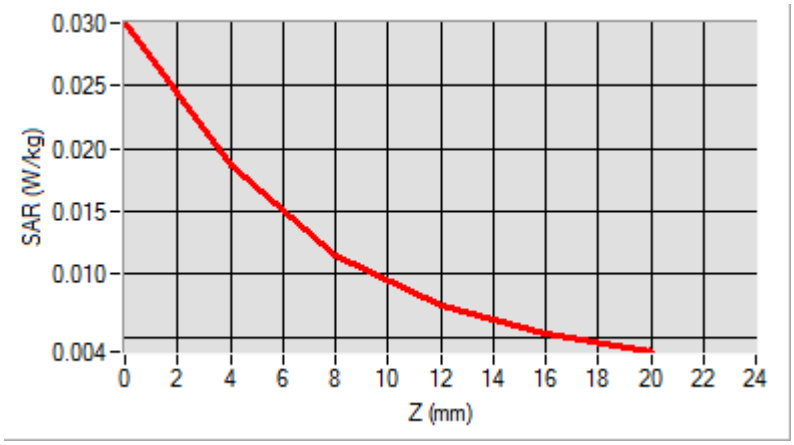
Maximum location: X=-42.00, Y=-63.00 ; SAR Peak: 0.03 W/kg

D. SAR 1g & 10g

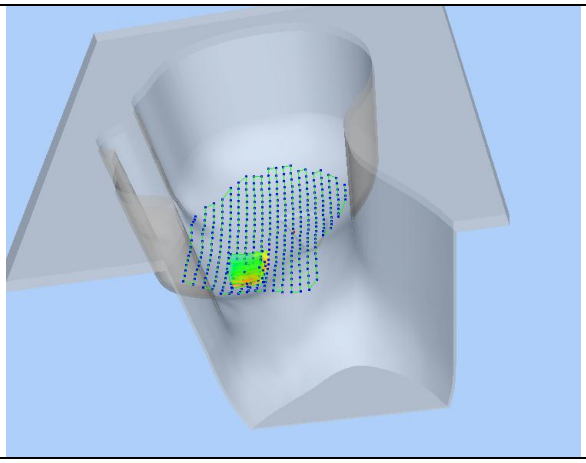
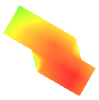
SAR 10g (W/Kg)	0.010
SAR 1g (W/Kg)	0.018
Variation (%)	3.240
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.030	0.019	0.012	0.007	0.005



F. 3D Image

3D screen shot	Hot spot position
	

Plot 4

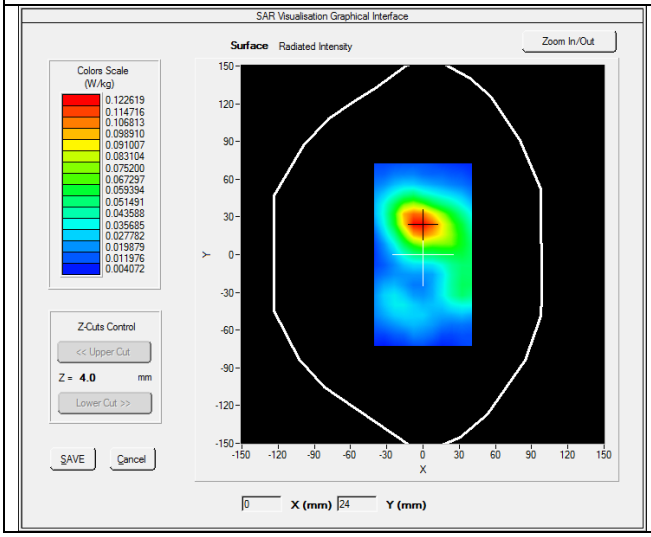
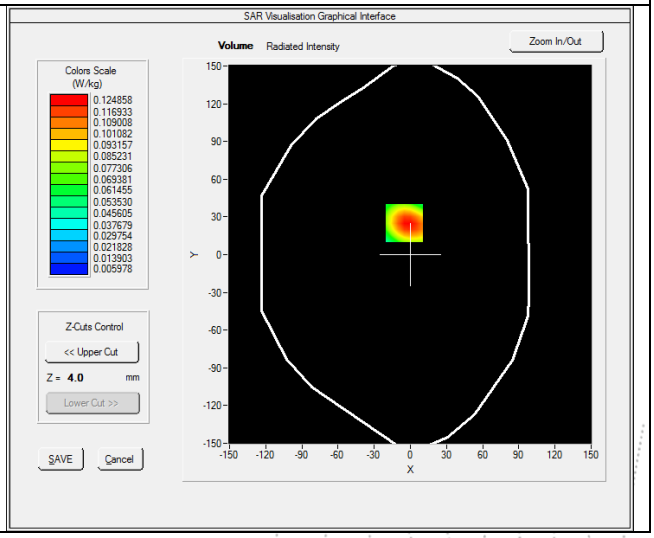
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	GPRS1900_2TX
Channels	Low
Signal	Custom (Crest factor: 4.0)

B. Permitivity

Frequency (MHz)	1850.200
Relative permitivity (real part)	40.597
Relative permitivity (imaginary part)	13.629
Conductivity (S/m)	1.401

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

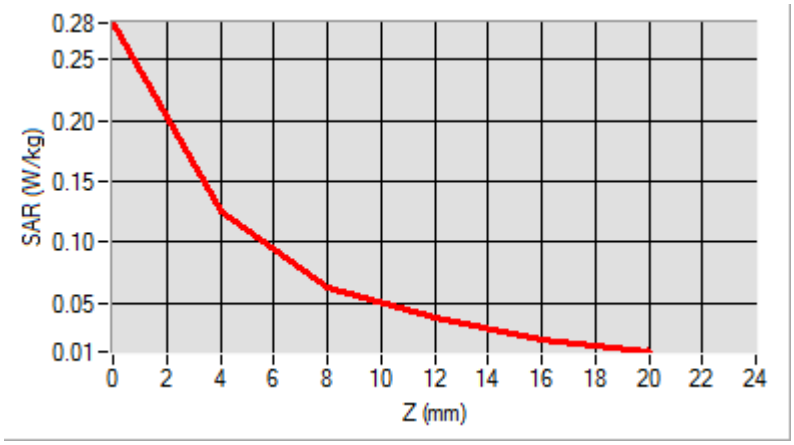
Maximum location: X=-5.00, Y=25.00 ; SAR Peak: 0.22 W/kg

D. SAR 1g & 10g

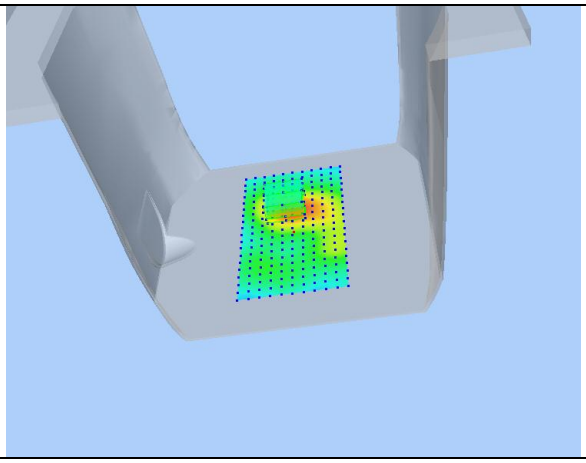
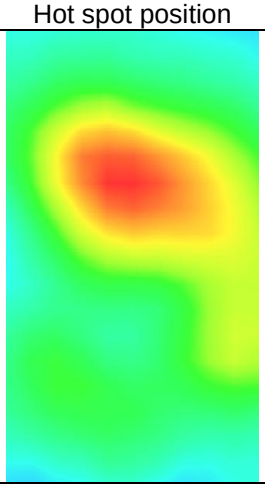
SAR 10g (W/Kg)	0.060
SAR 1g (W/Kg)	0.118
Variation (%)	-0.310
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.280	0.125	0.063	0.038	0.019



F. 3D Image

3D screen shot	Hot spot position
	

Plot 5

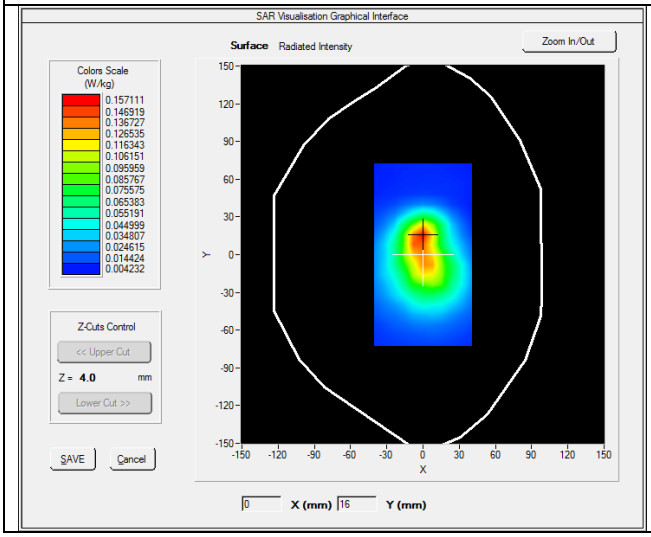
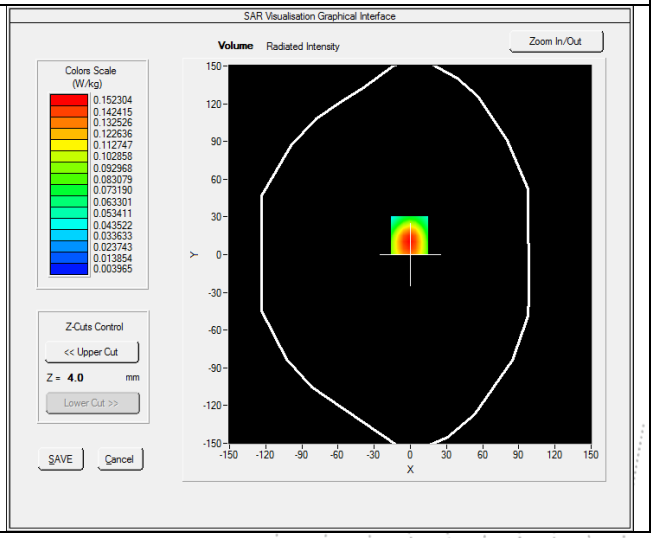
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	GPRS1900_2TX
Channels	Low
Signal	Custom (Crest factor: 4.0)

B. Permitivity

Frequency (MHz)	1850.200
Relative permitivity (real part)	40.597
Relative permitivity (imaginary part)	13.629
Conductivity (S/m)	1.401

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

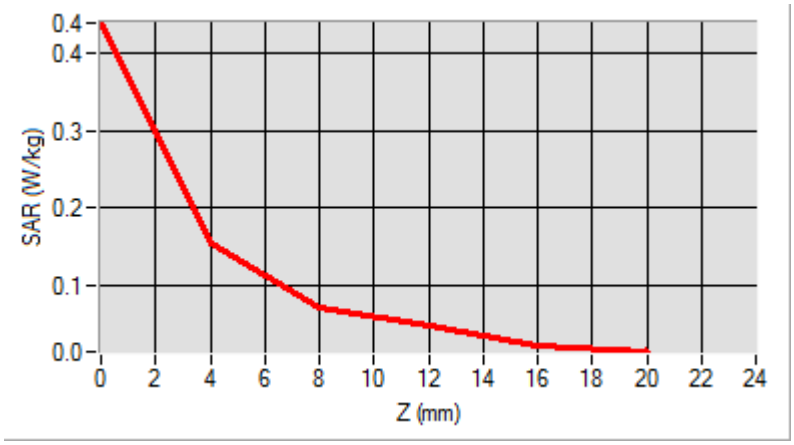
Maximum location: X=-1.00, Y=15.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

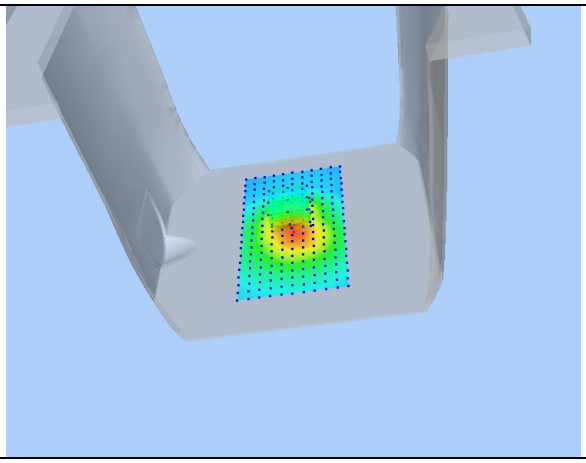
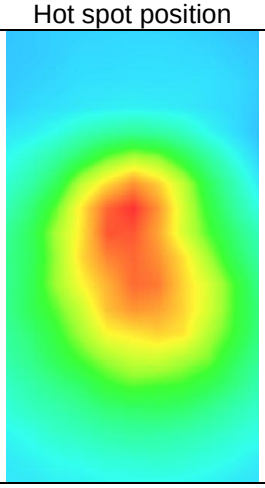
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.142
Variation (%)	2.140
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.440	0.152	0.070	0.046	0.020



F. 3D Image

3D screen shot	Hot spot position
	

Plot 6

A. Experimental conditions.

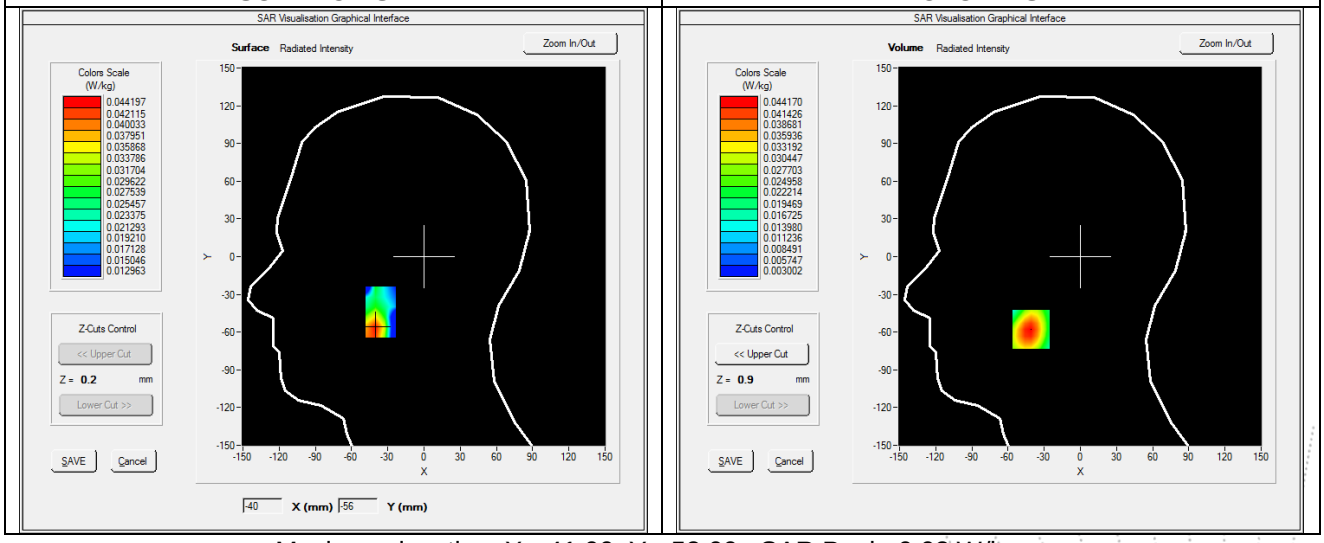
Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA1900
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1852.400
Relative permitivity (real part)	40.607
Relative permitivity (imaginary part)	13.612
Conductivity (S/m)	1.405

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



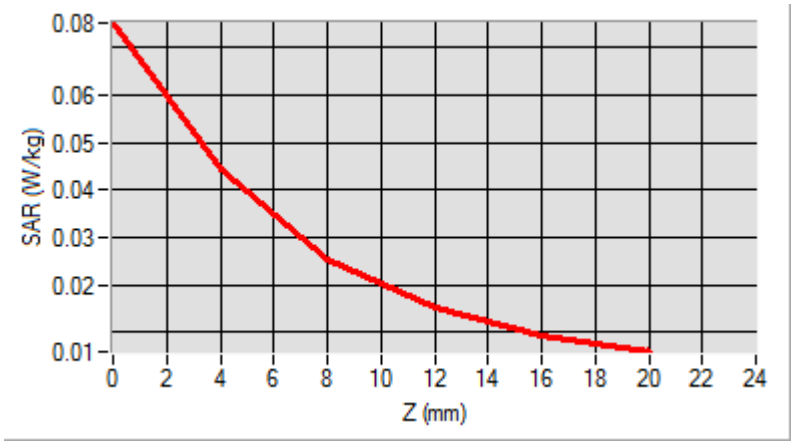
Maximum location: X=-41.00, Y=-58.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

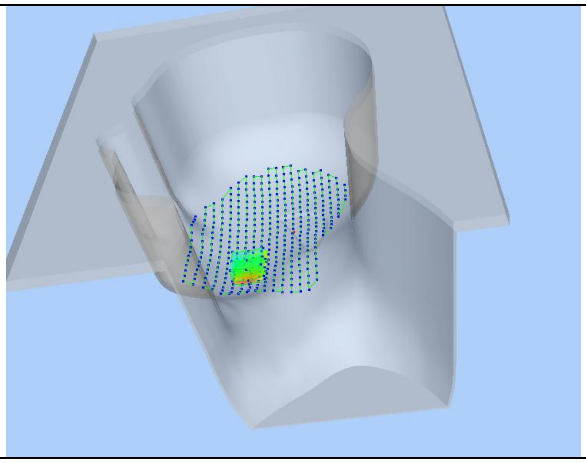
SAR 10g (W/Kg)	0.022
SAR 1g (W/Kg)	0.041
Variation (%)	-1.020
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.075	0.044	0.025	0.015	0.009



F. 3D Image

3D screen shot	Hot spot position
	

Plot 7

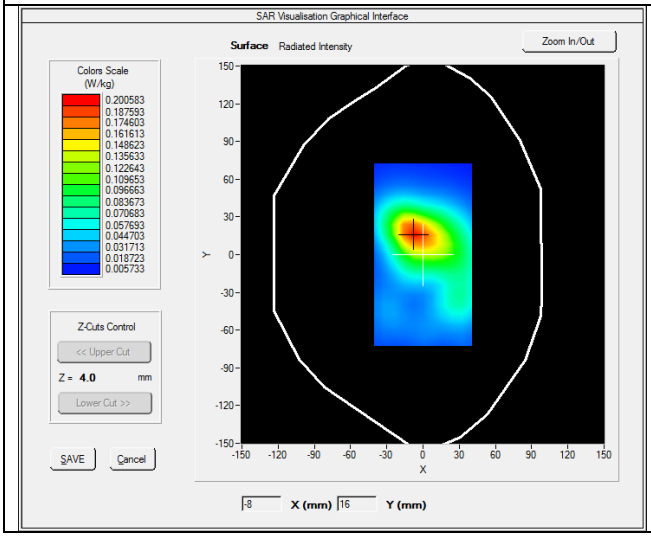
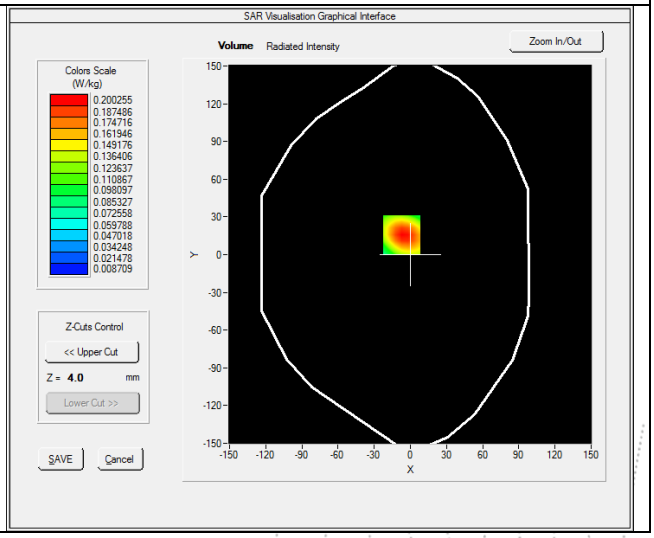
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1900
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1852.400
Relative permitivity (real part)	40.607
Relative permitivity (imaginary part)	13.612
Conductivity (S/m)	1.405

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

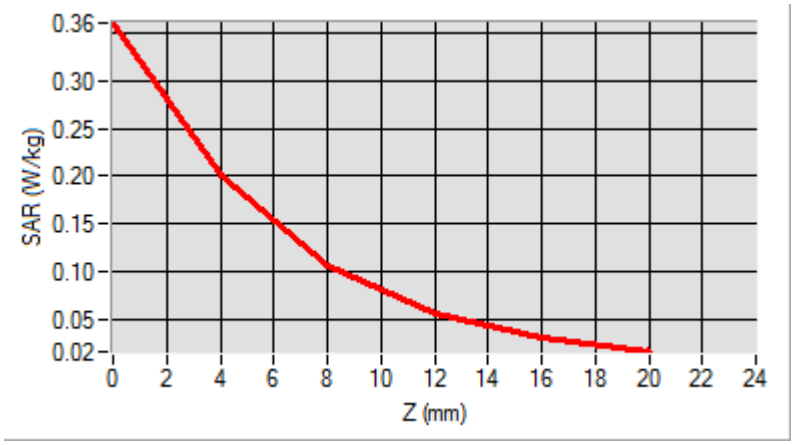
Maximum location: X=-7.00, Y=16.00 ; SAR Peak: 0.36 W/kg

D. SAR 1g & 10g

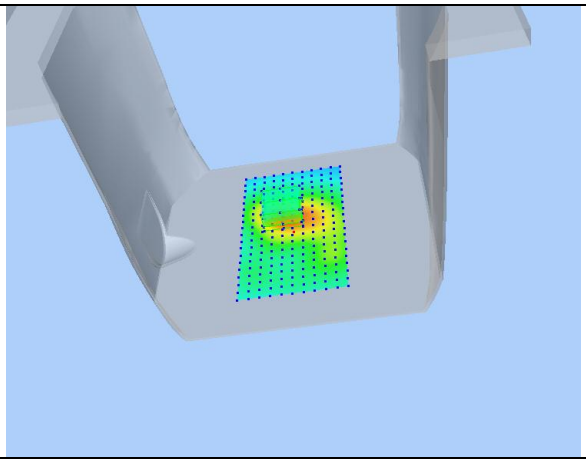
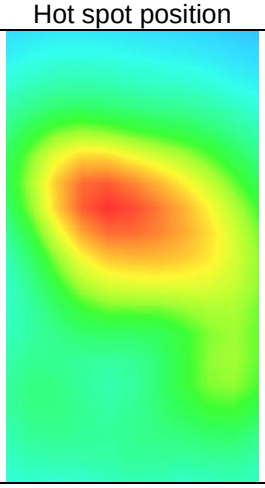
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.189
Variation (%)	0.420
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.360	0.200	0.107	0.057	0.031



F. 3D Image

3D screen shot	Hot spot position
	

Plot 8

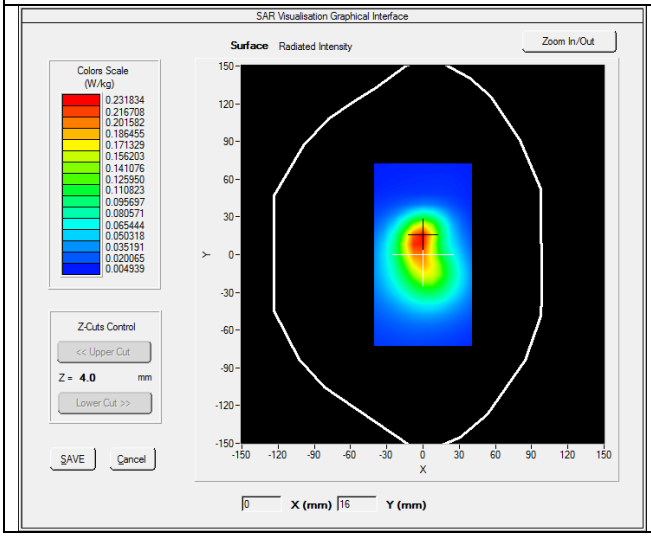
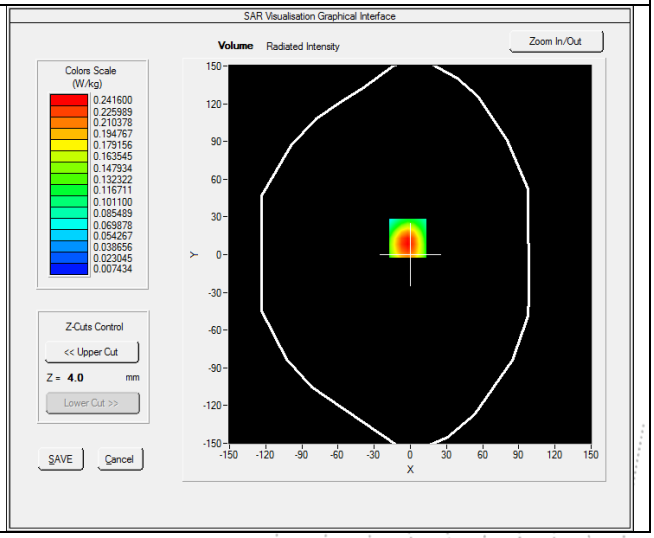
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1900
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1852.400
Relative permitivity (real part)	40.607
Relative permitivity (imaginary part)	13.612
Conductivity (S/m)	1.405

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

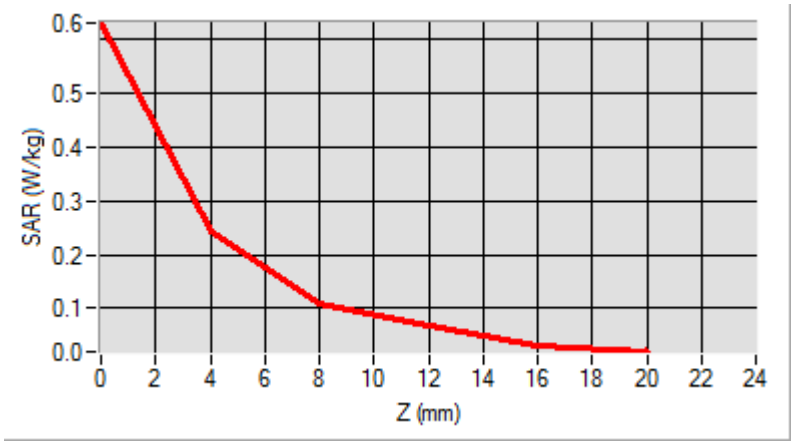
Maximum location: X=-2.00, Y=13.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

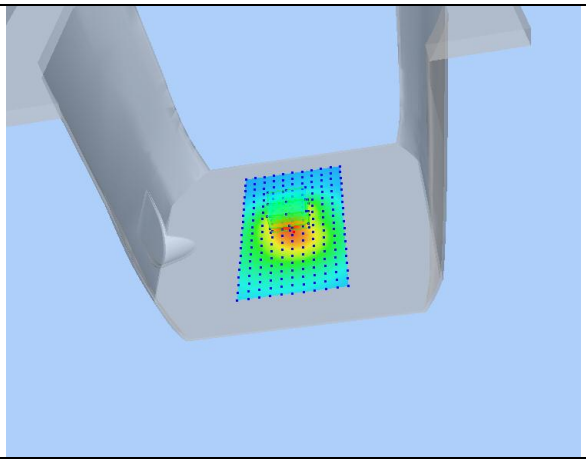
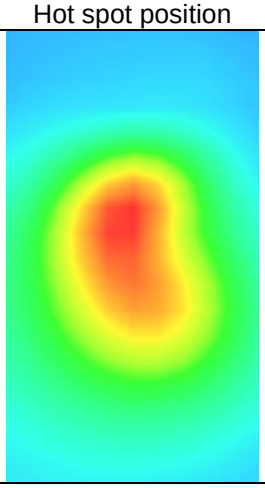
SAR 10g (W/Kg)	0.112
SAR 1g (W/Kg)	0.226
Variation (%)	0.950
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.631	0.242	0.111	0.067	0.032



F. 3D Image

3D screen shot	Hot spot position
	

Plot 9

A. Experimental conditions.

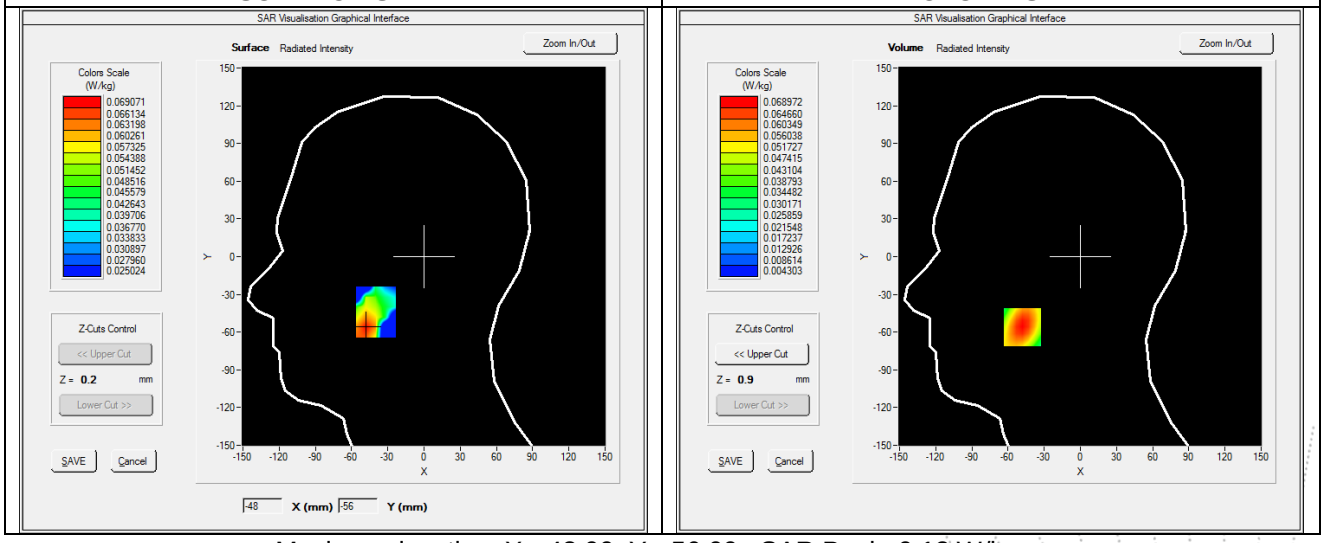
Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	WCDMA1700
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1712.400
Relative permitivity (real part)	40.852
Relative permitivity (imaginary part)	14.190
Conductivity (S/m)	1.334

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



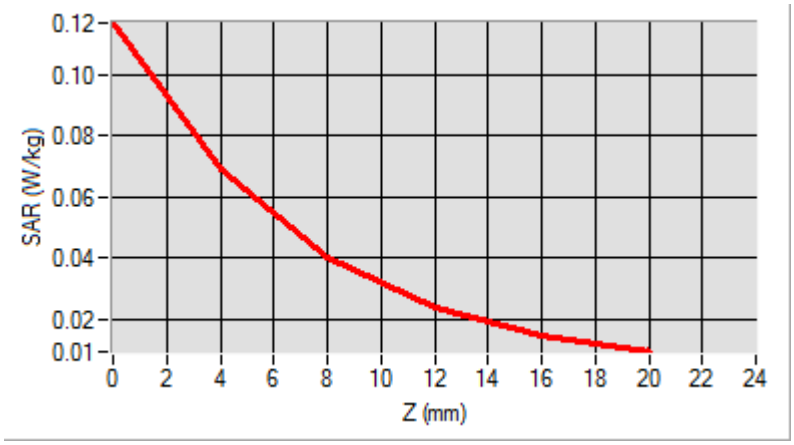
Maximum location: X=-48.00, Y=-56.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

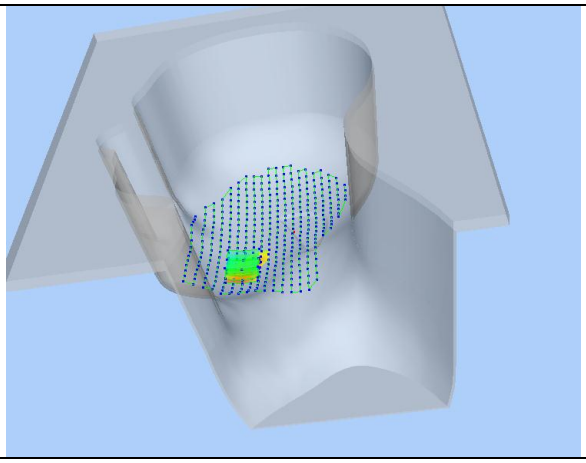
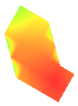
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.065
Variation (%)	-0.040
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.117	0.069	0.040	0.024	0.015



F. 3D Image

3D screen shot	Hot spot position
	

Plot 10

A. Experimental conditions.

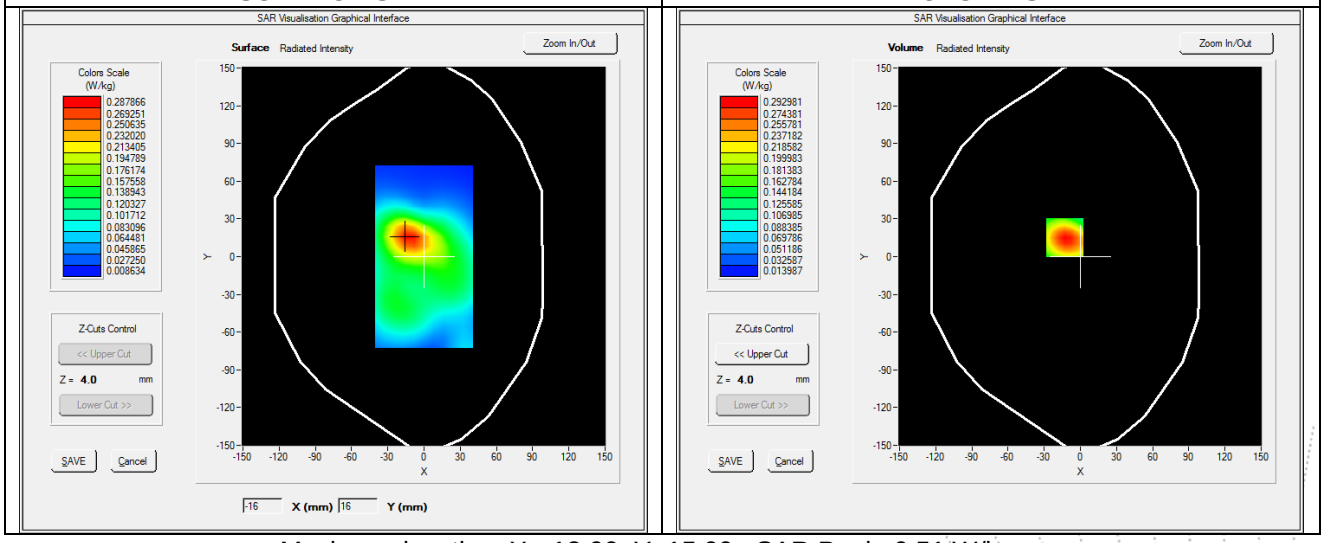
Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1700
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1712.400
Relative permitivity (real part)	40.852
Relative permitivity (imaginary part)	14.190
Conductivity (S/m)	1.334

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



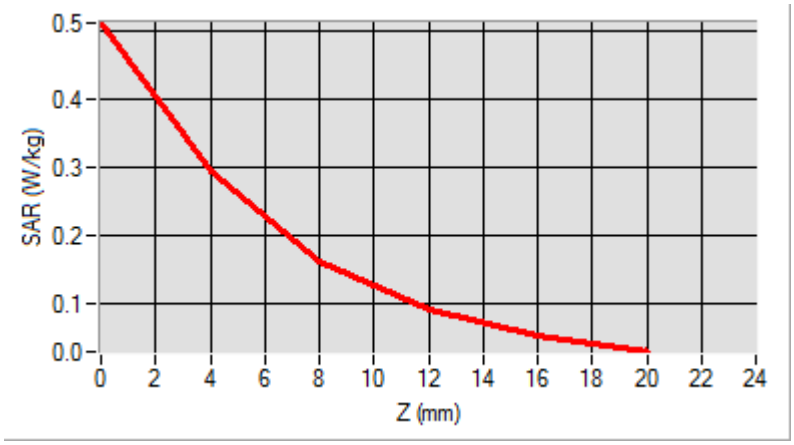
Maximum location: X=-13.00, Y=15.00 ; SAR Peak: 0.51 W/kg

D. SAR 1g & 10g

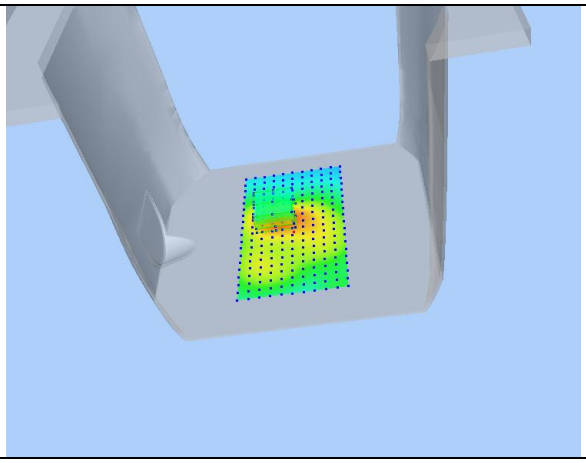
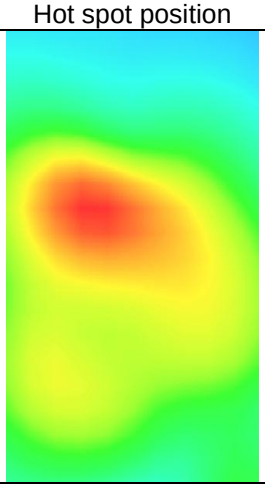
SAR 10g (W/Kg)	0.143
SAR 1g (W/Kg)	0.275
Variation (%)	1.080
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.511	0.293	0.162	0.090	0.052



F. 3D Image

3D screen shot	Hot spot position
	

Plot 11

A. Experimental conditions.

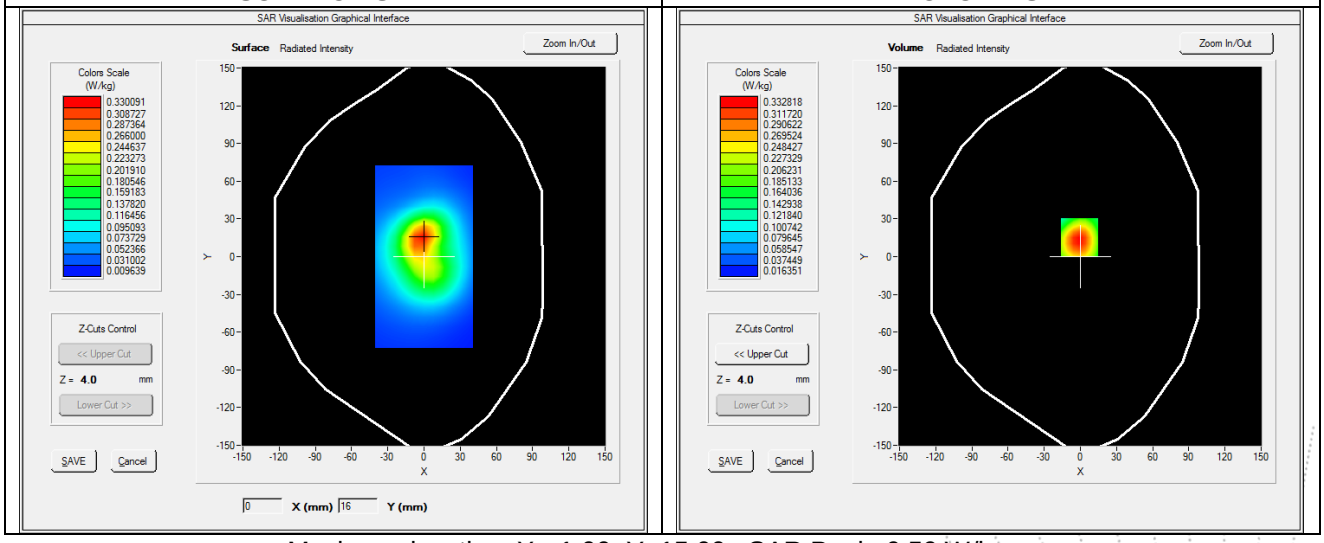
Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA1700
Channels	Low
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1712.400
Relative permitivity (real part)	40.852
Relative permitivity (imaginary part)	14.190
Conductivity (S/m)	1.334

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



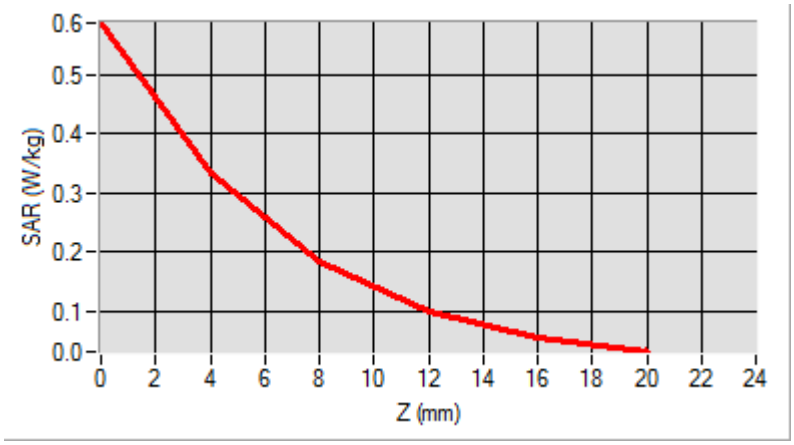
Maximum location: X=-1.00, Y=15.00 ; SAR Peak: 0.59 W/kg

D. SAR 1g & 10g

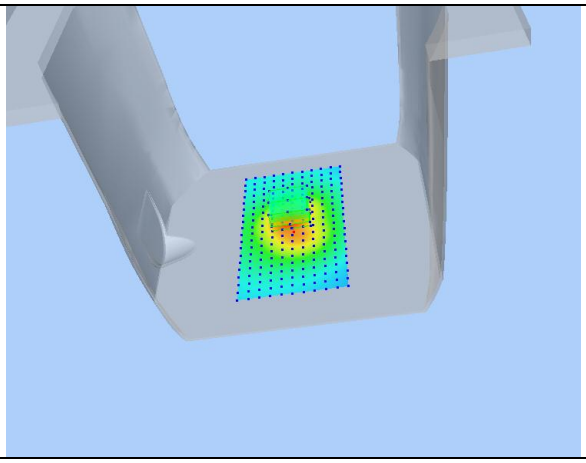
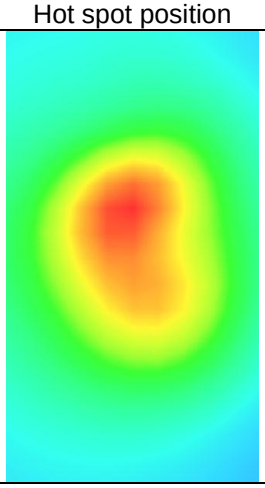
SAR 10g (W/Kg)	0.160
SAR 1g (W/Kg)	0.313
Variation (%)	-0.360
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.588	0.333	0.182	0.099	0.056



F. 3D Image

3D screen shot	Hot spot position
	

Plot 12

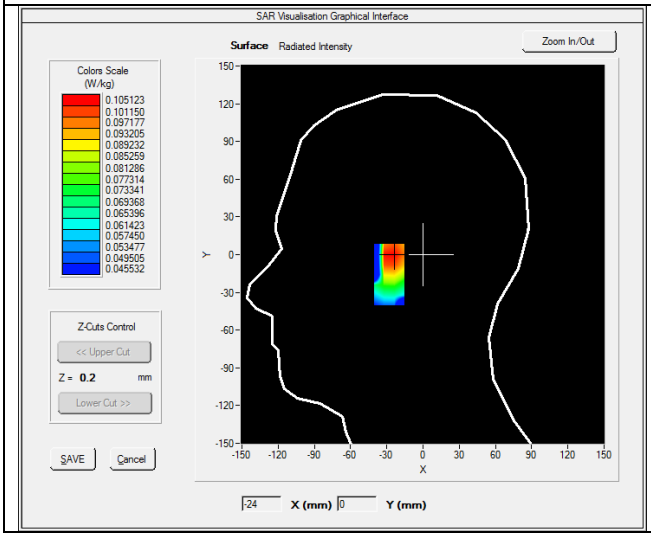
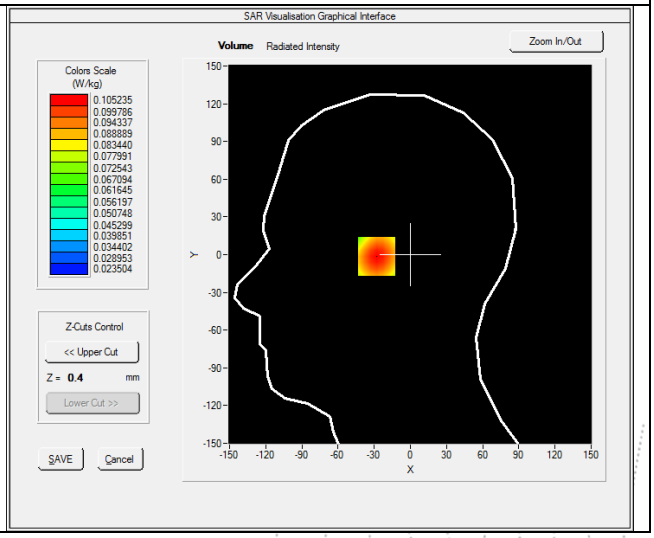
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	WCDMA850
Channels	Middle
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.400
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

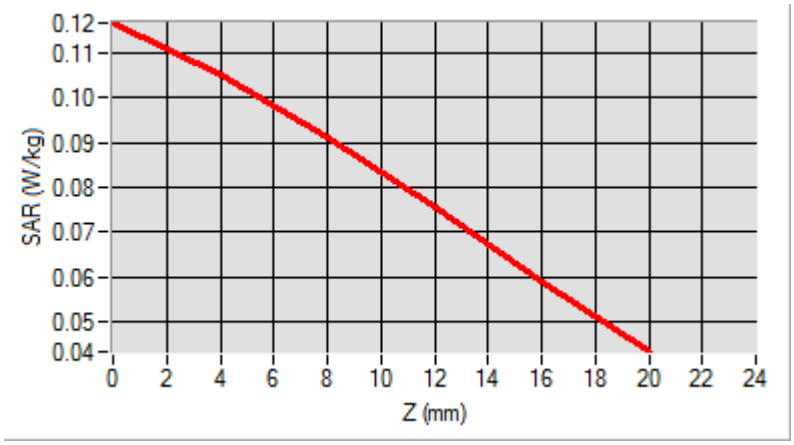
Maximum location: X=-27.00, Y=-1.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

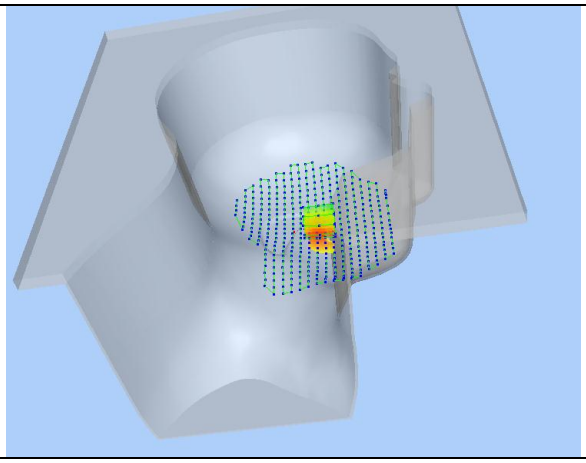
SAR 10g (W/Kg)	0.075
SAR 1g (W/Kg)	0.101
Variation (%)	-1.080
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.117	0.105	0.091	0.075	0.059



F. 3D Image

3D screen shot	Hot spot position
	

Plot 13

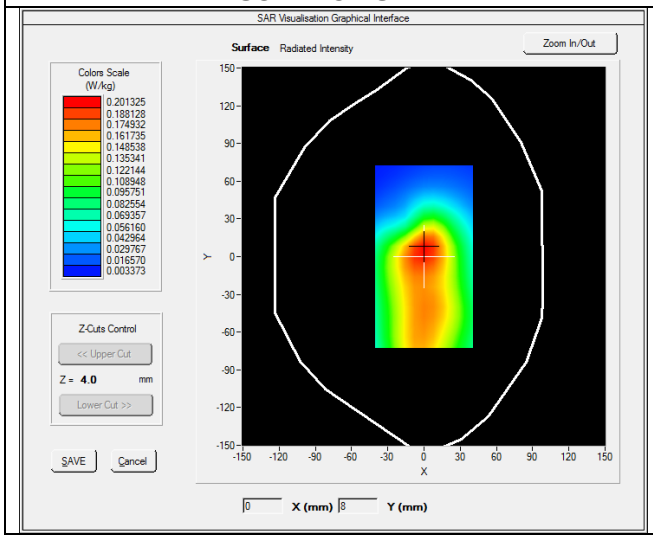
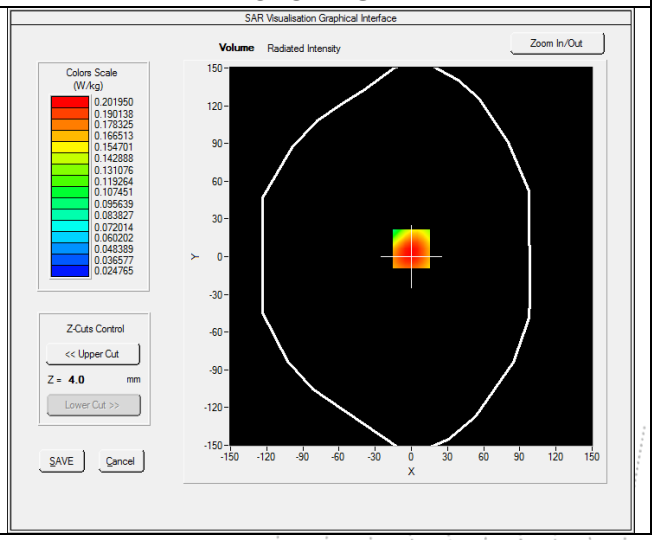
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA850
Channels	Middle
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.400
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

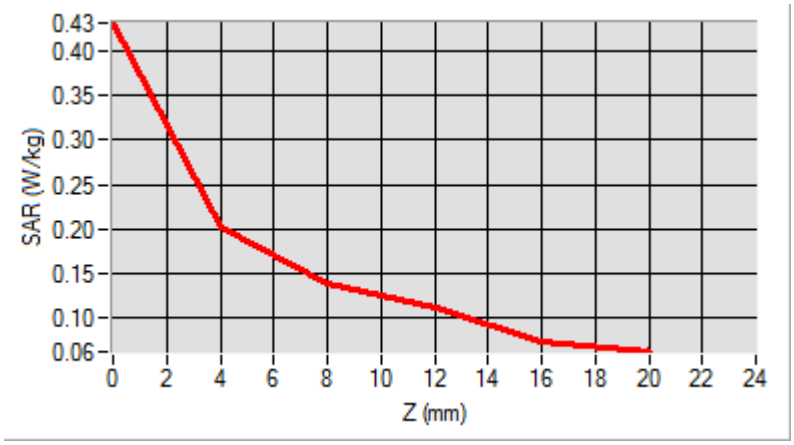
Maximum location: X=0.00, Y=6.00 ; SAR Peak: 0.28 W/kg

D. SAR 1g & 10g

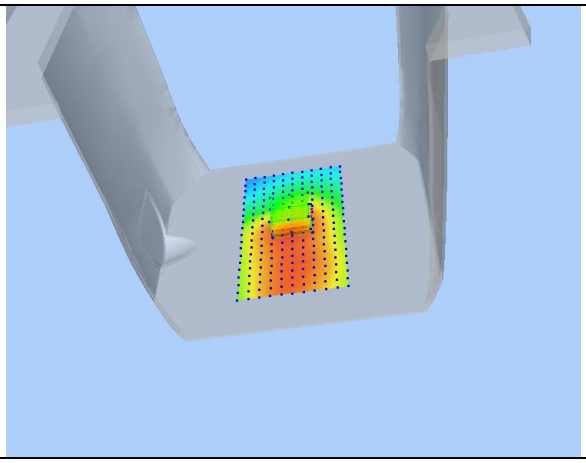
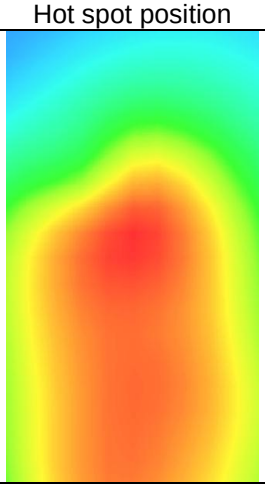
SAR 10g (W/Kg)	0.130
SAR 1g (W/Kg)	0.193
Variation (%)	-0.680
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.432	0.202	0.138	0.111	0.074



F. 3D Image

3D screen shot	Hot spot position
	

Plot 14

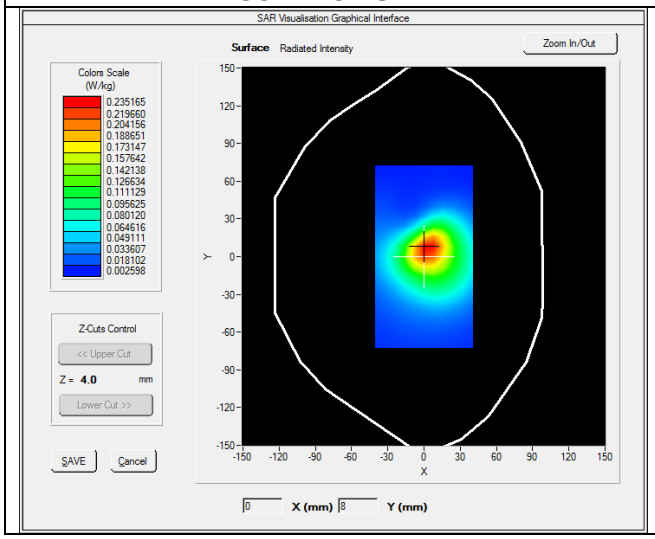
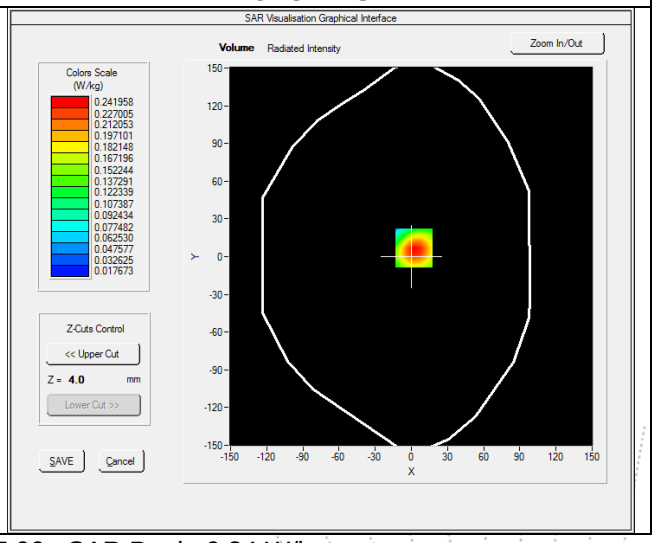
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	WCDMA850
Channels	Middle
Signal	WCDMA (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.400
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

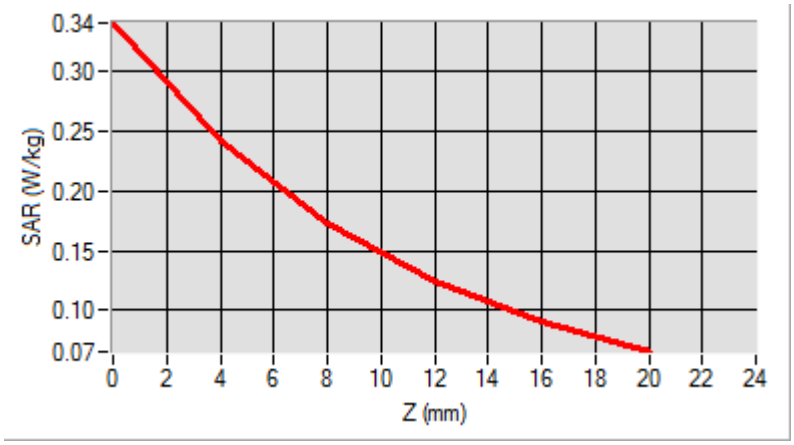
Maximum location: X=2.00, Y=7.00 ; SAR Peak: 0.34 W/kg

D. SAR 1g & 10g

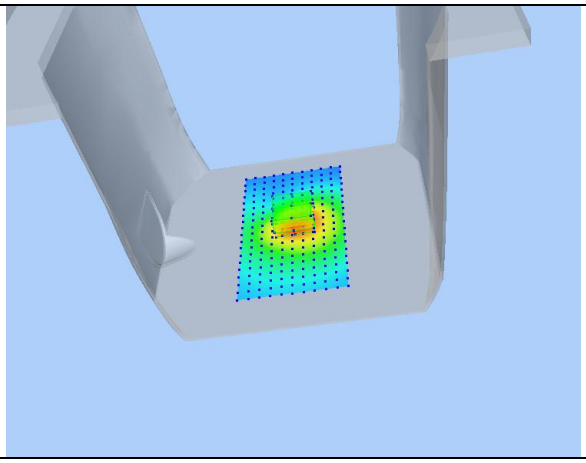
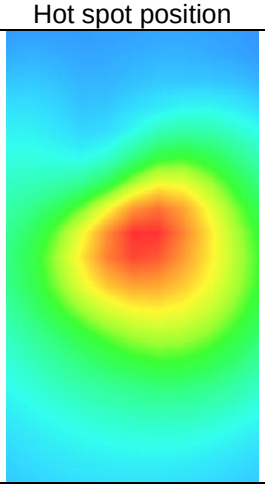
SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.227
Variation (%)	-0.340
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.340	0.242	0.172	0.124	0.090



F. 3D Image

3D screen shot	Hot spot position
	

Plot 15

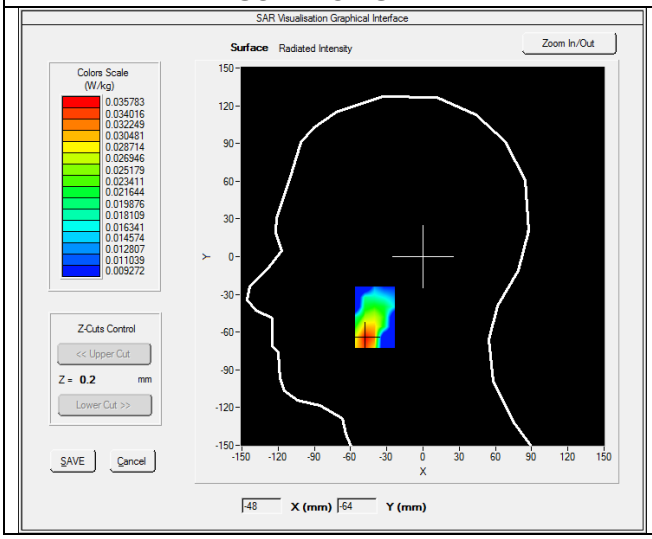
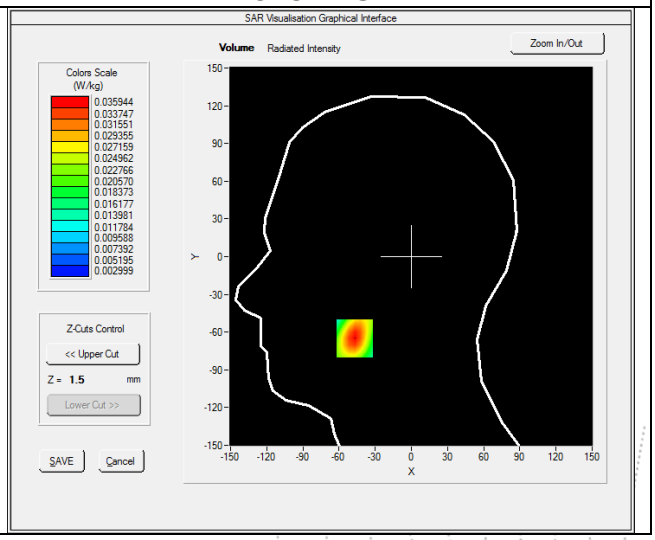
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Channels	Low
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1860.000
Relative permitivity (real part)	40.627
Relative permitivity (imaginary part)	13.597
Conductivity (S/m)	1.415

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

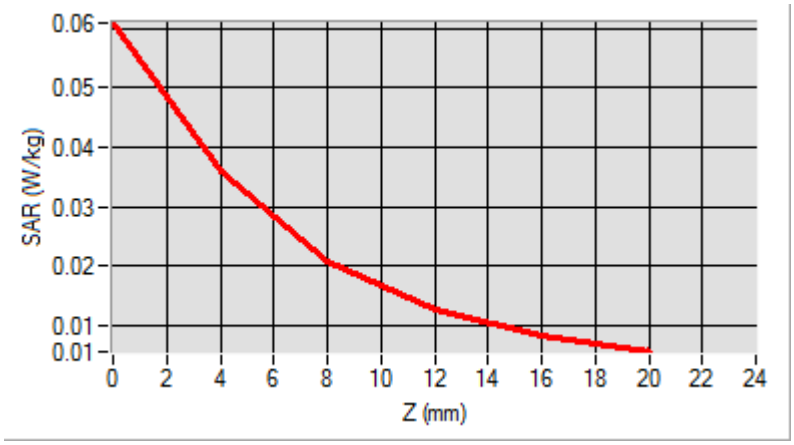
Maximum location: X=-47.00, Y=-65.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

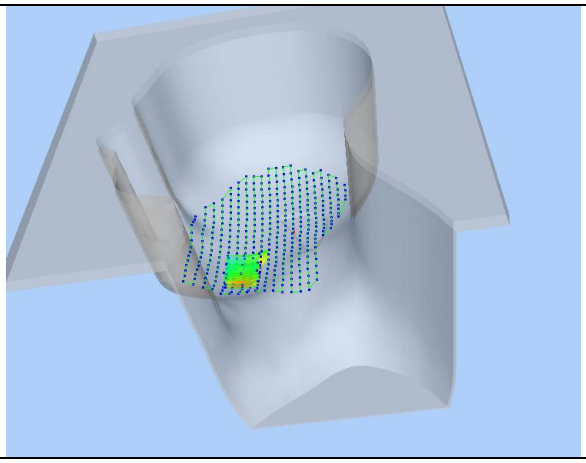
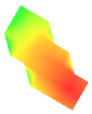
SAR 10g (W/Kg)	0.018
SAR 1g (W/Kg)	0.034
Variation (%)	0.320
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.061	0.036	0.021	0.013	0.008



F. 3D Image

3D screen shot	Hot spot position
	

Plot 16

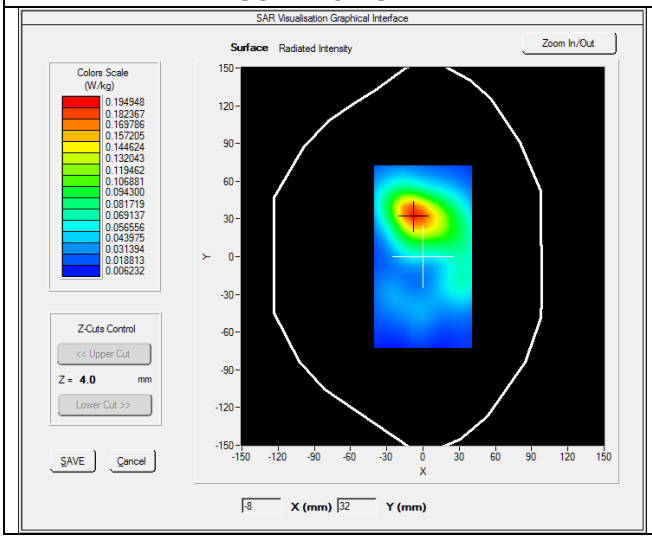
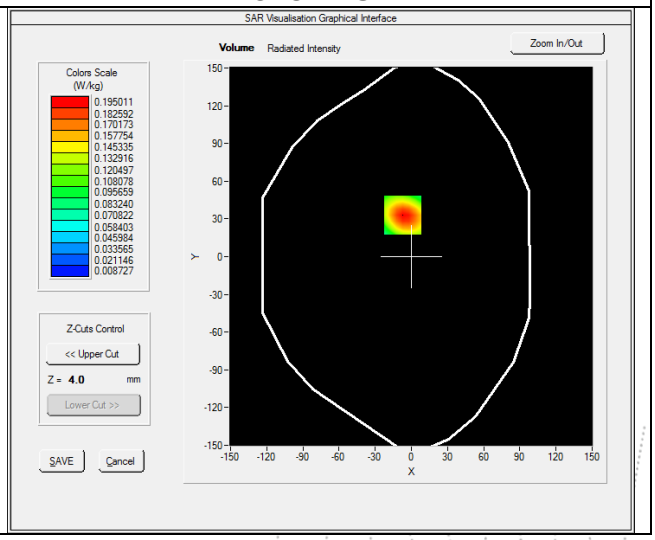
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels	Low
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1860.000
Relative permitivity (real part)	40.627
Relative permitivity (imaginary part)	13.597
Conductivity (S/m)	1.415

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

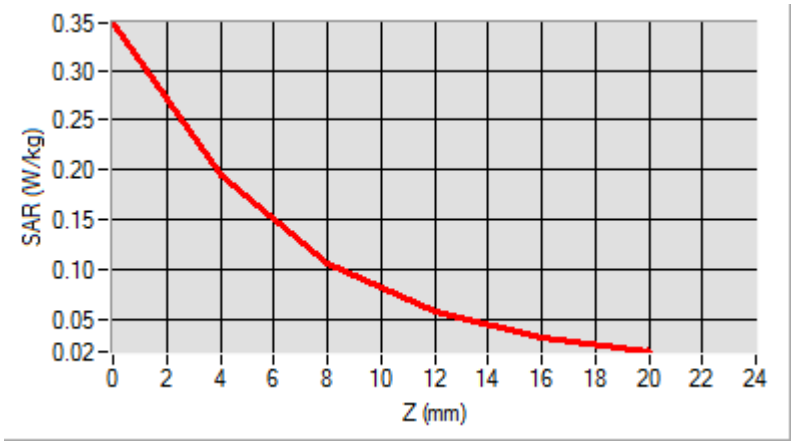
Maximum location: X=-7.00, Y=33.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

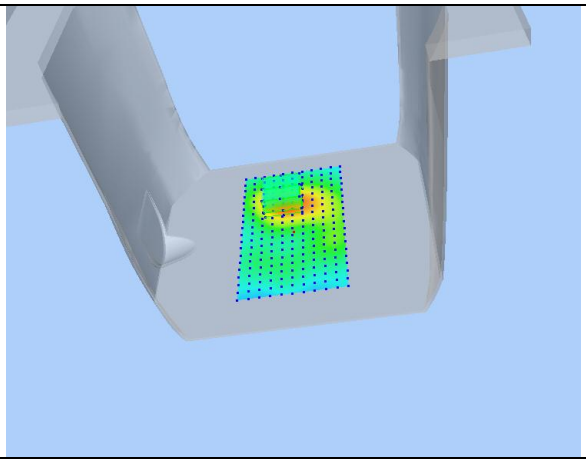
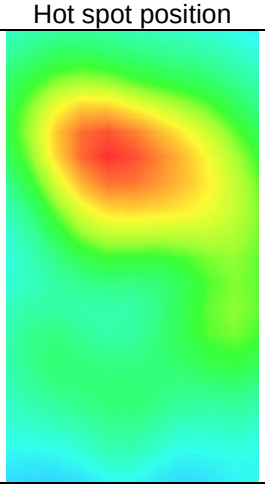
SAR 10g (W/Kg)	0.093
SAR 1g (W/Kg)	0.183
Variation (%)	-0.050
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.348	0.195	0.105	0.057	0.032



F. 3D Image

3D screen shot	Hot spot position
	

Plot 17

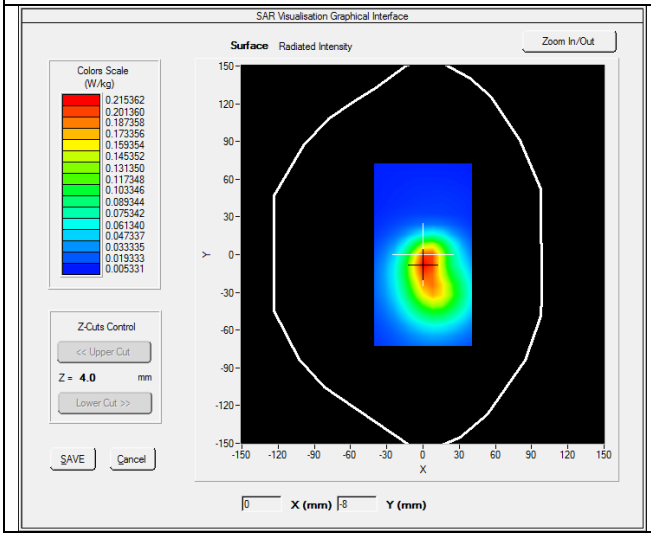
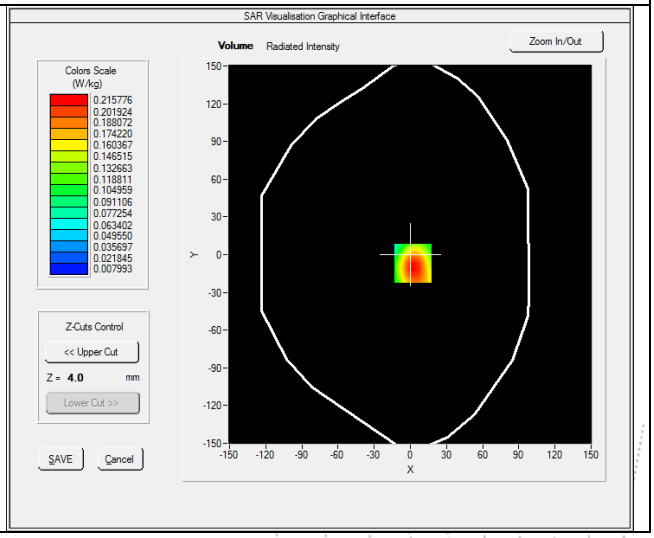
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.27
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels	Low
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1860.000
Relative permitivity (real part)	40.627
Relative permitivity (imaginary part)	13.597
Conductivity (S/m)	1.415

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

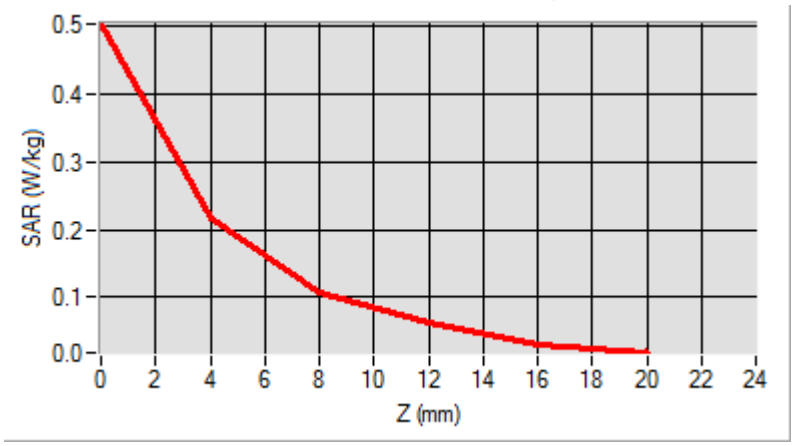
Maximum location: X=2.00, Y=-7.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

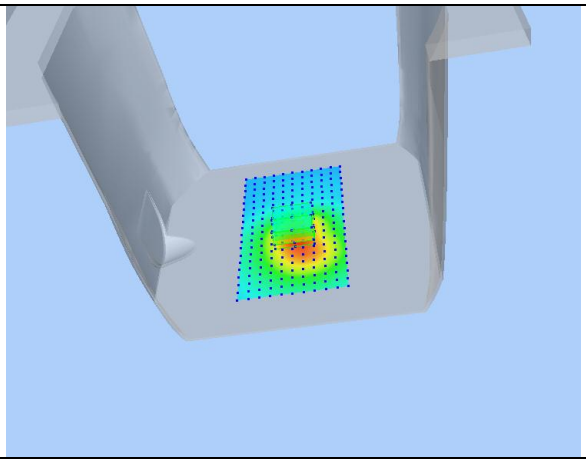
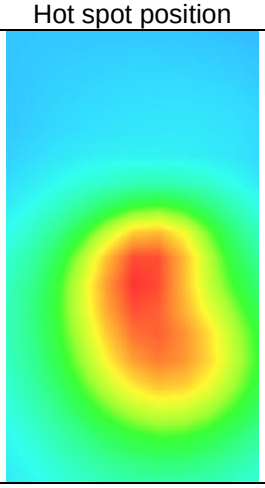
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.204
Variation (%)	-2.860
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.502	0.216	0.106	0.063	0.031



F. 3D Image

3D screen shot	Hot spot position
	

Plot 18

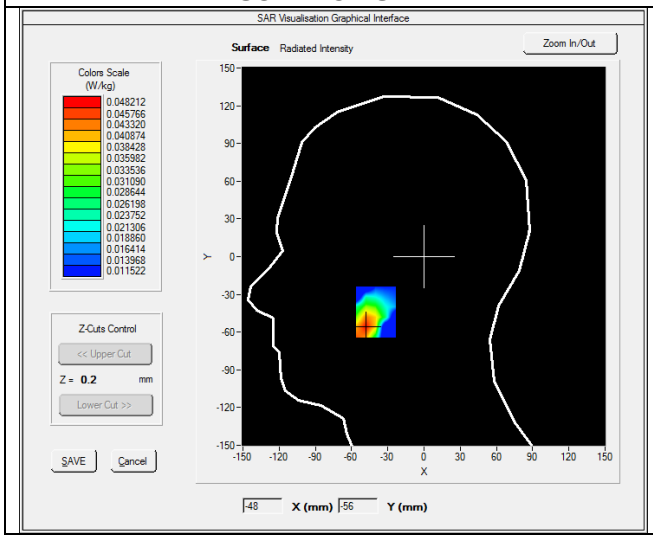
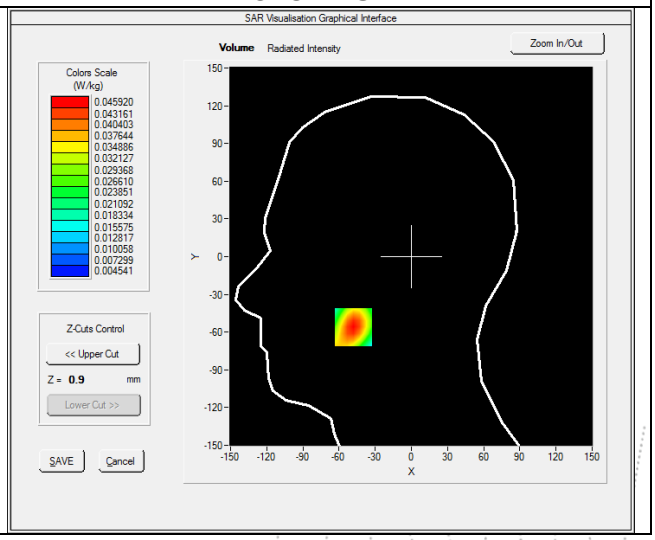
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 4
Channels	High
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1745.000
Relative permitivity (real part)	40.765
Relative permitivity (imaginary part)	14.091
Conductivity (S/m)	1.355

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

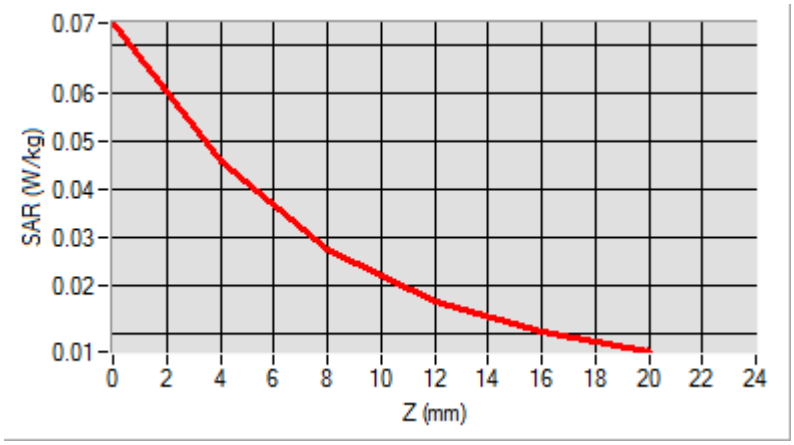
Maximum location: X=-48.00, Y=-56.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

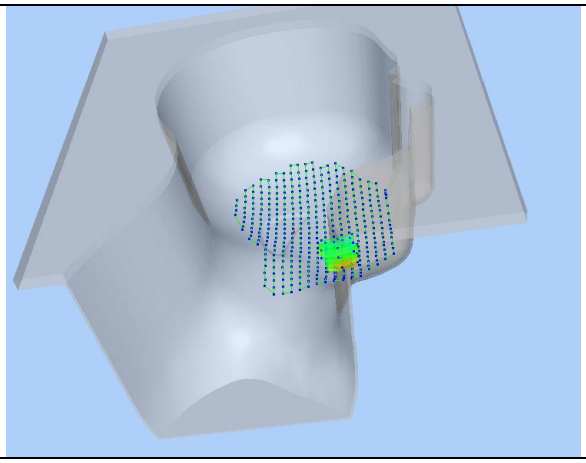
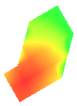
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.043
Variation (%)	-0.070
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.075	0.046	0.028	0.017	0.010



F. 3D Image

3D screen shot	Hot spot position
	

Plot 19

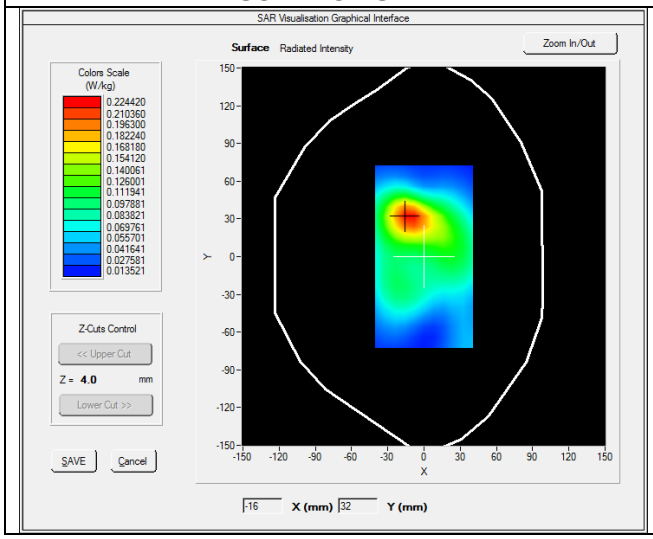
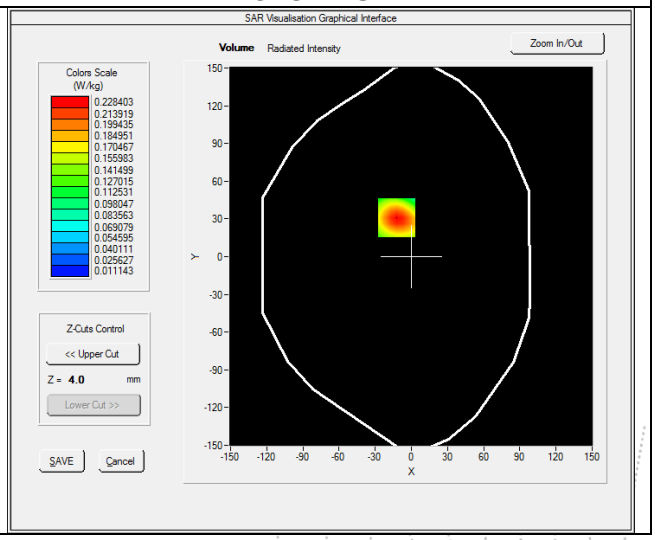
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels	High
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1745.000
Relative permitivity (real part)	40.765
Relative permitivity (imaginary part)	14.091
Conductivity (S/m)	1.355

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

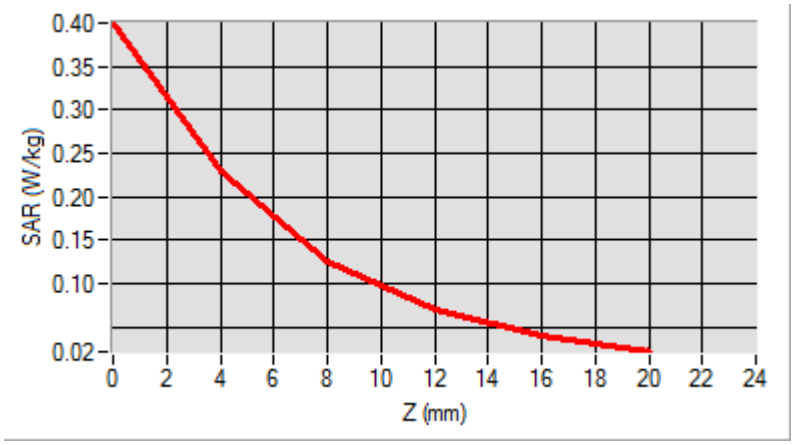
Maximum location: X=-12.00, Y=31.00 ; SAR Peak: 0.40 W/kg

D. SAR 1g & 10g

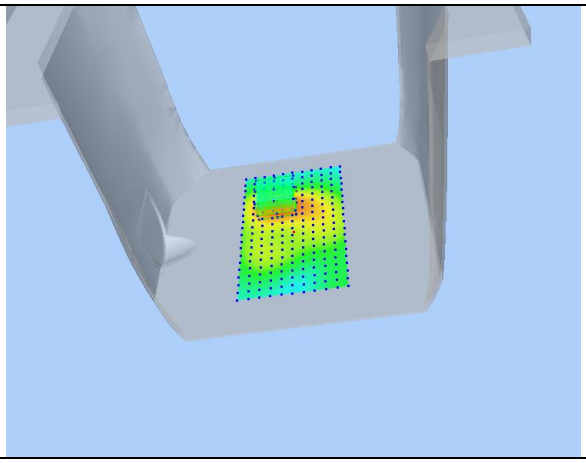
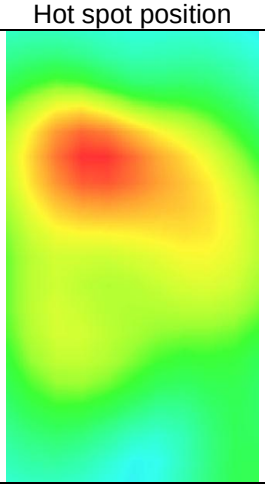
SAR 10g (W/Kg)	0.112
SAR 1g (W/Kg)	0.215
Variation (%)	-0.850
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.399	0.228	0.126	0.070	0.040



F. 3D Image

3D screen shot	Hot spot position
	

Plot 20

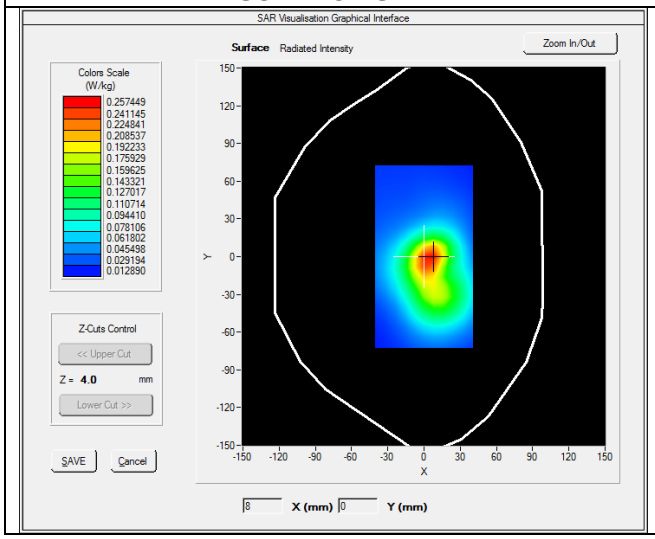
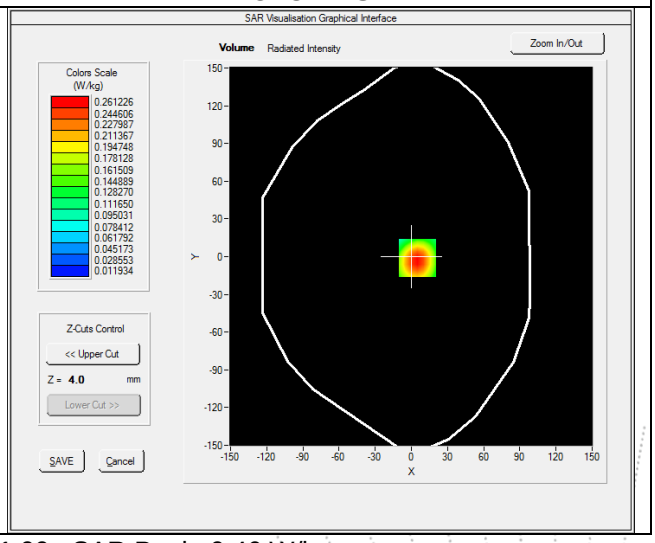
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.35
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels	High
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	1745.000
Relative permitivity (real part)	40.765
Relative permitivity (imaginary part)	14.091
Conductivity (S/m)	1.355

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

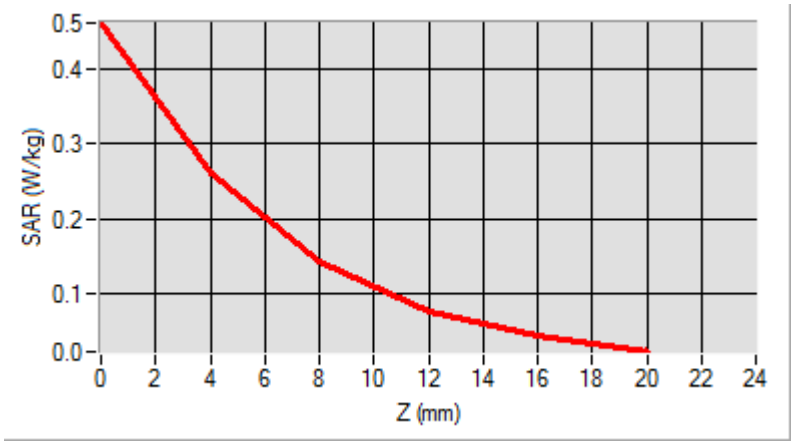
Maximum location: X=5.00, Y=-1.00 ; SAR Peak: 0.46 W/kg

D. SAR 1g & 10g

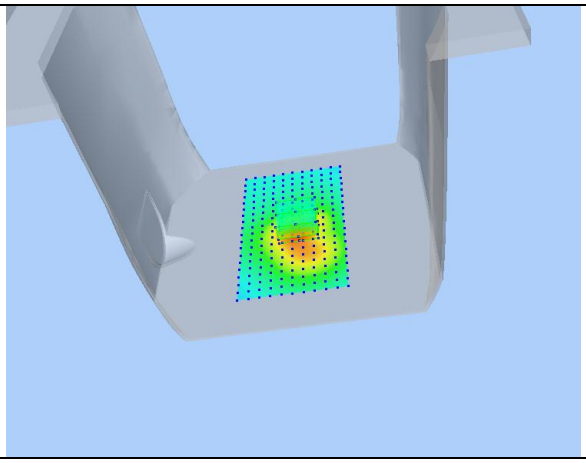
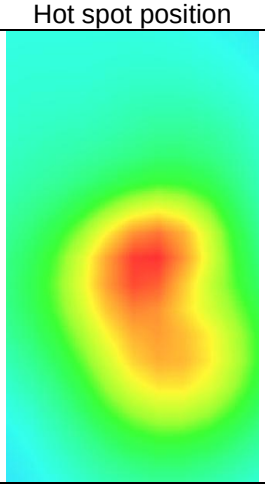
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.245
Variation (%)	-2.630
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.461	0.261	0.143	0.078	0.043



F. 3D Image

3D screen shot	Hot spot position
	

Plot 21

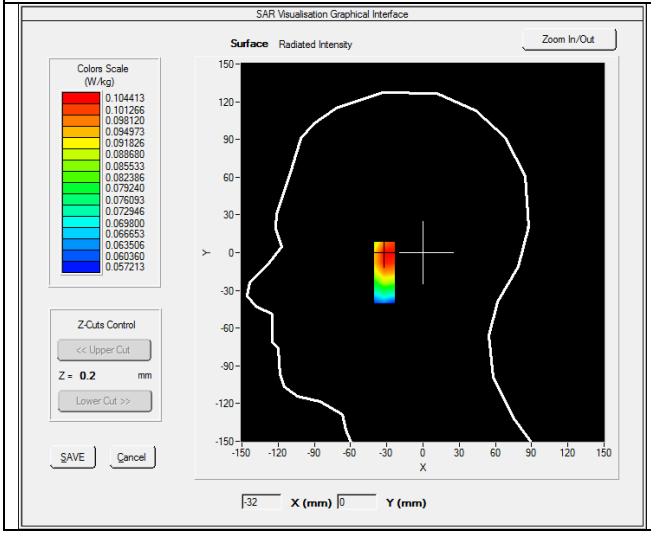
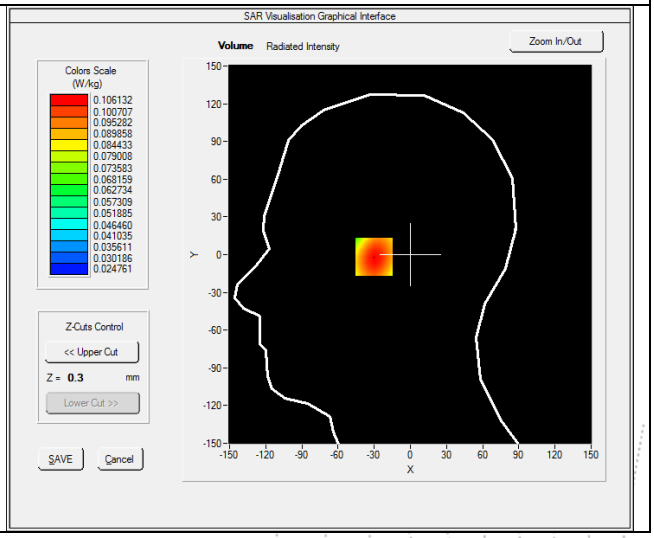
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	LTE band 5
Channels	Middle
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.500
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

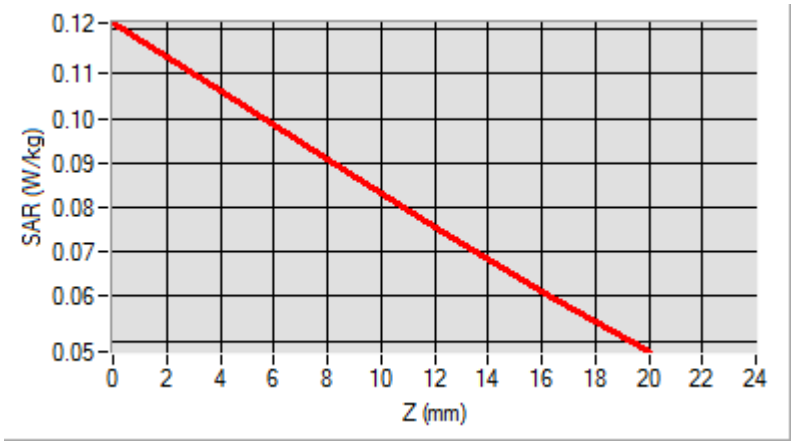
Maximum location: X=-29.00, Y=-1.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

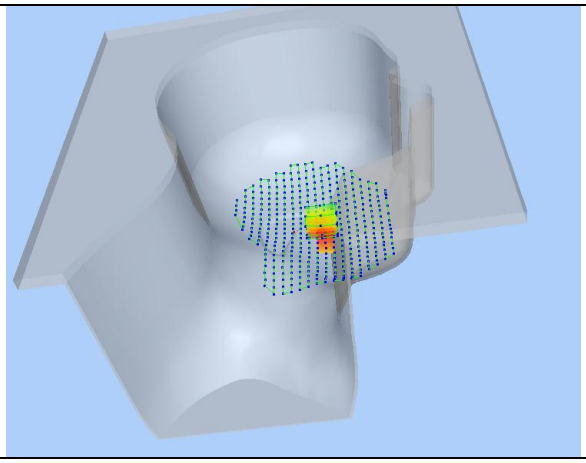
SAR 10g (W/Kg)	0.077
SAR 1g (W/Kg)	0.102
Variation (%)	0.200
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.121	0.106	0.091	0.076	0.061



F. 3D Image

3D screen shot	Hot spot position
	

Plot 22

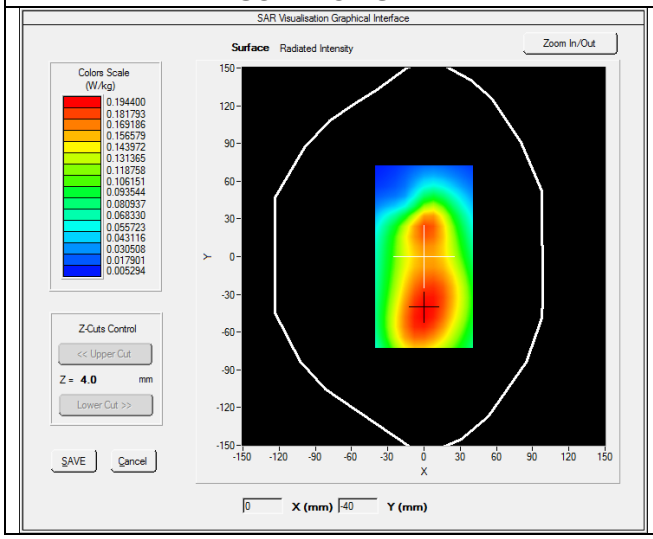
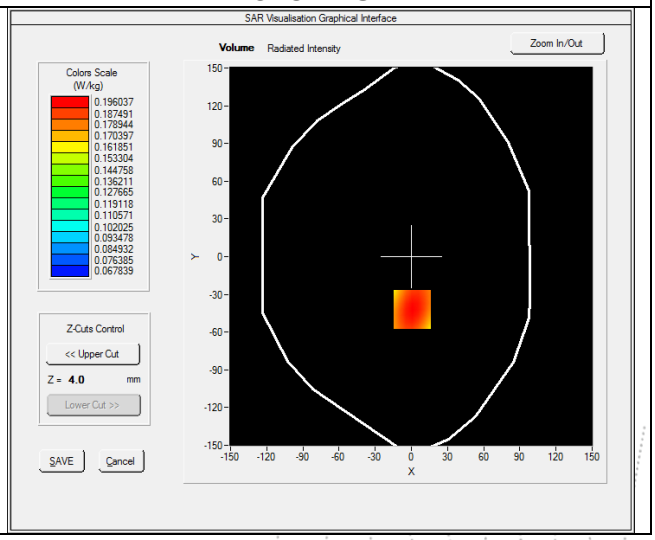
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels	Middle
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.500
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

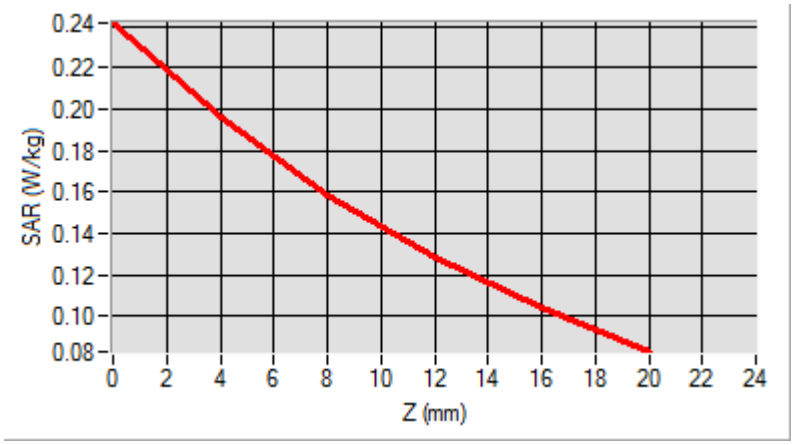
Maximum location: X=1.00, Y=-42.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

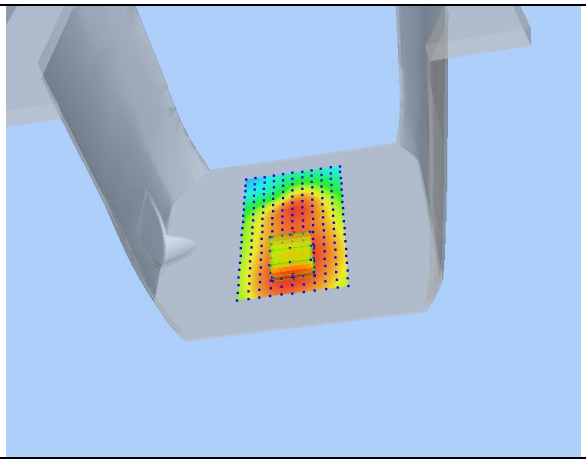
SAR 10g (W/Kg)	0.140
SAR 1g (W/Kg)	0.189
Variation (%)	0.610
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.242	0.196	0.159	0.128	0.104



F. 3D Image

3D screen shot	Hot spot position
	

Plot 23

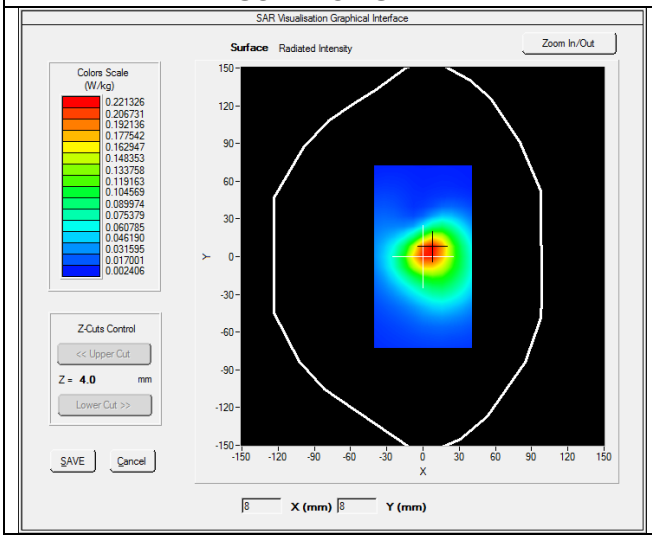
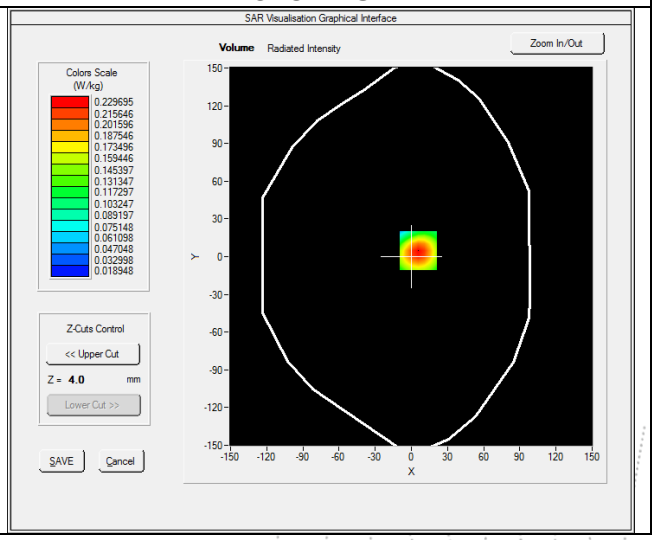
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.01
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels	Middle
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	836.500
Relative permitivity (real part)	41.761
Relative permitivity (imaginary part)	19.400
Conductivity (S/m)	0.907

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

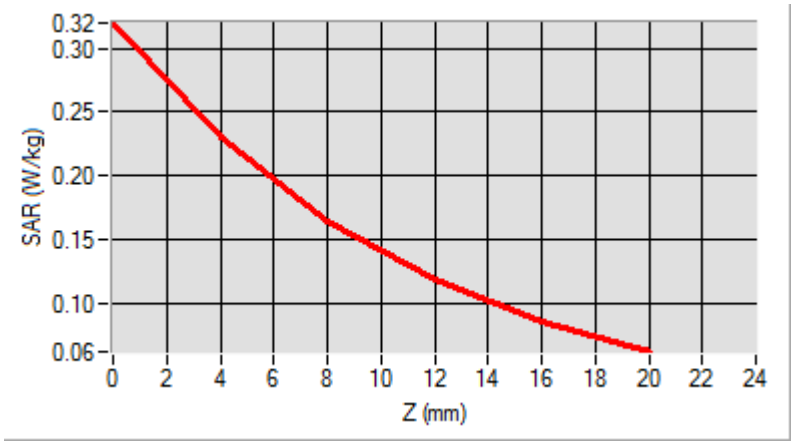
Maximum location: X=6.00, Y=5.00 ; SAR Peak: 0.32 W/kg

D. SAR 1g & 10g

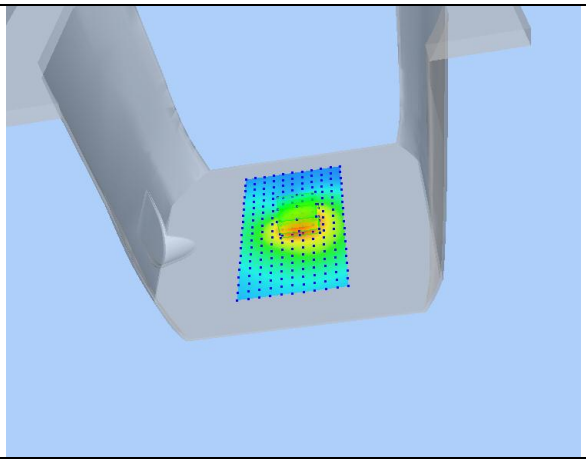
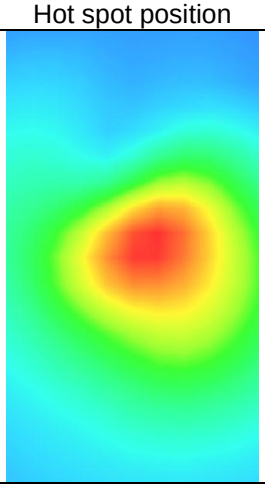
SAR 10g (W/Kg)	0.132
SAR 1g (W/Kg)	0.214
Variation (%)	0.630
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.320	0.230	0.165	0.119	0.087



F. 3D Image

3D screen shot	Hot spot position
	

Plot 24

A. Experimental conditions.

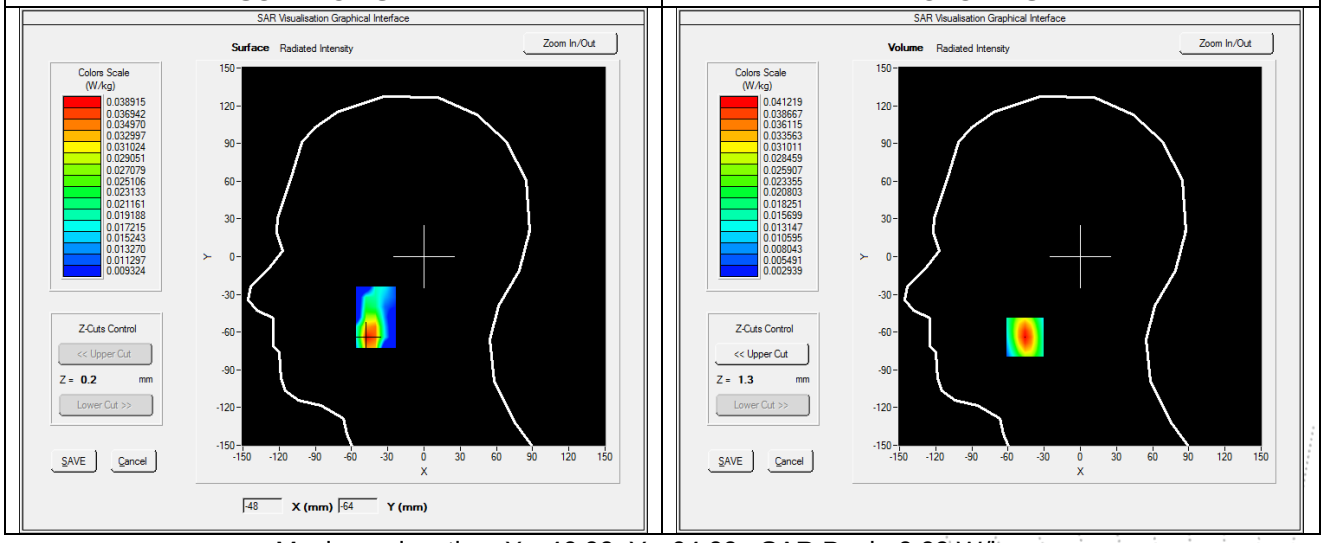
Probe	SN 25/22 EPGO373
ConvF	3.63
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 7
Channels	Middle
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2535.000
Relative permitivity (real part)	39.620
Relative permitivity (imaginary part)	13.418
Conductivity (S/m)	1.903

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



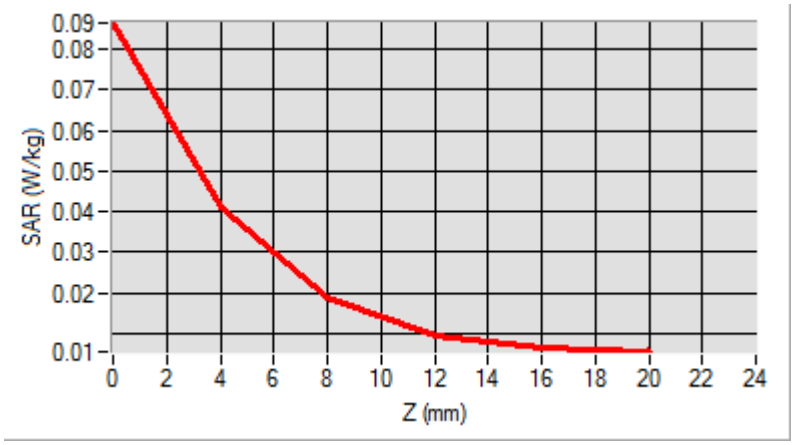
Maximum location: X=-46.00, Y=-64.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

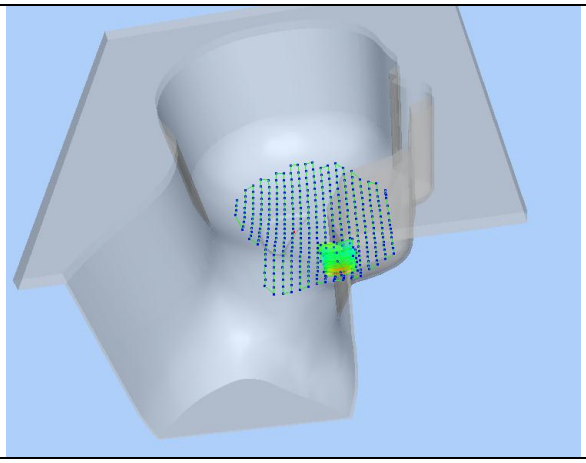
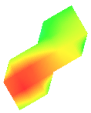
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.039
Variation (%)	0.670
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.086	0.041	0.019	0.009	0.006



F. 3D Image

3D screen shot	Hot spot position
	

Plot 25

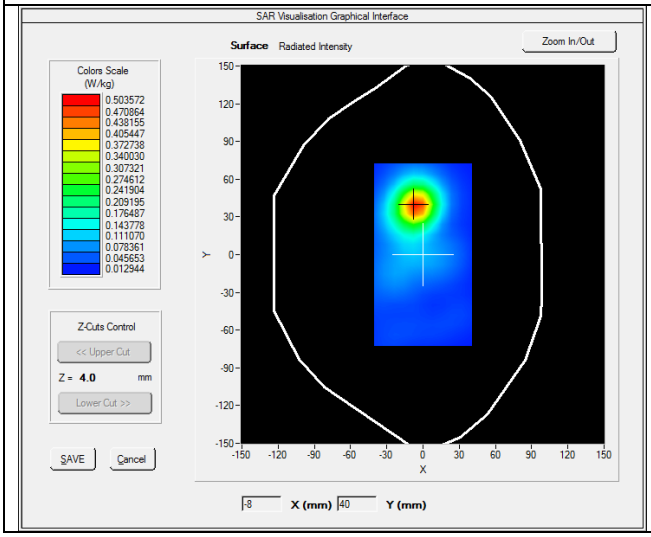
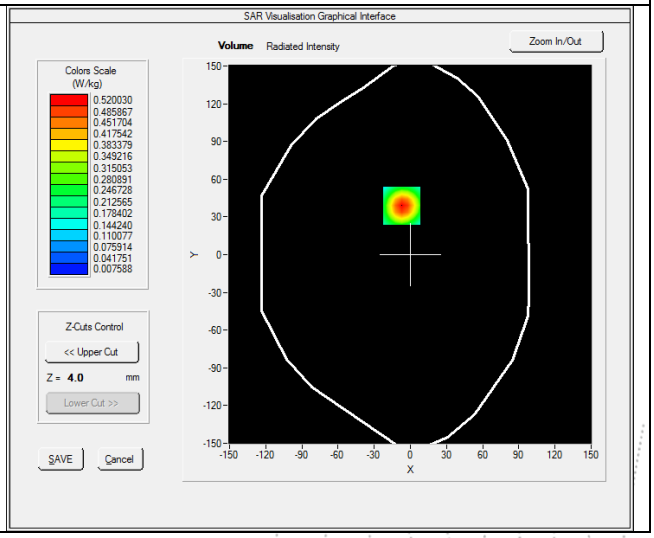
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.63
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 7
Channels	Middle
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2535.000
Relative permitivity (real part)	39.620
Relative permitivity (imaginary part)	13.418
Conductivity (S/m)	1.903

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

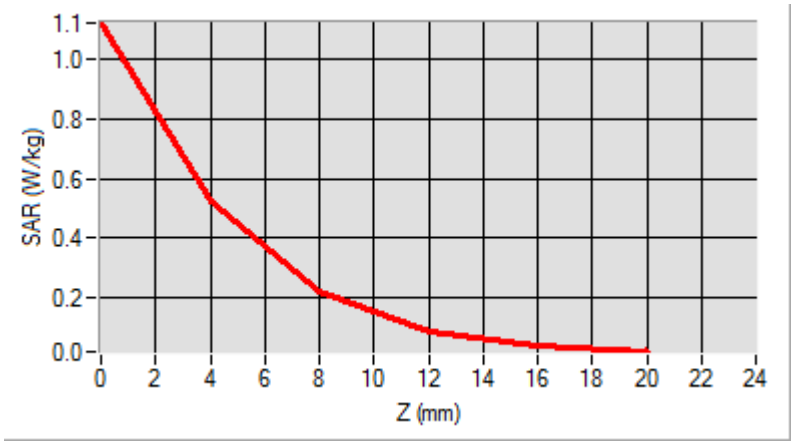
Maximum location: X=-7.00, Y=39.00 ; SAR Peak: 1.12 W/kg

D. SAR 1g & 10g

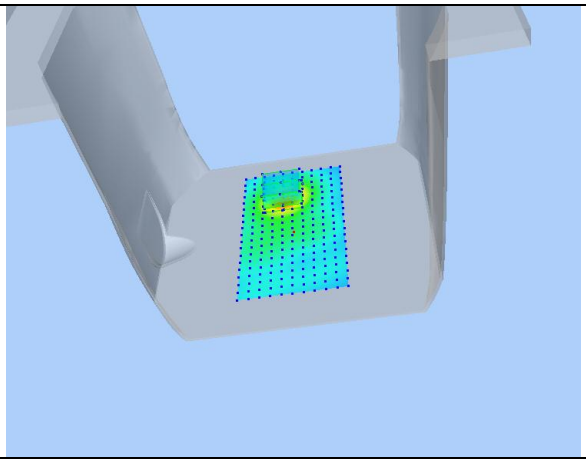
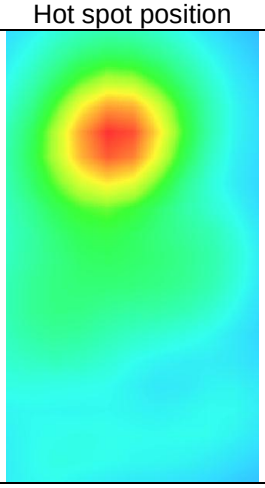
SAR 10g (W/Kg)	0.211
SAR 1g (W/Kg)	0.487
Variation (%)	-0.120
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	1.124	0.520	0.217	0.086	0.037



F. 3D Image

3D screen shot	Hot spot position
	

Plot 26

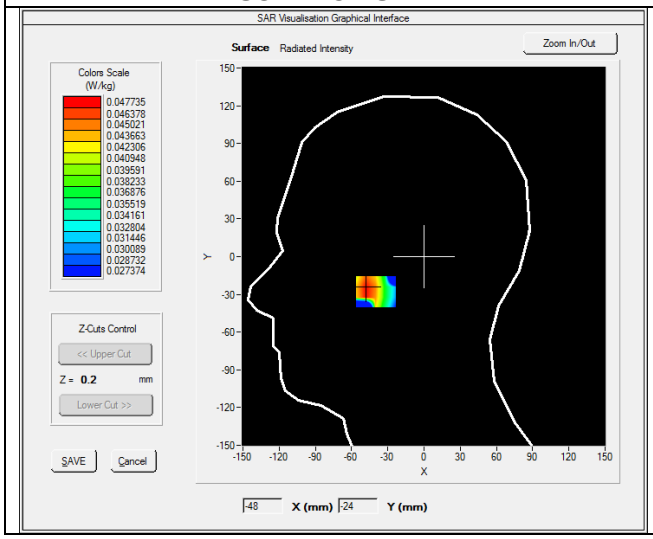
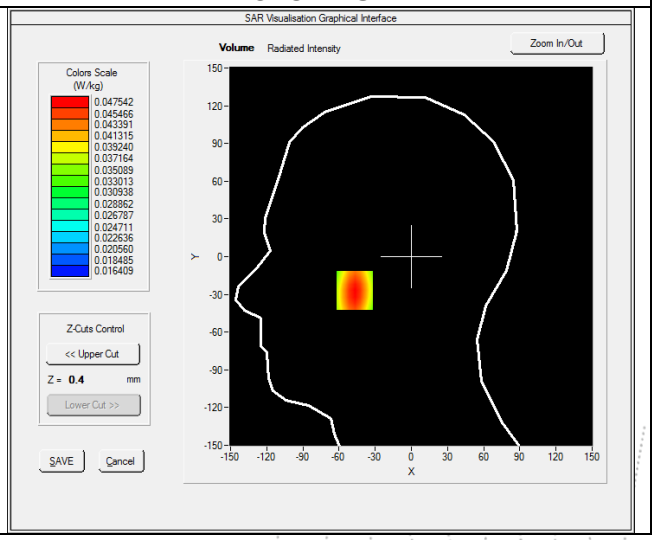
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.96
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Cheek
Band	LTE band 12
Channels	Low
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	704.000
Relative permitivity (real part)	42.668
Relative permitivity (imaginary part)	23.197
Conductivity (S/m)	0.892

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

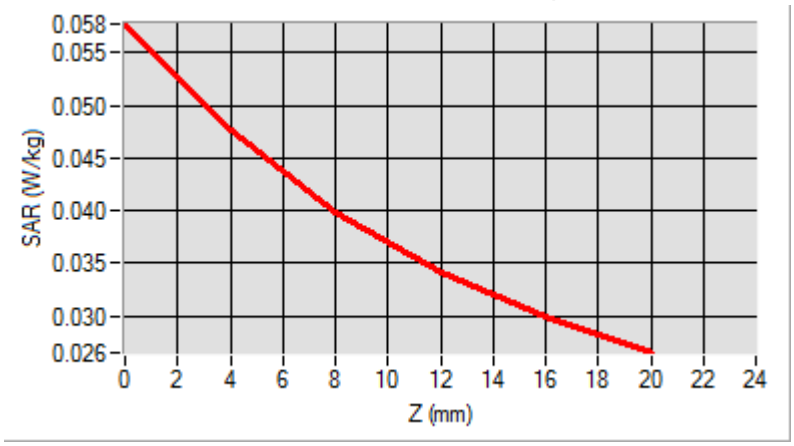
Maximum location: X=-47.00, Y=-27.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

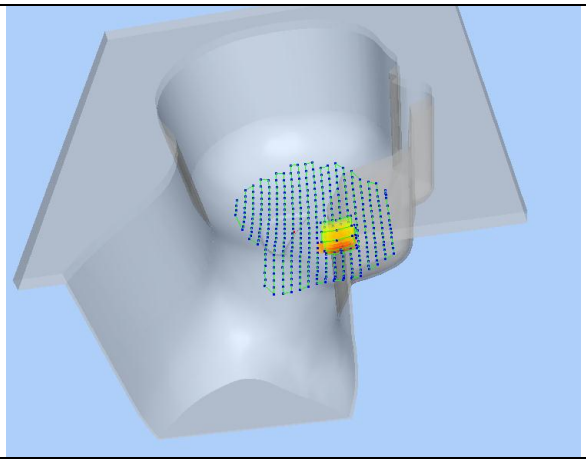
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.047
Variation (%)	-1.830
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.058	0.048	0.040	0.034	0.030



F. 3D Image

3D screen shot	Hot spot position
	

Plot 27

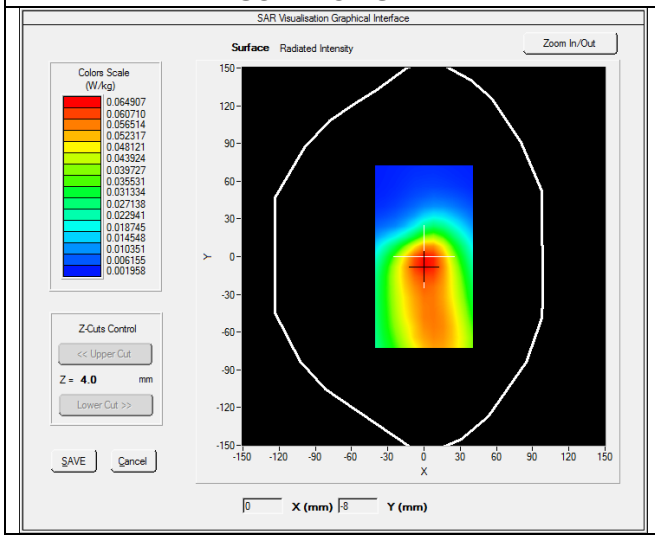
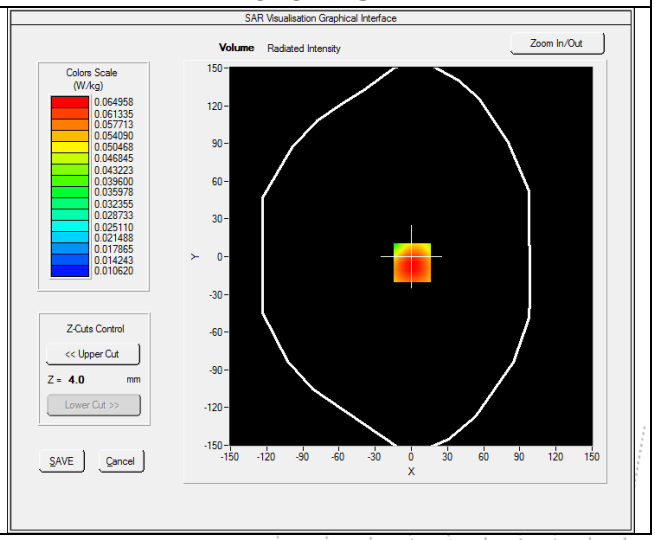
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.96
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Channels	Low
Signal	LTE (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	704.000
Relative permitivity (real part)	42.668
Relative permitivity (imaginary part)	23.197
Conductivity (S/m)	0.892

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

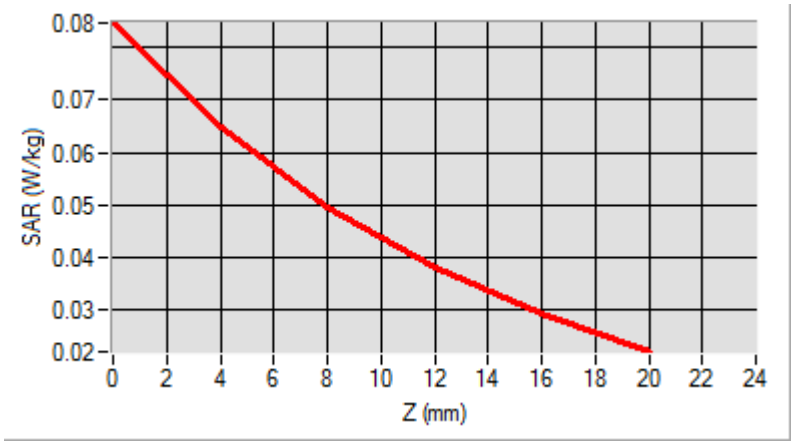
Maximum location: X=1.00, Y=-5.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

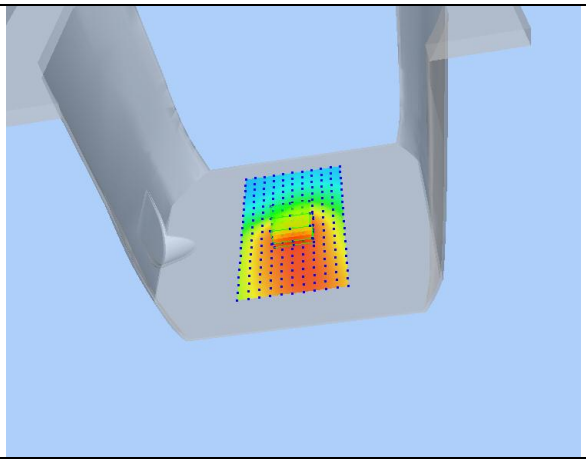
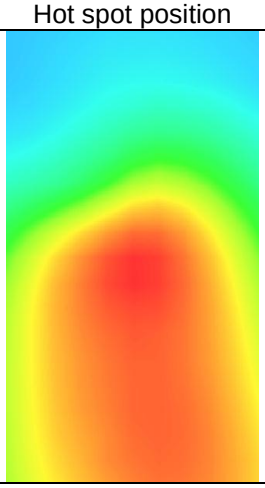
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.064
Variation (%)	-0.350
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.085	0.065	0.050	0.038	0.029



F. 3D Image

3D screen shot	Hot spot position
	

Plot 28

A. Experimental conditions.

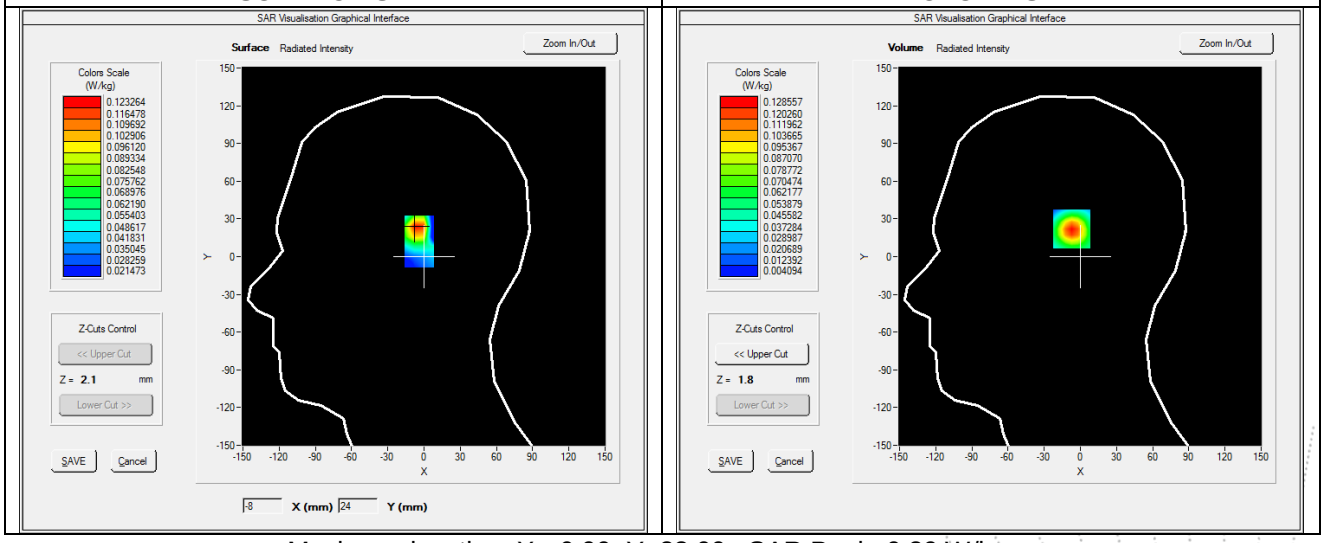
Probe	SN 25/22 EPGO373
ConvF	3.96
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Left head
Device Position	Tilt
Band	IEEE 802.11b ISM
Channels	High
Signal	IEEE802.b (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2462.000
Relative permitivity (real part)	39.934
Relative permitivity (imaginary part)	13.271
Conductivity (S/m)	1.841

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR



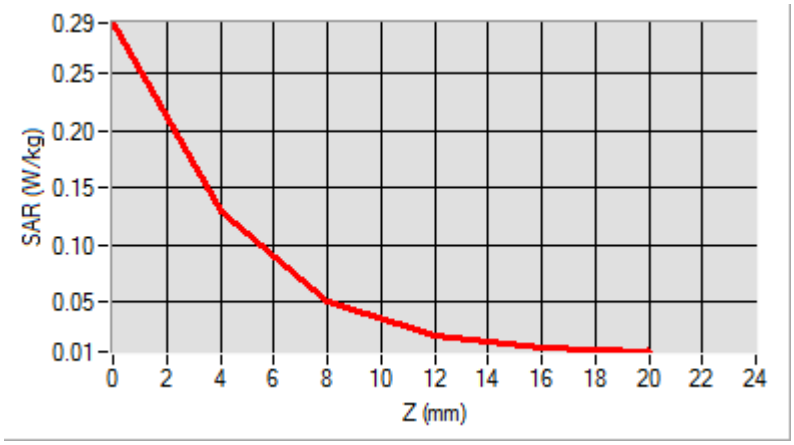
Maximum location: X=-6.00, Y=23.00 ; SAR Peak: 0.29 W/kg

D. SAR 1g & 10g

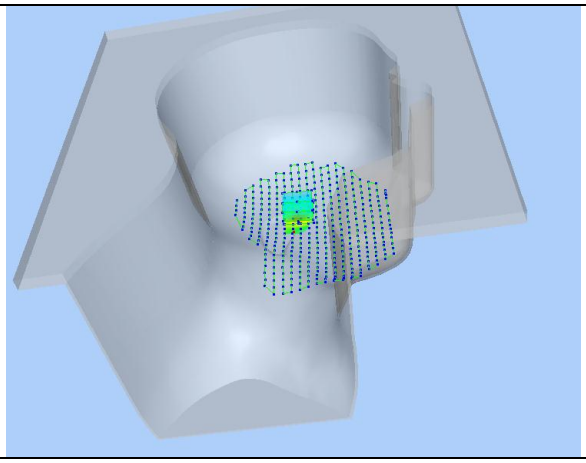
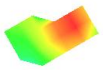
SAR 10g (W/Kg)	0.051
SAR 1g (W/Kg)	0.121
Variation (%)	0.270
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.294	0.129	0.050	0.020	0.010



F. 3D Image

3D screen shot	Hot spot position
	

Plot 29

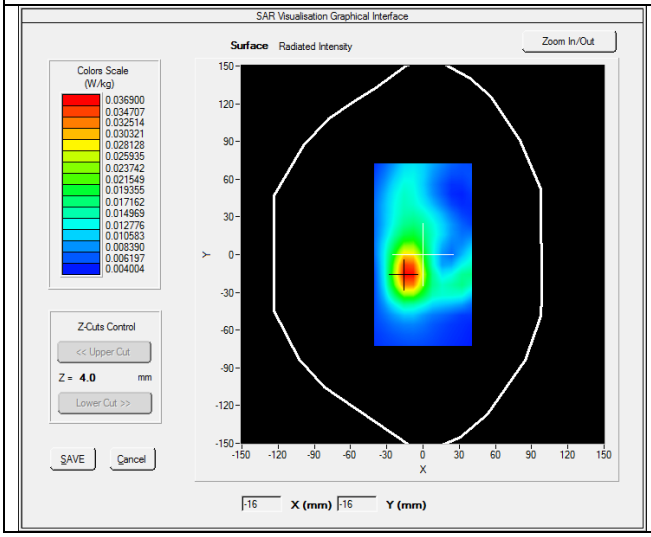
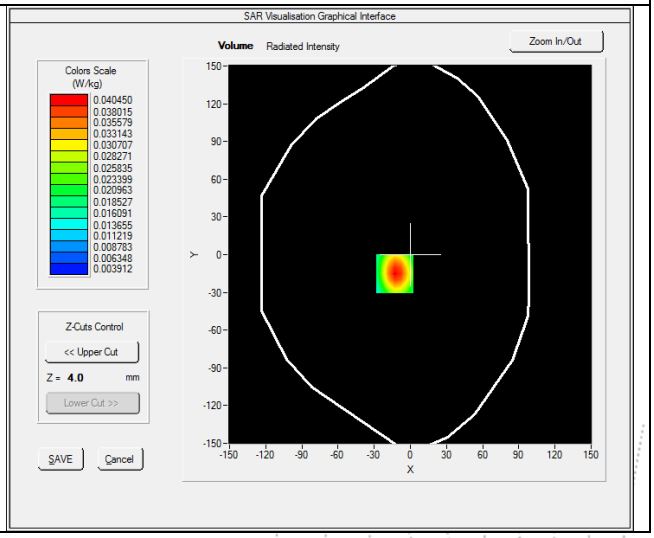
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	3.96
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11b ISM
Channels	High
Signal	IEEE802.b (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2462.000
Relative permitivity (real part)	39.934
Relative permitivity (imaginary part)	13.271
Conductivity (S/m)	1.841

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

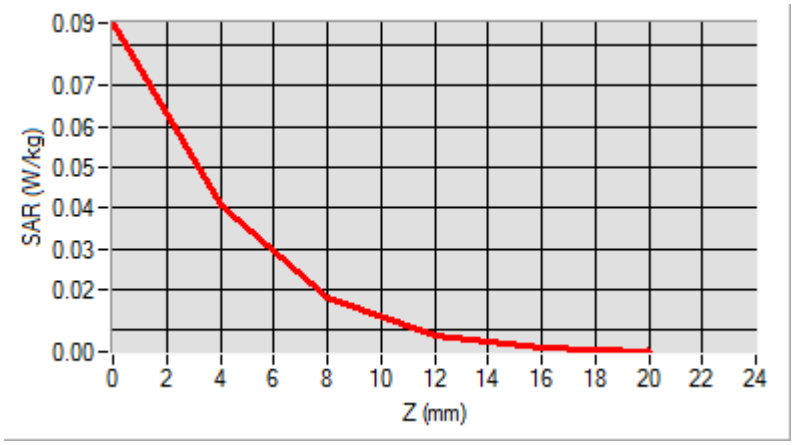
Maximum location: X=-13.00, Y=-15.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

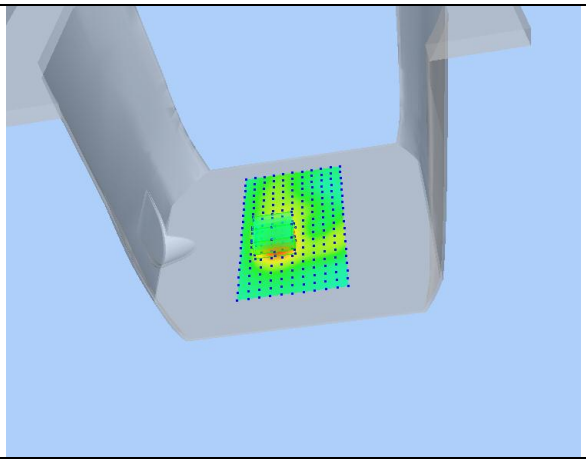
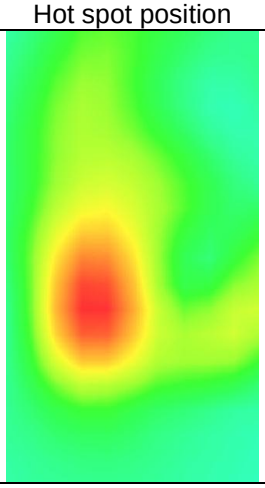
SAR 10g (W/Kg)	0.019
SAR 1g (W/Kg)	0.039
Variation (%)	1.960
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	0.085	0.040	0.018	0.009	0.006



F. 3D Image

3D screen shot	Hot spot position
	

Plot 30

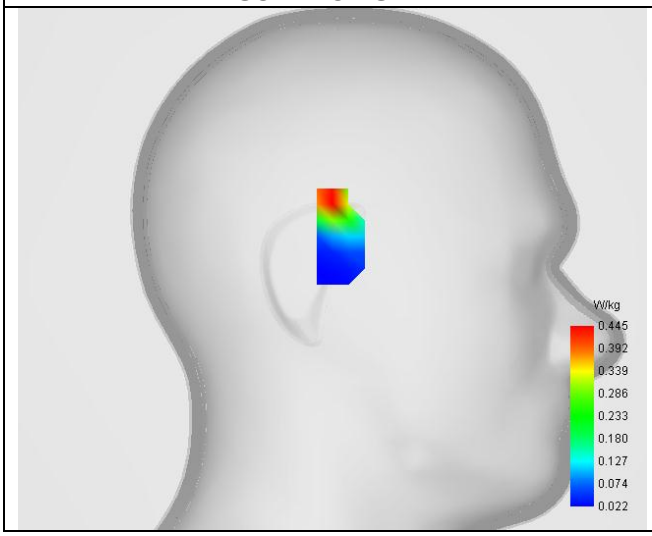
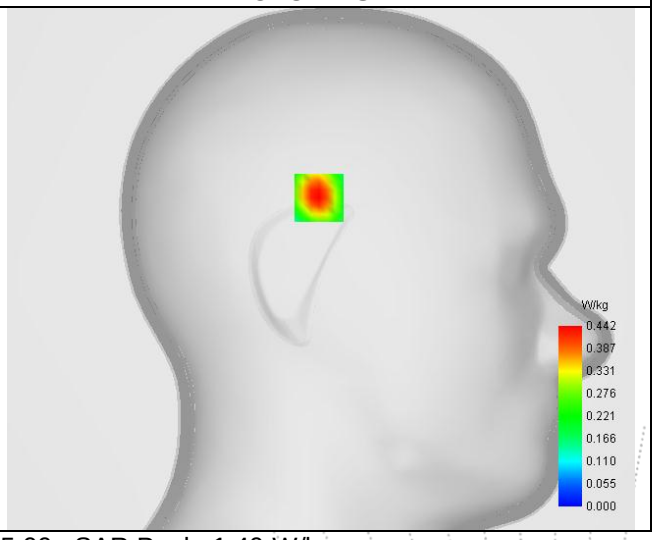
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.72
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11a U-NII-1
Channels	Low
Signal	IEEE802.a (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5180.000
Relative permitivity (real part)	35.256
Relative permitivity (imaginary part)	16.119
Conductivity (S/m)	4.575

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

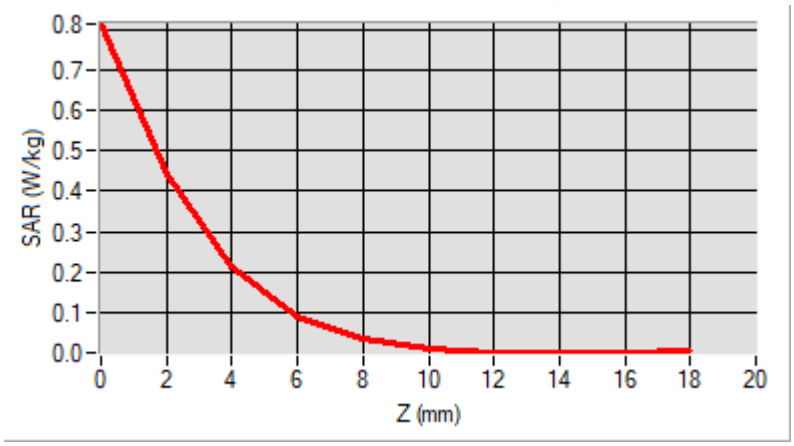
Maximum location: X=1.00, Y=35.00 ; SAR Peak: 1.40 W/kg

D. SAR 1g & 10g

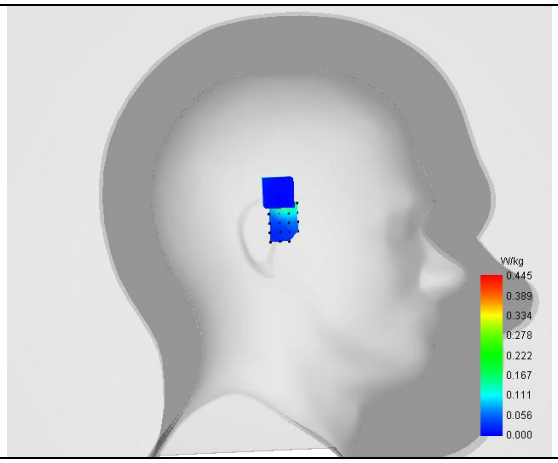
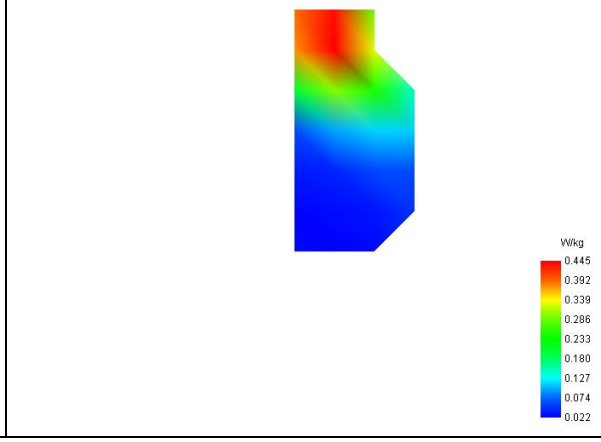
SAR 10g (W/Kg)	0.178
SAR 1g (W/Kg)	0.467
Variation (%)	-3.440
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.813	0.442	0.214	0.092	0.037	0.011	0.002	0.003	0.003



F. 3D Image

3D screen shot	Hot spot position
	

Plot 31

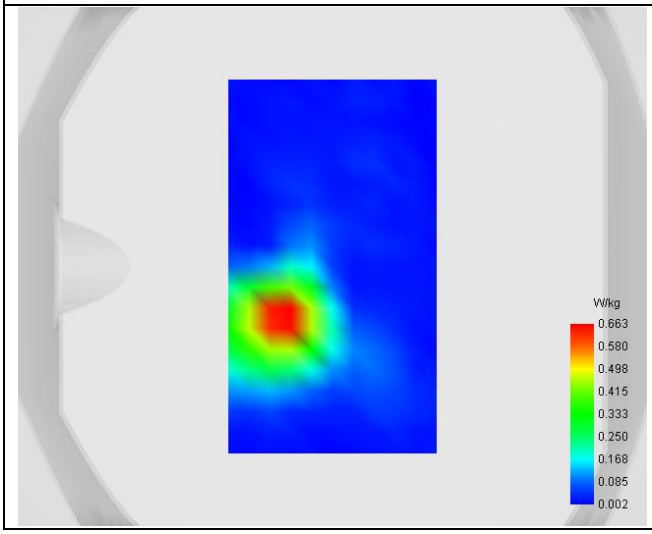
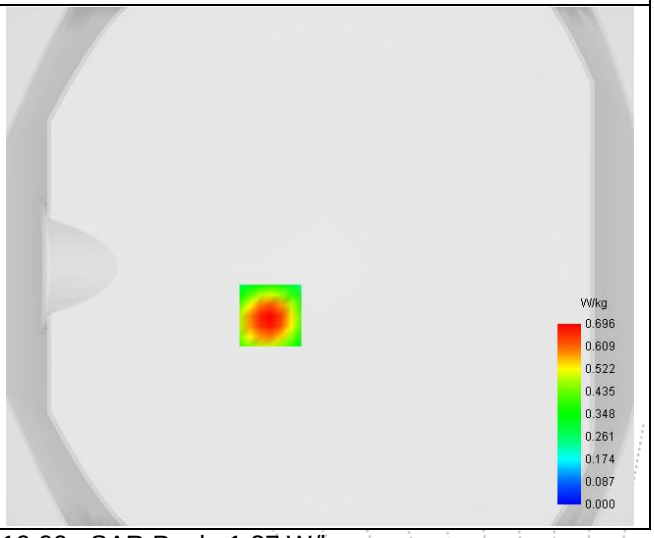
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.72
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11a U-NII-1
Channels	Low
Signal	IEEE802.a (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5180.000
Relative permitivity (real part)	35.256
Relative permitivity (imaginary part)	16.119
Conductivity (S/m)	4.575

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

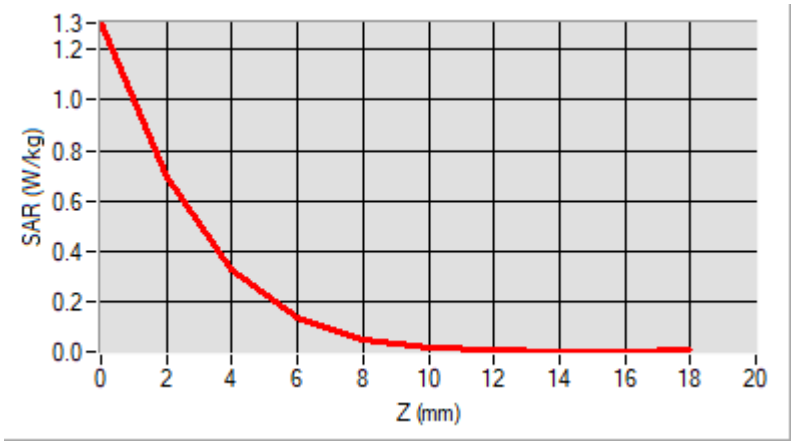
Maximum location: X=-19.00, Y=-19.00 ; SAR Peak: 1.37 W/kg

D. SAR 1g & 10g

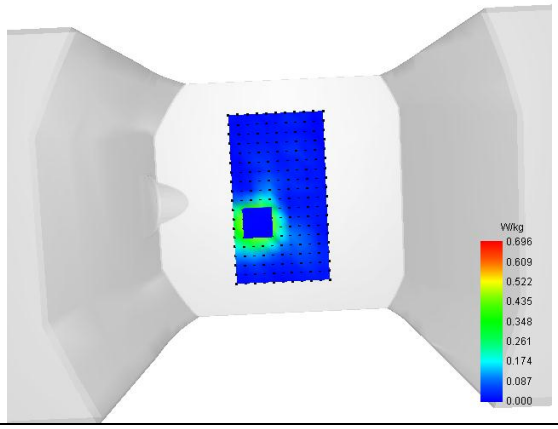
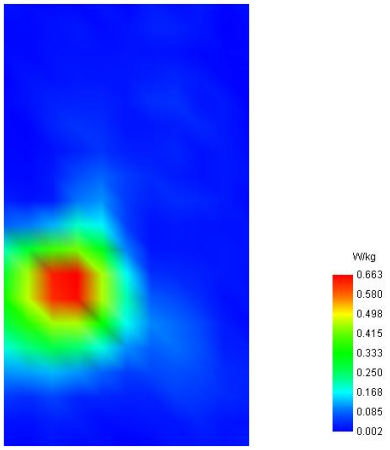
SAR 10g (W/Kg)	0.119
SAR 1g (W/Kg)	0.380
Variation (%)	-2.330
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	1.306	0.696	0.330	0.137	0.051	0.017	0.005	0.005	0.001



F. 3D Image

3D screen shot	Hot spot position
	

Plot 32

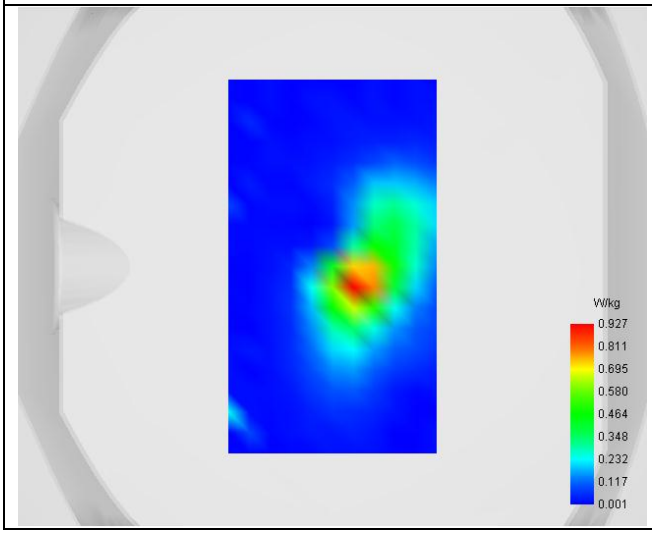
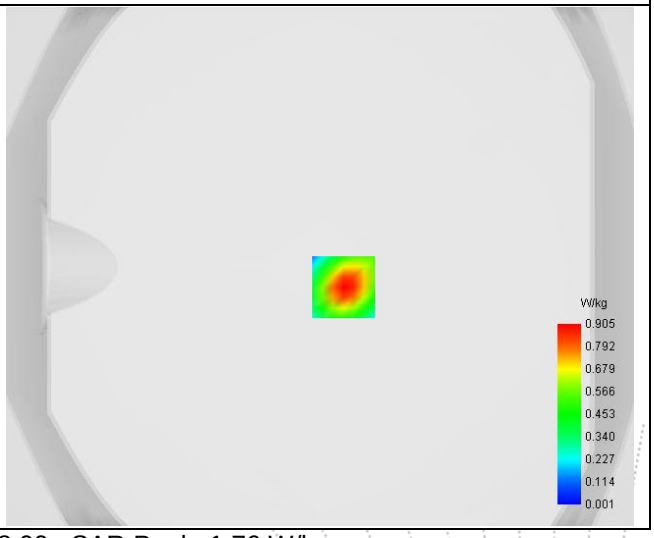
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.72
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11a U-NII-1
Channels	Low
Signal	IEEE802.a (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5180.000
Relative permitivity (real part)	35.256
Relative permitivity (imaginary part)	16.119
Conductivity (S/m)	4.575

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

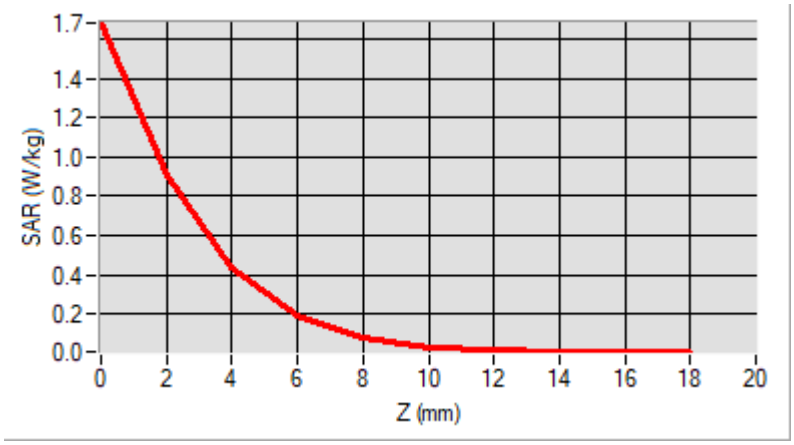
Maximum location: X=9.00, Y=-8.00 ; SAR Peak: 1.76 W/kg

D. SAR 1g & 10g

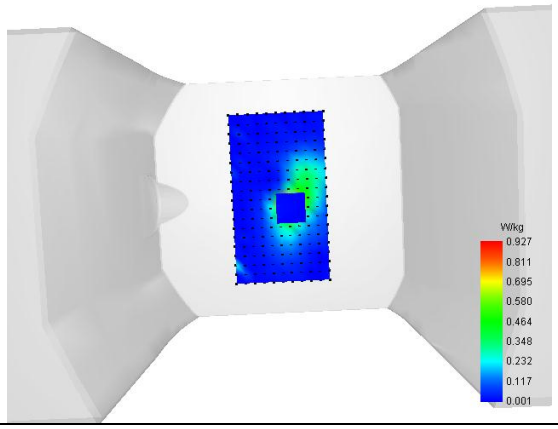
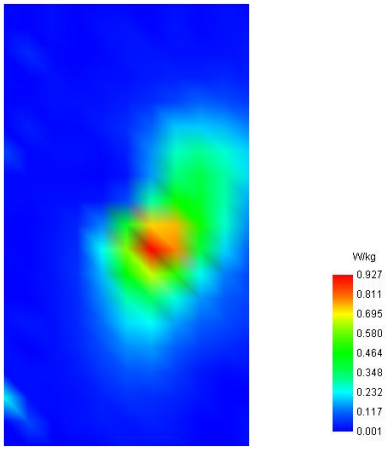
SAR 10g (W/Kg)	0.146
SAR 1g (W/Kg)	0.485
Variation (%)	-4.400
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	1.683	0.905	0.436	0.187	0.074	0.029	0.012	0.007	0.007



F. 3D Image

3D screen shot	Hot spot position
	

Plot 33

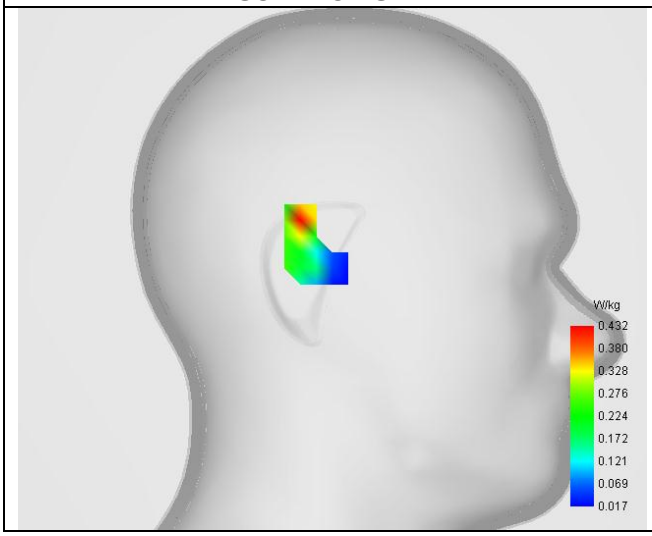
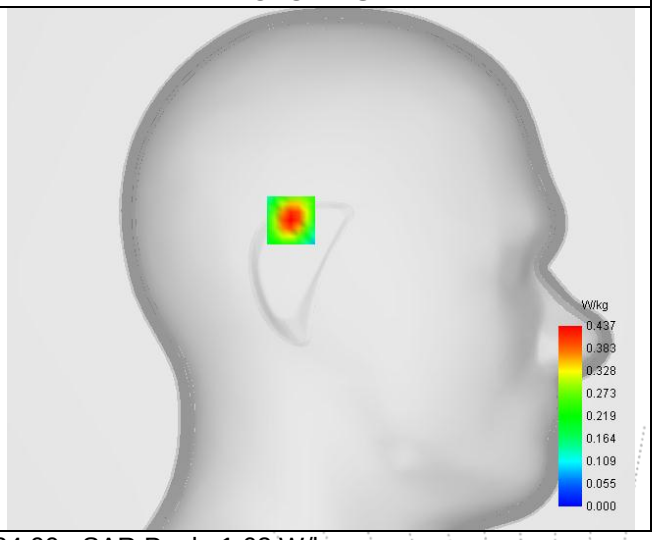
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.86
Area Scan	dx=8mm dy=8mm, Adaptative 1 max
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Left head
Device Position	Cheek
Band	IEEE 802.11a U-NII-3
Channels	High
Signal	IEEE802.a (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5825.000
Relative permitivity (real part)	34.670
Relative permitivity (imaginary part)	16.370
Conductivity (S/m)	5.228

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

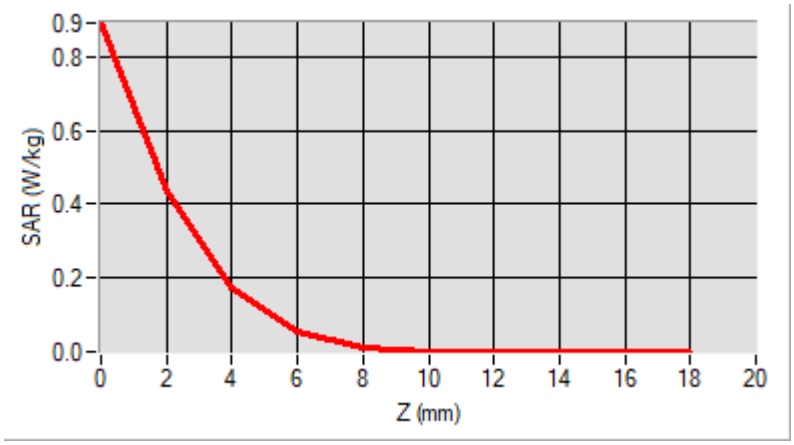
Maximum location: X=15.00, Y=24.00 ; SAR Peak: 1.62 W/kg

D. SAR 1g & 10g

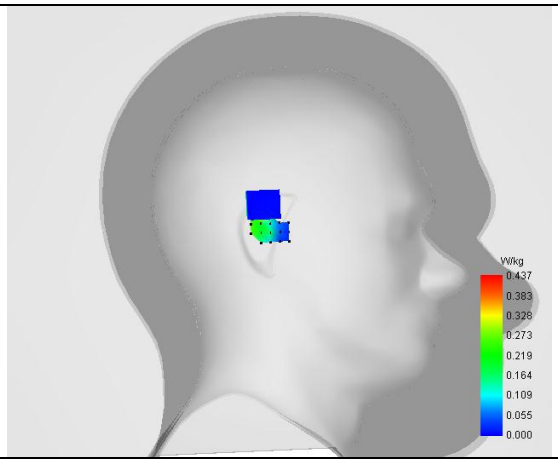
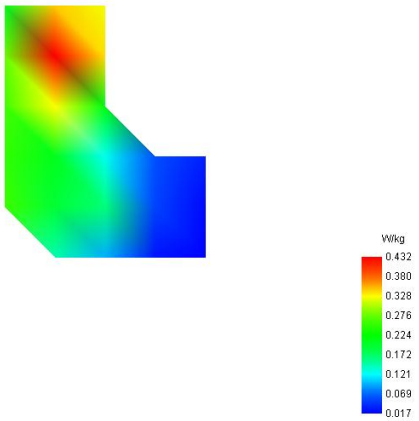
SAR 10g (W/Kg)	0.170
SAR 1g (W/Kg)	0.481
Variation (%)	-3.980
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	0.892	0.437	0.176	0.055	0.010	0.000	0.001	0.002	0.002



F. 3D Image

3D screen shot	Hot spot position
	

Plot 34

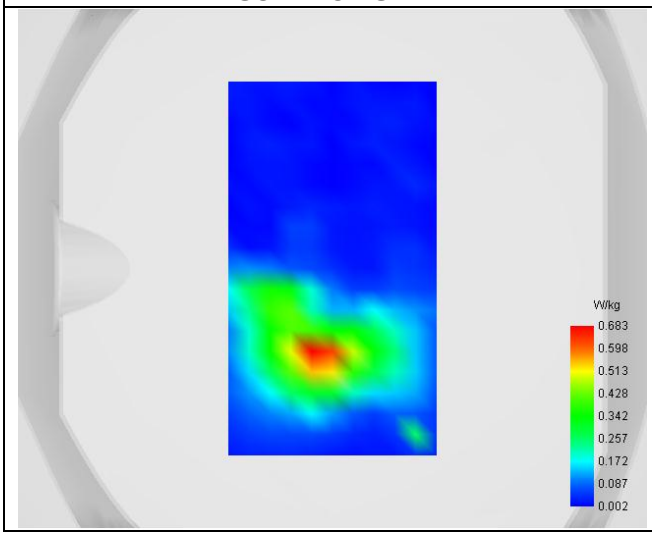
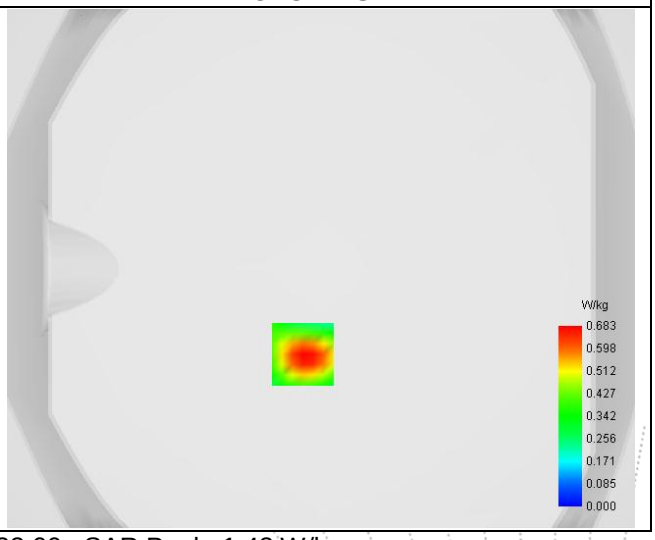
A. Experimental conditions.

Probe	SN 25/22 EPGO373
ConvF	2.86
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	IEEE 802.11a U-NII-3
Channels	High
Signal	IEEE802.a (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5825.000
Relative permitivity (real part)	34.670
Relative permitivity (imaginary part)	16.370
Conductivity (S/m)	5.228

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

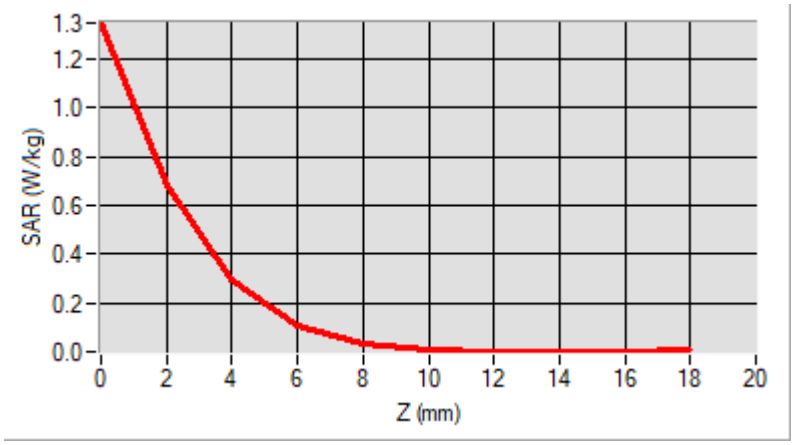
Maximum location: X=-7.00, Y=-33.00 ; SAR Peak: 1.43 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.106
SAR 1g (W/Kg)	0.367
Variation (%)	-4.140
Horizontal validation criteria: minimum distance (mm)	--
Vertical validation criteria: SAR ratio M2/M1 (%)	--

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00
SAR (W/Kg)	1.349	0.683	0.296	0.106	0.030	0.006	0.001	0.000	0.001



F. 3D Image

3D screen shot	Hot spot position