WIFI 5.2G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	48	5240	100	15.23	15.5	1.064	0.256	**0.272**	5
		a	Top	48	5240	100	15.23	15.5	1.064	0.245	0.261	
		a	Back	36	5180	100	15.09	15.5	1.099	0.234	0.257	
		a	Back	44	5220	100	15.13	15.5	1.089	0.210	0.229	

WIFI 5.4G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	52	5260	100	15.76	16.0	1.186	0.876	**0.926**	6
		a	Top	52	5260	100	15.76	16.0	1.186	0.393	0.415	
		a	Back	60	5300	100	15.69	16.0	1.205	0.728	0.782	
		a	Back	64	5320	100	15.56	16.0	1.242	0.811	0.897	

WIFI 5.4G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	64	5320	100	15.69	16.0	1.074	0.522	**0.561**	7
		a	Top	64	5320	100	15.69	16.0	1.074	0.327	0.351	
		a	Back	52	5260	100	15.39	16.0	1.151	0.405	0.466	
		a	Back	60	5300	100	15.59	16.0	1.099	0.436	0.479	

WIFI 5.6G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	140	5700	100	15.66	16.0	1.081	0.491	0.531	
		a	Top	140	5700	100	15.66	16.0	1.081	0.326	0.353	
		a	Back	100	5500	100	15.10	16.0	1.230	0.464	0.571	
		a	Back	116	5580	100	15.39	16.0	1.151	0.513	**0.590**	8

WIFI 5.6G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	140	5700	100	15.43	16.0	1.140	0.240	0.274	
		a	Top	140	5700	100	15.43	16.0	1.140	0.235	0.268	
		a	Back	100	5500	100	14.90	16.0	1.288	0.271	0.349	
		a	Back	116	5580	100	14.60	16.0	1.380	0.303	**0.418**	9

WIFI 5.8G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ac40	Back	159	5795	100	20.54	21.0	1.112	0.790	0.878	
		ac40	Top	159	5795	100	20.54	21.0	1.112	0.498	0.554	
		ac40	Back	151	5755	100	20.07	21.0	1.239	0.765	**0.948**	10

WIFI 5.8G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ax20	Back	165	5825	100	20.25	20.5	1.059	0.357	0.378	
		ax20	Top	165	5825	100	20.25	20.5	1.059	0.276	0.292	
		ax20	Back	149	5745	100	20.16	20.5	1.081	0.404	**0.437**	11
		ax20	Back	157	5785	100	20.12	20.5	1.091	0.396	0.432	

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Bluetooth												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	GFSK	Back	39	2480	100	8.99	9.5	1.125	0.146	0.164	
		GFSK	Left	39	2480	100	8.99	9.5	1.125	0.133	0.150	
		GFSK	Back	0	2402	100	7.30	9.5	1.660	0.187	**0.310**	1
		GFSK	Back	19	2440	100	7.92	9.5	1.439	0.124	0.178	

WIFI 2.4G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ax40	Back	1	2422	100	26.88	27.5	1.153	0.755	**0.871**	2
		ax40	Left	1	2422	100	26.88	27.5	1.153	0.117	0.135	
		ax40	Back	6	2437	100	26.72	27.5	1.197	0.659	0.789	
		ax40	Back	12	2452	100	26.52	27.5	1.253	0.678	0.850	

WIFI 2.4G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ax40	Back	12	2452	100	26.28	27.0	1.180	0.136	0.161	
		ax40	Right	12	2452	100	26.28	27.0	1.180	0.151	0.178	
		ax40	Bottom	12	2452	100	26.28	27.0	1.180	0.112	0.132	
		ax40	Right	1	2422	100	26.20	27.0	1.202	0.149	**0.179**	3
		ax40	Right	6	2437	100	26.24	27.0	1.191	0.124	0.148	

WIFI 5.2G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	48	5240	100	15.68	16.0	1.076	0.266	0.286	
		a	Left	48	5240	100	15.68	16.0	1.076	0.499	**0.537**	4
		a	Left	36	5180	100	15.21	16.0	1.199	0.427	0.512	
		a	Left	44	5220	100	15.45	16.0	1.135	0.416	0.472	

WIFI 5.2G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	48	5240	100	15.23	15.5	1.064	0.336	0.358	
		a	Right	48	5240	100	15.23	15.5	1.064	0.456	**0.485**	5
		a	Bottom	48	5240	100	15.23	15.5	1.064	0.240	0.255	
		a	Right	36	5180	100	15.09	15.5	1.099	0.317	0.348	
		a	Right	44	5220	100	15.13	15.5	1.089	0.371	0.404	

WIFI 5.4G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	52	5260	100	15.76	16.5	1.186	0.387	0.459	
		a	Left	52	5260	100	15.76	16.5	1.186	0.814	0.965	
		a	Left	60	5300	100	15.69	16.5	1.205	0.843	1.016	
		a	Left	64	5320	100	15.56	16.5	1.242	0.925	**1.149**	6

WIFI 5.4G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	64	5320	100	15.69	16.0	1.074	0.215	0.231	
		a	Right	64	5320	100	15.69	16.0	1.074	0.430	0.462	
		a	Bottom	64	5320	100	15.69	16.0	1.074	0.610	**0.655**	7
		a	Bottom	52	5260	100	15.39	16.0	1.151	0.568	0.654	
		a	Bottom	60	5300	100	15.59	16.0	1.099	0.472	0.519	

WIFI 5.6G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	140	5700	100	15.66	16.0	1.081	0.227	0.245	
		a	Left	140	5700	100	15.66	16.0	1.081	0.734	0.794	
		a	Left	100	5500	100	15.10	16.0	1.230	0.694	**0.854**	8
		a	Left	116	5580	100	15.39	16.0	1.151	0.625	0.719	

WIFI 5.6G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	a	Back	140	5700	100	15.43	16.0	1.140	0.302	0.344	
		a	Right	140	5700	100	15.43	16.0	1.140	0.451	0.514	
		a	Bottom	140	5700	100	15.43	16.0	1.140	0.647	0.738	
		a	Bottom	100	5500	100	14.90	16.0	1.288	0.572	0.737	
		a	Bottom	116	5580	100	14.60	16.0	1.380	0.543	**0.750**	9

WIFI 5.8G (ANT-A)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ac40	Back	159	5795	100	20.54	21.0	1.112	0.492	0.547	
		ac40	Left	159	5795	100	20.54	21.0	1.112	1.062	1.181	
		ac40	Left	151	5755	100	20.07	21.0	1.239	1.078	**1.335**	10

WIFI 5.8G (ANT-B)												
RF Exposure Conditions	Dist. (mm)	Mode	Test Position	CH.	Freq. (MHz)	Duty Cycle (%)	Output Power (dBm)	Turn up (dBm)	Turn-up Scaling Factor	SAR1g (W/kg)		Plot No.
										Meas.	Scaled	
Body	0	ax20	Back	165	5825	100	20.25	20.5	1.059	0.577	0.611	
		ax20	Right	165	5825	100	20.25	20.5	1.059	0.707	0.749	
		ax20	Bottom	165	5825	100	20.16	20.5	1.081	0.700	0.757	
		ax20	Right	149	5745	100	20.12	20.5	1.091	0.890	**0.971**	11
		ax20	Right	157	5785	100	20.25	20.5	1.059	0.821	0.870	

14.4 SAR Measurement Variability

According to KDB865664, Repeated measurements are required only when the measured SAR is ≥ 0.80 W/kg. If the measured SAR value of the initial repeated measurement is < 1.45 W/kg with ≤ 20% variation, only one repeated measurement is required to reaffirm that the results are not expected to have substantial variations, which may introduce significant compliance concerns. A second repeated measurement is required only if the measured result for the initial repeated measurement is within 10% of the SAR limit and vary by more than 20%, which are often related to device and measurement setup difficulties. The following procedures are applied to determine if repeated measurements are required. The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.19 The repeated measurement results must be clearly identified in the SAR report. All measured SAR, including the repeated results, must be considered to determine compliance and for reporting according to KDB 690783.Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

1) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
3) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.
4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20

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Test Mode	Frequency Band (MHz)	RF Exposure Configuration	Test Position	Repeated SAR (yes/no)	Highest Measured SAR1-g (W/Kg)	First Repeated	
						Measured SAR1-g (W/Kg)	Largest to Smallest SAR Ratio
WIFI 5.2G (ANT-A)	5230	Body	Back	yes	0.797	0.750	1.063
WIFI 5.4G (ANT-A)	5270	Body	Back	yes	0.876	0.841	1.042
WIFI 5.8G (ANT-A)	5755	Body	Back	yes	0.790	0.746	1.059

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Test Mode	Frequency Band (MHz)	RF Exposure Configuration	Test Position	Repeated SAR (yes/no)	Highest Measured SAR1-g (W/Kg)	First Repeated	
						Measured SAR1-g (W/Kg)	Largest to Smallest SAR Ratio
WIFI 2.4G (ANT-A)	2422	Body	Back	yes	0.755	0.727	1.039
WIFI 5.4G (ANT-A)	5310	Body	Left	yes	0.925	0.907	1.020
WIFI 5.8G (ANT-A)	5795	Body	Left	yes	1.078	1.010	1.067
WIFI 5.8G (ANT-B)	5745	Body	Right	yes	0.890	0.858	1.037

14.5 Simultaneous Transmission Evaluation

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmiting antenna.

Application Simultaneous Transmission information:

No.	Configurations	Body SAR
1	WIFI(ANT-A) + WIFI(ANT-B)	Yes
2	WIFI(ANT-A) + Bluetooth	No
3	WIFI(ANT-B) + Bluetooth	Yes

Remark:

1. 1. Wi-Fi 2.4GHz and Wi-Fi 5GHz cannot transmit simultaneously.
2. WIFI(ANT-A) and Bluetooth are the same antenna and cannot be sent at the same time.
3. According to the KDB 447498 D01 v06, when standalone SAR test exclusion applies to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to following to determine simultaneous transmission SAR test exclusion:

● (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;
where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.
● 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the test separation distances is > 50 mm

Estimated stand alone SAR						
Communication system	Frequency (MHz)	Maximum Power (dBm)	Maximum Power (mW)	Separation Distance (mm)	X	Estimated SAR1-g (W/kg)
/	/	/	/	5	7.5	/
/	/	/	/	10	7.5	/

Note:

1. Maximum average power including tune-up tolerance;
2. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

4. Per FCC KD B447498 D01, simultaneous transmission SAR test exclusion may be applied when the sum of the 1-g SAR for all the transmitting antenna in a specific a physical test configuration is ≤1.6 W/Kg. When the sum is greater than the SAR limit, SAR test exclusion is determined by the SAR to peak location separation ratio.

$$\text{Ratio}=\frac{(SAR_1+SAR_2)^{1.5}}{(\text{peak location separation,mm})}<0.04$$

5. Simultaneous transmission of maximum SAR sum calculation.

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RF Exposure Conditions	Test Position	Standalone SAR (W/kg)			Summed SAR W/kg)	
		1	2	3	1+2	2+3
		WIFI (ANT-A)	WIFI (ANT-B)	Bluetooth		
Body	Front	/	/	/	/	/
	Back	0.818	0.728	0.334	1.546	1.062
	Top	0.577	0.610	0.136	1.187	0.746
	Bottom	/	/	/	/	/
	Left	/	/	/	/	/
	Right	/	/	/	/	/

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RF Exposure Conditions	Test Position	Standalone SAR (W/kg)			Summed SAR W/kg)	
		1	2	3	1+2	2+3
		WIFI (ANT-A)	WIFI (ANT-B)	Bluetooth		
Body	Front	/	/	/	/	/
	Back	0.926	0.561	0.254	1.487	0.815
	Top	0.554	0.354	0.161	0.908	0.515
	Bottom	/	/	/	/	/
	Left	/	/	/	/	/
	Right	/	/	/	/	/

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RF Exposure Conditions	Test Position	Standalone SAR (W/kg)			Summed SAR W/kg)	
		1	2	3	1+2	2+3
		WIFI (ANT-A)	WIFI (ANT-B)	Bluetooth		
Body	Front	/	/	/	/	/
	Back	0.871	0.611	0.310	1.482	0.921
	Top	/	/	/	/	/
	Bottom	/	0.757	/	0.757	0.757
	Left	1.335	/	0.150	1.335	0.150
	Right	/	0.971	/	0.971	0.971

15. Test Plots

15.1 System Performance Check

System check at 2450 MHz	Test date: 2023.12.05

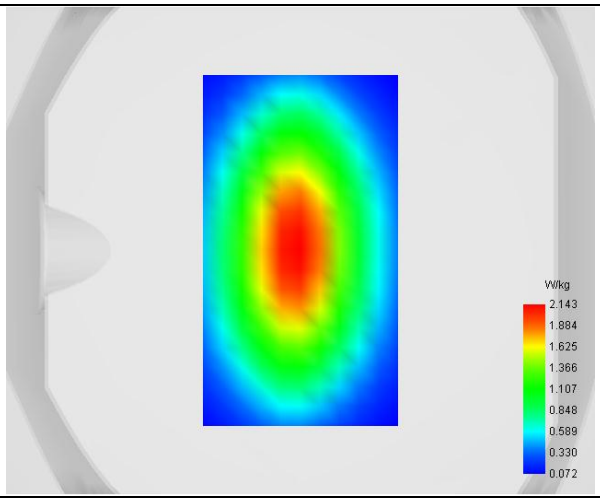
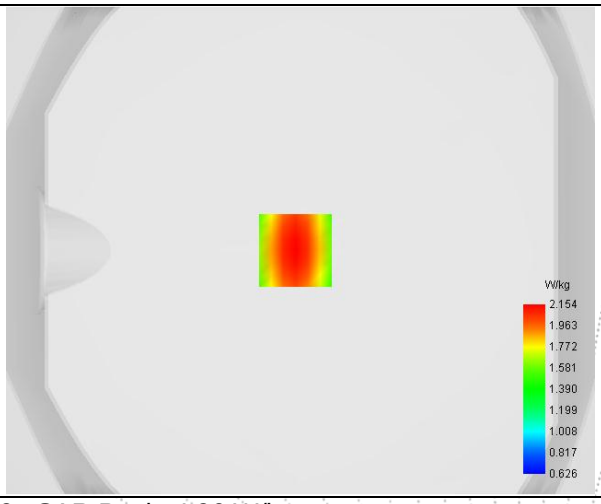
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2450.000
Relative permitivity (real part)	38.354
Relative permitivity (imaginary part)	13.984
Conductivity (S/m)	1.827

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

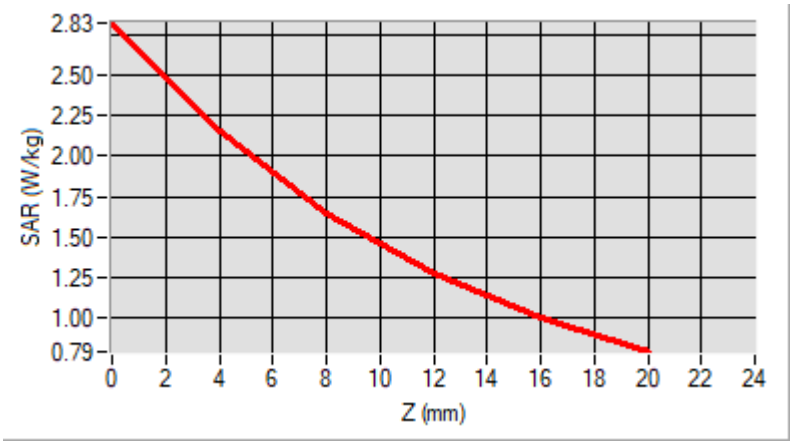
Maximum location: X=-2.00, Y=0.00 ; SAR Peak: 4.96 W/kg

D. SAR 1g & 10g

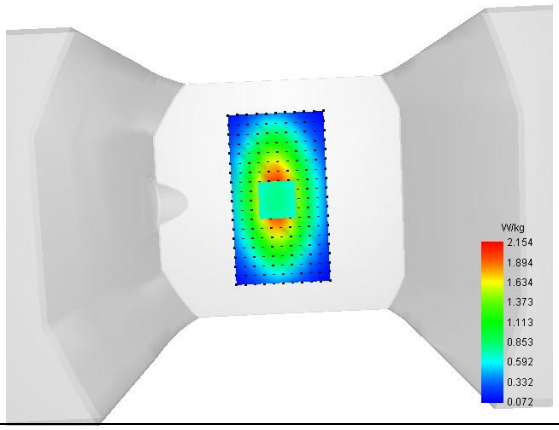
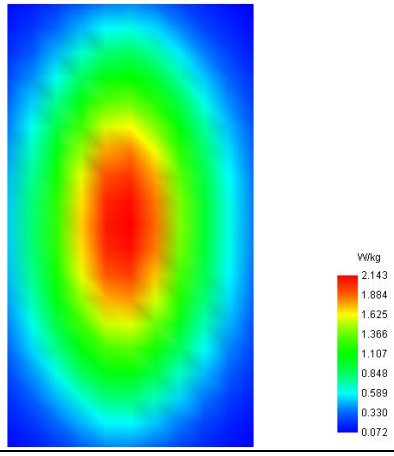
SAR 10g (W/Kg)	5.701
SAR 1g (W/Kg)	14.318
Variation (%)	-1.574
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	2.832	2.176	1.674	1.285	1.064



F. 3D Image

3D screen shot	Hot spot position
	

System check at 5200 MHz	Test date: 2023.12.07

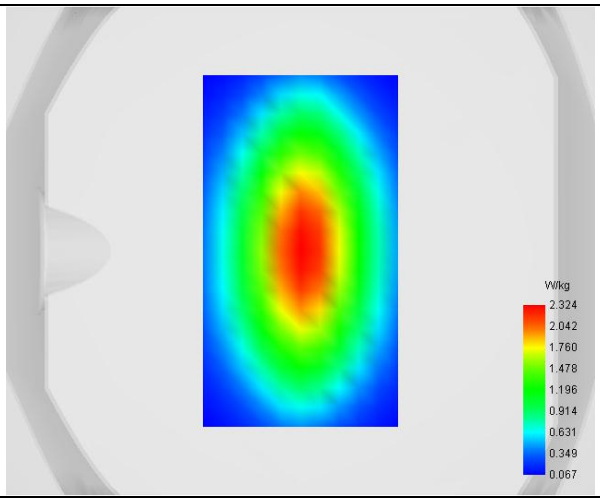
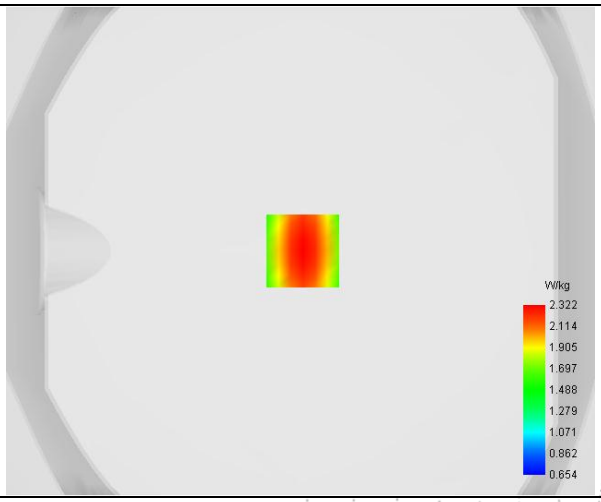
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5200.000
Relative permitivity (real part)	37.356
Relative permitivity (imaginary part)	16.154
Conductivity (S/m)	4.782

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

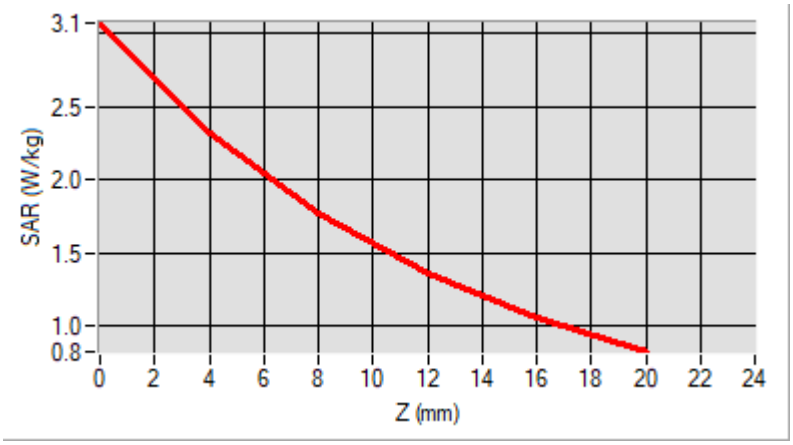
Maximum location: X=1.00, Y=0.00 ; SAR Peak: 5.68 W/kg

D. SAR 1g & 10g

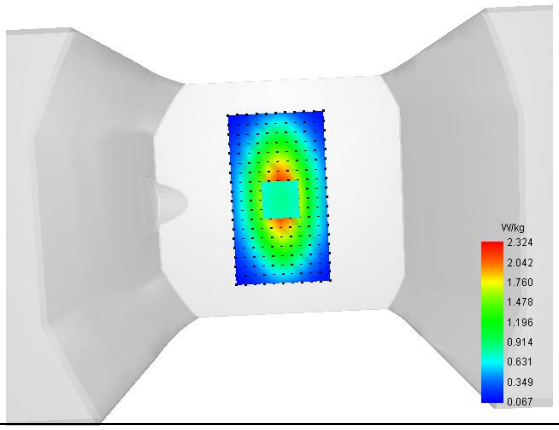
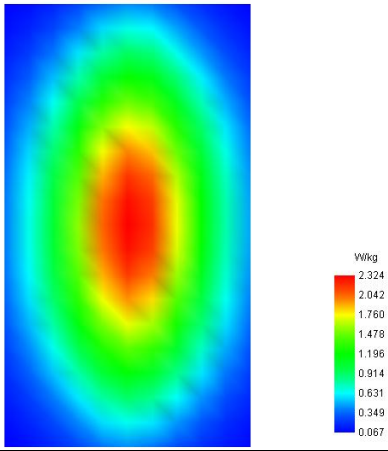
SAR 10g (W/Kg)	7.016
SAR 1g (W/Kg)	18.525
Variation (%)	-0.372
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	3.108	2.344	1.786	1.395	1.109



F. 3D Image

3D screen shot	Hot spot position
	

System check at 5400 MHz	Test date: 2023.12.07

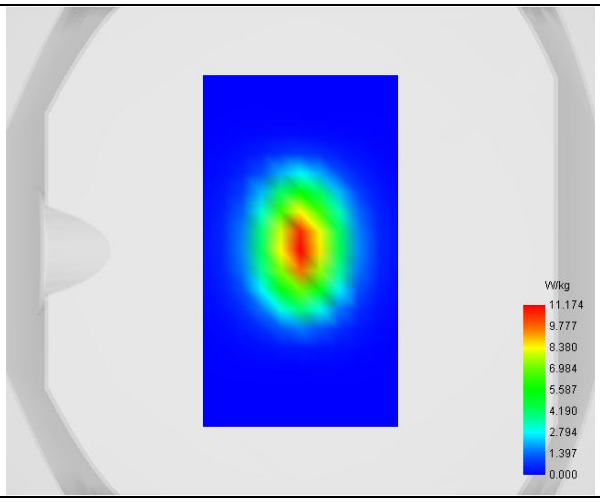
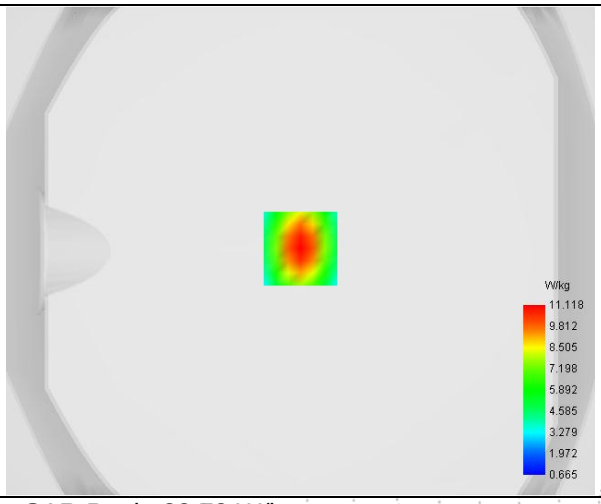
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5400
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5400.000
Relative permitivity (real part)	35.015
Relative permitivity (imaginary part)	17.082
Conductivity (S/m)	4.865

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

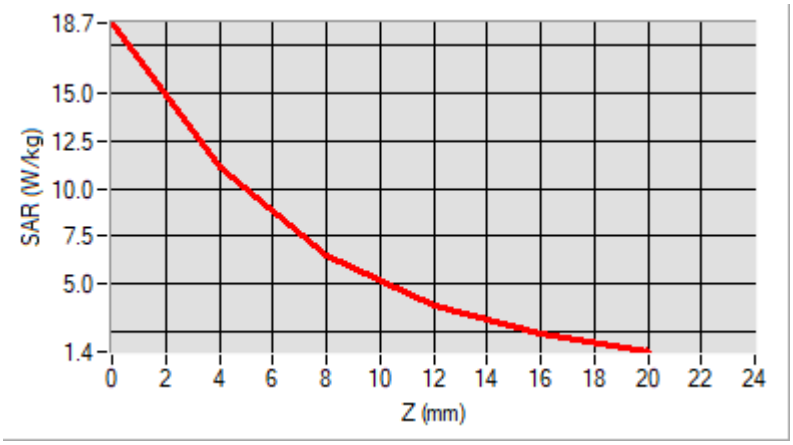
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 22.78 W/kg

D. SAR 1g & 10g

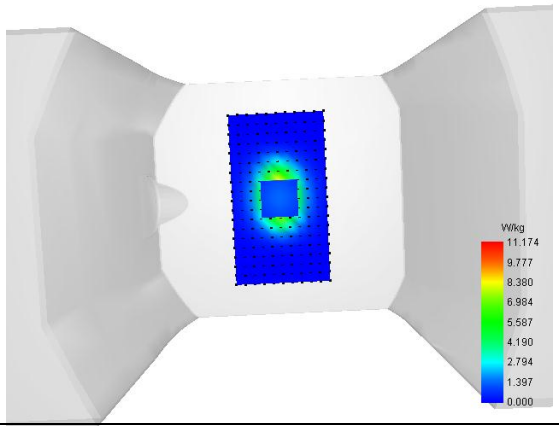
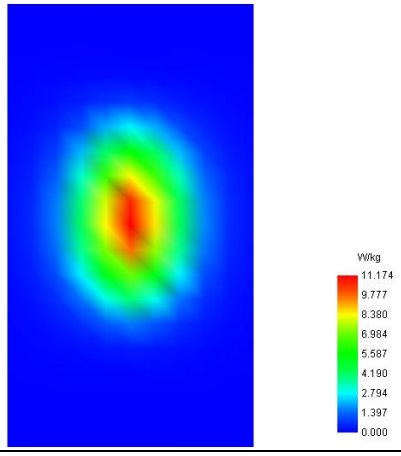
SAR 10g (W/Kg)	8.997
SAR 1g (W/Kg)	20.697
Variation (%)	-0.520
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	18.711	11.234	6.561	3.924	2.453



F. 3D Image

3D screen shot	Hot spot position
	

System check at 5600 MHz	Test date: 2023.12.11

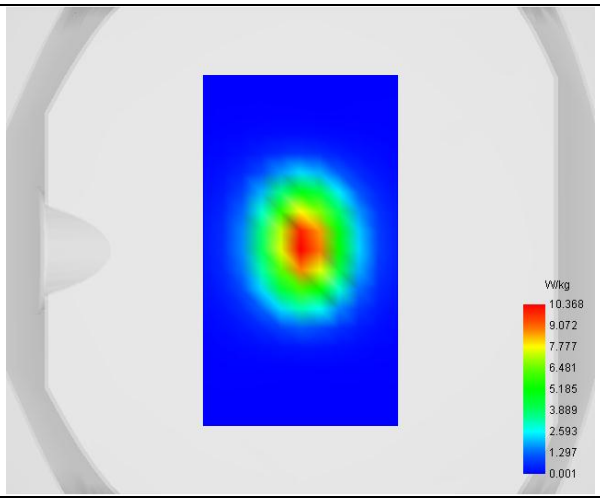
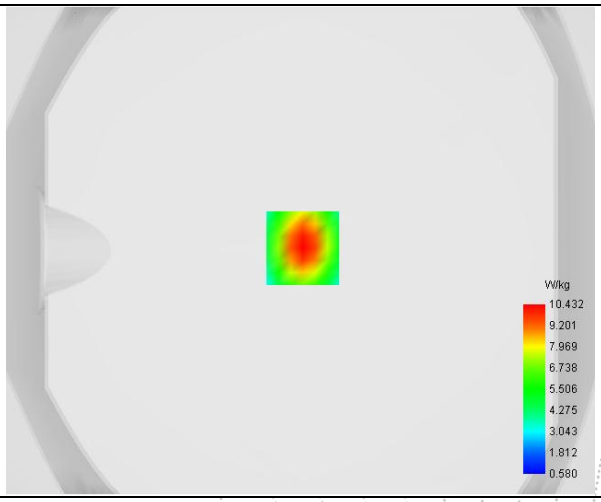
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.20
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5600.000
Relative permitivity (real part)	36.440
Relative permitivity (imaginary part)	16.911
Conductivity (S/m)	5.039

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

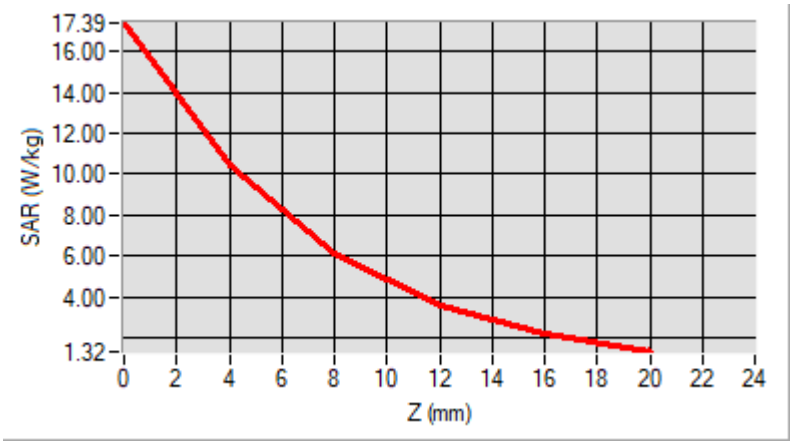
Maximum location: X=1.00, Y=1.00 ; SAR Peak: 22.54 W/kg

D. SAR 1g & 10g

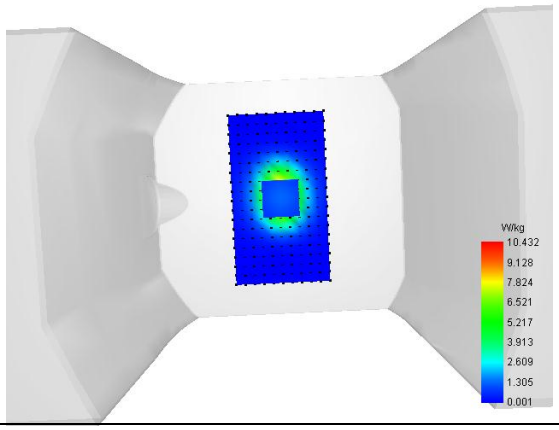
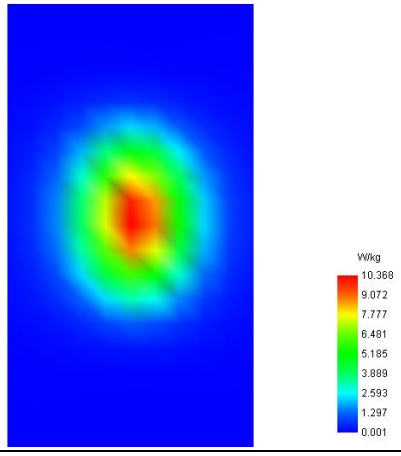
SAR 10g (W/Kg)	8.910
SAR 1g (W/Kg)	19.408
Variation (%)	2.928
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	17.387	10.484	6.206	3.672	2.184



F. 3D Image

3D screen shot	Hot spot position
	

System check at 5800 MHz	Test date: 2023.12.11

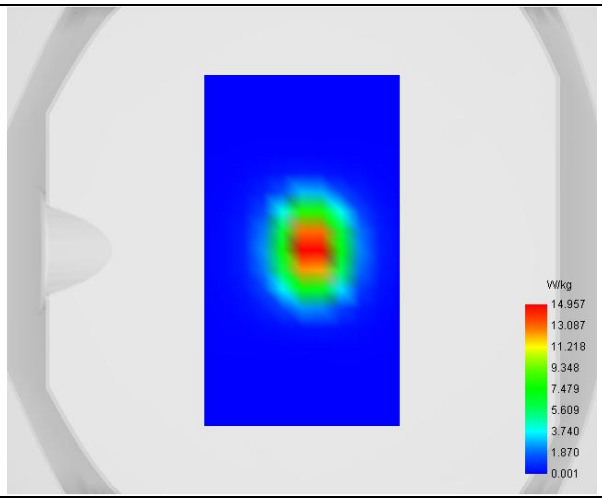
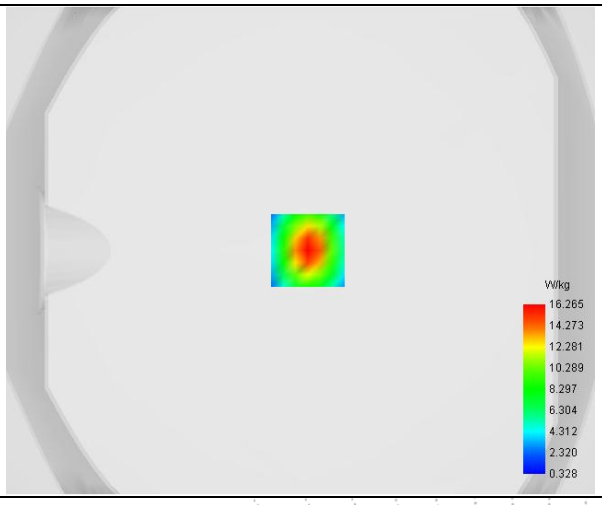
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.15
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x8,dx=5mm dy=5mm dz=2mm
Phantom	Validation plane
Device Position	Dipole
Band	CW5800
Channels	Middle
Signal	CW (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5800.000
Relative permitivity (real part)	35.816
Relative permitivity (imaginary part)	15.906
Conductivity (S/m)	5.085

C. SAR Surface and Volume

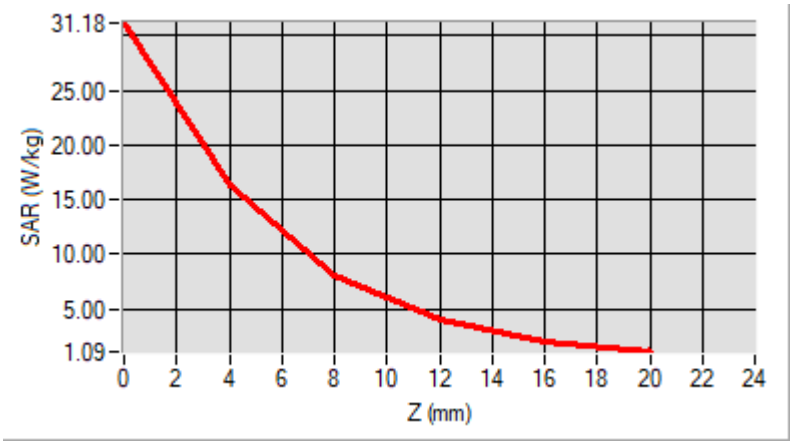
SURFACE SAR	VOLUME SAR
	

D. SAR 1g & 10g

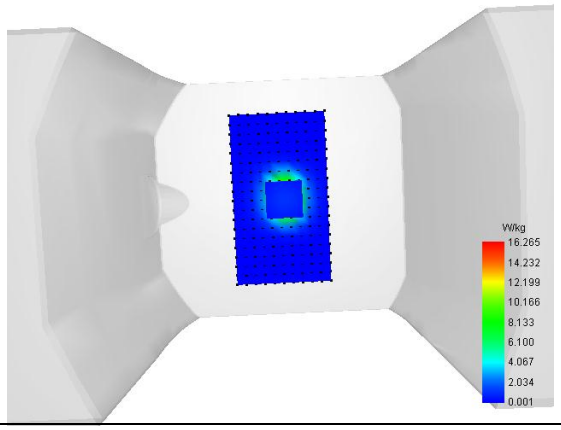
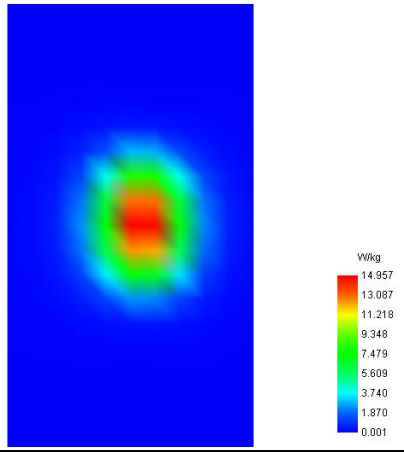
SAR 10g (W/Kg)	8.848
SAR 1g (W/Kg)	19.746
Variation (%)	3.842
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	8.00	12.00	16.00
SAR (W/Kg)	31.172	16.108	7.982	3.835	1.964



F. 3D Image

3D screen shot	Hot spot position
	

15.2 SAR Test Graph Results

CRIUS N310-G1

Plot 1	Test date: 2023.12.05

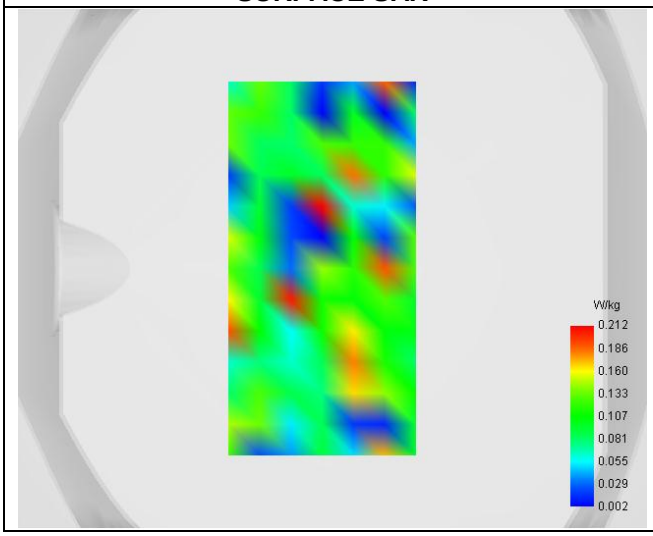
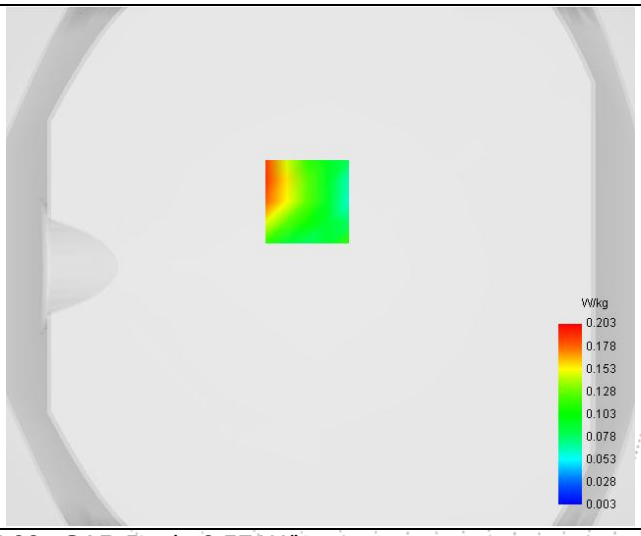
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	Bluetooth
Channels	Lower (0)
Signal	Bluetooth (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2402.000
Relative permitivity (real part)	38.354
Relative permitivity (imaginary part)	13.172
Conductivity (S/m)	1.827

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

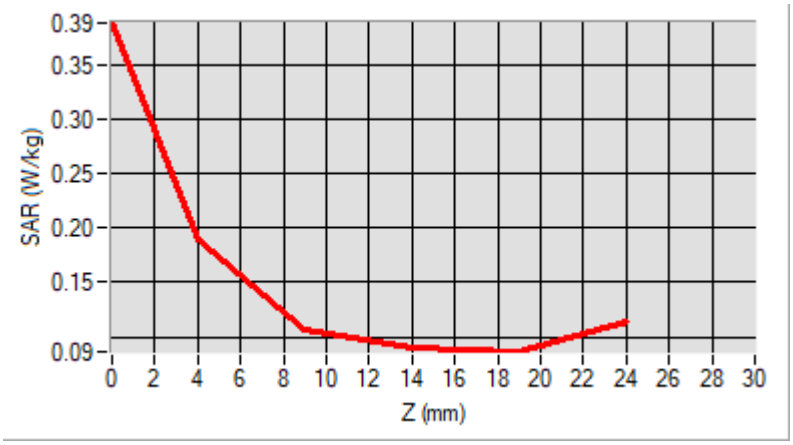
Maximum location: X=-5.00, Y=25.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

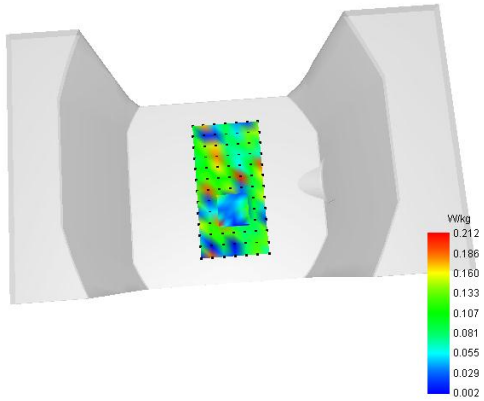
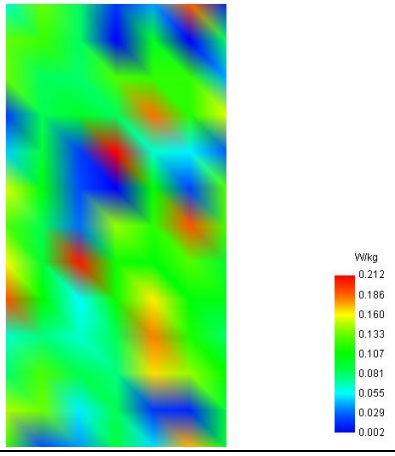
SAR 10g (W/Kg)	0.109
SAR 1g (W/Kg)	0.201
Variation (%)	2.180
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.389	0.189	0.106	0.090	0.086



F. 3D Image

3D screen shot	Hot spot position
	

Plot 2	Test date: 2023.12.05

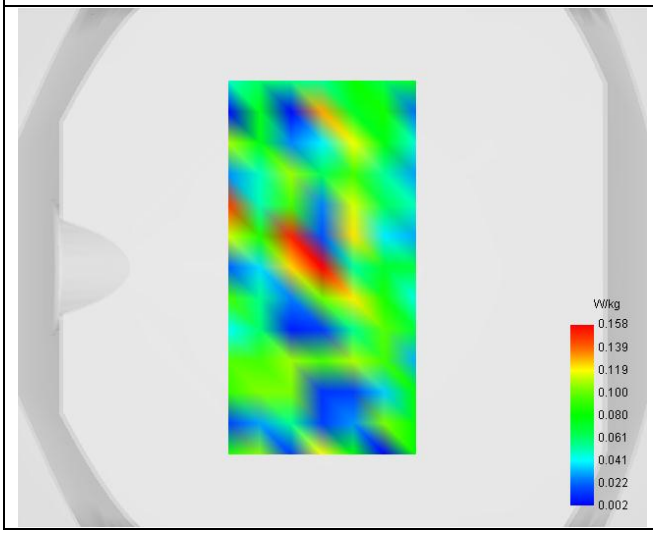
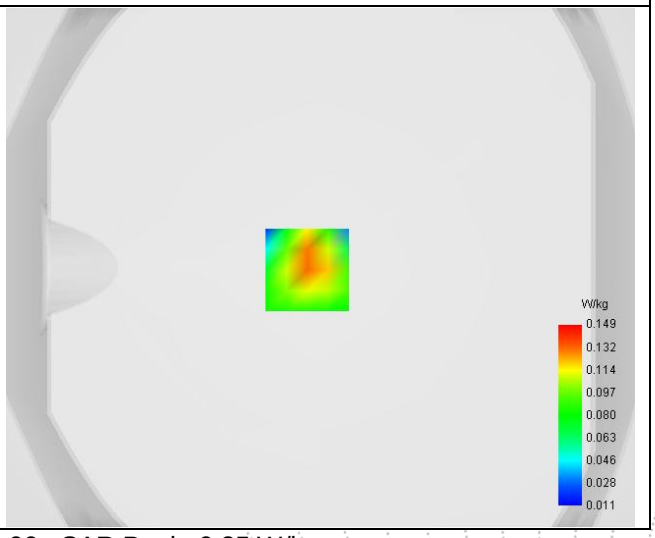
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	IEE802.ax40
Channels	Lower (0)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2422.000
Relative permitivity (real part)	38.354
Relative permitivity (imaginary part)	13.207
Conductivity (S/m)	1.827

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

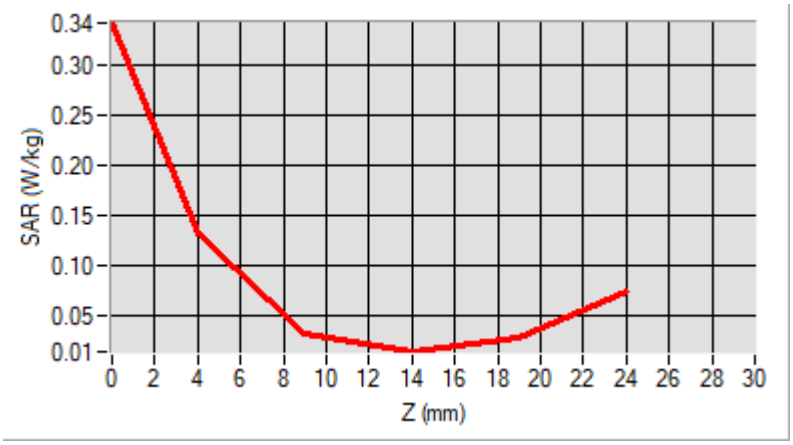
Maximum location: X=-5.00, Y=-1.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

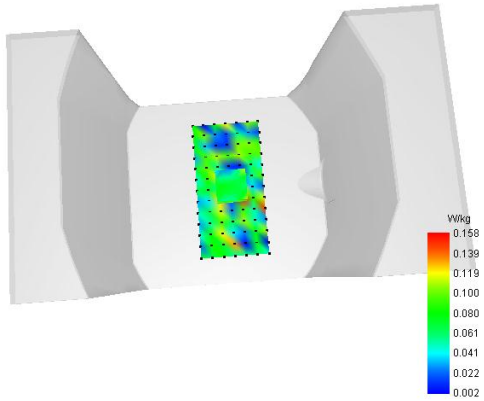
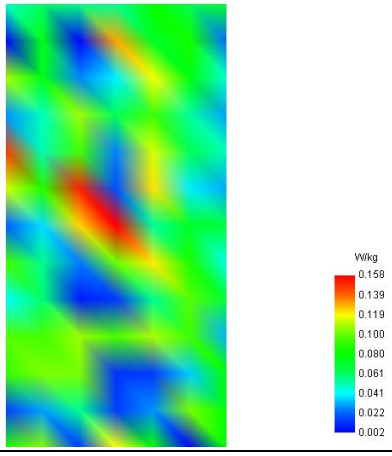
SAR 10g (W/Kg)	0.085
SAR 1g (W/Kg)	0.148
Variation (%)	3.200
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.342	0.131	0.030	0.013	0.027



F. 3D Image

3D screen shot	Hot spot position
	

Plot 3	Test date: 2023.12.05

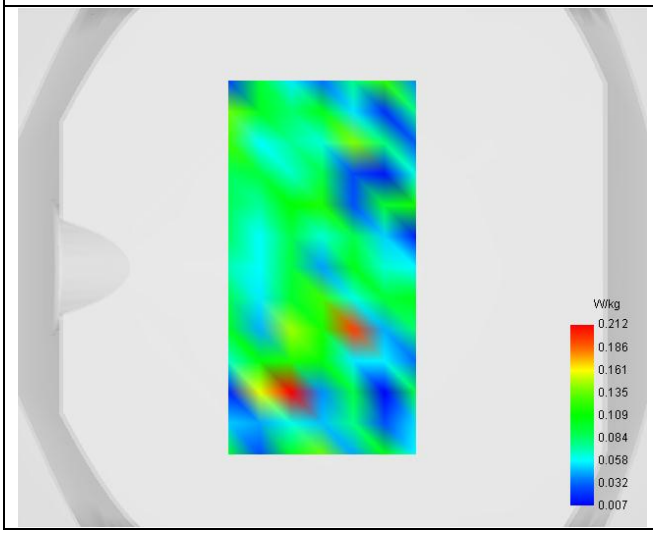
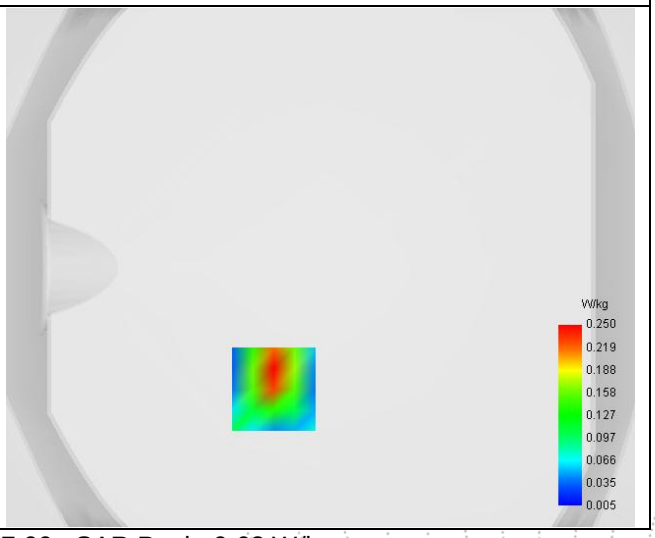
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.11
Area Scan	surf_sam_plan.txt
Zoom Scan	5x5x7,dx=8mm dy=8mm dz=5mm
Phantom	Validation plane
Device Position	Body
Band	IEE802.ax40
Channels	Middle (1)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	2437.000
Relative permitivity (real part)	38.354
Relative permitivity (imaginary part)	13.248
Conductivity (S/m)	1.827

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

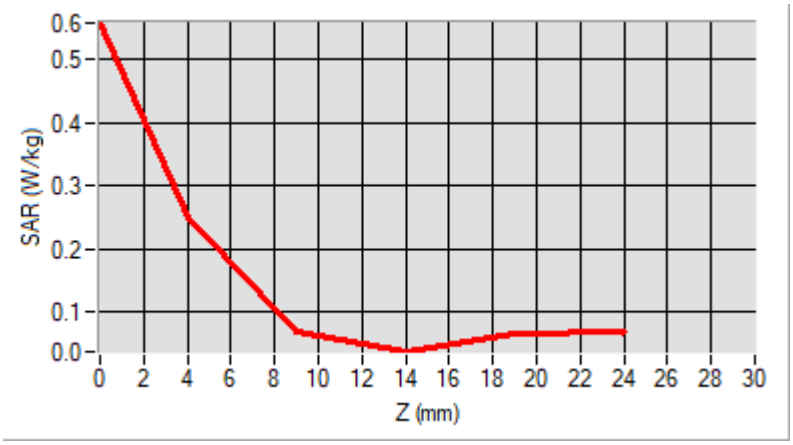
Maximum location: X=-18.00, Y=-47.00 ; SAR Peak: 0.63 W/kg

D. SAR 1g & 10g

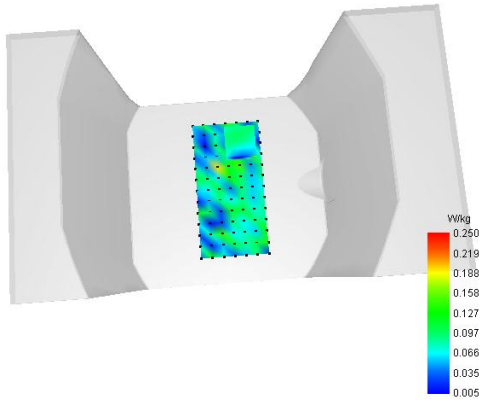
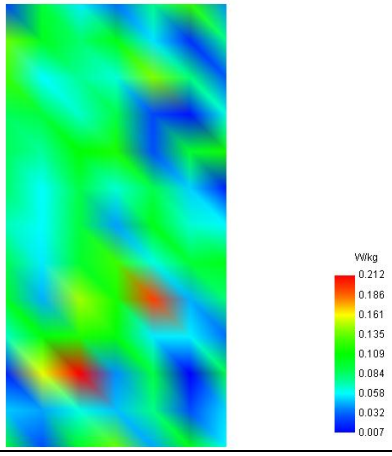
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.248
Variation (%)	0.210
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00
SAR (W/Kg)	0.558	0.250	0.069	0.036	0.064



F. 3D Image

3D screen shot	Hot spot position
	

Plot 4	Test date: 2023.12.07

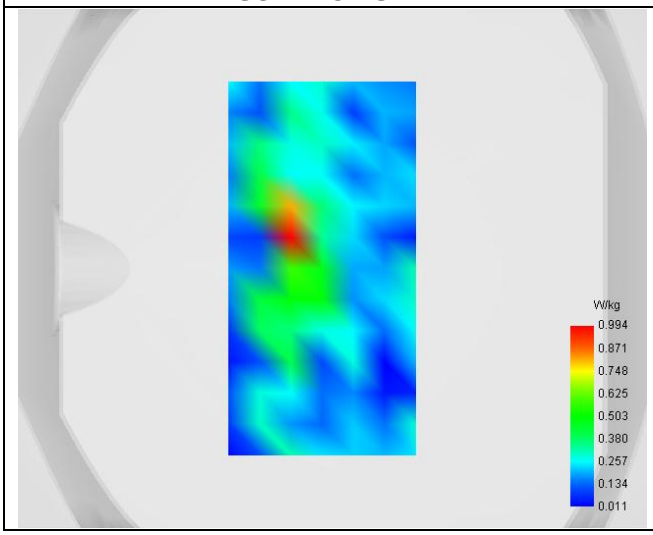
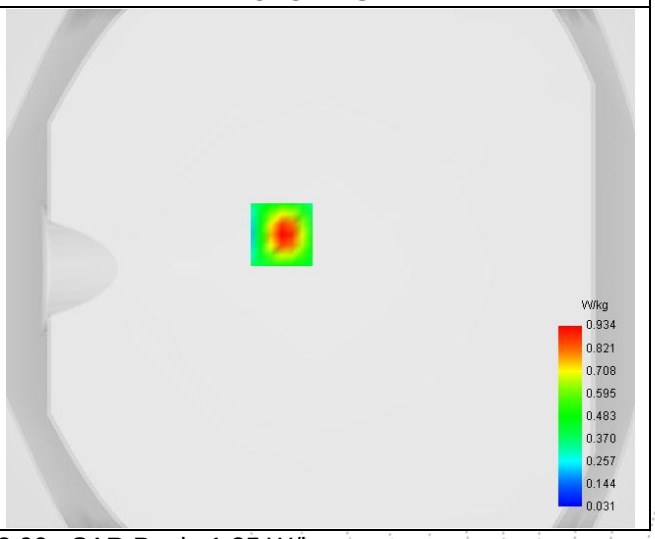
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5200
Channels	Middle (1)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5220.000
Relative permitivity (real part)	37.356
Relative permitivity (imaginary part)	16.125
Conductivity (S/m)	4.782

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

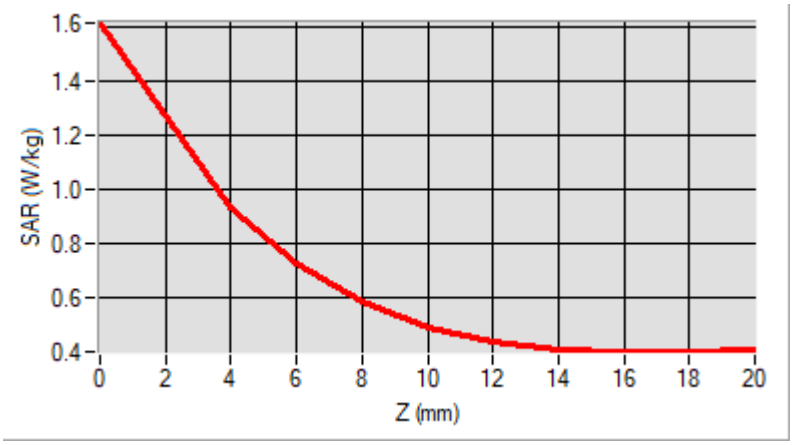
Maximum location: X=-15.00, Y=13.00 ; SAR Peak: 1.25 W/kg

D. SAR 1g & 10g

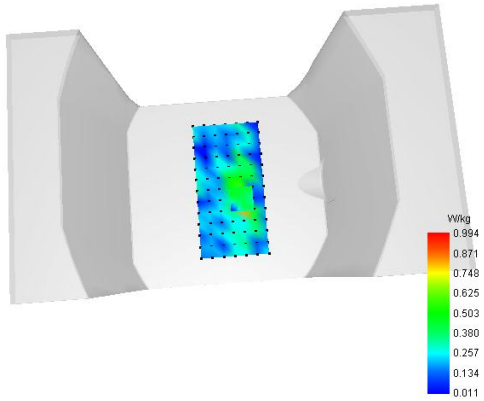
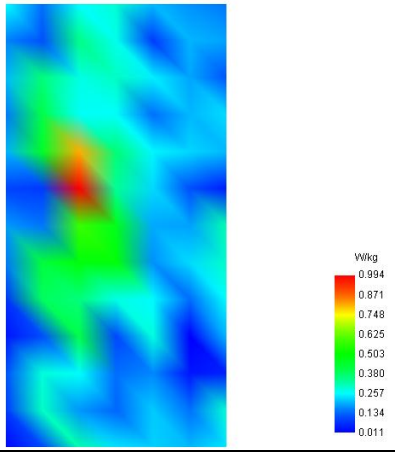
SAR 10g (W/Kg)	0.346
SAR 1g (W/Kg)	0.568
Variation (%)	-3.630
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.616	0.934	0.728	0.585	0.495	0.442	0.414	0.404	0.405



F. 3D Image

3D screen shot	Hot spot position
	

Plot 5	Test date: 2023.12.07

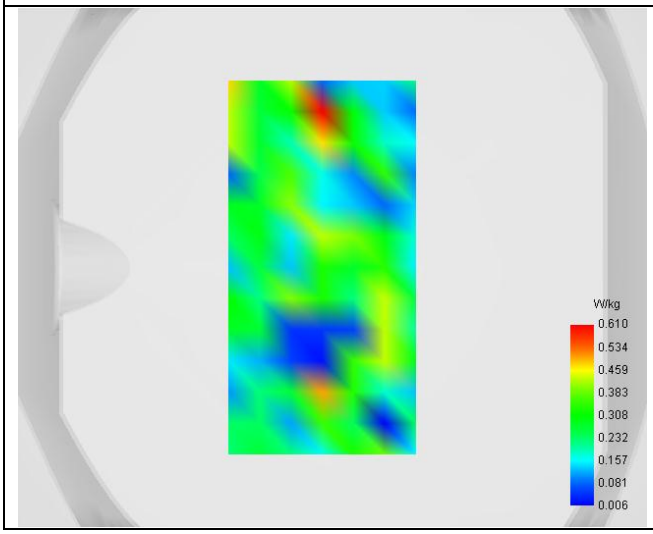
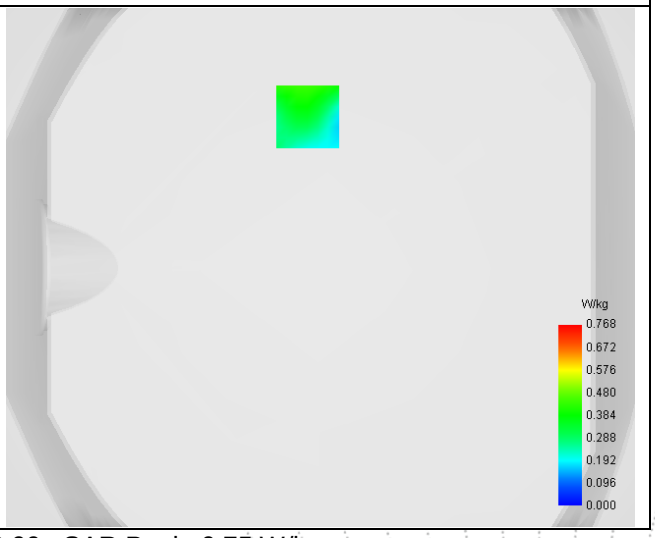
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5200
Channels	Higher (2)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5240.000
Relative permitivity (real part)	37.356
Relative permitivity (imaginary part)	16.147
Conductivity (S/m)	4.782

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

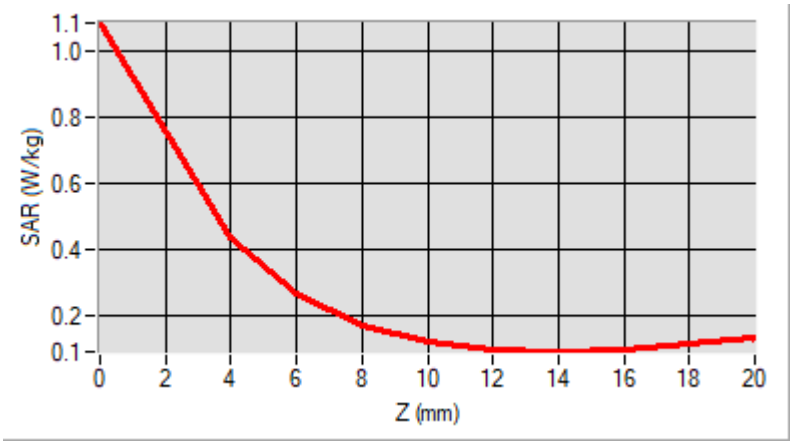
Maximum location: X=-5.00, Y=58.00 ; SAR Peak: 0.75 W/kg

D. SAR 1g & 10g

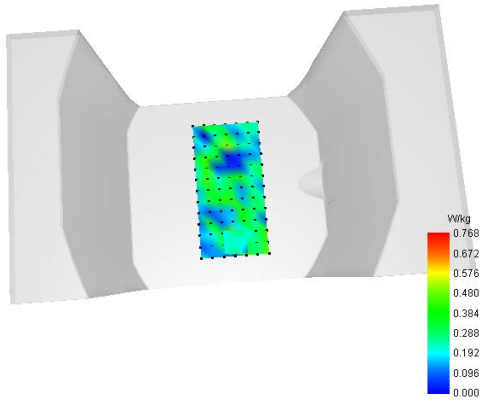
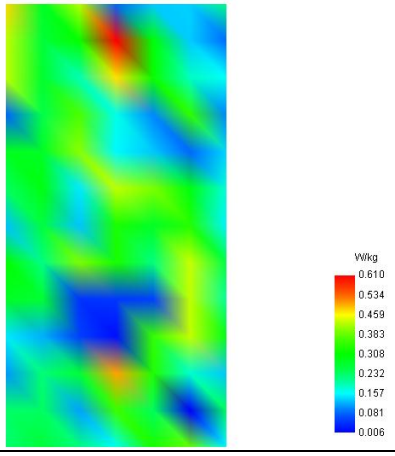
SAR 10g (W/Kg)	0.268
SAR 1g (W/Kg)	0.414
Variation (%)	-1.940
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	0.655	0.442	0.058	0.525	0.004	0.318	0.022	0.288	0.285



F. 3D Image

3D screen shot	Hot spot position
	

Plot 6	Test date: 2023.12.07

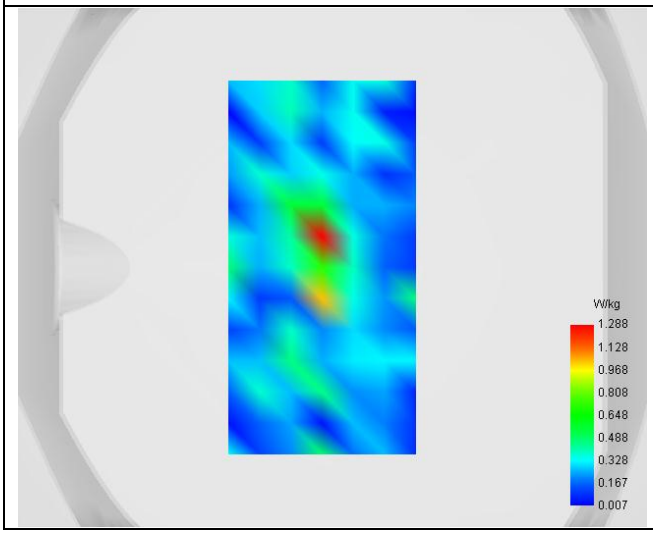
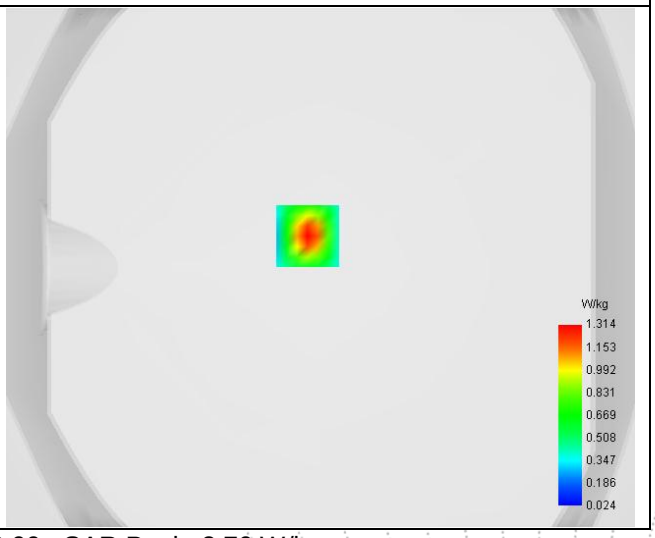
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5400
Channels	Lower (0)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5260.000
Relative permitivity (real part)	35.015
Relative permitivity (imaginary part)	16.154
Conductivity (S/m)	4.865

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

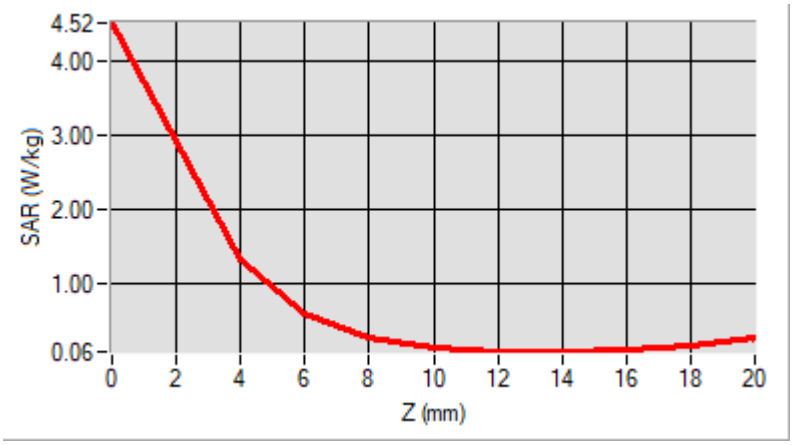
Maximum location: X=-5.00, Y=12.00 ; SAR Peak: 2.70 W/kg

D. SAR 1g & 10g

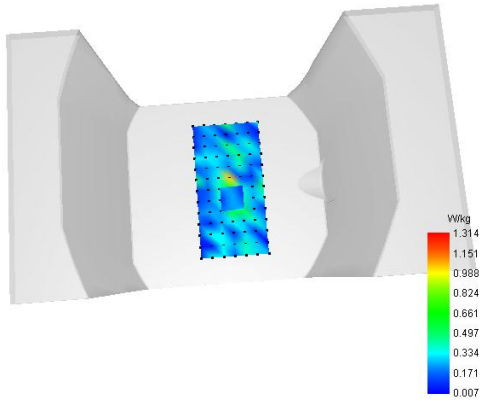
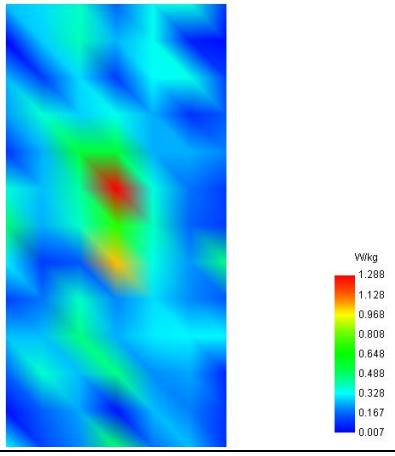
SAR 10g (W/Kg)	0.316
SAR 1g (W/Kg)	0.690
Variation (%)	-1.100
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	4.522	1.314	0.592	0.245	0.109	0.065	0.063	0.092	0.152



F. 3D Image

3D screen shot	Hot spot position
	

Plot 7	Test date: 2023.12.07

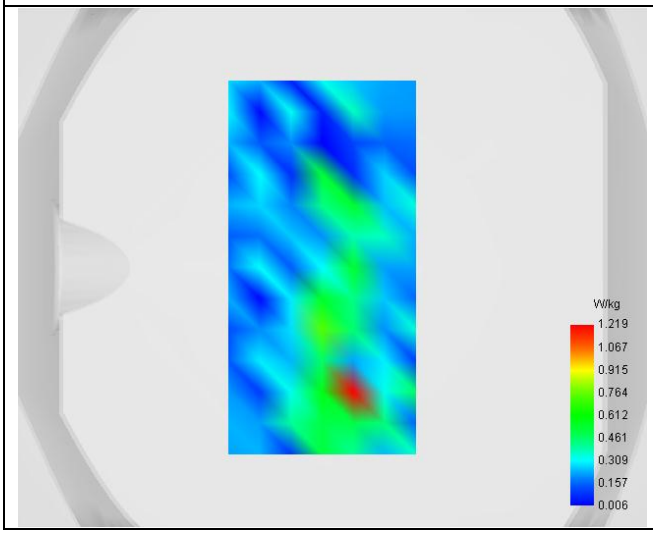
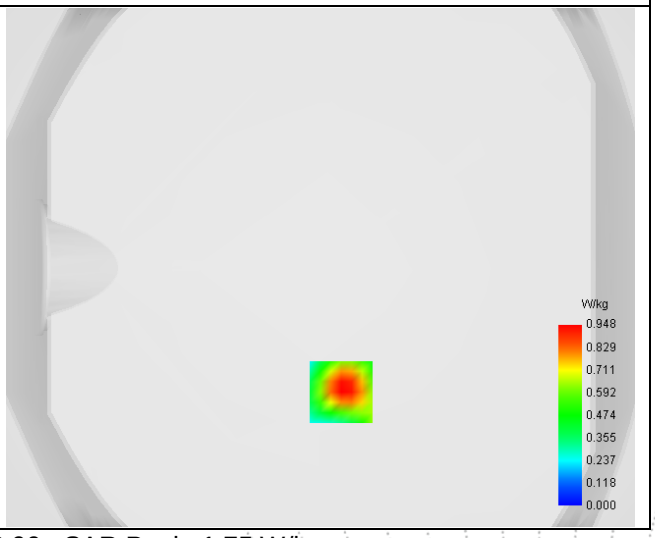
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.18
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5300
Channels	Higher (2)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5320.000
Relative permitivity (real part)	35.015
Relative permitivity (imaginary part)	16.154
Conductivity (S/m)	4.865

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

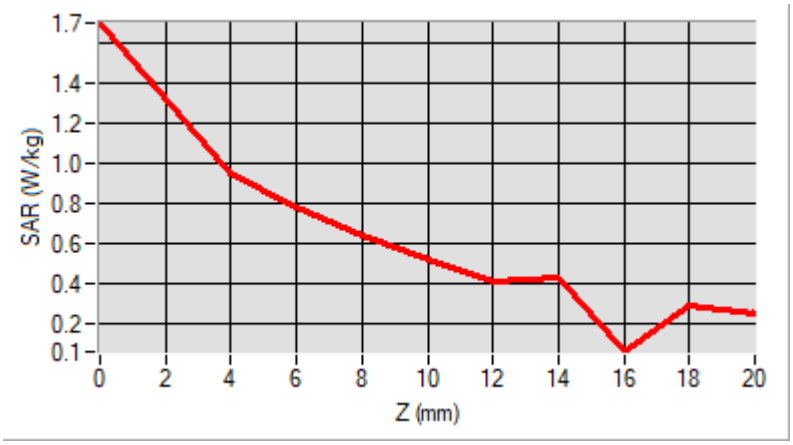
Maximum location: X=8.00, Y=-48.00 ; SAR Peak: 1.75 W/kg

D. SAR 1g & 10g

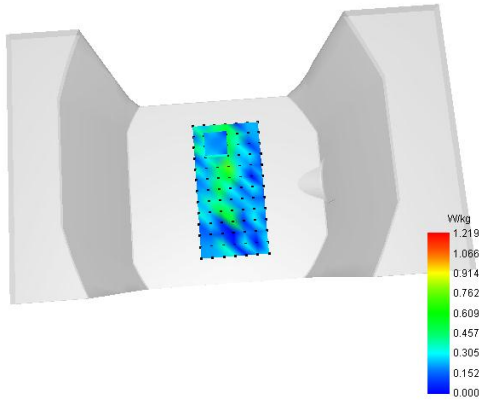
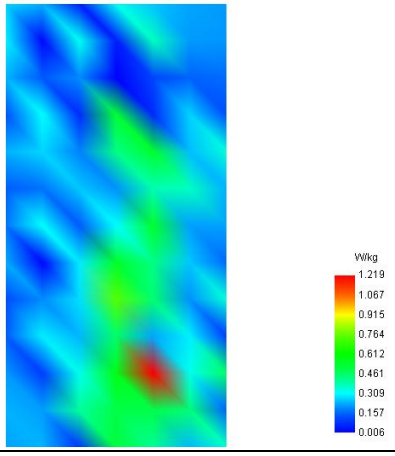
SAR 10g (W/Kg)	0.386
SAR 1g (W/Kg)	0.678
Variation (%)	4.740
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.695	0.948	0.775	0.634	0.520	0.404	0.426	0.059	0.287



F. 3D Image

3D screen shot	Hot spot position
	

Plot 8	Test date: 2023.12.11

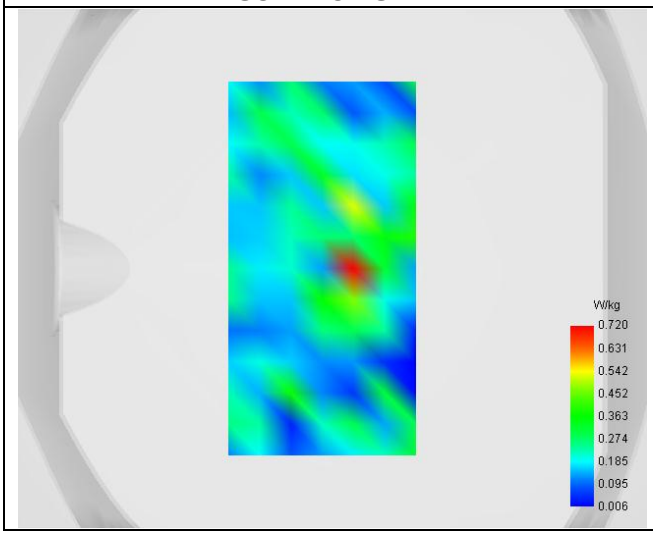
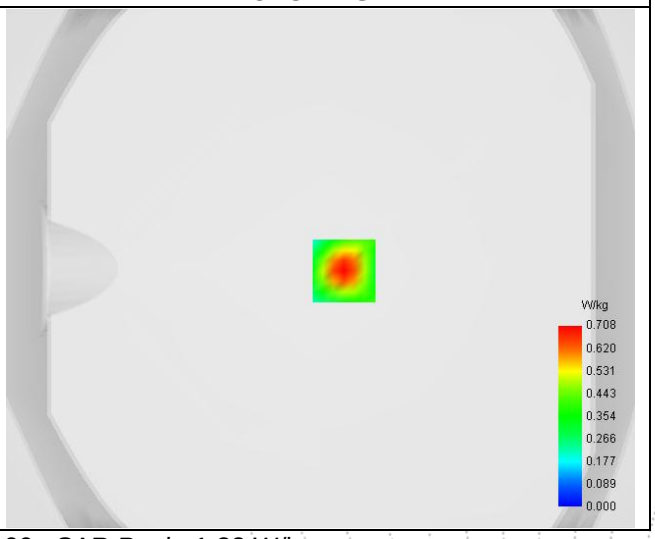
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.20
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5600
Channels	Lower (0)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5500.000
Relative permitivity (real part)	36.440
Relative permitivity (imaginary part)	16.255
Conductivity (S/m)	5.039

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

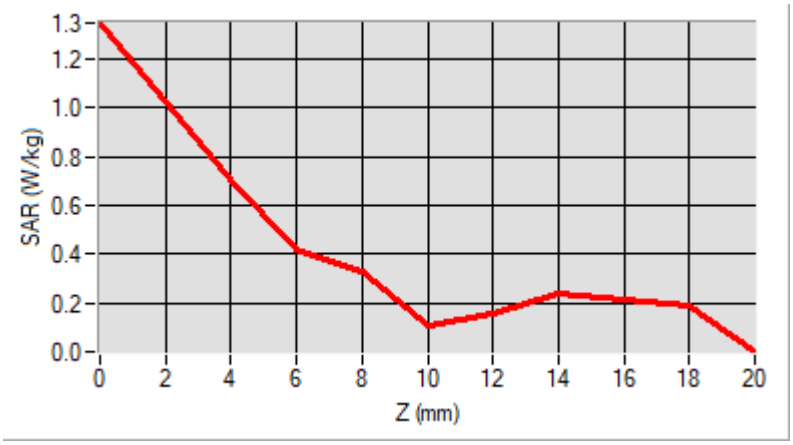
Maximum location: X=9.00, Y=-1.00 ; SAR Peak: 1.32 W/kg

D. SAR 1g & 10g

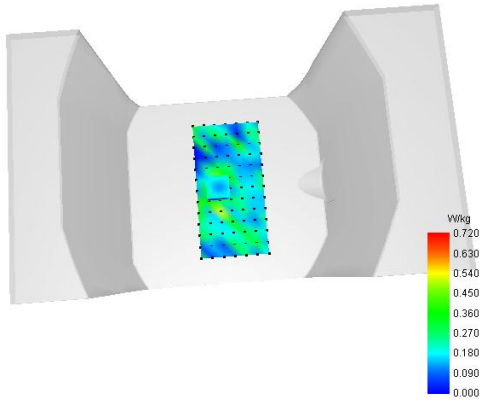
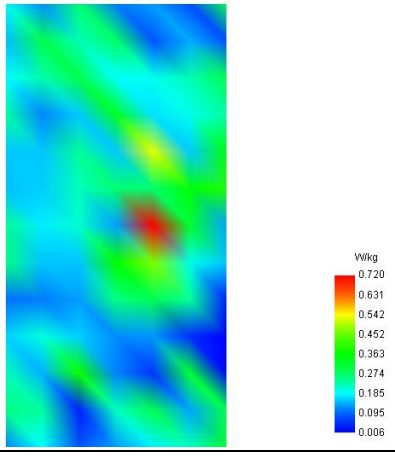
SAR 10g (W/Kg)	0.254
SAR 1g (W/Kg)	0.517
Variation (%)	-1.060
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.350	0.708	0.419	0.325	0.110	0.159	0.238	0.212	0.189



F. 3D Image

3D screen shot	Hot spot position
	

Plot 9	Test date: 2023.12.11

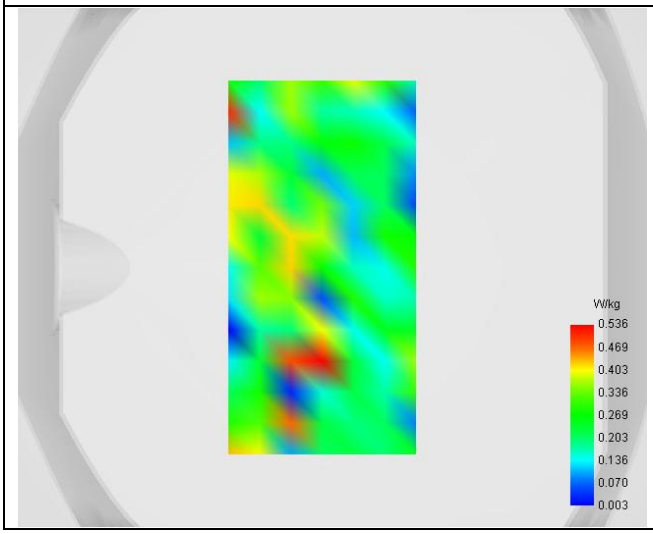
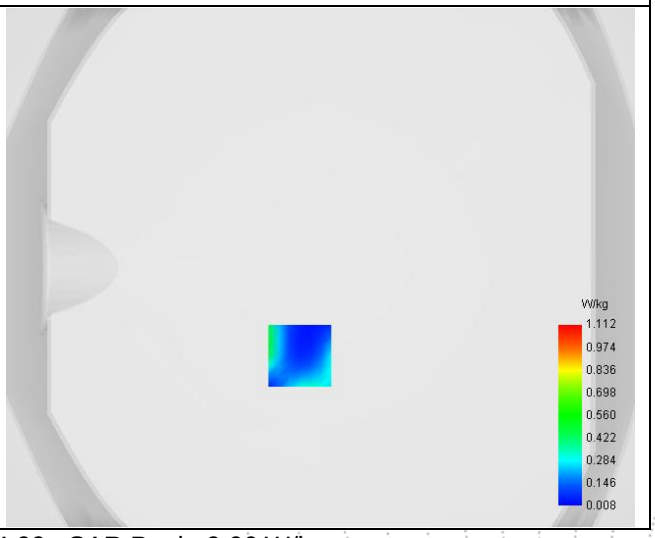
A. Experimental conditions.

Probe	SN 26/23 EPGO420
ConvF	1.20
Area Scan	surf_sam_plan.txt
Zoom Scan	7x7x12,dx=4mm dy=4mm dz=2mm
Phantom	Validation plane
Device Position	Body
Band	5600
Channels	Higher (2)
Signal	Custom (Crest factor: 1.0)

B. Permitivity

Frequency (MHz)	5700.000
Relative permitivity (real part)	36.440
Relative permitivity (imaginary part)	16.275
Conductivity (S/m)	5.039

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
	

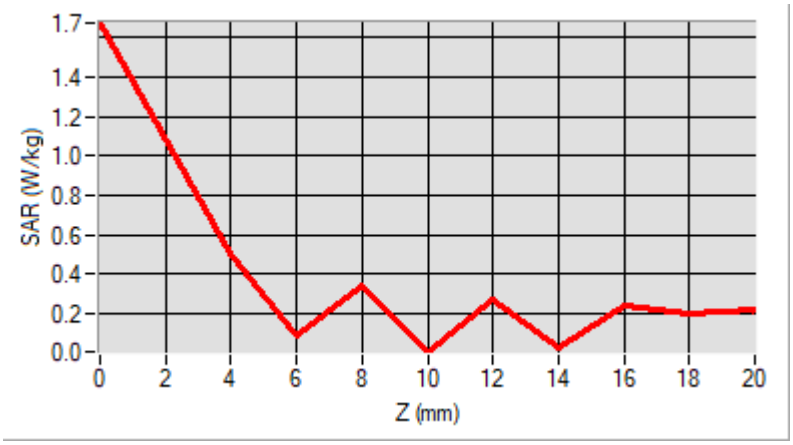
Maximum location: X=-8.00, Y=-34.00 ; SAR Peak: 0.66 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.375
SAR 1g (W/Kg)	0.535
Variation (%)	-1.270
Horizontal validation criteria: minimum distance (mm)	0.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	0.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00
SAR (W/Kg)	1.672	0.502	0.092	0.347	0.008	0.271	0.026	0.238	0.204



F. 3D Image

3D screen shot	Hot spot position