



SAR Test Report

For

Applicant Name: Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address: B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park,
No.22, Longhua New District, Shenzhen, China
EUT Name: Smart Phone
Brand Name: DOOGEE
Model Number: V50

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial
Park, Tantou Community, Songgang Street, Bao'an District,
Shenzhen, Guangdong, China

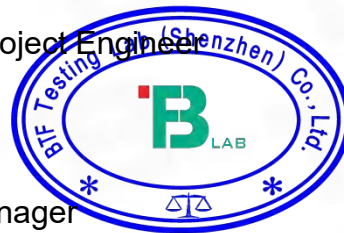
Report Number: BTF260414R00201
Test Standards: FCC 47 CFR§2.1093 IEEE Std. 1528-2013
IEEE C95.1-2019
FCC ID: 2AX4Y-V50

Test Conclusion: Pass
Test Date: 2026-04-30 to 2026-05-14
Date of Issue: 2026-05-15

Tested By: Ella. ku
Ella Ku / Tester
Date: 2026-05-15

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Amenda Zhong / Project Engineer
Date: 2026-05-15

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Ryan.CJ / EMC Manager
Date: 2026-05-15



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2026-05-15	Original
Note:		Once the revision has been made, then previous versions reports are invalid.

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1. Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Description:	All measurement facilities used to collect the measurement data are located at Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
FCC Registration Number	518915
Designation Number	CN1409

1.3 Laboratory Condition

Ambient Temperature:	21°C to 25°C
Ambient Relative Humidity:	48% to 59%
Ambient Pressure:	100 kPa to 102 kPa

1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2. Product Information

2.1 Application Information

Company Name:	Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address:	B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No.22, Longhua New District, Shenzhen, China

2.2 Manufacturer Information

Company Name:	Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address:	B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No.22, Longhua New District, Shenzhen, China

2.3 Factory Information

Company Name:	Shenzhen DOOGEE Hengtong Technology CO.,LTD
Address:	B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No.22, Longhua New District, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT Name	Smart Phone
Under Test Model Name	V50
Series Model Name	V50 Pro
Description of Model name differentiation	Only the model name is different, other are the same.
Sample No.	BTFSN260414004

2.5 Equipment under Test Ancillary Equipment

Ancillary Equipment 1	Rechargeable Battery	
	Capacity	11000mAh
	Voltage	3.85V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EGPRS 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/25/26/66/71 TDD LTE Band 38/41 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20) 5GWIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80/160), 802.11ax(HEW20/40/80/160) BT (EDR+BLE) NFC
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM, WCDMA, LTE, WLAN, Bluetooth, NFC		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	LTE Band 4	TX: 1710 ~ 1755 MHz	RX: 2110 ~ 2155 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 698 ~ 716 MHz	RX: 728 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	LTE Band 26 part 90	TX: 814.7 ~ 823.3 MHz	RX: 859.7 ~ 868.3 MHz
	LTE Band 26 part 22	TX: 824.7 ~ 848.3 MHz	RX: 869.7 ~ 893.3 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	LTE Band 38	2570 ~ 2620 MHz	
	LTE Band 41	2535 ~ 2655 MHz	
	802.11b/g/n(HT20)	2412 ~ 2462 MHz	
	802.11n(HT40)	2422 ~ 2452 MHz	
	802.11a	5150 ~ 5250 MHz	
	802.11n(HT20/40)	5250 ~ 5350 MHz	
	802.11ac(VHT20/40/80/160)	5470 ~ 5725 MHz	
	802.11ax(HEW20/40/80/160)	5725 ~ 5850 MHz	
	Bluetooth	2402 ~ 2480 MHz	
	NFC	13.56 MHz	
Antenna Type	WWAN: Internal antenna WLAN: Internal antenna BT: Internal antenna NFC: Internal antenna		
Hotspot Function	Support		
Power Reduction	Not Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		

3. Summary of Test Results

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
3	IEEE C95.1-2019	IEEE Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz
4	KDB447498 D04	Interim General RF Exposure Guidance v01
5	KDB865664 D01	SAR measurement 100MHz to 6GHz v01r04
6	KDB865664 D02	RF Exposure Reporting v01r02
7	KDB941225 D01	3G SAR Procedures v03r01
8	KDB941225 D05	SAR for LTE Devices v02r05
9	KDB248227 D01	802.11 Wi-Fi SAR v02r02
10	KDB941225 D06	Hotspot Mode v02r01
11	KDB648474 D04	Handset SAR v01r03
12	KDB690783 D01	SAR Listings on Grant v01r03

3.2 Device Category and SAR Limit

This device belongs to portable device category because its radiating structure is allowed to be used within 20 centimeters of the body of the user. Limit for General Population/Uncontrolled exposure should be applied for this device, it is 1.6 W/kg as averaged over any 1 gram of tissue.

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ Controlled Exposure
Whole-Body SAR (averaged over the entire body)	0.08	0.4
Partial-Body SAR (averaged over any 1 gram of tissue)	1.60	8.0
SAR for hands, wrists, feet and ankles (averaged over any 10 grams of tissue)	4.0	20.0

NOTE:

General Population/Uncontrolled Exposure: Locations where there is the exposure of individuals who have no knowledge or control of their exposure. General population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment- related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

Occupational/Controlled Exposure: Locations where there is exposure that may be incurred by persons who are aware of the potential for exposure. In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

3.3 Test Result Summary

The maximum results of Specific Absorption Rate (SAR) found during test as follows:

<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Head 1-g SAR (0 mm Gap)	GSM 850	0.026	PCE	1.112
	GSM 1900	0.391		
	WCDMA Band II	1.112		
	WCDMA Band IV	0.605		
	WCDMA Band V	0.055		
	LTE Band 2	0.777		
	LTE Band 4	0.307		
	LTE Band 5	0.032		
	LTE Band 7	0.051		
	LTE Band 12	0.091		
	LTE Band 13	0.064		
	LTE Band 17	0.076		
	LTE Band 25	0.458		
	LTE Band 26 part 90	0.030		
	LTE Band 26 part 22	0.033		
	LTE Band 38	0.378		
	LTE Band 41	0.445		
	LTE Band 66	0.430		
	LTE Band 71	0.060		
	WLAN 2.4GHz	0.332	DTS	
	RLAN 5.2GHz	0.278	NII	
	RLAN 5.3GHz	0.288		
	RLAN 5.6GHz	0.184		
RLAN 5.8GHz	0.369	DSS		
Bluetooth	0.024			
Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Hotspot(Body) 1-g SAR (10 mm Gap)	GSM 850	0.122	PCE	0.687
	GSM 1900	0.262		
	WCDMA Band II	0.687		
	WCDMA Band IV	0.562		
	WCDMA Band V	0.060		
	LTE Band 2	0.576		
	LTE Band 4	0.432		
	LTE Band 5	0.052		
	LTE Band 7	0.308		
	LTE Band 12	0.036		
	LTE Band 13	0.062		
	LTE Band 17	0.085		
	LTE Band 25	0.620		
	LTE Band 26 part 90	0.042		
	LTE Band 26 part 22	0.044		
	LTE Band 38	0.187		
	LTE Band 41	0.151		
	LTE Band 66	0.351		
	LTE Band 71	0.039		
	WLAN 2.4GHz	0.108	DTS	
	RLAN 5.2GHz	0.159	NII	
	RLAN 5.3GHz	0.162		
	RLAN 5.6GHz	0.101		
	RLAN 5.8GHz	0.133	DSS	
	Bluetooth	0.007		

This device is in compliance with Specific Absorption Rate(SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC47 CFR part 2(2.1093) and ANSI/IEEE C95.1-2019, and had been tested in accordance with the measurement methods and procedures specified in IEEE Std. 1528-2013.

<Highest Reported Simultaneous SAR>

Exposure Position	Simultaneous Configuration	Highest Reported Simultaneous Transmission SAR (W/kg)	Limit (W/kg)	Verdict
Head 1-g SAR (0 mm Gap)	WCDMA Band II + 5.8G WIFI	1.481	1.6	Pass
Hotspot(Body) 1-g SAR (10 mm Gap)	WCDMA Band II + 5.3G WIFI	0.812	1.6	Pass

3.4 Test Uncertainty

3.4.1 Measurement uncertainty evaluation for SAR test (450MHz to 6GHz)

Uncertainty Component	Tol (+-%)	Prob. Dist.	Div.	Unc. $u(x_i)=a(x_i)/q_i$	Ci (1g)	Ci (10g)	1g Ui (+-%)	10 g Ui (+-%)	Vi veff
Measurement System									
Probe calibration	16	N (k = 2)	2	8.00	1	1	8.00	8.00	∞
Probe calibration drift	4	R	$\sqrt{3}$	2.31	1	1	2.31	2.31	∞
Probe linearity	4.7	R	$\sqrt{3}$	2.71	1	1	2.71	2.71	∞
detection limit	1	R	$\sqrt{3}$	0.58	1	1	0.58	0.58	∞
Probe isotropy	3.5	R	$\sqrt{3}$	2.02	0.71	0.71	1.43	1.43	∞
Hemispherical Isotropy	5.9	N	1	5.90	0.71	0.71	4.19	4.19	∞
Boundary effect	1	R	1.73	0.58	1	1	0.58	0.58	∞
Integration time	1.4	R	1.73	0.81	1	1	0.81	0.81	∞
Response time	0	R	1.73	0.00	1	1	0.00	0.00	∞
Readout electronics	0.5	N	1	0.50	1	1	0.50	0.50	∞
RF ambient and noise	3	R	$\sqrt{3}$	1.73	1	1	1.73	1.73	∞
Probe positioning errors	3.28	N	1	3.28	0.33	0.33	1.08	1.08	∞
Data processing errors	2.3	R	1	1.33	1	1	1.33	1.33	∞
Conductivity measurement	4.07	N	1	2.35	0.79	0.77	1.86	1.81	∞
Permittivity measurement	5.06	N	1	2.92	0.23	0.26	0.67	0.76	∞
Liquid Conductivity - Temperature Uncertainty	2.5	R	1	1.44	0.79	0.77	1.14	1.11	∞
Liquid Permittivity - Temperature Uncertainty	2.5	R	$\sqrt{3}$	1.44	0.23	0.26	0.33	0.38	∞
Shell permittivity	2.9	R	$\sqrt{3}$	1.67	0.25	0.25	0.42	0.42	∞
Repeatability of positioning the DUT or source against the phantom	2.7	N	1	2.70	2	2	5.40	5.40	∞
Uncertainty in accepted power	3	R	1	3.00	1	1	3.00	3.00	∞
Effect of operating mode on probe sensitivity	2.3	R	$\sqrt{3}$	1.33	1	1	1.33	1.33	∞
Variation in SAR due to drift in output of DUT	2.2	N	1	2.20	1	1	2.20	2.20	∞
Phantom deviation from target (ϵ' , σ)	1.9	N	1	1.90	1	1	1.90	1.90	∞
SAR scaling	0	R	$\sqrt{3}$	0.00	1	1	0.00	0.00	∞
Combined uncertainty	/						12.56	12.55	
Expanded Uncertainty (95% Confidence interval)	/						25.11	25.11	

* This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.4.2 Measurement uncertainty evaluation for system check

Uncertainty Component	Tol (+-%)	Prob. Dist.	Div.	Unc. $u(x_i)=a(x_i)/q_i$	Ci (1g)	Ci (10 g)	1g Ui (+-%)	10 g Ui (+-%)	Vi v _{eff}
Measurement System									
Probe calibration	16	N (k = 2)	2	8.00	1	1	8.00	8.00	∞
Probe calibration drift	4	R	1.73	2.31	1	1	2.31	2.31	∞
Probe linearity	4.7	R	1.73	2.72	1	1	2.72	2.72	∞
Detection limit	1	R	1.73	0.58	1	1	0.58	0.58	∞
Axial Isotropy	3.5	R	1.73	2.02	1	1	2.02	2.02	∞
Hemispherical Isotropy	5.9	R	1.73	3.41	0.71	0.71	2.42	2.42	∞
Boundary effect	1	R	1.73	0.58	0.71	0.71	0.41	0.41	∞
Integration time	1.4	R	1.73	0.81	1	1	0.81	0.81	∞
Response time	0	R	1.73	0.00	1	1	0.00	0.00	∞
Readout electronics	0.5	N	1	0.50	1	1	0.50	0.50	∞
Noise	3	R	1.73	1.73	1	1	1.73	1.73	∞
Reflections	3	R	1.73	1.73	1	1	1.73	1.73	∞
Positioner Mechanical Tolerance	3.28	R	1.73	1.90	0.33	0.33	0.63	0.63	∞
Positioning with respect to Phantom Shell	3.28	R	1.73	1.90	0.33	0.33	0.63	0.63	∞
Data processing errors	2.3	R	1.73	1.33	1	1	1.33	1.33	∞
Conductivity measurement	4.07	N	1	4.07	0.79	0.77	3.22	3.13	∞
Permittivity measurement	5.06	N	1	5.06	0.23	0.26	1.16	1.32	∞
Liquid Conductivity - Temperature Uncertainty	2.5	R	1.73	1.45	0.79	0.77	1.14	1.11	∞
Liquid Permittivity - Temperature Uncertainty	2.5	R	1.73	1.45	0.23	0.26	0.33	0.38	∞
Shell permittivity	2.9	R	1.73	1.68	0.25	0.25	0.42	0.42	∞
Distance between the radiating element of the DUT and the phantom medium	2.7	N	1	2.70	2	2	5.40	5.40	∞
Deviation of experimental antennas	4.5	N	1.73	2.60	1	1	2.60	2.60	∞
Other uncertainty contributions	2	R	1	2.00	1	1	2.00	2.00	∞
Uncertainty in accepted power	3	R	1.73	1.73	1	1	1.73	1.73	∞
Phantom deviation from target (ϵ', σ)	1.9	N	1	1.90	1	0.87	1.90	1.65	∞
$u(\Delta SAR)$	\						12.51	12.47	
Expanded uncertainty (95% confidence interval)	\						25.02	24.93	

4. Measurement System

4.1 Specific Absorption Rate (SAR) Definition

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (ρ). The equation description is as below:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dv} \right)$$

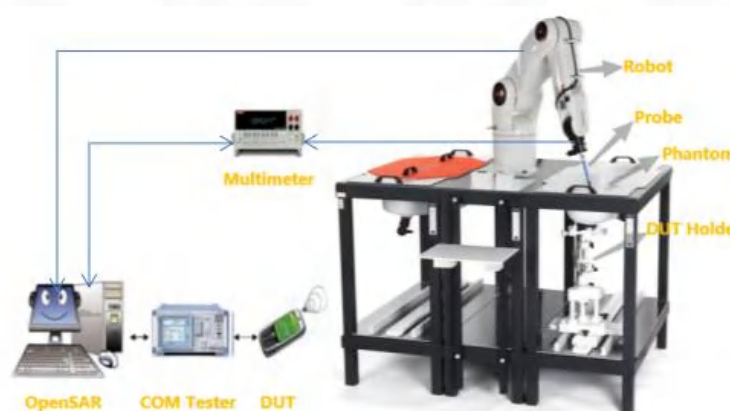
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

$$SAR = \frac{\sigma E^2}{\rho}$$

Where: σ is the conductivity of the tissue,
ρ is the mass density of the tissue and E is the RMS electrical field strength.

4.2 MVG SAR System

4.2.1 SAR system diagram



4.2.2 Robot



A standard high precision 6-axis robot (Denso) with teaches pendant with Scanning System

- It must be able to scan all the volume of the phantom to evaluate the tridimensional distribution of SAR.
- Must be able to set the probe orthogonal of the surface of the phantom ($\pm 30^\circ$).
- Detects stresses on the probe and stop itself if necessary to keep the integrity of the probe.

4.2.3 E-Field Probe

For the measurements the Specific Dosimetric E-Field Probe 0125-EPGO-445 with following specifications is used:

- Probe Length: 330 mm
- Length of Individual Dipoles: 2mm
- Maximum external diameter: 8 mm
- Probe Tip External Diameter: 2.5 mm
- Distance between dipole/probe extremity: 1 mm
- Dynamic range: 0.01-100 W/kg
- Probe linearity: 3%
- Calibration range: 150 to 6000 MHz for head & body simulating liquid
- Axial Isotropy: <0.10 dB
- Spherical Isotropy: <0.10 dB
- Angle between probe axis (evaluation axis) and surface normal line: less than 30° .



4.2.4 Phantoms

SAM Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The probe scanning of the E-Field is done in the 2 halves of the normalized head. The normalized shape of the phantom corresponds to the dimensions of 90% of an adult head size. It enables the dosimetric evaluation of left and right-hand phone usage and includes an additional flat phantom part for the simplified body performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



SAM Phantom

The thickness of the phantom amounts to $2\text{ mm} \pm 0.2\text{ mm}$. The materials for the phantom do not affect the radiation of the device under test (DUT) : $\epsilon_r' < 5$
The head is filled with tissue simulating liquid. The hand do not have to be modeled.

TWIN SAM phantom

	Mechanical	Electrical	
Overall thickness	$2 \pm 0.2\text{ mm}$ (except ear area)	Relative permittivity	3.4
Dimensions	1000 mm(L) x 500 mm(W) x 200 mm(H)	Loss tangent	0.02
Maximum volume	27 L		
Material	Fiberglass based		

ELLIPTICAL Phantom

The phantom is for Body performance check filled with tissue-equivalent liquid to a depth of at least 150 mm, whose shell material is resistant to damage or reaction with tissue-equivalent liquid chemicals.



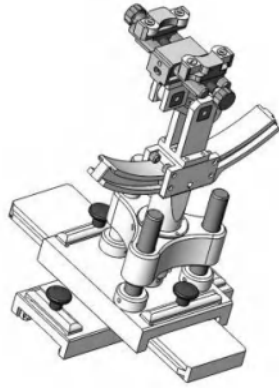
ELLI Phantom

The shape of the phantom is an ellipse with length $600\text{ mm} \pm 5\text{ mm}$ and width $400\text{ mm} \pm 5\text{ mm}$.
The phantom shell is made of low-loss and low-permittivity material, having loss tangent $\tan \delta \leq 0.05$ and relative permittivity:
 $\epsilon_r' \leq 5$ for $f \leq 3\text{ GHz}$
 $3 \leq \epsilon_r' \leq 5$ for $f > 3\text{ GHz}$
The thickness of the bottom-wall of the flat phantom is 2.0 mm with a tolerance of $\pm 0.2\text{ mm}$.

Technical & mechanical characteristics

Shell thickness	$2\text{ mm} \pm 0.2\text{ mm}$
Filling volume	25 L
Dimensions	600 mm x 400 mm x 200 mm
Permittivity	4.4
Loss tangent	0.017

4.2.5 Device Holder



System Material	Permittivity	Loss tangent
Delrin	3.7	0.005

(The positioning system allows obtaining cheek and tilting position with a very good accuracy. In compliance with CENELEC, the tilt angle uncertainty is lower than 1°.)

System Material	Permittivity	Loss tangent
PMMA	2.9	0.028

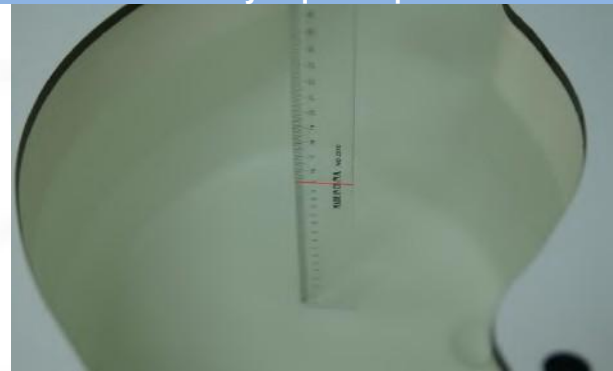
4.2.6 Simulating Liquid

For SAR measurement of the field distribution inside the phantom, the phantom must be filled with homogeneous tissue simulating liquid to a depth of at least 15 cm. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15 cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15 cm. The nominal dielectric values of the tissue simulating liquids in the phantom and the tolerance of 5%.

Head Liquid Depth



Body Liquid Depth



The following table gives the recipes for tissue simulating liquid and the theoretical Conductivity/Permittivity.

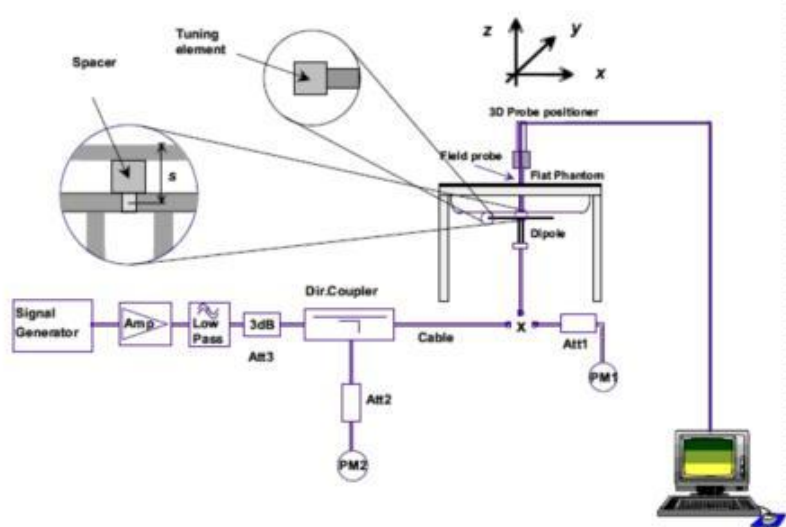
Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	1.80	39.2
2600	54.9	0	0	0.1	0	45.0	1.96	39.0
Frequency (MHz)	Water (%)	Hexyl Carbitol (%)			Triton X-100 (%)		Conductivity σ (S/m)	Permittivity ε
5200	62.52	17.24			17.24		4.66	36.0
5800	62.52	17.24			17.24		5.27	35.3
Body (From instrument manufacturer)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	51.7	47.2	0	0.9	0.1	0	0.96	55.5
835	50.8	48.2	0	0.9	0.1	0	0.97	55.2
900	50.8	48.2	0	0.9	0.1	0	1.05	55.0
1800, 1900, 2000	70.2	0	0	0.4	0	29.4	1.52	53.3
2450	68.6	0	0	0.1	0	31.3	1.95	52.7
2600	68.2	0	0	0.1	0	31.7	2.16	52.5
Frequency(MHz)	Water	DGBE (%)			Salt (%)		Conductivity σ (S/m)	Permittivity ε
5200	78.60	21.40			/		5.30	49.00
5800	78.50	21.40			0.1		6.00	48.20

5. System Verification

5.1 Purpose of System Check

The system performance check verifies that the system operates within its specifications. System and operator errors can be detected and corrected. It is recommended that the system performance check be performed prior to any usage of the system in order to guarantee reproducible results. The system performance check uses normal SAR measurements in a simplified setup with a well characterized source. The setup was selected to give a high sensitivity to all parameters that might fail or vary over time. The system check does not intend to replace the calibration of the components, but indicates situations where the system uncertainty is exceeded due to drift or failure.

5.2 System Check Setup



6. TEST POSITION CONFIGURATIONS

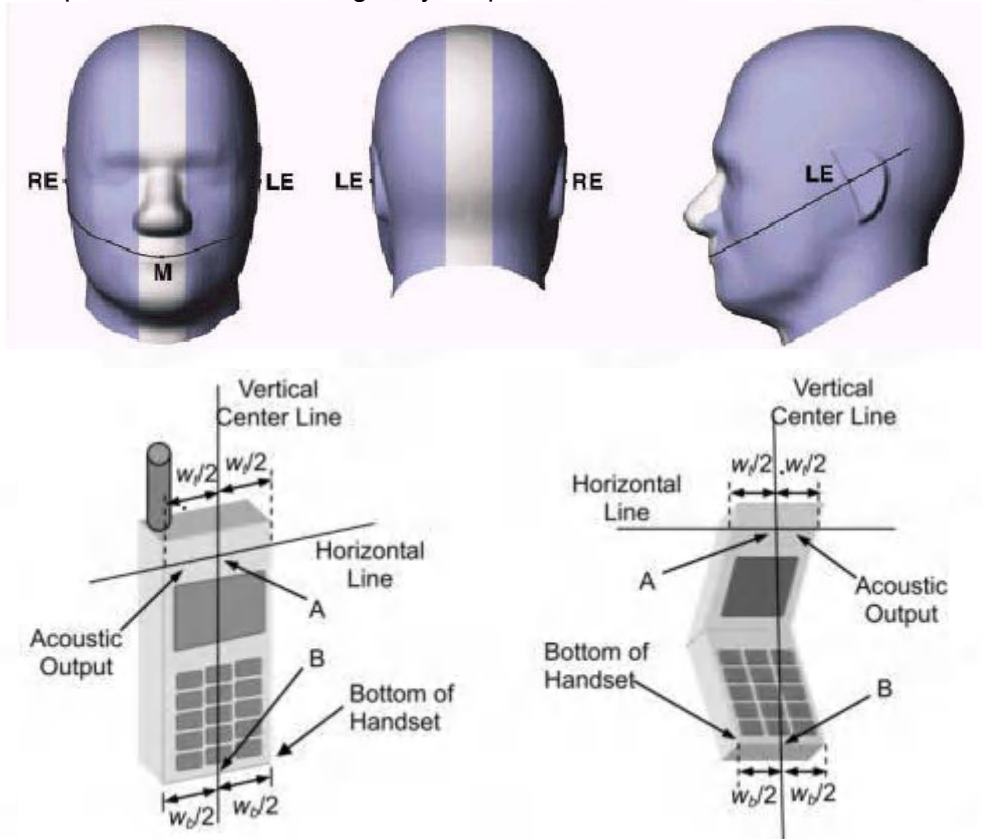
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

Head exposure is limited to next to the ear voice mode operations. Head SAR compliance is tested according to the test positions defined in IEEE Std 1528-2013 using the SAM phantom illustrated as below.

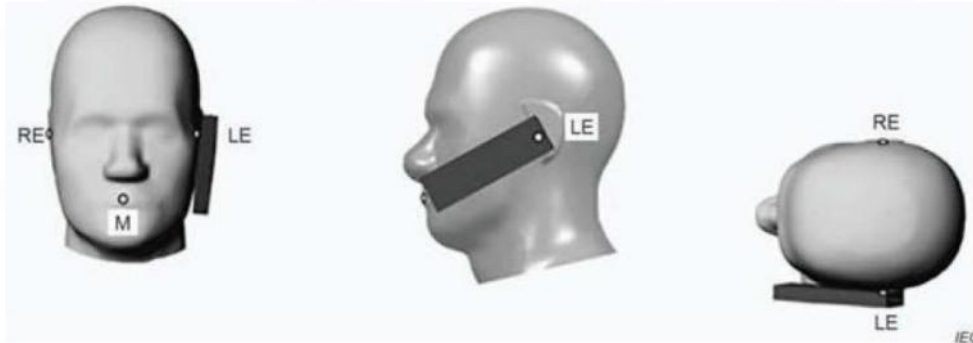
6.1.1 Two Imaginary Lines on the Handset

- The vertical center line passes through two points on the front side of the handset - the midpoint of the width w_t of the handset at the level of the acoustic output, and the midpoint of the width w_b of the bottom of the handset.
- The horizontal line is perpendicular to the vertical center line and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- The two lines intersect at point A. Note that for many handsets, point A coincides with the center of the acoustic output; however, the acoustic output may be located elsewhere on the horizontal line. Also note that the vertical center line is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



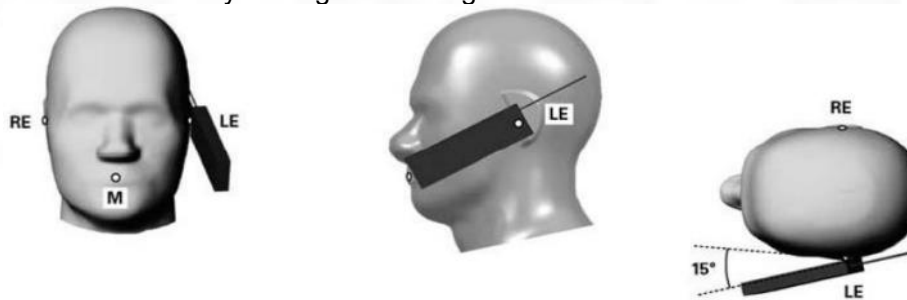
6.1.2 Two Imaginary Lines on the Handset

- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the three ear and mouth reference point (M: Mouth, RE: Right Ear, and LE: Left Ear) and align the center of the ear piece with the line RE-LE.
- To move the device towards the phantom with the ear piece aligned with the line LE-RE until the phone touched the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the phone until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.



6.1.3 Titled Position

- To position the device in the “cheek” position described above.
- While maintaining the device the reference plane described above and pivoting against the ear, moves it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.

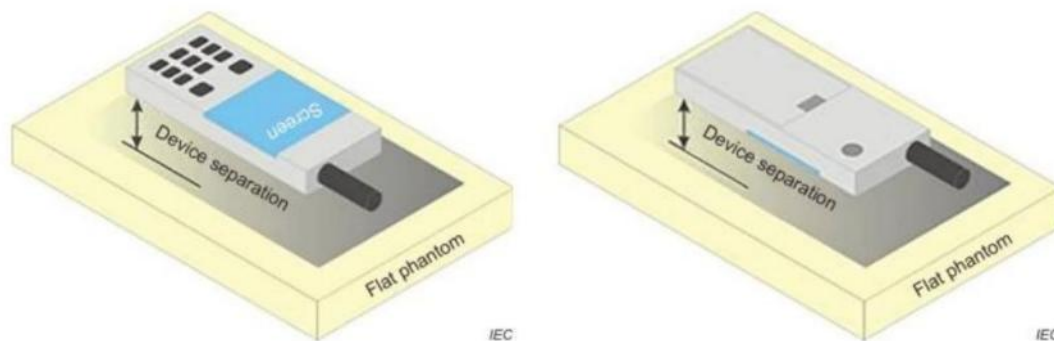


6.2 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory.

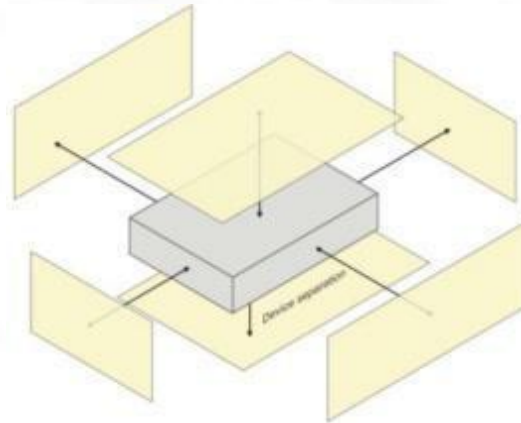
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

Body-worn accessory SAR compliance is based on a single minimum test separation distance for all wireless and operating modes applicable to each body-worn accessory used by the host, and according to the relevant voice and/or data mode transmissions and operations. If a body-worn accessory supports voice only operations in its normal and expected use conditions, testing of data mode for body-worn compliance is not required. A conservative minimum test separation distance for supporting off-the-shelf body-worn accessories that may be acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, will be tested using a conservative minimum test separation distance ≤ 5 mm to support compliance.



6.3 Hotspot Mode Exposure Position Conditions

For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom and all surfaces and edges with a transmitting antenna located within 25 mm from that surface or edge. When the form factor of a handset is smaller than 9 cm x 5 cm, a test separation distance of 5 mm (instead of 10 mm) is required for testing hotspot mode. When the separation distance required for body-worn accessory testing is larger than or equal to that tested for hotspot mode, in the same wireless mode and for the same surface of the phone, the hotspot mode SAR data may be used to support body-worn accessory SAR compliance for that particular configuration (surface).



6.4 Product Specific 10g Exposure Consideration

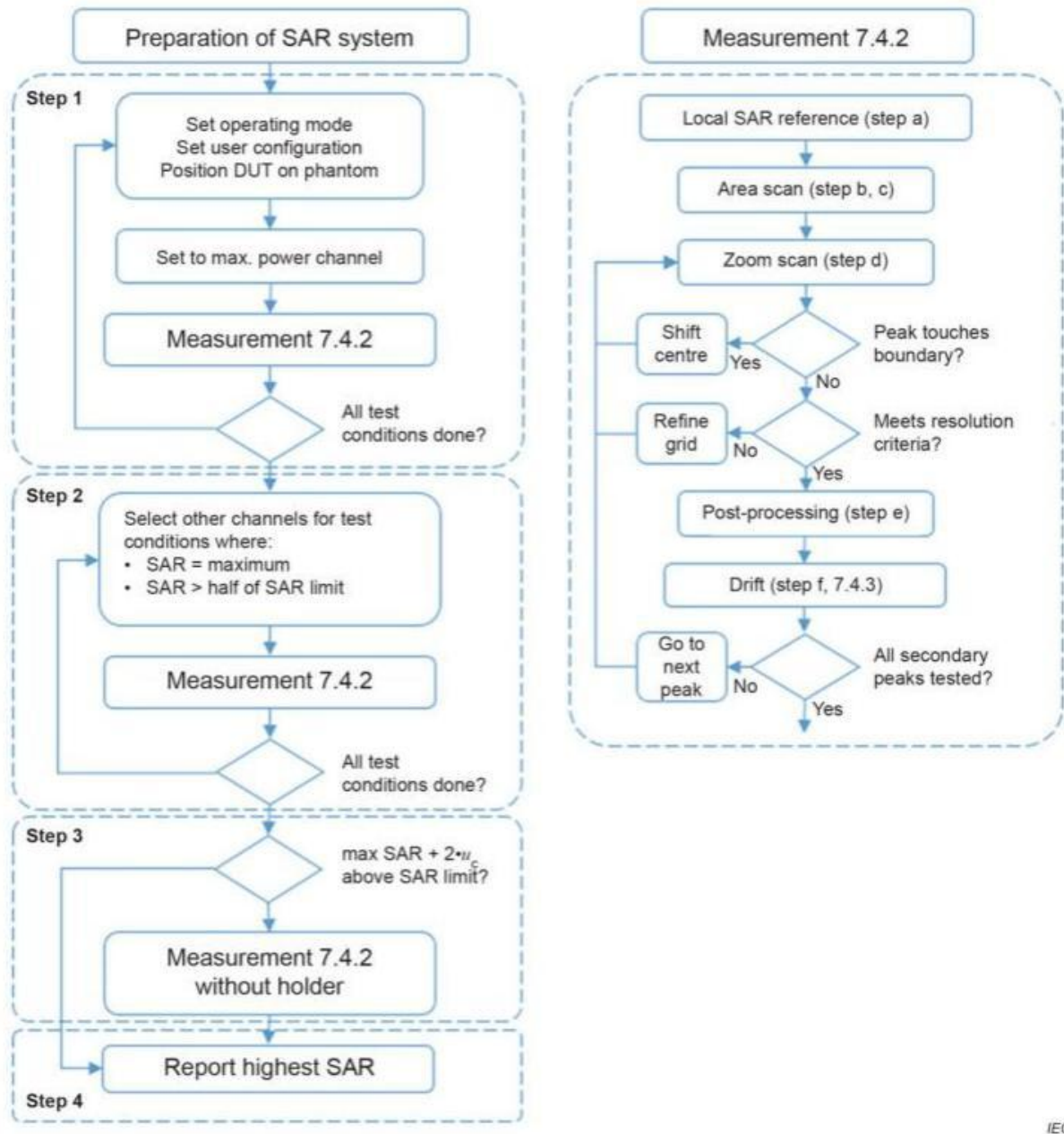
According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed otherwise through KDB inquiries, the following phablet procedures should be applied to evaluate SAR compliance for each applicable wireless modes and frequency band. Devices marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance;

The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for 10-g extremity SAR according to the body-equivalent tissue dielectric parameters in KDB 865664 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, 10-g extremity SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg.

7. Measurement Procedure

7.1 Measurement Process Diagram

Body SAR



IEC

7.2 SAR Scan General Requirement

Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1 g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std 1528-2013.

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	½ δ·ln(2)±0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2–3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
				5–6 GHz: ≤ 2 mm
Δz Zoom (n>1): between subsequent points		≤ 1.5·Δz Zoom (n-1)		
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm
Note:				
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528- 2011 for details.				
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB				
447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.3 Measurement Procedure

The following steps are used for each test position

- a. Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- b. Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- c. Measurement of the SAR distribution with a grid of 8 to 16mm * 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.
- d. Around this point, a cube of 30 * 30 * 30 mm or 32 * 32 * 32 mm is assessed by measuring 5 or 8 * 5 or 8*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

7.4 Area & Zoom Scan Procedure

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g.

When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

8. Conducted RF Output Power

8.1 GSM

Mode: GSM850		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH128	CH190	CH251		CH128	CH190	CH251
			824.2MHz	836.6MHz	848.8MHz		824.2MHz	836.6MHz	848.8MHz
GSM		31.50	31.38	31.34	31.16	-9.03	22.35	22.31	22.13
GPRS (GMSK)	1Tx slot	32.00	31.51	31.29	31.09	-9.03	22.48	22.26	22.06
	2Tx slots	31.50	31.35	31.18	30.97	-6.02	25.33	25.16	24.95
	3Tx slots	31.50	31.19	31.01	30.80	-4.26	26.93	26.75	26.54
	4Tx slots	30.00	29.88	29.68	29.44	-3.01	26.87	26.67	26.43
EGPRS (8PSK)	1Tx slot	26.00	25.97	25.94	25.60	-9.03	16.94	16.91	16.57
	2Tx slots	26.00	25.75	25.80	25.52	-6.02	19.73	19.78	19.50
	3Tx slots	26.00	25.80	25.68	25.39	-4.26	21.54	21.42	21.13
	4Tx slots	24.00	23.79	23.46	23.42	-3.01	20.78	20.45	20.41
Mode: GSM1900		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH512	CH661	CH810		CH512	CH661	CH810
			1850.2MHz	1880.0MHz	1909.8MHz		1850.2MHz	1880.0MHz	1909.8MHz
GSM		29.50	29.34	29.13	28.95	-9.03	20.31	20.10	19.92
GPRS (GMSK)	1Tx slot	29.50	29.36	29.12	28.93	-9.03	20.33	20.09	19.90
	2Tx slots	29.50	29.31	29.09	28.92	-6.02	23.29	23.07	22.90
	3Tx slots	29.50	29.23	29.04	28.88	-4.26	24.97	24.78	24.62
	4Tx slots	28.00	27.43	27.55	27.49	-3.01	24.42	24.54	24.48
EGPRS (8PSK)	1Tx slot	26.50	26.00	26.32	26.21	-9.03	16.97	17.29	17.18
	2Tx slots	26.50	26.02	26.25	26.20	-6.02	20.00	20.23	20.18
	3Tx slots	26.50	25.97	26.20	26.14	-4.26	21.71	21.94	21.88
	4Tx slots	25.00	24.29	24.57	24.42	-3.01	21.28	21.56	21.41
Note: 1) Division Factors To average the power, the division factor is as follows: 1Tx-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB 2Tx-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB 3Tx-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB 4Tx-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB									

8.2 WCDMA

Mode		Maximum Tune-up(dBm)	WCDMA Band II		
			Conducted Power (dBm)		
			CH9262	CH9400	CH9538
			1852.4	1880.0	1907.6
RMC 12.2K		22.50	22.01	22.21	22.08
HSDPA	Subtest-1	20.50	20.07	20.15	20.32
	Subtest-2	20.50	20.06	20.11	20.32
	Subtest-3	20.50	20.07	20.13	20.31
	Subtest-4	20.50	19.99	20.13	20.31
HSUPA	Subtest-1	18.00	17.28	17.27	17.57
	Subtest-2	18.00	17.58	17.73	17.64
	Subtest-3	18.00	17.00	17.54	17.76
	Subtest-4	18.00	17.63	17.56	17.73
	Subtest-5	19.00	17.84	17.83	18.74
Mode		Maximum Tune-up(dBm)	WCDMA Band IV		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
			1712.4	1732.6	1752.6
RMC 12.2K		22.50	22.21	21.92	21.76
HSDPA	Subtest-1	20.50	19.98	20.07	19.90
	Subtest-2	20.50	20.00	20.12	19.86
	Subtest-3	20.50	20.01	20.11	19.88
	Subtest-4	20.50	19.95	20.08	19.88
HSUPA	Subtest-1	18.00	17.38	17.74	17.33
	Subtest-2	18.00	17.39	17.50	17.30
	Subtest-3	18.00	17.73	17.15	17.02
	Subtest-4	18.00	17.39	17.60	17.55
	Subtest-5	18.00	17.85	17.93	17.70
Mode		Maximum Tune-up(dBm)	WCDMA Band V		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
			826.4	836.6	846.6
RMC 12.2K		23.00	22.81	22.76	22.56
HSDPA	Subtest-1	21.00	20.74	20.64	20.60
	Subtest-2	21.00	20.75	20.67	20.65
	Subtest-3	21.00	20.73	20.68	20.62
	Subtest-4	21.00	20.73	20.63	20.60
HSUPA	Subtest-1	18.50	18.04	18.23	18.31
	Subtest-2	19.00	18.69	18.85	18.22
	Subtest-3	19.00	17.94	18.37	18.55
	Subtest-4	19.00	17.97	18.55	18.30
	Subtest-5	19.00	18.54	18.99	18.38
Per KDB 941225 D01, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq 1/2$ dB higher than the primary mode (RMC12.2kbps) or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.					

8.3 LTE

Band 2

LTE-FDD Band 2				Maximum Tune-up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		18607	18900	19193	
					1850.7MHz	1880.0MHz	1909.3MHz	
1.4MHz	QPSK	1	0	21.50	21.19	21.09	21.28	
			2	21.50	21.28	21.19	21.37	
			5	21.50	21.18	21.11	21.26	
		3	0	21.50	21.31	21.18	21.34	
			2	21.50	21.37	21.23	21.34	
			3	21.50	21.30	21.18	21.34	
		6	0	20.50	20.34	20.22	20.34	
		16QAM	1	0	20.50	20.32	20.28	20.25
				2	20.50	20.35	20.39	20.36
	5			20.50	20.22	20.27	20.26	
	3		0	21.00	20.50	20.14	20.51	
			2	21.00	20.53	20.23	20.52	
			3	20.50	20.48	20.18	20.49	
	6		0	19.50	19.37	19.22	19.33	
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18615	18900	19185
1851.5MHz						1880.0MHz	1908.5MHz	
3MHz	QPSK	1	0	21.50	21.28	21.23	21.41	
			7	22.00	21.42	21.40	21.56	
			14	21.50	21.21	21.24	21.39	
		8	0	20.50	20.29	20.26	20.45	
			4	20.50	20.32	20.32	20.48	
			7	20.50	20.26	20.25	20.44	
		15	0	20.50	20.30	20.26	20.44	
	16QAM	1	0	21.00	20.38	20.42	20.95	
			7	21.50	20.54	20.57	21.10	
			14	21.00	20.28	20.39	20.94	
		8	0	20.00	19.43	19.27	19.59	
			4	20.00	19.47	19.33	19.60	
			7	20.00	19.38	19.27	19.59	
		15	0	19.50	19.40	19.22	19.49	
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18625	18900
1852.5MHz	1880.0MHz						1907.5MHz	
5MHz	QPSK	1	0	21.50	21.37	21.22	21.37	
			13	22.00	21.46	21.39	21.58	
			24	21.50	21.22	21.24	21.42	
		12	0	20.50	20.41	20.34	20.49	
			6	21.00	20.44	20.38	20.53	
			13	21.00	20.37	20.32	20.50	
		25	0	20.50	20.39	20.34	20.47	
	16QAM	1	0	20.50	20.48	20.47	20.24	
			13	21.00	20.54	20.63	20.43	
			24	21.00	20.33	20.50	20.28	
		12	0	19.50	19.38	19.39	19.48	
			6	20.00	19.43	19.46	19.51	
			13	20.00	19.36	19.36	19.50	
		25	0	20.00	19.44	19.36	19.51	

LTE-FDD Band 2				Maximum Tune-up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		18650	18900	19150		
					1855.0MHz	1880.0MHz	1905.0MHz		
10MHz	QPSK	1	0	21.50	21.47	21.24	21.42		
			25	22.00	21.57	21.50	21.65		
			49	22.00	21.36	21.33	21.51		
		25	0	21.00	20.41	20.42	20.66		
			13	21.00	20.36	20.40	20.53		
			25	21.00	20.47	20.40	20.53		
		50	0	21.00	20.45	20.38	20.57		
			16QAM	1	0	21.00	20.51	20.41	20.93
					25	21.50	20.53	20.66	21.16
	49	21.50			20.33	20.49	21.03		
	25	0		20.00	19.52	19.46	19.70		
		13		20.00	19.48	19.43	19.60		
		25		20.00	19.58	19.44	19.60		
	50	0		20.00	19.48	19.42	19.60		
	Bandwidth	Modulation		RB allocation	RB offset	Maximum Tune-up(dBm)	18675	18900	19125
							1857.5MHz	1880.0MHz	1902.5MHz
15MHz	QPSK	1	0	21.50	21.38	21.22	21.38		
			38	22.00	21.39	21.39	21.51		
			74	21.50	21.26	21.32	21.43		
		36	0	21.00	20.43	20.47	20.62		
			18	21.00	20.41	20.42	20.57		
			39	21.00	20.50	20.45	20.58		
		75	0	21.00	20.48	20.47	20.60		
		16QAM	1	0	21.00	20.75	20.38	20.90	
				38	21.50	20.73	20.56	21.02	
	74			21.00	20.59	20.46	20.97		
	36		0	20.00	19.38	19.46	19.61		
			18	20.00	19.37	19.42	19.60		
			39	20.00	19.47	19.47	19.58		
	75		0	20.00	19.46	19.49	19.56		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18700	18900	19100	
						1860.0MHz	1880.0MHz	1900.0MHz	
20MHz	QPSK	1	0	21.50	21.21	21.08	21.17		
			50	22.00	21.53	21.56	21.68		
			99	21.50	21.07	21.16	21.31		
		50	0	20.50	20.28	20.45	20.44		
			25	20.50	20.39	20.39	20.48		
			50	20.50	20.44	20.44	20.35		
		100	0	20.50	20.40	20.46	20.42		
		16QAM	1	0	21.00	20.75	20.24	20.42	
				50	21.50	21.06	20.75	20.91	
	99			21.00	20.58	20.36	20.56		
	50		0	19.50	19.30	19.49	19.46		
			25	20.00	19.40	19.40	19.53		
			50	19.50	19.45	19.43	19.38		
	100		0	19.50	19.43	19.46	19.47		

Band 4

LTE-FDD Band 4				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		19957	20175	20393
					1710.7MHz	1732.5MHz	1754.3MHz
1.4MHz	QPSK	1	0	22.00	21.78	21.58	21.42
			2	22.00	21.92	21.68	21.52
			5	22.00	21.79	21.56	21.41
		3	0	22.00	21.67	21.64	21.45
			2	22.00	21.72	21.72	21.48
			3	22.00	21.69	21.65	21.43
	6	0	21.00	20.84	20.67	20.54	
	16QAM	1	0	21.00	20.63	20.73	20.32
			2	21.00	20.77	20.85	20.45
			5	21.00	20.68	20.74	20.34
		3	0	21.00	20.64	20.57	20.54
			2	21.00	20.66	20.63	20.58
			3	21.00	20.63	20.62	20.56
		6	0	20.00	19.70	19.68	19.47
Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19965	20175
	1711.5MHz					1732.5MHz	1753.5MHz
3MHz	QPSK	1	0	22.00	21.88	21.61	21.46
			7	22.00	21.92	21.76	21.62
			14	22.00	21.82	21.57	21.48
		8	0	21.00	20.78	20.62	20.47
			4	21.00	20.81	20.64	20.48
			7	21.00	20.76	20.59	20.49
	15	0	21.00	20.69	20.59	20.42	
	16QAM	1	0	21.00	20.72	20.77	20.85
			7	21.00	20.81	20.91	20.99
			14	21.00	20.65	20.75	20.86
		8	0	20.00	19.74	19.59	19.56
			4	20.00	19.77	19.64	19.61
			7	20.00	19.74	19.58	19.60
		15	0	20.00	19.69	19.57	19.44
Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19976	20175
	1712.5MHz					1732.5MHz	1752.5MHz
5MHz	QPSK	1	0	22.00	21.70	21.52	21.31
			13	22.00	21.79	21.64	21.44
			24	22.00	21.64	21.49	21.31
		12	0	21.00	20.65	20.59	20.34
			6	21.00	20.71	20.64	20.41
			13	21.00	20.67	20.60	20.33
	25	0	21.00	20.63	20.57	20.34	
	16QAM	1	0	21.00	20.67	20.75	20.16
			13	21.00	20.78	20.86	20.23
			24	21.00	20.61	20.71	20.13
		12	0	20.00	19.57	19.65	19.32
			6	20.00	19.65	19.67	19.38
			13	20.00	19.61	19.66	19.31
		25	0	20.00	19.62	19.61	19.37

LTE-FDD Band 4				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20000	20175	20350
					1715.0MHz	1732.5MHz	1750.0MHz
10MHz	QPSK	1	0	22.00	21.82	21.61	21.50
			25	22.00	21.99	21.79	21.61
			49	22.00	21.73	21.51	21.41
		25	0	21.00	20.69	20.63	20.40
			13	21.00	20.69	20.64	20.42
			25	21.00	20.73	20.70	20.36
		50	0	21.00	20.71	20.67	20.37
	16QAM	1	0	21.00	20.68	20.74	20.96
			25	21.50	20.82	20.94	21.02
			49	21.00	20.67	20.69	20.78
		25	0	20.00	19.72	19.70	19.44
			13	20.00	19.75	19.66	19.46
			25	20.00	19.79	19.71	19.39
		50	0	20.00	19.70	19.69	19.39
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20025	20175	20325
					1717.5MHz	1732.5MHz	1747.5MHz
15MHz	QPSK	1	0	22.00	21.75	21.54	21.51
			38	22.00	21.75	21.64	21.52
			74	22.00	21.55	21.50	21.34
		36	0	21.00	20.87	20.70	20.62
			18	21.00	20.85	20.68	20.59
			39	21.00	20.78	20.72	20.52
		75	0	21.00	20.81	20.69	20.55
	16QAM	1	0	21.50	20.82	20.69	21.02
			38	21.00	20.92	20.78	20.99
			74	21.00	20.90	20.64	20.75
		36	0	20.00	19.75	19.70	19.62
			18	20.00	19.72	19.68	19.58
			39	20.00	19.70	19.69	19.48
		75	0	20.00	19.73	19.71	19.52
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20050	20175	20300
					1720.0MHz	1732.5MHz	1745.0MHz
20MHz	QPSK	1	0	21.50	21.49	21.37	21.29
			50	22.00	21.83	21.81	21.70
			99	21.50	21.35	21.41	21.14
		50	0	21.00	20.64	20.65	20.47
			25	21.00	20.67	20.61	20.56
			50	21.00	20.64	20.70	20.48
		100	0	21.00	20.69	20.69	20.51
	16QAM	1	0	21.00	20.85	20.59	20.56
			50	21.50	21.30	20.92	20.92
			99	21.00	20.92	20.54	20.35
		50	0	20.00	19.63	19.63	19.47
			25	20.00	19.68	19.65	19.55
			50	20.00	19.64	19.70	19.48
		100	0	20.00	19.70	19.69	19.54

Band 5

LTE-FDD Band 5				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20407	20525	20643
					824.7MHz	836.5MHz	848.3MHz
1.4MHz	QPSK	1	0	23.00	22.50	22.32	22.15
			2	23.00	22.62	22.40	22.28
			5	22.50	22.46	22.29	21.94
		3	0	22.50	22.45	22.41	21.89
			2	23.00	22.52	22.43	21.70
			3	22.50	22.47	22.40	21.65
		6	0	22.00	21.53	21.37	20.78
	16QAM	1	0	21.50	21.39	21.42	20.65
			2	22.00	21.49	21.54	20.78
			5	21.50	21.42	21.43	20.58
		3	0	21.50	21.45	21.33	20.86
			2	21.50	21.47	21.31	20.85
			3	21.50	21.43	21.32	20.79
		6	0	20.50	20.43	20.40	19.77
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	23.00	22.52	22.28	21.95
			7	23.00	22.65	22.47	21.83
			14	22.50	22.49	22.25	21.72
		8	0	21.50	21.45	21.30	20.74
			4	21.50	21.46	21.39	20.76
			7	21.50	21.41	21.30	20.72
		15	0	21.50	21.37	21.26	20.81
	16QAM	1	0	21.50	21.45	21.36	21.29
			7	22.00	21.58	21.47	21.35
			14	21.50	21.40	21.33	21.00
		8	0	20.50	20.49	20.30	19.87
			4	21.00	20.52	20.33	19.92
			7	20.50	20.46	20.34	19.84
		15	0	20.50	20.45	20.27	19.76

LTE-FDD Band 5				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20425	20525	20625
					826.5MHz	836.5MHz	846.5MHz
5MHz	QPSK	1	0	22.50	22.36	22.17	21.63
			13	22.50	22.46	21.98	21.76
			24	22.50	22.29	21.74	21.58
		12	0	21.50	21.36	20.84	20.75
			6	21.50	21.40	21.05	20.75
			13	21.50	21.30	20.86	20.65
		25	0	21.50	21.29	20.84	20.71
	16QAM	1	0	21.50	21.20	21.01	20.52
			13	21.50	21.29	21.20	20.63
			24	21.50	21.10	20.96	20.36
		12	0	20.50	20.26	19.83	19.72
			6	20.50	20.33	19.92	19.78
			13	20.50	20.28	19.95	19.65
		25	0	20.50	20.31	19.91	19.74

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20450	20525	20600
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	22.50	22.46	22.24	21.91
			25	23.00	22.59	21.99	21.94
			49	22.50	22.28	21.73	21.68
		25	0	21.50	21.36	20.87	20.93
			13	21.50	21.23	20.89	20.83
			25	21.50	21.08	20.89	20.79
	16QAM	50	0	21.50	21.03	20.86	20.85
			0	21.50	20.91	21.03	21.27
			25	21.50	21.07	21.19	21.43
		1	49	21.50	20.83	20.93	21.09
			0	20.50	20.08	19.86	19.95
			13	20.50	20.17	20.10	19.89
		25	25	20.50	20.21	19.96	19.84
			50	20.50	20.03	19.98	19.87

Band 7

LTE-FDD Band 7				Maximum Tune-up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		20775	21100	21425		
					2502.5MHz	2535.0MHz	2567.5MHz		
5MHz	QPSK	1	0	22.00	21.04	21.47	21.57		
			12	22.00	21.19	21.61	21.36		
			24	21.50	21.07	21.49	21.23		
		12	0	21.00	20.16	20.52	20.27		
			6	21.00	20.20	20.59	20.34		
			13	21.00	20.12	20.56	20.26		
		25	0	21.00	20.14	20.54	20.26		
			16QAM	1	0	21.00	20.09	20.61	20.03
					12	21.00	20.24	20.78	20.15
	24	21.00			20.14	20.66	20.02		
	12	0		20.00	19.08	19.51	19.19		
		6		20.00	19.13	19.58	19.29		
		13		20.00	19.02	19.57	19.22		
	25	0		20.00	19.08	19.51	19.27		
Bandwidth		Modulation		RB allocation	RB offset	Maximum Tune-up(dBm)	20800	21100	21400
							2505.0MHz	2535.0MHz	2565.0MHz
10MHz	QPSK	1	0	21.50	21.16	21.10	21.26		
			24	22.00	21.07	21.26	21.51		
			49	21.50	20.79	21.09	21.40		
		25	0	21.00	19.78	20.56	20.35		
			12	21.00	19.75	20.54	20.36		
			25	21.00	19.71	20.64	20.37		
		50	0	21.00	19.73	20.60	20.34		
			16QAM	1	0	21.00	19.62	20.30	20.76
					24	21.00	19.84	20.56	20.93
	49	21.00			19.76	20.27	20.66		
	25	0		20.00	18.79	19.56	19.36		
		12		20.00	18.74	19.57	19.38		
		25		20.00	18.76	19.64	19.43		
	50	0		20.00	18.72	19.60	19.34		

LTE-FDD Band 7				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20825	21100	21375
					2507.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	21.50	21.08	20.96	21.14
			38	21.50	20.76	21.13	21.32
			74	21.50	20.78	21.05	21.31
		38	0	20.50	19.77	20.15	20.35
			18	20.50	19.81	20.25	20.42
			37	20.50	19.85	20.25	20.47
		75	0	20.50	19.82	20.19	20.41
	16QAM	1	0	21.00	19.83	20.09	20.63
			38	21.00	20.07	20.24	20.80
			74	21.00	20.07	20.17	20.61
		38	0	19.50	18.69	19.04	19.31
			18	19.50	18.70	19.15	19.35
			37	19.50	18.77	19.15	19.38
		75	0	19.50	18.76	19.31	19.36
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20850	21100	21350
					2510.0MHz	2535.0MHz	2560.0MHz
20MHz	QPSK	1	0	21.00	20.83	20.77	20.97
			49	21.50	20.98	21.26	21.47
			99	21.50	20.62	20.87	21.09
		50	0	20.50	19.71	19.95	20.30
			25	20.50	19.77	20.10	20.32
			50	20.50	19.82	20.12	20.31
		100	0	20.50	19.82	20.14	20.35
	16QAM	1	0	20.50	19.84	19.92	20.24
			49	21.00	20.40	20.37	20.70
			99	20.50	20.07	20.03	20.24
		50	0	19.50	18.69	19.01	19.28
			25	19.50	18.71	19.22	19.29
			50	19.50	18.80	19.40	19.30
		100	0	20.00	18.78	19.52	19.36

Band 12

LTE-FDD Band 12				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23017	23095	23173
					699.7MHz	707.5MHz	715.3MHz
1.4MHz	QPSK	1	0	23.00	22.62	22.43	22.31
			2	23.00	22.71	22.50	22.43
			5	23.00	22.60	22.40	22.36
		3	0	23.00	22.62	22.50	22.43
			2	23.00	22.64	22.51	22.50
			3	23.00	22.65	22.50	22.42
		6	0	22.00	21.63	21.50	21.44
	16QAM	1	0	22.00	21.53	21.59	21.27
			2	22.00	21.65	21.65	21.39
			5	22.00	21.61	21.56	21.33
		3	0	22.00	21.64	21.44	21.54
			2	22.00	21.65	21.48	21.63
			3	22.00	21.65	21.44	21.59
		6	0	21.00	20.55	20.49	20.42

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
3MHz	QPSK	1	0	23.00	22.65	22.47	22.48
			7	23.00	22.78	22.58	22.53
			14	23.00	22.58	22.41	22.42
		8	0	22.00	21.62	21.45	21.47
			4	22.00	21.64	21.55	21.48
			7	22.00	21.59	21.47	21.43
	16QAM	15	0	22.00	21.58	21.45	21.41
			0	22.00	21.63	21.65	21.88
			7	22.00	21.72	21.75	21.95
		8	14	22.00	21.52	21.60	21.83
			0	21.00	20.63	20.42	20.56
			4	21.00	20.67	20.46	20.59
			7	21.00	20.62	20.44	20.53
		15	0	21.00	20.62	20.44	20.44
			0	21.00	20.62	20.44	20.44
			0	21.00	20.62	20.44	20.44
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	23.00	22.51	22.40	22.30
			13	23.00	22.57	22.41	22.46
			24	22.50	22.44	22.33	22.22
		12	0	22.00	21.65	21.44	21.42
			6	22.00	21.57	21.48	21.44
			13	22.00	21.48	21.54	21.33
	16QAM	25	0	22.00	21.54	21.48	21.37
			0	22.00	21.55	21.27	21.16
			13	22.00	21.63	21.55	21.29
		1	24	22.00	21.53	21.57	21.10
			0	21.00	20.58	20.45	20.38
			6	21.00	20.51	20.53	20.41
		12	13	21.00	20.45	20.56	20.31
			0	21.00	20.57	20.46	20.41
			0	21.00	20.57	20.46	20.41
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23060	23095	23130
					704.0MHz	707.5MHz	711.0MHz
10MHz	QPSK	1	0	23.00	22.54	22.41	22.17
			25	23.00	22.66	22.36	22.54
			49	22.50	22.43	22.11	21.92
		25	0	22.00	21.59	21.46	21.29
			13	22.00	21.51	21.46	21.42
			25	22.00	21.59	21.52	21.33
	16QAM	50	0	22.00	21.58	21.45	21.35
			0	21.50	21.42	21.07	21.42
			25	22.00	21.45	21.37	21.98
		1	49	21.50	21.27	21.36	21.38
			0	21.00	20.69	20.50	20.39
			13	21.00	20.60	20.50	20.49
		25	25	21.00	20.66	20.50	20.38
			0	21.00	20.61	20.52	20.36
			0	21.00	20.61	20.52	20.36

Band 13

LTE-FDD Band 13				Maximum Tune-up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		23205	23230	23255	
					779.5MHz	782.0MHz	784.5MHz	
5MHz	QPSK	1	0	22.50	22.49	22.40	22.41	
			13	23.00	22.58	22.57	22.58	
			24	23.00	22.51	22.42	22.39	
		12	0	22.00	21.66	21.46	21.44	
			6	22.00	21.63	21.60	21.58	
			13	22.00	21.66	21.64	21.47	
		25	0	22.00	21.67	21.60	21.43	
	16QAM	1	0	22.00	21.46	21.73	21.31	
			13	22.00	21.73	21.85	21.42	
			24	22.00	21.56	21.61	21.32	
		12	0	21.00	20.61	20.51	20.43	
			6	21.00	20.63	20.66	20.55	
			13	21.00	20.65	20.66	20.43	
		25	0	21.00	20.70	20.59	20.48	
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23230	
							782.0MHz	
10MHz	QPSK	1	0	23.00	22.68			
			25	23.00	22.74			
			49	23.00	22.59			
		25	0	22.00	21.66			
			13	22.00	21.71			
			25	22.00	21.77			
		50	0	22.00	21.77			
	16QAM	1	0	22.50	22.03			
			25	22.50	22.33			
			49	22.50	22.10			
		25	0	21.00	20.73			
			13	21.00	20.79			
			25	21.00	20.80			
		50	0	21.00	20.79			

Band 17

LTE-FDD Band 17				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755	23790	23825
					706.5MHz	710MHz	713.5MHz
5MHz	QPSK	1	0	22.50	22.41	22.40	22.37
			13	23.00	22.53	22.50	22.53
			24	22.50	22.40	22.35	22.36
		12	0	22.00	21.52	21.38	21.45
			6	22.00	21.58	21.49	21.47
			13	22.00	21.55	21.47	21.41
		25	0	22.00	21.58	21.43	21.44
	16QAM	1	0	22.00	21.53	21.65	21.16
			13	22.00	21.71	21.73	21.31
			24	22.00	21.54	21.57	21.14
		12	0	21.00	20.54	20.45	20.38
			6	21.00	20.58	20.52	20.43
			13	21.00	20.54	20.48	20.36
		25	0	21.00	20.60	20.40	20.42

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23780	23790	23800
					709MHz	710MHz	711MHz
10MHz	QPSK	1	0	23.00	22.51	22.43	22.41
			25	23.00	22.65	22.53	22.55
			49	22.50	22.43	22.38	22.37
		25	0	21.50	21.39	21.33	21.38
			13	21.50	21.45	21.42	21.43
			25	21.50	21.43	21.40	21.34
		50	0	21.50	21.40	21.33	21.32
	16QAM	1	0	22.00	21.42	21.59	21.96
			25	22.00	21.60	21.68	21.99
			49	22.00	21.39	21.54	21.78
		25	0	21.00	20.50	20.39	20.37
			13	21.00	20.53	20.45	20.44
			25	20.50	20.49	20.39	20.40
		50	0	20.50	20.41	20.38	20.33

Band 25

LTE-FDD Band 25				Maximum Tune-up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		26047	26365	26683		
					1850.7MHz	1882.5MHz	1914.3MHz		
1.4MHz	QPSK	1	0	22.00	21.40	21.40	21.51		
			2	22.00	21.56	21.50	21.62		
			5	22.00	21.44	21.41	21.53		
		3	0	22.00	21.48	21.48	21.61		
			2	22.00	21.50	21.51	21.64		
			3	22.00	21.48	21.52	21.60		
		6	0	21.00	20.45	20.50	20.62		
	16QAM	1	0	21.00	20.41	20.53	20.52		
			2	21.00	20.50	20.67	20.62		
			5	21.00	20.46	20.56	20.52		
		3	0	21.00	20.51	20.44	20.73		
			2	21.00	20.54	20.48	20.78		
			3	21.00	20.49	20.46	20.76		
		6	0	20.00	19.41	19.51	19.62		
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26055	26365	26675
							1851.5MHz	1882.5MHz	1913.5MHz
3MHz	QPSK	1	0	22.00	21.48	21.45	21.61		
			7	22.00	21.62	21.62	21.77		
			14	22.00	21.49	21.46	21.59		
		8	0	21.00	20.46	20.48	20.64		
			4	21.00	20.47	20.53	20.68		
			7	21.00	20.42	20.44	20.61		
		15	0	21.00	20.42	20.46	20.62		
	16QAM	1	0	21.50	20.47	20.62	21.12		
			7	21.50	20.65	20.78	21.26		
			14	21.50	20.49	20.64	21.06		
		8	0	20.00	19.53	19.46	19.80		
			4	20.00	19.58	19.52	19.84		
			7	20.00	19.52	19.48	19.76		
		15	0	20.00	19.50	19.47	19.66		

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26065	26365	26665
					1852.5MHz	1882.5MHz	1912.5MHz
5MHz	QPSK	1	0	22.00	21.40	21.41	21.57
			13	22.00	21.56	21.57	21.75
			24	22.00	21.37	21.45	21.57
		12	0	21.00	20.46	20.51	20.62
			6	21.00	20.50	20.57	20.71
			13	21.00	20.51	20.55	20.61
	16QAM	25	0	21.00	20.47	20.53	20.57
			0	21.00	20.50	20.65	20.44
			13	21.00	20.69	20.81	20.58
		1	24	21.00	20.49	20.69	20.39
			0	20.00	19.45	19.55	19.63
			6	20.00	19.48	19.62	19.72
		12	13	20.00	19.50	19.54	19.54
			25	20.00	19.49	19.52	19.64

LTE-FDD Band 25				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26090	26365	26640
10MHz	QPSK	1	0	22.00	21.46	21.46	21.59
			25	22.00	21.66	21.65	21.79
			49	22.00	21.50	21.52	21.63
		25	0	21.00	20.45	20.58	20.71
			13	21.00	20.51	20.55	20.69
			25	21.00	20.57	20.56	20.66
		50	0	21.00	20.54	20.58	20.69
	16QAM	1	0	21.50	20.43	20.62	21.16
			25	21.50	20.65	20.84	21.32
			49	21.50	20.47	20.66	21.11
		25	0	20.00	19.56	19.60	19.77
			13	20.00	19.59	19.58	19.74
			25	20.00	19.68	19.58	19.72
		50	0	20.00	19.58	19.60	19.69
15MHz	QPSK	1	0	22.00	21.35	21.37	21.51
			38	22.00	21.50	21.53	21.63
			74	22.00	21.38	21.48	21.60
		36	0	21.00	20.46	20.60	20.80
			18	21.00	20.54	20.57	20.75
			39	21.00	20.67	20.66	20.79
		75	0	21.00	20.55	20.62	20.82
	16QAM	1	0	21.00	20.71	20.54	20.99
			38	21.50	20.84	20.71	21.20
			74	21.50	20.71	20.65	21.07
		36	0	20.00	19.42	19.60	19.82
			18	20.00	19.48	19.57	19.73
			39	20.00	19.58	19.61	19.80
		75	0	20.00	19.53	19.64	19.81

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26140	26365	26590
					1860.0MHz	1882.5MHz	1905.0MHz
20MHz	QPSK	1	0	21.50	21.16	21.21	21.32
			50	22.00	21.62	21.68	21.79
			99	21.50	21.16	21.32	21.40
		50	0	21.00	20.35	20.62	20.74
			25	21.00	20.50	20.58	20.64
			50	21.00	20.55	20.65	20.68
		100	0	21.00	20.45	20.63	20.73
			0	21.00	20.69	20.38	20.56
			50	21.50	21.14	20.86	21.05
	16QAM	1	99	21.00	20.65	20.49	20.64
			0	20.00	19.37	19.64	19.74
			25	20.00	19.48	19.54	19.72
		50	50	20.00	19.55	19.65	19.71
			0	20.00	19.50	19.65	19.74
			0	20.00	19.50	19.65	19.74
		100	0	20.00	19.50	19.65	19.74

Band 26 Part 90

LTE-FDD Band 26 Part 90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26697	26740	26783
1.4MHz	QPSK	1	0	22.50	22.42	22.36	22.30
			2	23.00	22.59	22.45	22.38
			5	22.50	22.41	22.37	22.32
		3	0	22.50	22.43	22.46	22.40
			2	23.00	22.50	22.49	22.39
			3	22.50	22.48	22.41	22.35
		6	0	21.50	21.45	21.43	21.37
			0	22.00	21.36	21.51	21.27
			2	22.00	21.51	21.57	21.35
	16QAM	1	5	21.50	21.43	21.48	21.28
			0	22.00	21.46	21.37	21.50
			2	22.00	21.51	21.41	21.53
		3	3	22.00	21.48	21.40	21.51
			0	20.50	20.43	20.44	20.38
			0	20.50	20.43	20.44	20.38
		6	0	20.50	20.43	20.44	20.38
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26705	26740	26775
3MHz	QPSK	1	0	23.00	22.50	22.38	22.37
			7	23.00	22.67	22.54	22.52
			14	23.00	22.54	22.37	22.39
		8	0	21.50	21.45	21.41	21.35
			4	22.00	21.51	21.43	21.39
			7	21.50	21.47	21.39	21.37
		15	0	21.50	21.41	21.40	21.37
			0	22.00	21.43	21.57	21.86
			7	22.00	21.64	21.69	21.99
	16QAM	1	14	22.00	21.48	21.51	21.80
			0	21.00	20.55	20.45	20.53
			4	21.00	20.61	20.45	20.58
		8	7	21.00	20.55	20.42	20.55
			0	21.00	20.51	20.43	20.46
			0	21.00	20.51	20.43	20.46
		15	0	21.00	20.51	20.43	20.46

LTE-FDD Band 26 Part90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26715	26740	26765
					816.5MHz	819.0MHz	821.5MHz
5MHz	QPSK	1	0	22.50	22.33	22.36	22.28
			13	23.00	22.51	22.43	22.41
			24	22.50	22.30	22.27	22.29
		12	0	21.50	21.38	21.38	21.37
			6	21.50	21.49	21.42	21.39
			13	21.50	21.42	21.34	21.33
		25	0	21.50	21.43	21.37	21.36
	16QAM	1	0	22.00	21.37	21.57	21.18
			13	22.00	21.63	21.67	21.26
			24	21.50	21.40	21.48	21.11
		12	0	20.50	20.41	20.46	20.39
			6	21.00	20.53	20.52	20.42
			13	20.50	20.43	20.42	20.35
		25	0	21.00	20.50	20.45	20.46
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26740		
					819.0MHz		
10MHz	QPSK	1	0	22.50	22.44		
			25	23.00	22.59		
			49	22.50	22.43		
		25	0	22.00	21.53		
			13	21.50	21.49		
			25	22.00	21.51		
		50	0	22.00	21.52		
	16QAM	1	0	22.00	21.99		
			25	22.50	22.16		
			49	22.00	21.91		
		25	0	21.00	20.64		
			13	21.00	20.60		
			25	21.00	20.58		
		50	0	21.00	20.60		

Band 26 Part 22

LTE-FDD Band 26 Part 22				Maximum Tune-up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		26797	26915	27033		
					824.7MHz	836.5MHz	848.3MHz		
1.4MHz	QPSK	1	0	22.50	22.43	22.29	22.16		
			2	23.00	22.56	22.39	22.26		
			5	22.50	22.46	22.26	22.22		
		3	0	22.50	22.46	22.37	22.22		
			2	23.00	22.51	22.39	22.16		
			3	22.50	22.47	22.32	22.13		
		6	0	21.50	21.49	21.34	21.21		
			16QAM	1	0	21.50	21.40	21.38	21.11
					2	22.00	21.50	21.53	21.15
	5	21.50			21.41	21.42	21.02		
	3	0		21.50	21.49	21.30	21.29		
		2		21.50	21.49	21.39	21.29		
		3		21.50	21.47	21.32	21.21		
	6	0		20.50	20.43	20.37	20.21		

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26805	26915	27025
					825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	23.00	22.51	22.27	22.20
			7	23.00	22.59	22.42	21.87
			14	22.50	22.39	22.24	21.68
		8	0	21.50	21.40	21.29	20.70
			4	21.50	21.41	21.31	20.74
			7	21.50	21.36	21.25	20.68
		15	0	21.50	21.33	21.28	20.68
	16QAM	1	0	21.50	21.39	21.47	21.24
			7	22.00	21.49	21.58	21.36
			14	21.50	21.31	21.40	21.02
		8	0	20.50	20.45	20.33	19.86
			4	20.50	20.48	20.35	19.89
			7	20.50	20.42	20.28	19.82
		15	0	20.50	20.41	20.28	19.75

LTE-FDD Band 26 Part 22				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26815	26915	27015
5MHz	QPSK	1	0	22.50	22.29	21.64	21.60
			13	22.50	22.35	21.82	21.68
			24	22.00	21.87	21.60	21.55
		12	0	21.00	20.98	20.78	20.74
			6	21.00	20.86	20.85	20.74
			13	21.00	20.77	20.71	20.64
		25	0	21.00	20.78	20.80	20.70
	16QAM	1	0	21.00	20.80	20.96	20.51
			13	21.50	20.88	21.08	20.62
			24	21.00	20.82	20.88	20.36
		12	0	20.00	19.78	19.83	19.74
			6	20.00	19.83	19.88	19.72
			13	20.00	19.74	19.80	19.65
		25	0	20.00	19.81	19.79	19.75
10MHz	QPSK	1	0	22.00	21.86	21.71	21.65
			25	22.50	22.00	21.86	21.85
			49	22.00	21.80	21.65	21.67
		25	0	21.00	20.88	20.84	20.87
			13	21.00	20.85	20.83	20.80
			25	21.00	20.87	20.76	20.77
		50	0	21.00	20.87	20.79	20.84
	16QAM	1	0	21.50	20.86	20.94	21.20
			25	21.50	20.99	21.05	21.39
			49	21.50	20.84	20.84	21.03
		25	0	20.00	19.94	19.88	19.95
			13	20.00	19.93	19.84	19.82
			25	20.00	19.94	19.77	19.83
		50	0	20.00	19.87	19.81	19.85

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26865	26915	26965
					831.5MHz	836.5MHz	841.5MHz
15MHz	QPSK	1	0	22.00	21.71	21.68	21.58
			38	22.00	21.79	21.74	21.69
			74	22.00	21.59	21.60	21.56
		36	0	21.00	20.89	20.86	20.82
			18	21.00	20.91	20.86	20.83
			39	21.00	20.86	20.78	20.79
		75	0	21.00	20.87	20.82	20.81
	16QAM	1	0	21.50	20.99	20.89	21.19
			38	21.50	21.16	20.98	21.21
			74	21.50	21.04	20.80	21.02
		36	0	20.00	19.80	19.83	19.81
			18	20.00	19.82	19.82	19.81
			39	20.00	19.85	19.72	19.78
		75	0	20.00	19.84	19.79	19.78

Band 38

LTE-TDD Band 38				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		37775	38000	38225
					2572.5MHz	2595.0MHz	2617.5MHz
5MHz	QPSK	1	0	21.50	21.23	20.74	21.24
			12	21.50	21.41	20.91	21.20
			24	21.50	21.09	20.90	21.22
		12	0	20.50	19.78	19.93	20.19
			6	20.50	19.80	20.37	20.28
			13	20.50	19.71	20.33	20.23
		25	0	20.50	19.79	19.86	20.18
	16QAM	1	0	20.50	19.61	19.83	20.05
			12	20.50	19.85	19.85	20.22
			24	20.50	19.58	19.76	20.13
		12	0	19.50	18.75	18.72	19.14
			6	19.50	18.69	19.25	19.18
			13	19.50	18.69	19.16	19.16
		25	0	19.50	18.67	19.39	19.18
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37800	38000	38200
					2575.00MHz	2595.00MHz	2615.00MHz
10MHz	QPSK	1	0	21.50	20.76	20.88	21.14
			24	21.50	20.97	21.30	21.46
			49	21.50	20.84	20.99	21.39
		25	0	20.50	19.95	19.90	20.23
			12	20.50	19.94	19.95	20.30
			25	20.50	19.91	20.04	20.42
		50	0	20.50	19.83	20.04	20.18
	16QAM	1	0	20.50	19.48	19.75	20.06
			24	20.50	20.21	19.94	20.22
			49	20.50	19.70	19.85	20.32
		25	0	19.50	18.85	18.97	19.13
			12	19.50	18.79	19.06	19.20
			25	19.50	18.85	19.00	19.28
		50	0	19.50	18.84	18.91	19.23

LTE-TDD Band 38				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		37825	38000	38175
					2577.5MHz	2595.0MHz	2612.5MHz
15MHz	QPSK	1	0	21.50	20.87	20.80	21.09
			38	21.50	20.85	21.17	21.40
			74	21.50	20.79	21.01	21.39
		38	0	20.50	20.06	20.05	20.36
			18	20.50	20.03	20.10	20.38
			37	20.50	20.05	20.21	20.48
		75	0	20.50	19.98	20.18	20.37
	16QAM	1	0	20.50	19.64	19.72	20.05
			38	20.50	19.74	19.85	20.22
			74	20.50	20.09	19.84	20.23
		38	0	19.50	18.96	18.97	19.18
			18	19.50	18.88	19.03	19.22
			37	19.50	18.88	19.00	19.32
		75	0	19.50	18.95	19.04	19.28
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37850	38000	38150
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	QPSK	1	0	21.00	20.74	20.68	20.95
			49	21.50	21.23	21.37	21.36
			99	21.50	20.76	20.88	21.34
		50	0	20.50	19.87	19.91	20.17
			25	20.50	19.99	20.04	20.24
			50	20.50	19.90	20.17	20.33
		100	0	20.50	20.01	20.02	20.30
	16QAM	1	0	20.00	19.70	19.59	19.81
			49	20.50	20.22	20.04	20.33
			99	20.50	19.21	19.63	20.39
		50	0	19.50	18.87	19.01	19.10
			25	19.50	19.03	19.17	19.28
			50	19.50	18.95	19.08	19.28
		100	0	19.50	18.97	19.10	19.18

Band 41

LTE-TDD Band 41				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		39675	40620	41565
					2498.5MHz	2593.0MHz	2687.5MHz
5MHz	QPSK	1	0	23.00	20.26	20.95	22.58
			13	23.00	20.35	21.25	22.73
			24	23.00	20.23	21.04	22.64
		12	0	22.00	19.25	20.04	21.63
			6	22.00	19.27	20.14	21.70
			13	22.00	19.27	20.03	21.53
		25	0	22.00	19.22	20.12	21.58
	16QAM	1	0	21.50	19.16	20.20	21.36
			13	22.00	19.31	20.20	21.66
			24	21.50	19.15	20.06	21.39
		12	0	20.50	18.11	19.05	20.49
			6	20.50	18.18	19.03	20.48
			13	20.50	18.16	18.94	20.40
		25	0	20.50	18.16	18.94	20.44

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39700	40620	41540
					2501.0MHz	2593.0MHz	2685.0MHz
10MHz	QPSK	1	0	20.16	20.16	20.96	22.74
			25	20.42	20.42	21.26	22.90
			49	20.30	20.30	21.11	22.65
		25	0	19.17	19.17	20.01	21.70
			13	19.27	19.27	20.20	21.65
			25	19.30	19.30	20.11	21.55
		50	0	19.21	19.21	20.07	21.66
			0	19.35	19.35	19.94	21.62
			25	19.28	19.28	20.05	21.79
	16QAM	1	49	18.92	18.92	20.00	21.53
			0	18.09	18.09	19.02	20.62
			13	18.24	18.24	19.13	20.63
		25	25	18.23	18.23	19.07	20.51
			0	18.19	18.19	19.08	20.55
			0				
			0				

LTE-TDD Band 41				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		39725	40620	41515
					2503.5MHz	2593.0MHz	2682.5MHz
15MHz	QPSK	1	0	23.00	20.02	20.89	22.76
			38	23.00	20.37	21.24	22.86
			74	23.00	20.23	21.03	22.68
		36	0	22.00	19.23	20.22	21.98
			18	22.00	19.35	20.23	21.95
			39	22.00	19.39	20.32	21.80
		75	0	22.00	19.29	20.26	21.83
	16QAM	1	0	22.00	19.23	19.75	21.59
			38	22.00	19.37	19.98	21.67
			74	21.50	19.18	19.81	21.47
		36	0	21.00	18.14	19.12	20.75
			18	21.00	18.21	19.06	20.67
			39	21.00	18.29	19.20	20.57
		75	0	21.00	18.19	19.15	20.66
			0				
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39750	40620	41490
					2506.0MHz	2593.0MHz	2680.0MHz
20MHz	QPSK	1	0	23.00	19.97	20.66	22.67
			50	23.00	20.48	21.20	22.91
			99	23.00	20.09	20.85	22.50
		50	0	22.00	19.09	20.04	21.73
			25	22.00	19.29	20.15	21.71
			50	21.50	19.39	20.18	21.49
		100	0	22.00	19.27	20.07	21.70
	16QAM	1	0	21.50	18.99	19.84	21.40
			50	22.00	19.45	19.87	21.64
			99	21.50	19.16	19.57	21.22
		50	0	21.00	18.09	19.03	20.66
			25	21.00	18.30	19.07	20.58
			50	20.50	18.38	19.18	20.45
		100	0	21.00	18.21	19.15	20.60
			0				

Band 66

LTE-FDD Band 66				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		131979	132322	132665
					1710.7MHz	1745.0MHz	1779.3MHz
1.4MHz	QPSK	1	0	21.50	21.43	21.24	21.35
			2	22.00	21.60	21.46	21.60
			5	21.50	21.39	21.24	21.35
		3	0	21.50	21.43	21.28	21.44
			2	21.50	21.44	21.28	21.41
			3	21.50	21.47	21.29	21.45
		6	0	21.00	20.55	20.31	20.48
	16QAM	1	0	21.00	20.34	20.53	20.31
			2	21.00	20.48	20.72	20.54
			5	21.00	20.29	20.51	20.31
		3	0	20.50	20.41	20.30	20.31
			2	20.50	20.39	20.27	20.36
			3	21.00	20.40	20.34	20.96
		6	0	20.00	19.50	19.29	19.86
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131987	132322	132657
					1711.5MHz	1745.0MHz	1778.5MHz
3MHz	QPSK	1	0	22.50	22.03	21.78	21.37
			7	22.50	22.09	21.91	21.56
			14	22.00	21.96	21.77	21.40
		8	0	21.00	20.94	20.75	20.42
			4	21.50	21.00	20.77	20.46
			7	21.00	20.96	20.72	20.42
		15	0	21.00	20.88	20.70	20.40
	16QAM	1	0	21.50	21.30	20.75	20.54
			7	21.50	21.38	20.88	20.71
			14	21.50	21.23	20.71	20.55
		8	0	20.50	20.00	19.80	19.38
			4	20.50	20.09	19.84	19.43
			7	20.50	20.03	19.79	19.40
		15	0	20.00	19.89	19.76	19.37
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131997	132322	132647
					1712.5MHz	1745.0MHz	1777.5MHz
5MHz	QPSK	1	0	21.50	21.38	21.18	21.21
			13	21.50	21.48	21.30	21.42
			24	21.50	21.29	21.17	21.33
		12	0	20.50	20.39	20.23	20.41
			6	20.50	20.46	20.32	20.47
			13	20.50	20.37	20.29	20.43
		25	0	20.50	20.38	20.24	20.40
	16QAM	1	0	21.00	20.19	20.29	20.55
			13	21.00	20.28	20.40	20.73
			24	21.00	20.12	20.26	20.58
		12	0	19.50	19.30	19.19	19.43
			6	19.50	19.40	19.26	19.46
			13	19.50	19.31	19.22	19.48
		25	0	19.50	19.38	19.27	19.40

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	132022	132322	132622
					1715.0MHz	1745.0MHz	1775.0MHz
10MHz	QPSK	1	0	22.00	21.55	21.28	21.29
			25	22.00	21.62	21.42	21.56
			49	21.50	21.45	21.25	21.48
		25	0	20.50	20.47	20.28	20.47
			13	21.00	20.45	20.30	20.50
			25	21.00	20.49	20.28	20.53
		50	0	20.50	20.47	20.34	20.46
	16QAM	1	0	21.00	20.45	20.43	20.84
			25	21.50	20.57	20.61	21.10
			49	21.50	20.47	20.39	21.03
		25	0	20.00	19.51	19.30	19.50
			13	20.00	19.50	19.31	19.52
			25	20.00	19.56	19.31	19.57
		50	0	20.00	19.48	19.36	19.50

LTE-FDD Band 66				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		132047	132322	132597
					1717.5MHz	1745.0MHz	1772.5MHz
15MHz	QPSK	1	0	21.50	21.46	21.28	21.24
			38	22.00	21.49	21.34	21.51
			74	21.50	21.40	21.27	21.49
		36	0	21.00	20.67	20.41	20.54
			18	21.00	20.59	20.45	20.57
			39	21.00	20.56	20.49	20.64
		75	0	21.00	20.63	20.44	20.64
	16QAM	1	0	21.00	20.82	20.87	20.62
			38	21.00	20.96	20.89	20.89
			74	21.00	20.60	20.73	20.88
		36	0	20.00	19.54	19.41	19.54
			18	20.00	19.53	19.42	19.55
			39	20.00	19.52	19.42	19.58
		75	0	20.00	19.57	19.42	19.57
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	132072	132322	132572
					1720.0MHz	1745.0MHz	1770.0MHz
20MHz	QPSK	1	0	21.50	21.30	21.14	21.05
			50	22.00	21.61	21.57	21.57
			99	21.50	21.35	21.15	21.37
		50	0	21.00	20.50	20.34	20.54
			25	21.00	20.51	20.43	20.52
			50	21.00	20.53	20.46	20.50
		100	0	21.00	20.55	20.42	20.56
	16QAM	1	0	21.00	20.51	20.70	20.23
			50	21.50	20.92	21.07	20.80
			99	21.00	20.60	20.59	20.60
		50	0	20.00	19.49	19.34	19.55
			25	20.00	19.51	19.41	19.50
			50	20.00	19.53	19.41	19.48
		100	0	20.00	19.55	19.39	19.54

Band 71

LTE-FDD Band 71				Maximum Tune-up(dBm)	Conducted Power(dBm)					
Bandwidth	Modulation	RB allocation	RB offset		133147	133297	133447			
					665.5MHz	680.5MHz	695.5MHz			
5MHz	QPSK	1	0	22.50	22.10	22.12	22.17			
			13	22.50	22.22	22.27	22.29			
			24	22.50	22.17	22.12	22.26			
		12	0	21.50	21.14	21.26	21.30			
			6	21.50	21.25	21.24	21.27			
			13	21.50	21.22	21.30	21.42			
		25	0	21.50	21.20	21.34	21.29			
			16QAM	1	0	21.50	21.20	21.38	21.04	
					13	22.00	21.35	21.54	21.17	
	24	21.50			21.30	21.37	21.10			
	12	0		20.50	20.13	20.28	20.27			
		6		20.50	20.27	20.28	20.24			
		13		20.50	20.23	20.32	20.34			
	25	0		20.50	20.24	20.31	20.30			
		Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133172	133297	133422
								668.0MHz	680.5MHz	693.0MHz
	10MHz	QPSK	1	0	22.50	22.20	22.19	22.19		
				25	22.50	22.40	22.37	22.44		
49				22.50	22.20	22.16	22.32			
25			0	21.50	21.21	21.39	21.33			
			13	21.50	21.30	21.30	21.28			
			25	21.50	21.42	21.31	21.14			
50			0	21.50	21.35	21.34	21.26			
			16QAM	1	0	22.00	21.35	21.70	21.20	
					25	22.00	21.56	21.93	21.45	
49		22.00			21.37	21.74	21.30			
25		0		20.50	20.25	20.43	20.41			
		13		20.50	20.36	20.36	20.35			
		25		20.50	20.48	20.37	20.19			
50		0		20.50	20.37	20.36	20.28			
		Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133197	133297	133397
								670.5MHz	680.5MHz	690.5MHz
15MHz		QPSK	1	0	22.50	22.13	22.06	22.12		
				38	22.50	22.28	22.26	22.26		
	74			22.50	22.16	22.17	22.25			
	36		0	21.50	21.22	21.43	21.26			
			18	21.50	21.29	21.31	21.35			
			39	21.50	21.27	21.34	21.28			
	75		0	21.50	21.24	21.39	21.30			
			16QAM	1	0	22.00	21.29	21.62	21.49	
					38	22.00	21.46	21.82	21.63	
	74	22.00			21.35	21.72	21.62			
	36	0		20.50	20.21	20.42	20.22			
		18		20.50	20.26	20.32	20.29			
		39		20.50	20.27	20.37	20.23			
	75	0		20.50	20.26	20.40	20.26			

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133222	133322	133372
					673.0MHz	683.0MHz	688.0MHz
20MHz	QPSK	1	0	22.00	21.96	21.91	21.99
			50	22.50	22.40	22.38	22.43
			99	22.50	22.09	22.02	22.09
		50	0	21.50	21.05	21.42	21.14
			25	21.50	21.24	21.29	21.23
			50	21.50	21.12	21.24	21.18
		100	0	21.50	21.11	21.33	21.14
	16QAM	1	0	21.50	21.27	21.45	21.18
			50	22.00	21.68	21.91	21.53
			99	22.00	21.36	21.61	21.30
		50	0	20.50	20.06	20.48	20.16
			25	20.50	20.29	20.31	20.23
			50	20.50	20.12	20.24	20.18
		100	0	20.50	20.10	20.34	20.15

8.4 Wi-Fi

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
2.4g Wifi (2.4~2.4835)	802.11b	1	2412	15.05	15.50	No
		6	2437	15.20	15.50	Yes
		11	2462	15.19	15.50	No
	802.11g	1	2412	15.12	15.50	No
		6	2437	15.20	15.50	No
		11	2462	15.24	15.50	No
	802.11n(HT20)	1	2412	14.97	15.00	No
		6	2437	15.07	15.50	No
		11	2462	14.88	15.00	No
	802.11n(HT40)	1	2422	15.28	15.50	No
		6	2437	15.39	15.50	No
		11	2452	15.39	15.50	No

Note: SAR is not required for the following 2.4 GHz OFDM conditions as the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is $\leq 1.2W/kg$.

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
U-NII-1 (5.150~5.250)	802.11a	36	5180	12.70	13.00	No
		40	5200	12.25	12.50	No
		48	5240	11.30	11.50	No
	802.11n(HT20)	36	5180	12.15	12.50	No
		40	5200	12.00	12.50	No
		48	5240	11.22	11.50	No
	802.11ac(VHT20)	36	5180	12.67	13.00	No
		40	5200	12.16	12.50	No
		48	5240	11.63	12.00	No
	802.11ax(HEW20)	36	5180	12.86	13.00	No
		40	5200	12.39	12.50	No
		48	5240	11.59	12.00	No
	802.11n(HT40)	38	5190	13.02	13.50	No
		46	5230	12.20	12.50	No
	802.11ac(VHT40)	38	5190	13.05	13.50	No
		46	5230	12.29	12.50	No
	802.11ax(HEW40)	38	5190	12.82	13.00	No
		46	5230	11.81	12.00	No
	802.11ac(VHT80)	42	5210	13.48	13.50	No
	802.11ax(HEW80)	42	5210	13.90	14.00	Yes

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
U-NII-2a (5.250~5.350)	802.11a	52	5260	12.23	12.50	No
		56	5300	11.83	12.00	No
		64	5320	11.30	11.50	No
	802.11n(HT20)	52	5260	11.70	12.00	No
		56	5300	11.16	11.50	No
		64	5320	10.66	11.00	No
	802.11ac(VHT20)	52	5260	12.02	12.50	No
		56	5300	11.75	12.00	No
		64	5320	11.89	12.00	No
	802.11ax(HEW20)	52	5260	12.05	12.50	No
		56	5300	11.75	12.00	No
		64	5320	11.41	11.50	No
	802.11n(HT40)	54	5270	12.72	13.00	No
		62	5310	11.81	12.00	No
	802.11ac(VHT40)	54	5270	12.21	12.50	No
		62	5310	11.94	12.00	No
	802.11ax(HEW40)	54	5270	12.26	12.50	No
		62	5310	13.01	13.50	No
	802.11ac(VHT80)	58	5290	12.97	13.00	No
	802.11ax(HEW80)	58	5290	14.58	15.00	Yes

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
U-NII-2c (5.470~5.725)	802.11a	100	5500	11.24	11.50	No
		120	5580	12.23	12.50	No
		140	5700	9.91	10.00	No
	802.11n(HT20)	100	5500	10.81	11.00	No
		120	5580	12.39	12.50	No
		140	5700	11.17	11.50	No
	802.11ac(VHT20)	100	5500	11.76	12.00	No
		120	5580	13.65	14.00	No
		140	5700	11.09	11.50	No
	802.11ax(HEW20)	100	5500	11.96	12.00	No
		120	5580	13.28	13.50	No
		140	5700	10.52	11.00	No
	802.11n(HT40)	102	5510	12.26	12.50	No
		118	5550	11.86	12.00	No
		134	5670	12.56	13.00	No
	802.11ac(VHT40)	102	5510	11.85	12.00	No
		118	5550	11.47	11.50	No
		134	5670	12.07	12.50	No
	802.11ax(HEW40)	102	5510	12.15	12.50	No
		118	5550	11.65	12.00	No
		134	5670	12.14	12.50	No
	802.11ac(VHT80)	106	5530	12.19	12.50	No
		122	5610	13.76	14.00	No
	802.11ax(HEW80)	106	5530	12.72	13.00	No
		122	5610	14.98	15.00	Yes
	802.11ac(VHT160)	134	5570	12.10	12.50	No
	802.11ax(HEW160)	134	5570	12.61	13.00	No

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
U-NII-3 (5.725~5.850)	802.11a	149	5745	12.28	12.50	No
		157	5785	11.36	11.50	No
		165	5825	10.16	10.50	No
	802.11n(HT20)	149	5745	12.52	13.00	No
		157	5785	12.45	12.50	No
		165	5825	11.08	11.50	No
	802.11ac(VHT20)	149	5745	13.12	13.50	No
		157	5785	12.08	12.50	No
		165	5825	11.39	11.50	No
	802.11ax(HEW20)	149	5745	13.04	13.50	No
		157	5785	12.48	12.50	No
		165	5825	11.54	12.00	No
	802.11n(HT40)	151	5755	13.43	13.50	Yes
		159	5795	12.57	13.00	No
	802.11ac(VHT40)	151	5755	13.30	13.50	No
		159	5795	12.62	13.00	No
	802.11ax(HEW40)	151	5755	12.63	13.00	No
		159	5795	12.62	13.00	No
	802.11ac(VHT80)	155	5775	13.30	13.50	No
	802.11ax(HEW80)	155	5775	12.80	13.00	No

8.5 NFC

Maximum Tune-up(dBm)	Conducted Output Power(dBm)	E _{dBμV/m}
-37.50	13.56MHz	13.56MHz
	-37.87	57.33

Note: Nominal rated field strength: 57.33 dBuV/m at 3 meter. P_{dBm}=E_{dBμV/m}-95.2

Channel	Frequency (GHz)	Max. Tune-up Power (dBm)	Max. Power (mW)	Test distance (mm)	Exclusion thresholds for 1-g SAR(mW)	RF exposure evaluation required
/	0.01356	-12.00	0.063	10	443	No

8.6 Bluetooth

EDR	Mode	Maximum Tune-up(dBm)	Conducted Output Power (dBm)		
			0	39	78
	GFSK	4.00	3.50	3.62	2.98
	π/4QPSK	3.50	2.86	3.04	2.43
	8DPSK	3.50	2.89	3.07	2.45
BLE	Mode	Maximum Tune-up(dBm)	Conducted Output Power (dBm)		
			0	19	39
	1Mbps	-1.00	-1.71	-1.46	-2.07
	2Mbps	-1.00	-1.65	-1.39	-1.99

Note

- Per KDB 447498 D04 Interim General RF Exposure Guidance v01, the 1-g SAR test exclusion thresholds for 300 MHz to 6 GHz at test separation distances ≤ 40 cm are determined by:

$$P_{th} (mW) = \begin{cases} ERP_{20\text{ cm}} (d/20\text{ cm})^x & d \leq 20\text{ cm} \\ ERP_{20\text{ cm}} & 20\text{ cm} < d \leq 40\text{ cm} \end{cases} \quad (B.2)$$

where

$$P_{th} (mW) = ERP_{20\text{ cm}} (mW) = \begin{cases} 2040f & 0.3\text{ GHz} \leq f < 1.5\text{ GHz} \\ 3060 & 1.5\text{ GHz} \leq f \leq 6\text{ GHz} \end{cases} \quad (B.1)$$

$$x = -\log_{10} \left(\frac{60}{ERP_{20\text{ cm}} \sqrt{f}} \right)$$

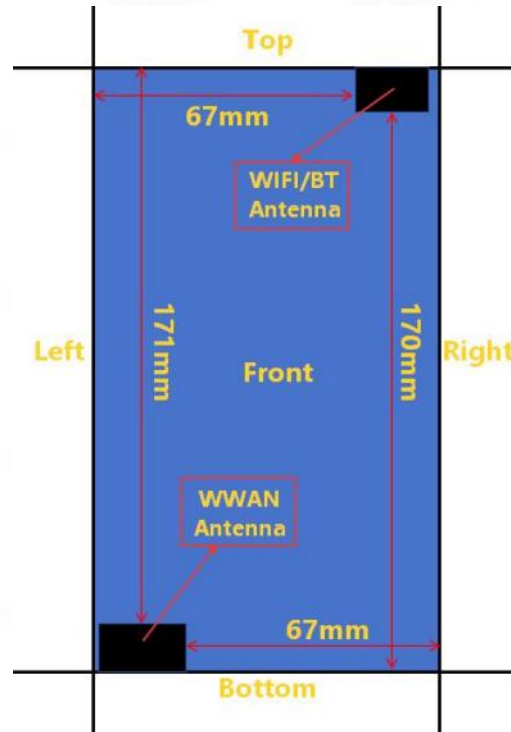
and f is in GHz, d is the separation distance (cm), and ERP_{20cm} is per Formula (B.1).

*When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine estimated SAR.

- Per KDB 248227 D01 v02r02, choose the highest output power channel to test SAR and determine further SAR exclusion.
- The output power of all data rate were prescan, just the worst case (the lowest data rate) of all mode were shown in report.

9. Test Exclusion Consideration

Antenna information:



WWAN Antenna	GSM/ WCDMA/LTE TX/RX
WLAN/BT Antenna	WLAN/BT TX/RX
Note: 1. KDB 447498 D04v01, particular DUT edges were not required to be evaluated for SAR if the antenna-to-edge distance is greater than 2.5cm. 2. Per KDB648474 D04, 10-g extremity SAR is not required when Body-Worn mode 1-g reported SAR<1.2W/Kg.	

Distance of The Antenna to the EUT surface and edge (mm)						
Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
WWAN	<25	<25	<25	67	171	<25
BT/Wifi	<25	<25	67	<25	<25	170
Positions for SAR tests: Hotspot mode						
Antenna	Front Side (mm)	Back Side (mm)	Left Edge (mm)	Right Edge (mm)	Top Edge (mm)	Bottom Edge (mm)
WWAN	Yes	Yes	Yes	No	No	Yes
BT/Wifi	Yes	Yes	No	Yes	Yes	No

9.1 SAR Test Exclusion Consideration Table

Per KDB 447498 requires when the standalone SAR test exclusion of section 4.3.1 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following format to determine simultaneous transmission SAR test exclusion:

$$(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm}) \cdot [\sqrt{f(\text{GHz})} / x]$$

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

10. Test Result

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 850 (voice)	Left Cheek	128	824.2	-1.550	0.021	100.00	1.000	31.38	31.50	1.028	0.022	/
	Left Tilt	128	824.2	2.190	0.012	100.00	1.000	31.38	31.50	1.028	0.012	/
	Right Cheek	128	824.2	-4.680	0.025	100.00	1.000	31.38	31.50	1.028	0.026	1#
	Right Tilt	128	824.2	3.290	0.016	100.00	1.000	31.38	31.50	1.028	0.016	/
Body(10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 850 (voice)	Front	128	824.2	0.090	0.085	100.00	1.000	31.38	31.50	1.028	0.087	/
	Back	128	824.2	-2.930	0.119	100.00	1.000	31.38	31.50	1.028	0.122	2#
	Left	128	824.2	-4.230	0.056	100.00	1.000	31.38	31.50	1.028	0.058	/
	Bottom	128	824.2	-1.330	0.102	100.00	1.000	31.38	31.50	1.028	0.105	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GPRS 850+3slots	Front	128	824.2	2.680	0.074	100.00	1.000	31.19	31.50	1.074	0.079	/
	Back	128	824.2	-1.070	0.106	100.00	1.000	31.19	31.50	1.074	0.114	/
	Left	128	824.2	4.410	0.048	100.00	1.000	31.19	31.50	1.074	0.052	/
	Bottom	128	824.2	3.200	0.089	100.00	1.000	31.19	31.50	1.074	0.096	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 1900 (voice)	Left Cheek	512	1850.2	-3.610	0.371	100.00	1.000	29.34	29.50	1.038	0.385	/
	Left Tilt	512	1850.2	-1.010	0.176	100.00	1.000	29.34	29.50	1.038	0.183	/
	Right Cheek	512	1850.2	-1.390	0.377	100.00	1.000	29.34	29.50	1.038	0.391	3#
	Right Tilt	512	1850.2	-2.150	0.182	100.00	1.000	29.34	29.50	1.038	0.189	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 1900 (voice)	Front	512	1850.2	-1.590	0.252	100.00	1.000	29.34	29.50	1.038	0.262	4#
	Back	512	1850.2	-3.290	0.226	100.00	1.000	29.34	29.50	1.038	0.235	/
	Left	512	1850.2	-0.790	0.202	100.00	1.000	29.34	29.50	1.038	0.210	/
	Bottom	512	1850.2	-2.360	0.178	100.00	1.000	29.34	29.50	1.038	0.185	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GPRS 1900+3slots	Front	512	1850.2	1.030	0.236	100.00	1.000	29.23	29.50	1.064	0.251	/
	Back	512	1850.2	0.720	0.215	100.00	1.000	29.23	29.50	1.064	0.229	/
	Left	512	1850.2	-1.550	0.190	100.00	1.000	29.23	29.50	1.064	0.202	/
	Bottom	512	1850.2	-3.010	0.159	100.00	1.000	29.23	29.50	1.064	0.169	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 2 (RMC*)	Left Cheek	9400	1880.0	0.080	1.023	100.00	1.000	22.21	22.50	1.069	1.094	/
	Left Tilt	9400	1880.0	-0.280	0.507	100.00	1.000	22.21	22.50	1.069	0.542	/
	Right Cheek	9262	1852.4	4.150	0.957	100.00	1.000	22.01	22.50	1.119	1.071	/
	Right Cheek	9400	1880.0	-1.790	1.040	100.00	1.000	22.21	22.50	1.069	1.112	5#
	Right Cheek-repeat	9400	1880.0	-3.050	1.033	100.00	1.000	22.21	22.50	1.069	1.104	/
	Right Cheek	9538	1907.6	-1.270	0.965	100.00	1.000	22.08	22.50	1.102	1.063	/
	Right Tilt	9400	1880.0	-2.260	0.512	100.00	1.000	22.21	22.50	1.069	0.547	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 2 (RMC*)	Front	9400	1880.0	0.210	0.643	100.00	1.000	22.21	22.50	1.069	0.687	6#
	Back	9400	1880.0	-3.930	0.608	100.00	1.000	22.21	22.50	1.069	0.650	/
	Left	9400	1880.0	1.740	0.364	100.00	1.000	22.21	22.50	1.069	0.389	/
	Bottom	9400	1880.0	2.120	0.322	100.00	1.000	22.21	22.50	1.069	0.344	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 4 (RMC*)	Left Cheek	1312	1712.4	1.310	0.560	100.00	1.000	22.21	22.50	1.069	0.599	/
	Left Tilt	1312	1712.4	3.520	0.250	100.00	1.000	22.21	22.50	1.069	0.267	/
	Right Cheek	1312	1712.4	1.580	0.566	100.00	1.000	22.21	22.50	1.069	0.605	7#
	Right Tilt	1312	1712.4	-3.250	0.256	100.00	1.000	22.21	22.50	1.069	0.274	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 4 (RMC*)	Front	1312	1712.4	-4.290	0.526	100.00	1.000	22.21	22.50	1.069	0.562	8#
	Back	1312	1712.4	3.140	0.487	100.00	1.000	22.21	22.50	1.069	0.521	/
	Left	1312	1712.4	2.020	0.336	100.00	1.000	22.21	22.50	1.069	0.359	/
	Bottom	1312	1712.4	2.810	0.320	100.00	1.000	22.21	22.50	1.069	0.342	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 5 (RMC*)	Left Cheek	4132	826.4	-2.760	0.048	100.00	1.000	22.81	23.00	1.045	0.050	/
	Left Tilt	4132	826.4	-0.610	0.021	100.00	1.000	22.81	23.00	1.045	0.022	/
	Right Cheek	4132	826.4	-3.250	0.053	100.00	1.000	22.81	23.00	1.045	0.055	9#
	Right Tilt	4132	826.4	-1.500	0.027	100.00	1.000	22.81	23.00	1.045	0.028	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 5 (RMC*)	Front	4132	826.4	3.860	0.040	100.00	1.000	22.81	23.00	1.045	0.042	/
	Back	4132	826.4	-1.040	0.057	100.00	1.000	22.81	23.00	1.045	0.060	10#
	Left	4132	826.4	-0.880	0.033	100.00	1.000	22.81	23.00	1.045	0.034	/
	Bottom	4132	826.4	1.370	0.049	100.00	1.000	22.81	23.00	1.045	0.051	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 2 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	-1.650	0.716	100.00	1.000	21.68	22.00	1.076	0.770	/
		Left Tilt	19100	1900.0	-3.260	0.346	100.00	1.000	21.68	22.00	1.076	0.372	/
		Right Cheek	19100	1900.0	-0.260	0.722	100.00	1.000	21.68	22.00	1.076	0.777	11#
		Right Tilt	19100	1900.0	-0.390	0.354	100.00	1.000	21.68	22.00	1.076	0.381	/
	50%RB	Left Cheek	19100	1900.0	3.150	0.670	100.00	1.000	20.48	20.50	1.005	0.673	/
		Left Tilt	19100	1900.0	2.740	0.313	100.00	1.000	20.48	20.50	1.005	0.315	/
		Right Cheek	19100	1900.0	-3.240	0.678	100.00	1.000	20.48	20.50	1.005	0.681	/
		Right Tilt	19100	1900.0	-0.640	0.320	100.00	1.000	20.48	20.50	1.005	0.322	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 2 (BW: 20MHz)	1RB	Front	19100	1900.0	-0.450	0.535	100.00	1.000	21.68	22.00	1.076	0.576	12#
		Back	19100	1900.0	2.610	0.489	100.00	1.000	21.68	22.00	1.076	0.526	/
		Left	19100	1900.0	-3.300	0.367	100.00	1.000	21.68	22.00	1.076	0.395	/
		Bottom	19100	1900.0	-3.880	0.331	100.00	1.000	21.68	22.00	1.076	0.356	/
	50%RB	Front	19100	1900.0	-0.330	0.501	100.00	1.000	20.48	20.50	1.005	0.504	/
		Back	19100	1900.0	3.190	0.450	100.00	1.000	20.48	20.50	1.005	0.452	/
		Left	19100	1900.0	-0.680	0.332	100.00	1.000	20.48	20.50	1.005	0.334	/
		Bottom	19100	1900.0	-4.050	0.305	100.00	1.000	20.48	20.50	1.005	0.307	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 4 (BW: 20MHz)	1RB	Left Cheek	20050	1720.0	-1.370	0.289	100.00	1.000	21.83	22.00	1.040	0.301	/
		Left Tilt	20050	1720.0	4.200	0.140	100.00	1.000	21.83	22.00	1.040	0.146	/
		Right Cheek	20050	1720.0	-2.470	0.295	100.00	1.000	21.83	22.00	1.040	0.307	13#
		Right Tilt	20050	1720.0	2.860	0.145	100.00	1.000	21.83	22.00	1.040	0.151	/
	50%RB	Left Cheek	20050	1720.0	4.160	0.263	100.00	1.000	20.67	21.00	1.079	0.284	/
		Left Tilt	20050	1720.0	-0.430	0.127	100.00	1.000	20.67	21.00	1.079	0.137	/
		Right Cheek	20050	1720.0	1.540	0.270	100.00	1.000	20.67	21.00	1.079	0.291	/
		Right Tilt	20050	1720.0	-1.580	0.132	100.00	1.000	20.67	21.00	1.079	0.142	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 4 (BW: 20MHz)	1RB	Front	20050	1720.0	-1.910	0.415	100.00	1.000	21.83	22.00	1.040	0.432	14#
		Back	20050	1720.0	0.590	0.367	100.00	1.000	21.83	22.00	1.040	0.382	/
		Left	20050	1720.0	4.570	0.256	100.00	1.000	21.83	22.00	1.040	0.266	/
		Bottom	20050	1720.0	2.360	0.228	100.00	1.000	21.83	22.00	1.040	0.237	/
	50%RB	Front	20050	1720.0	1.690	0.389	100.00	1.000	20.67	21.00	1.079	0.420	/
		Back	20050	1720.0	2.130	0.335	100.00	1.000	20.67	21.00	1.079	0.361	/
		Left	20050	1720.0	-3.500	0.230	100.00	1.000	20.67	21.00	1.079	0.248	/
		Bottom	20050	1720.0	1.680	0.192	100.00	1.000	20.67	21.00	1.079	0.207	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 5 (BW: 10MHz)	1RB	Left Cheek	20450	829.0	-4.090	0.023	100.00	1.000	22.59	23.00	1.099	0.025	/
		Left Tilt	20450	829.0	-3.370	0.011	100.00	1.000	22.59	23.00	1.099	0.012	/
		Right Cheek	20450	829.0	-3.340	0.029	100.00	1.000	22.59	23.00	1.099	0.032	15#
		Right Tilt	20450	829.0	-4.010	0.016	100.00	1.000	22.59	23.00	1.099	0.018	/
	50%RB	Left Cheek	20450	829.0	-2.460	0.016	100.00	1.000	21.36	21.50	1.033	0.017	/
		Left Tilt	20450	829.0	-0.470	0.008	100.00	1.000	21.36	21.50	1.033	0.008	/
		Right Cheek	20450	829.0	-1.980	0.020	100.00	1.000	21.36	21.50	1.033	0.021	/
		Right Tilt	20450	829.0	-1.180	0.012	100.00	1.000	21.36	21.50	1.033	0.012	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 5 (BW: 10MHz)	1RB	Front	20450	829.0	-3.710	0.030	100.00	1.000	22.59	23.00	1.099	0.033	/
		Back	20450	829.0	3.280	0.047	100.00	1.000	22.59	23.00	1.099	0.052	16#
		Left	20450	829.0	-3.990	0.036	100.00	1.000	22.59	23.00	1.099	0.040	/
		Bottom	20450	829.0	1.330	0.042	100.00	1.000	22.59	23.00	1.099	0.046	/
	50%RB	Front	20450	829.0	-1.180	0.016	100.00	1.000	21.36	21.50	1.033	0.017	/
		Back	20450	829.0	-3.810	0.034	100.00	1.000	21.36	21.50	1.033	0.035	/
		Left	20450	829.0	3.260	0.022	100.00	1.000	21.36	21.50	1.033	0.023	/
		Bottom	20450	829.0	2.200	0.029	100.00	1.000	21.36	21.50	1.033	0.030	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 7 (BW: 20MHz)	1RB	Left Cheek	21350	2560.0	3.050	0.048	100.00	1.000	21.47	21.50	1.007	0.048	/
		Left Tilt	21350	2560.0	-0.840	0.023	100.00	1.000	21.47	21.50	1.007	0.023	/
		Right Cheek	21350	2560.0	-2.690	0.051	100.00	1.000	21.47	21.50	1.007	0.051	17#
		Right Tilt	21350	2560.0	2.810	0.027	100.00	1.000	21.47	21.50	1.007	0.027	/
	50%RB	Left Cheek	21350	2560.0	3.900	0.037	100.00	1.000	20.32	20.50	1.042	0.039	/
		Left Tilt	21350	2560.0	-1.580	0.015	100.00	1.000	20.32	20.50	1.042	0.016	/
		Right Cheek	21350	2560.0	-2.060	0.042	100.00	1.000	20.32	20.50	1.042	0.044	/
		Right Tilt	21350	2560.0	-4.150	0.020	100.00	1.000	20.32	20.50	1.042	0.021	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 7 (BW: 20MHz)	1RB	Front	21350	2560.0	-1.720	0.306	100.00	1.000	21.47	21.50	1.007	0.308	18#
		Back	21350	2560.0	3.600	0.267	100.00	1.000	21.47	21.50	1.007	0.269	/
		Left	21350	2560.0	2.120	0.230	100.00	1.000	21.47	21.50	1.007	0.232	/
		Bottom	21350	2560.0	1.060	0.193	100.00	1.000	21.47	21.50	1.007	0.194	/
	50%RB	Front	21350	2560.0	-0.650	0.285	100.00	1.000	20.32	20.50	1.042	0.297	/
		Back	21350	2560.0	-3.230	0.234	100.00	1.000	20.32	20.50	1.042	0.244	/
		Left	21350	2560.0	-4.450	0.204	100.00	1.000	20.32	20.50	1.042	0.213	/
		Bottom	21350	2560.0	-0.270	0.166	100.00	1.000	20.32	20.50	1.042	0.173	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 12 (BW: 10MHz)	1RB	Left Cheek	23060	704.0	-2.320	0.080	100.00	1.000	22.66	23.00	1.081	0.086	/
		Left Tilt	23060	704.0	-1.620	0.045	100.00	1.000	22.66	23.00	1.081	0.049	/
		Right Cheek	23060	704.0	-2.810	0.084	100.00	1.000	22.66	23.00	1.081	0.091	19#
		Right Tilt	23060	704.0	0.190	0.049	100.00	1.000	22.66	23.00	1.081	0.053	/
	50%RB	Left Cheek	23060	704.0	0.130	0.068	100.00	1.000	21.59	22.00	1.099	0.075	/
		Left Tilt	23060	704.0	1.850	0.031	100.00	1.000	21.59	22.00	1.099	0.034	/
		Right Cheek	23060	704.0	-2.660	0.072	100.00	1.000	21.59	22.00	1.099	0.079	/
		Right Tilt	23060	704.0	-0.880	0.036	100.00	1.000	21.59	22.00	1.099	0.040	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 12 (BW: 10MHz)	1RB	Front	23060	704.0	0.650	0.025	100.00	1.000	22.66	23.00	1.081	0.027	/
		Back	23060	704.0	-1.610	0.033	100.00	1.000	22.66	23.00	1.081	0.036	20#
		Left	23060	704.0	2.210	0.020	100.00	1.000	22.66	23.00	1.081	0.022	/
		Bottom	23060	704.0	2.040	0.028	100.00	1.000	22.66	23.00	1.081	0.030	/
	50%RB	Front	23060	704.0	-4.760	0.016	100.00	1.000	21.59	22.00	1.099	0.018	/
		Back	23060	704.0	1.910	0.029	100.00	1.000	21.59	22.00	1.099	0.032	/
		Left	23060	704.0	-0.620	0.014	100.00	1.000	21.59	22.00	1.099	0.015	/
		Bottom	23060	704.0	-4.860	0.022	100.00	1.000	21.59	22.00	1.099	0.024	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 13 (BW: 10MHz)	1RB	Left Cheek	23230	782.0	-3.730	0.053	100.00	1.000	22.74	23.00	1.062	0.056	/
		Left Tilt	23230	782.0	-1.670	0.028	100.00	1.000	22.74	23.00	1.062	0.030	/
		Right Cheek	23230	782.0	3.700	0.060	100.00	1.000	22.74	23.00	1.062	0.064	21#
		Right Tilt	23230	782.0	1.140	0.032	100.00	1.000	22.74	23.00	1.062	0.034	/
	50%RB	Left Cheek	23230	782.0	0.710	0.046	100.00	1.000	21.71	22.00	1.069	0.049	/
		Left Tilt	23230	782.0	0.460	0.021	100.00	1.000	21.71	22.00	1.069	0.022	/
		Right Cheek	23230	782.0	4.940	0.050	100.00	1.000	21.71	22.00	1.069	0.053	/
		Right Tilt	23230	782.0	-1.580	0.025	100.00	1.000	21.71	22.00	1.069	0.027	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 13 (BW: 10MHz)	1RB	Front	23230	782.0	3.260	0.033	100.00	1.000	22.74	23.00	1.062	0.035	/
		Back	23230	782.0	0.840	0.058	100.00	1.000	22.74	23.00	1.062	0.062	22#
		Left	23230	782.0	-3.000	0.044	100.00	1.000	22.74	23.00	1.062	0.047	/
		Bottom	23230	782.0	2.040	0.050	100.00	1.000	22.74	23.00	1.062	0.053	/
	50%RB	Front	23230	782.0	-4.610	0.024	100.00	1.000	21.71	22.00	1.069	0.026	/
		Back	23230	782.0	3.340	0.050	100.00	1.000	21.71	22.00	1.069	0.053	/
		Left	23230	782.0	-2.930	0.039	100.00	1.000	21.71	22.00	1.069	0.042	/
		Bottom	23230	782.0	3.920	0.043	100.00	1.000	21.71	22.00	1.069	0.046	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 17 (BW: 10MHz)	1RB	Left Cheek	23780	709.0	1.790	0.066	100.00	1.000	22.65	23.00	1.084	0.072	/
		Left Tilt	23780	709.0	-2.020	0.031	100.00	1.000	22.65	23.00	1.084	0.034	/
		Right Cheek	23780	709.0	-0.880	0.070	100.00	1.000	22.65	23.00	1.084	0.076	23#
		Right Tilt	23780	709.0	3.170	0.036	100.00	1.000	22.65	23.00	1.084	0.039	/
	50%RB	Left Cheek	23780	709.0	4.670	0.058	100.00	1.000	21.45	21.50	1.012	0.059	/
		Left Tilt	23780	709.0	0.070	0.025	100.00	1.000	21.45	21.50	1.012	0.025	/
		Right Cheek	23780	709.0	-2.510	0.062	100.00	1.000	21.45	21.50	1.012	0.063	/
		Right Tilt	23780	709.0	-3.460	0.030	100.00	1.000	21.45	21.50	1.012	0.030	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 17 (BW: 10MHz)	1RB	Front	23780	709.0	2.920	0.040	100.00	1.000	22.65	23.00	1.084	0.043	/
		Back	23780	709.0	3.210	0.078	100.00	1.000	22.65	23.00	1.084	0.085	24#
		Left	23780	709.0	-1.030	0.055	100.00	1.000	22.65	23.00	1.084	0.060	/
		Bottom	23780	709.0	4.170	0.068	100.00	1.000	22.65	23.00	1.084	0.074	/
	50%RB	Front	23780	709.0	4.270	0.036	100.00	1.000	21.45	21.50	1.012	0.036	/
		Back	23780	709.0	1.430	0.070	100.00	1.000	21.45	21.50	1.012	0.071	/
		Left	23780	709.0	-3.090	0.046	100.00	1.000	21.45	21.50	1.012	0.047	/
		Bottom	23780	709.0	-4.220	0.061	100.00	1.000	21.45	21.50	1.012	0.062	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 25 (BW:20MHz)	1RB	Left Cheek	26590	1905.0	-2.400	0.431	100.00	1.000	21.79	22.00	1.050	0.453	/
		Left Tilt	26590	1905.0	-0.100	0.220	100.00	1.000	21.79	22.00	1.050	0.231	/
		Right Cheek	26590	1905.0	-0.870	0.436	100.00	1.000	21.79	22.00	1.050	0.458	25#
		Right Tilt	26590	1905.0	-2.470	0.225	100.00	1.000	21.79	22.00	1.050	0.236	/
	50%RB	Left Cheek	26590	1905.0	0.670	0.395	100.00	1.000	20.74	21.00	1.062	0.419	/
		Left Tilt	26590	1905.0	4.220	0.196	100.00	1.000	20.74	21.00	1.062	0.208	/
		Right Cheek	26590	1905.0	3.600	0.401	100.00	1.000	20.74	21.00	1.062	0.426	/
		Right Tilt	26590	1905.0	-0.560	0.203	100.00	1.000	20.74	21.00	1.062	0.216	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 25 (BW: 20MHz)	1RB	Front	26590	1905.0	4.960	0.590	100.00	1.000	21.79	22.00	1.050	0.620	26#
		Back	26590	1905.0	-3.500	0.532	100.00	1.000	21.79	22.00	1.050	0.559	/
		Left	26590	1905.0	3.710	0.366	100.00	1.000	21.79	22.00	1.050	0.384	/
		Bottom	26590	1905.0	-2.930	0.332	100.00	1.000	21.79	22.00	1.050	0.349	/
	50%RB	Front	26590	1905.0	-2.610	0.560	100.00	1.000	20.74	21.00	1.062	0.595	/
		Back	26590	1905.0	4.020	0.503	100.00	1.000	20.74	21.00	1.062	0.534	/
		Left	26590	1905.0	-0.710	0.323	100.00	1.000	20.74	21.00	1.062	0.343	/
		Bottom	26590	1905.0	1.590	0.285	100.00	1.000	20.74	21.00	1.062	0.303	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 90 (BW:10MHz)	1RB	Left Cheek	26740	819.0	1.350	0.024	100.00	1.000	22.59	23.00	1.099	0.026	/
		Left Tilt	26740	819.0	-4.790	0.011	100.00	1.000	22.59	23.00	1.099	0.012	/
		Right Cheek	26740	819.0	-3.030	0.027	100.00	1.000	22.59	23.00	1.099	0.030	27#
		Right Tilt	26740	819.0	-1.550	0.015	100.00	1.000	22.59	23.00	1.099	0.016	/
	50%RB	Left Cheek	26740	819.0	-1.240	0.016	100.00	1.000	21.53	22.00	1.114	0.018	/
		Left Tilt	26740	819.0	-1.420	0.008	100.00	1.000	21.53	22.00	1.114	0.009	/
		Right Cheek	26740	819.0	1.640	0.020	100.00	1.000	21.53	22.00	1.114	0.022	/
		Right Tilt	26740	819.0	-0.520	0.011	100.00	1.000	21.53	22.00	1.114	0.012	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 90 (BW: 10MHz)	1RB	Front	26740	819.0	-2.710	0.020	100.00	1.000	22.59	23.00	1.099	0.022	/
		Back	26740	819.0	-1.450	0.038	100.00	1.000	22.59	23.00	1.099	0.042	28#
		Left	26740	819.0	1.900	0.025	100.00	1.000	22.59	23.00	1.099	0.027	/
		Bottom	26740	819.0	-1.220	0.030	100.00	1.000	22.59	23.00	1.099	0.033	/
	50%RB	Front	26740	819.0	-2.630	0.014	100.00	1.000	21.53	22.00	1.114	0.016	/
		Back	26740	819.0	-3.540	0.029	100.00	1.000	21.53	22.00	1.114	0.032	/
		Left	26740	819.0	2.670	0.019	100.00	1.000	21.53	22.00	1.114	0.021	/
		Bottom	26740	819.0	0.700	0.024	100.00	1.000	21.53	22.00	1.114	0.027	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 22 (BW:15MHz)	1RB	Left Cheek	26915	836.5	3.050	0.025	100.00	1.000	21.79	22.00	1.050	0.026	/
		Left Tilt	26915	836.5	-0.120	0.012	100.00	1.000	21.79	22.00	1.050	0.013	/
		Right Cheek	26915	836.5	1.670	0.031	100.00	1.000	21.79	22.00	1.050	0.033	29#
		Right Tilt	26915	836.5	-1.560	0.018	100.00	1.000	21.79	22.00	1.050	0.019	/
	50%RB	Left Cheek	26915	836.5	-1.740	0.019	100.00	1.000	20.91	21.00	1.021	0.019	/
		Left Tilt	26915	836.5	4.040	0.008	100.00	1.000	20.91	21.00	1.021	0.008	/
		Right Cheek	26915	836.5	-2.730	0.025	100.00	1.000	20.91	21.00	1.021	0.026	/
		Right Tilt	26915	836.5	3.060	0.012	100.00	1.000	20.91	21.00	1.021	0.012	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 22 (BW: 15MHz)	1RB	Front	26915	836.5	1.330	0.020	100.00	1.000	21.79	22.00	1.050	0.021	/
		Back	26915	836.5	-1.220	0.042	100.00	1.000	21.79	22.00	1.050	0.044	30#
		Left	26915	836.5	-3.010	0.031	100.00	1.000	21.79	22.00	1.050	0.033	/
		Bottom	26915	836.5	3.860	0.037	100.00	1.000	21.79	22.00	1.050	0.039	/
	50%RB	Front	26915	836.5	0.190	0.015	100.00	1.000	20.91	21.00	1.021	0.015	/
		Back	26915	836.5	-3.390	0.033	100.00	1.000	20.91	21.00	1.021	0.034	/
		Left	26915	836.5	3.690	0.022	100.00	1.000	20.91	21.00	1.021	0.022	/
		Bottom	26915	836.5	4.720	0.029	100.00	1.000	20.91	21.00	1.021	0.030	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 38 (BW: 20MHz)	1RB	Left Cheek	38000	2595.0	4.620	0.360	100.00	1.000	21.37	21.50	1.030	0.371	/
		Left Tilt	38000	2595.0	-2.560	0.181	100.00	1.000	21.37	21.50	1.030	0.186	/
		Right Cheek	38000	2595.0	-1.340	0.367	100.00	1.000	21.37	21.50	1.030	0.378	31#
		Right Tilt	38000	2595.0	0.330	0.189	100.00	1.000	21.37	21.50	1.030	0.195	/
	50%RB	Left Cheek	38000	2595.0	3.060	0.323	100.00	1.000	20.17	20.50	1.079	0.349	/
		Left Tilt	38000	2595.0	2.500	0.150	100.00	1.000	20.17	20.50	1.079	0.162	/
		Right Cheek	38000	2595.0	1.810	0.330	100.00	1.000	20.17	20.50	1.079	0.356	/
		Right Tilt	38000	2595.0	2.110	0.155	100.00	1.000	20.17	20.50	1.079	0.167	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 38 (BW: 20MHz)	1RB	Front	38000	2595.0	-0.290	0.182	100.00	1.000	21.37	21.50	1.030	0.187	32#
		Back	38000	2595.0	3.260	0.150	100.00	1.000	21.37	21.50	1.030	0.155	/
		Left	38000	2595.0	-4.250	0.122	100.00	1.000	21.37	21.50	1.030	0.126	/
		Bottom	38000	2595.0	-1.180	0.102	100.00	1.000	21.37	21.50	1.030	0.105	/
	50%RB	Front	38000	2595.0	-0.580	0.168	100.00	1.000	20.17	20.50	1.079	0.181	/
		Back	38000	2595.0	2.450	0.136	100.00	1.000	20.17	20.50	1.079	0.147	/
		Left	38000	2595.0	3.210	0.108	100.00	1.000	20.17	20.50	1.079	0.117	/
		Bottom	38000	2595.0	1.080	0.088	100.00	1.000	20.17	20.50	1.079	0.095	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 41 (BW: 20MHz)	1RB	Left Cheek	41490	2680.0	-3.570	0.430	100.00	1.000	22.91	23.00	1.021	0.439	/
		Left Tilt	41490	2680.0	1.440	0.242	100.00	1.000	22.91	23.00	1.021	0.247	/
		Right Cheek	41490	2680.0	-2.480	0.436	100.00	1.000	22.91	23.00	1.021	0.445	33#
		Right Tilt	41490	2680.0	0.880	0.250	100.00	1.000	22.91	23.00	1.021	0.255	/
	50%RB	Left Cheek	41490	2680.0	2.140	0.389	100.00	1.000	21.73	22.00	1.064	0.414	/
		Left Tilt	41490	2680.0	-4.610	0.200	100.00	1.000	21.73	22.00	1.064	0.213	/
		Right Cheek	41490	2680.0	-3.220	0.400	100.00	1.000	21.73	22.00	1.064	0.426	/
		Right Tilt	41490	2680.0	1.050	0.206	100.00	1.000	21.73	22.00	1.064	0.219	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 41 (BW: 20MHz)	1RB	Front	41490	2680.0	-3.570	0.148	100.00	1.000	22.91	23.00	1.021	0.151	34#
		Back	41490	2680.0	2.540	0.125	100.00	1.000	22.91	23.00	1.021	0.128	/
		Left	41490	2680.0	-0.640	0.100	100.00	1.000	22.91	23.00	1.021	0.102	/
		Bottom	41490	2680.0	-1.120	0.085	100.00	1.000	22.91	23.00	1.021	0.087	/
	50%RB	Front	41490	2680.0	3.090	0.133	100.00	1.000	21.73	22.00	1.064	0.142	/
		Back	41490	2680.0	4.440	0.114	100.00	1.000	21.73	22.00	1.064	0.121	/
		Left	41490	2680.0	-4.630	0.090	100.00	1.000	21.73	22.00	1.064	0.096	/
		Bottom	41490	2680.0	2.320	0.071	100.00	1.000	21.73	22.00	1.064	0.076	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 66 (BW: 20MHz)	1RB	Left Cheek	132072	1720.0	-0.100	0.385	100.00	1.000	21.61	22.00	1.094	0.421	/
		Left Tilt	132072	1720.0	-1.790	0.180	100.00	1.000	21.61	22.00	1.094	0.197	/
		Right Cheek	132072	1720.0	2.860	0.393	100.00	1.000	21.61	22.00	1.094	0.430	35#
		Right Tilt	132072	1720.0	4.090	0.187	100.00	1.000	21.61	22.00	1.094	0.205	/
	50%RB	Left Cheek	132072	1720.0	-1.570	0.349	100.00	1.000	20.53	21.00	1.114	0.389	/
		Left Tilt	132072	1720.0	1.950	0.150	100.00	1.000	20.53	21.00	1.114	0.167	/
		Right Cheek	132072	1720.0	4.720	0.355	100.00	1.000	20.53	21.00	1.114	0.395	/
		Right Tilt	132072	1720.0	1.870	0.156	100.00	1.000	20.53	21.00	1.114	0.174	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 66 (BW: 20MHz)	1RB	Front	132072	1720.0	3.900	0.321	100.00	1.000	21.61	22.00	1.094	0.351	36#
		Back	132072	1720.0	-1.350	0.288	100.00	1.000	21.61	22.00	1.094	0.315	/
		Left	132072	1720.0	2.070	0.251	100.00	1.000	21.61	22.00	1.094	0.275	/
		Bottom	132072	1720.0	-3.420	0.225	100.00	1.000	21.61	22.00	1.094	0.246	/
	50%RB	Front	132072	1720.0	-1.970	0.294	100.00	1.000	20.53	21.00	1.114	0.328	/
		Back	132072	1720.0	1.620	0.250	100.00	1.000	20.53	21.00	1.114	0.279	/
		Left	132072	1720.0	1.680	0.233	100.00	1.000	20.53	21.00	1.114	0.260	/
		Bottom	132072	1720.0	0.640	0.200	100.00	1.000	20.53	21.00	1.114	0.223	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 71 (BW: 20MHz)	1RB	Left Cheek	133322	683.0	-3.870	0.053	100.00	1.000	22.43	22.50	1.016	0.054	/
		Left Tilt	133322	683.0	1.490	0.029	100.00	1.000	22.43	22.50	1.016	0.029	/
		Right Cheek	133322	683.0	-3.570	0.059	100.00	1.000	22.43	22.50	1.016	0.060	37#
		Right Tilt	133322	683.0	1.990	0.033	100.00	1.000	22.43	22.50	1.016	0.034	/
	50%RB	Left Cheek	133322	683.0	-0.990	0.046	100.00	1.000	21.23	21.50	1.064	0.049	/
		Left Tilt	133322	683.0	-4.740	0.022	100.00	1.000	21.23	21.50	1.064	0.023	/
		Right Cheek	133322	683.0	-3.280	0.050	100.00	1.000	21.23	21.50	1.064	0.053	/
		Right Tilt	133322	683.0	0.890	0.027	100.00	1.000	21.23	21.50	1.064	0.029	/
Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 71 (BW: 20MHz)	1RB	Front	133322	683.0	-3.850	0.030	100.00	1.000	22.43	22.50	1.016	0.030	/
		Back	133322	683.0	-2.990	0.038	100.00	1.000	22.43	22.50	1.016	0.039	38#
		Left	133322	683.0	-0.290	0.025	100.00	1.000	22.43	22.50	1.016	0.025	/
		Bottom	133322	683.0	-0.430	0.031	100.00	1.000	22.43	22.50	1.016	0.031	/
	50%RB	Front	133322	683.0	1.840	0.023	100.00	1.000	21.23	21.50	1.064	0.024	/
		Back	133322	683.0	-2.780	0.030	100.00	1.000	21.23	21.50	1.064	0.032	/
		Left	133322	683.0	-2.410	0.018	100.00	1.000	21.23	21.50	1.064	0.019	/
		Bottom	133322	683.0	3.890	0.025	100.00	1.000	21.23	21.50	1.064	0.027	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
2.4g (2.4~2.4835) 802.11b	Left Cheek	6	2437	1.620	0.303	100.00	1.000	15.20	15.50	1.072	0.325	/
	Left Tilt	6	2437	2.580	0.152	100.00	1.000	15.20	15.50	1.072	0.163	/
	Right Cheek	6	2437	-2.110	0.310	100.00	1.000	15.20	15.50	1.072	0.332	39#
	Right Tilt	6	2437	0.550	0.159	100.00	1.000	15.20	15.50	1.072	0.170	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
2.4g (2.4~2.4835) 802.11b	Front	6	2437	-0.570	0.078	100.00	1.000	15.20	15.50	1.072	0.084	/
	Back	6	2437	3.420	0.101	100.00	1.000	15.20	15.50	1.072	0.108	40#
	Right	6	2437	3.110	0.056	100.00	1.000	15.20	15.50	1.072	0.060	/
	Top	6	2437	0.150	0.095	100.00	1.000	15.20	15.50	1.072	0.102	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-1 (5.150~5.250) 802.11ax(HEW80)	Left Cheek	42	5210	2.310	0.266	100.00	1.000	13.90	14.00	1.023	0.272	/
	Left Tilt	42	5210	-1.530	0.128	100.00	1.000	13.90	14.00	1.023	0.131	/
	Right Cheek	42	5210	4.510	0.272	100.00	1.000	13.90	14.00	1.023	0.278	41#
	Right Tilt	42	5210	0.690	0.134	100.00	1.000	13.90	14.00	1.023	0.137	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-1 (5.150~5.250) 802.11ax(HEW80)	Front	42	5210	-2.220	0.112	100.00	1.000	13.90	14.00	1.023	0.115	/
	Back	42	5210	3.040	0.155	100.00	1.000	13.90	14.00	1.023	0.159	42#
	Right	42	5210	0.370	0.095	100.00	1.000	13.90	14.00	1.023	0.097	/
	Top	42	5210	-1.190	0.130	100.00	1.000	13.90	14.00	1.023	0.133	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-2a (5.250~5.350) 802.11ax(HEVW80)	Left Cheek	58	5290	3.280	0.253	100.00	1.000	14.58	15.00	1.102	0.279	/
	Left Tilt	58	5290	-4.450	0.130	100.00	1.000	14.58	15.00	1.102	0.143	/
	Right Cheek	58	5290	2.370	0.261	100.00	1.000	14.58	15.00	1.102	0.288	43#
	Right Tilt	58	5290	-1.910	0.136	100.00	1.000	14.58	15.00	1.102	0.150	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-2a (5.250~5.350) 802.11ax(HEVW80)	Front	58	5290	2.170	0.106	100.00	1.000	14.58	15.00	1.102	0.117	/
	Back	58	5290	1.410	0.147	100.00	1.000	14.58	15.00	1.102	0.162	44#
	Right	58	5290	-0.320	0.086	100.00	1.000	14.58	15.00	1.102	0.095	/
	Top	58	5290	2.180	0.121	100.00	1.000	14.58	15.00	1.102	0.133	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-2c (5.470~5.725) 802.11ax(HEVW80)	Left Cheek	122	5610	4.620	0.178	100.00	1.000	14.98	15.00	1.005	0.179	/
	Left Tilt	122	5610	-3.290	0.092	100.00	1.000	14.98	15.00	1.005	0.092	/
	Right Cheek	122	5610	2.800	0.183	100.00	1.000	14.98	15.00	1.005	0.184	45#
	Right Tilt	122	5610	-1.200	0.098	100.00	1.000	14.98	15.00	1.005	0.098	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-2c (5.470~5.725) 802.11ax(HEVW80)	Front	122	5610	3.300	0.066	100.00	1.000	14.98	15.00	1.005	0.066	/
	Back	122	5610	2.930	0.100	100.00	1.000	14.98	15.00	1.005	0.101	46#
	Right	122	5610	-2.050	0.077	100.00	1.000	14.98	15.00	1.005	0.077	/
	Top	122	5610	1.940	0.089	100.00	1.000	14.98	15.00	1.005	0.089	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-3 (5.725~5.850) 802.11n(HT40)	Left Cheek	151	5755	3.470	0.355	100.00	1.000	13.43	13.50	1.016	0.361	/
	Left Tilt	151	5755	-0.820	0.182	100.00	1.000	13.43	13.50	1.016	0.185	/
	Right Cheek	151	5755	2.820	0.363	100.00	1.000	13.43	13.50	1.016	0.369	47#
	Right Tilt	151	5755	2.110	0.189	100.00	1.000	13.43	13.50	1.016	0.192	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-3 (5.725~5.850) 802.11n(HT40)	Front	151	5755	3.870	0.092	100.00	1.000	13.43	13.50	1.016	0.093	/
	Back	151	5755	-2.410	0.131	100.00	1.000	13.43	13.50	1.016	0.133	48#
	Right	151	5755	-4.080	0.075	100.00	1.000	13.43	13.50	1.016	0.076	/
	Top	151	5755	-1.000	0.116	100.00	1.000	13.43	13.50	1.016	0.118	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Bluetooth	Left Cheek	39	2441	2.370	0.019	100.00	1.000	3.62	4.00	1.091	0.021	/
	Left Tilt	39	2441	-1.910	0.010	100.00	1.000	3.62	4.00	1.091	0.011	/
	Right Cheek	39	2441	-2.790	0.022	100.00	1.000	3.62	4.00	1.091	0.024	49#
	Right Tilt	39	2441	2.130	0.013	100.00	1.000	3.62	4.00	1.091	0.014	/
Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Bluetooth	Front	39	2441	3.610	0.003	100.00	1.000	3.62	4.00	1.091	0.003	/
	Back	39	2441	-4.170	0.006	100.00	1.000	3.62	4.00	1.091	0.007	50#
	Right	39	2441	-1.870	0.002	100.00	1.000	3.62	4.00	1.091	0.002	/
	Top	39	2441	-3.790	0.004	100.00	1.000	3.62	4.00	1.091	0.004	/

Note:

- The maximum SAR Value of each test band is marked bold.
- SAR plot is provided only for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination.
- Per KDB 447498 D04 v01, for each exposure position, if the highest output power channel Reported SAR ≤ 0.8 W/kg, other channels SAR testing is not necessary.
- Per KDB 447498 D04 v01, head/body-worn use is evaluated with the device positioned at 0mm/10 mm from a head/flat phantom respectively filled with head tissue-equivalent medium.
- Per KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.
- Per KDB 447498 D04 v01, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor = $10^{[(\text{tune-up limit power (dBm)} - \text{Ave. power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
Reported SAR(W/kg) = Measured SAR (W/kg) * Scaling Factor.

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11. SAR Measurement Variability

According to KDB 865664 D01, SAR measurement variability was assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media are required for SAR measurements in a frequency band, the variability measurement procedures should be applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. Alternatively, if the highest measured SAR for both head and body tissue-equivalent media are ≤ 1.45 W/kg and the ratio of these highest SAR values, i.e., largest divided by smallest value, is ≤ 1.10 , the highest SAR configuration for either head or body tissue-equivalent medium may be used to perform the repeated measurement. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. 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, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Note: For 1g SAR, the highest measured 1g SAR is $1.091 > 0.80$ W/kg, repeated measurement is as below.

Mode	Position	Ch.	Freq. (MHz)	1g Meas SAR (W/kg)	the ratio of largest to smallest SAR for the original and first repeated measurements
WCDMA Band 2	Right Cheek	9400	1880.0	1.040	1.007
	Right Cheek-repeat	9400	1880.0	1.033	

12. Simultaneous Transmission

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. When the sum of SAR 1g of all simultaneously transmitting antennas in an operating mode and exposure condition combination is within the SAR limit (SAR 1g 1.6 W/kg), the simultaneous transmission SAR is not required. When the sum of SAR 1g is greater than the SAR limit (SAR 1g 1.6 W/kg), SAR test exclusion is determined by the SAR to Peak Location Ratio (SPLSR).

12.1 Simultaneous Transmission Mode Considerations

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. The device has 2 Tx antennas, WWAN main antenna, Wifi/BT antenna supports 2.4G WIFI and BT. The 2 antennas can always transmit simultaneously. The work mode combination is showed as below table.

Application Simultaneous Transmission information:

NO.	Configuration	Head	Body-worn
1	WWAN+WIFI(2.4g)	Yes	Yes
2	WWAN+WIFI(5g)	Yes	Yes
3	WWAN+BT	Yes	Yes

12.2 Sum SAR of Simultaneous Transmission

Head

Band	Test Position	Scaled				Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5.8G	Σ SAR (W/kg) WWAN + BT	SPLSR	Remark
		WWAN	WIFI 2.4G	WIFI 5.8G	Bluetooth					
WCDMA Band 2	Left Cheek	1.094	0.325	0.361	0.021	1.419	1.455	1.115	N/A	N/A
	Left Tilt	0.542	0.163	0.185	0.011	0.705	0.727	0.553	N/A	N/A
	Right Cheek	1.112	0.332	0.369	0.024	1.444	1.481	1.136	N/A	N/A
	Right Tilt	0.547	0.170	0.192	0.014	0.717	0.739	0.561	N/A	N/A

Hotspot(body-worn)

Band	Test Position	Scaled				Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5.3G	Σ SAR (W/kg) WWAN + BT	SPLSR	Remark
		WWAN	WIFI 2.4G	WIFI 5.3G	Bluetooth					
WCDMA Band 2	Front	0.687	0.084	0.117	0.003	0.771	0.804	0.690	N/A	N/A
	Back	0.650	0.108	0.162	0.007	0.758	0.812	0.657	N/A	N/A
	Left	0.389	/	/	/	0.389	0.389	0.389	N/A	N/A
	Right	/	0.060	0.095	0.002	0.060	0.095	0.002	N/A	N/A
	Top	/	0.102	0.133	0.004	0.102	0.133	0.004	N/A	N/A
	Bottom	0.344	/	/	/	0.344	0.344	0.344	N/A	N/A

13. Test Equipment List

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
E-Field Probe	MVG	SSE2	0125-EPGO-445	2026/03/03	2027/03/02
6 1/2 Digital Multimeter	Keithley	DMM6500	4527164	2025/10/20	2026/10/19
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	161997	2025/10/17	2026/10/16
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2025/10/17	2026/10/16
E-Series Avg. Power Sensor	KEYSIGHT	E9300A	MY55050017	2026/04/02	2027/04/01
EPM Series Power Meter	KEYSIGHT	E4418B	MY41293435	2026/04/02	2027/04/01
MXA Signal Analyzer	KEYSIGHT	N9020A	MY54410409	2025/10/17	2026/10/16
Low Noise Amplifier	Tongyue	N/A	N/A	2025/07/30	2026/07/29
Coupler	MERRIMAC	CWM-10R-10.8G	LOT-83391	N/A	N/A
750MHz Validation Dipole	MVG	SID750	07/22 DIP 0G750-655	2025/05/26	2028/05/25
835MHz Validation Dipole	MVG	SID835	07/22 DIP 0G835-656	2025/05/26	2028/05/25
1800MHz Validation Dipole	MVG	SID1800	07/22 DIP 1G800-657	2025/05/26	2028/05/25
1900MHz Validation Dipole	MVG	SID1900	07/22 DIP 1G900-658	2025/05/26	2028/05/25
2450MHz Validation Dipole	MVG	SID2450	07/22 DIP 2G450-662	2025/05/26	2028/05/25
2600MHz Validation Dipole	MVG	SID2600	07/22 DIP 2G600-663	2025/05/26	2028/05/25
5200MHz-5800MHz Validation Dipole	MVG	SID5000	07/22 DIP5G000-670	2025/05/26	2028/05/25
LIMESAR Dielectric Probe	MVG	SCLMP	06/22 OCPG88	2026/04/07	2027/04/06
ENA Series Network Analyzer	Agilent	E5071B	MY42301221	2025/10/17	2026/10/16
Thermometer	Riters	DT-232	21A11	2026/04/02	2027/04/01
Antenna network emulator	MVG	ANTA 74	07/22 ANTA 74	N/A	N/A
SAM Phantom	MVG	SAM	07/22 SAM149	N/A	N/A
Mobile Phone Positioning System	MVG	MSH 118	07/22 MSH 118	N/A	N/A
Mechanical Calibration Kit	PNA	N/A	N/A	2025/10/21	2026/10/20
Open SAR test software	MVG	N/A	V5.3.5	N/A	N/A
Note: For dipole antennas, BTF has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria: 1. There is no physical damage on the dipole; 2. System validation with specific dipole is within 10% of calibrated value; 3. Return-loss in within 20% of calibrated measurement. 4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.					

ANNEX A Simulating Liquid Verification Result

The dielectric parameters of the liquids were verified prior to the SAR evaluation using an SCLMP Dielectric Probe Kit.

Dielectric performance of tissue simulating liquid									
Frequency (MHz)	ϵ_r		σ (s/m)		Delta (ϵ_r)	Delta (σ)	Limit	Temp (°C)	Date
	Target	Measured	Target	Measured					
750	41.90	42.15	0.89	0.87	0.60%	-2.25%	±5%	22.4	5/5/2026
835	41.50	41.86	0.90	0.89	0.87%	-1.11%	±5%	22.6	7/5/2026
1800	40.00	40.19	1.40	1.37	0.47%	-2.14%	±5%	21.9	9/5/2026
1900	40.00	40.26	1.40	1.38	0.65%	-1.43%	±5%	21.7	11/5/2026
2450	39.20	38.82	1.80	1.78	-0.97%	-1.11%	±5%	22.5	12/5/2026
2600	39.00	38.66	1.96	1.92	-0.87%	-2.04%	±5%	22.4	13/5/2026
5200	36.00	36.22	4.66	4.57	0.61%	-1.93%	±5%	21.9	2/5/2026
5600	35.50	35.31	5.07	5.15	-0.54%	1.58%	±5%	22.0	3/5/2026
5800	35.30	35.20	5.27	5.32	-0.28%	0.95%	±5%	22.3	4/5/2026

NOTE: The dielectric parameters of the tissue-equivalent liquid should be measured under similar ambient conditions and within 2 °C of the conditions expected during the SAR evaluation to satisfy protocol requirements.

ANNEX B System Check Result

Comparing to the original SAR value provided by MVG, the validation data should be within its specification of 10 %(for 10 g).

Frequency (MHz)	Input Power (mW)	10g SAR (W/Kg)	1g SAR (W/Kg)	10g SAR 1W input power normalized (W/Kg)	1g SAR 1W input power normalized (W/Kg)	10g SAR Standard target (1W) (W/Kg)	1g SAR Standard target (1W) (W/Kg)	10g SAR Deviation	1g SAR Deviation
750	100	0.573	0.858	5.73	8.58	5.55	8.41	3.24%	2.02%
835	100	0.605	0.910	6.05	9.10	6.12	9.46	-1.14%	-3.81%
1800	100	2.061	3.712	20.61	37.12	19.83	37.93	3.93%	-2.14%
1900	100	2.270	4.162	22.70	41.62	20.82	40.29	9.03%	3.30%
2450	100	2.480	5.201	24.80	52.01	24.55	52.72	1.02%	-1.35%
2600	100	2.447	5.325	24.47	53.25	24.43	53.76	0.16%	-0.95%
5200	100	2.416	8.499	24.16	84.99	22.78	78.16	6.06%	8.74%
5600	100	2.364	7.466	23.64	74.66	23.95	82.72	-1.29%	-9.74%
5800	100	2.176	7.342	21.76	73.42	22.71	78.32	-4.18%	-6.26%

System Performance Check Data (750 MHz)

System check at 750 MHz

Date of measurement: 5/5/2026

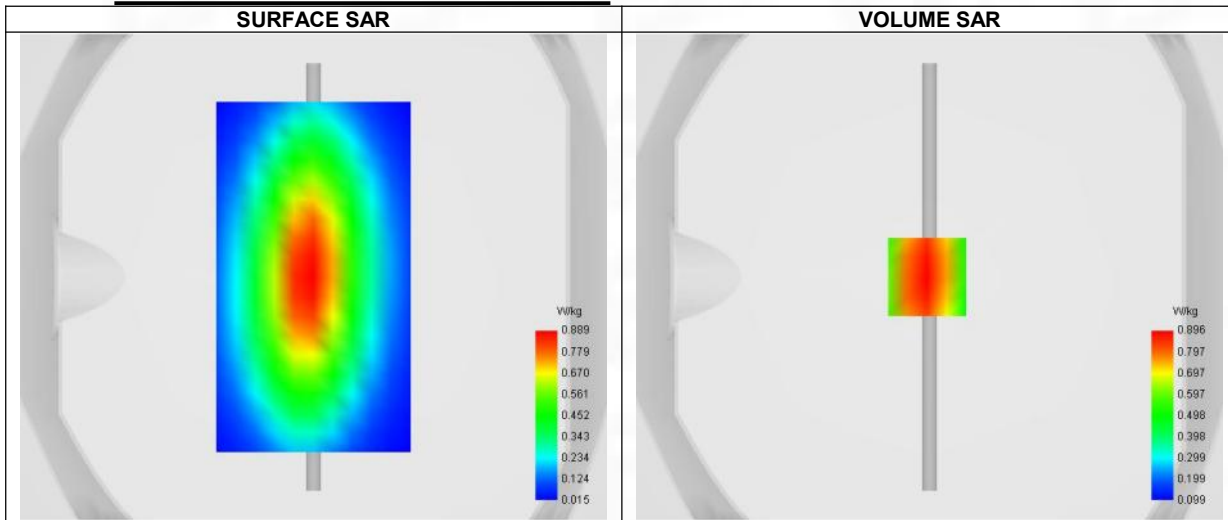
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW750
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	750.000
Relative permittivity (real part)	42.148
Relative permittivity (imaginary part)	19.152
Conductivity (S/m)	0.869

C. SAR Surface and Volume



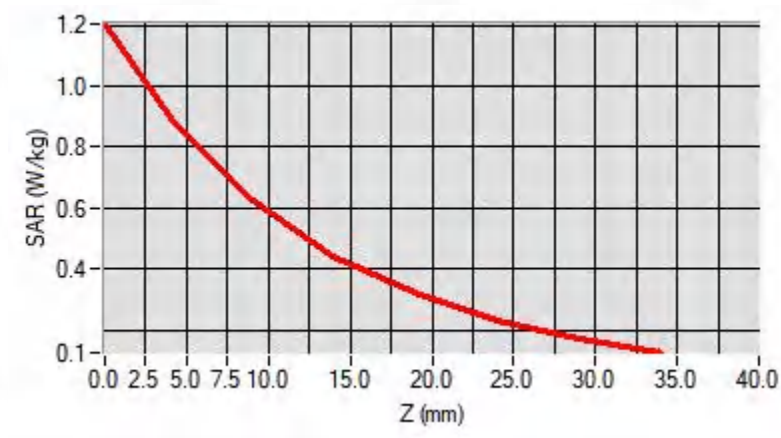
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.20 W/kg

D. SAR 1g & 10g

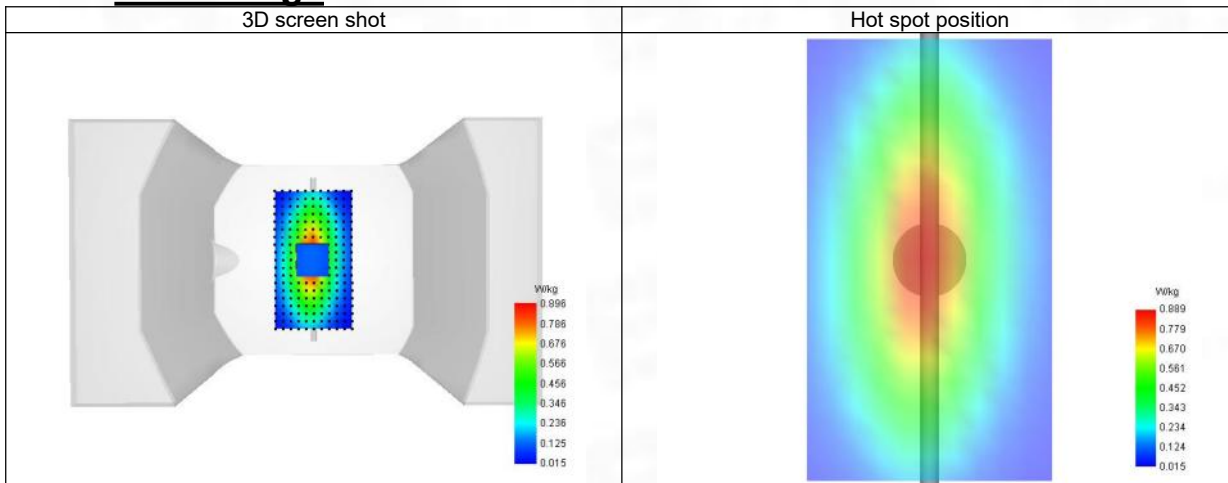
SAR 10g (W/Kg)	0.573
SAR 1g (W/Kg)	0.858
Variation (%)	0.170
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.517214

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.205	0.896	0.623	0.443	0.320	0.231	0.171



F. 3D Image



System Performance Check Data (835 MHz)

System check at 835 MHz

Date of measurement: 7/5/2026

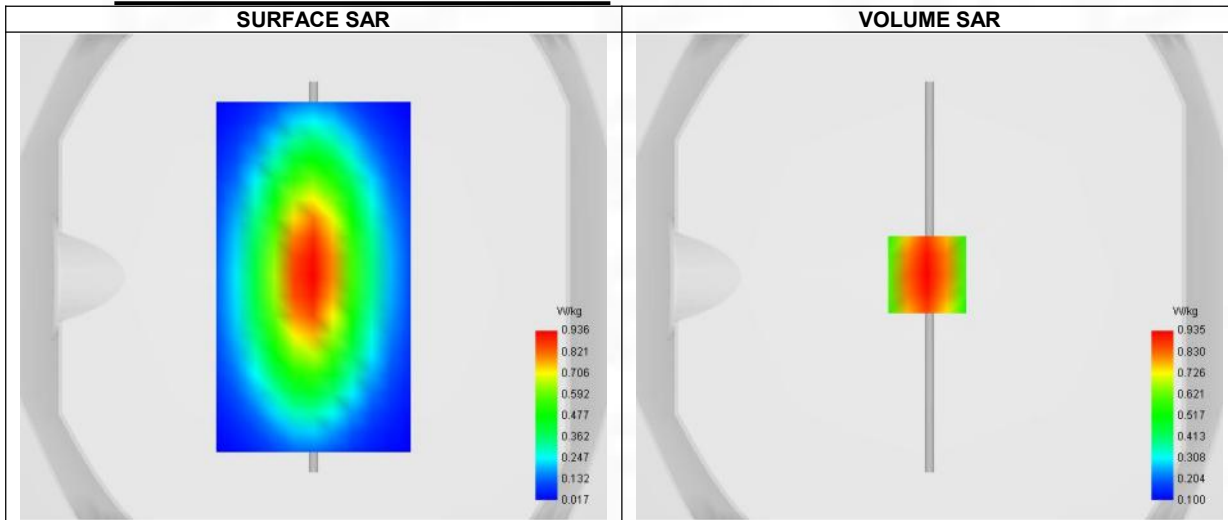
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW835
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	835.000
Relative permittivity (real part)	41.863
Relative permittivity (imaginary part)	19.542
Conductivity (S/m)	0.886

C. SAR Surface and Volume



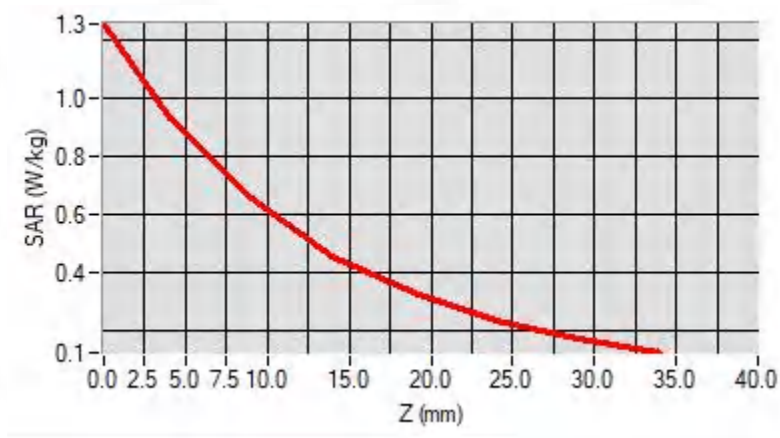
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 1.25 W/kg

D. SAR 1g & 10g

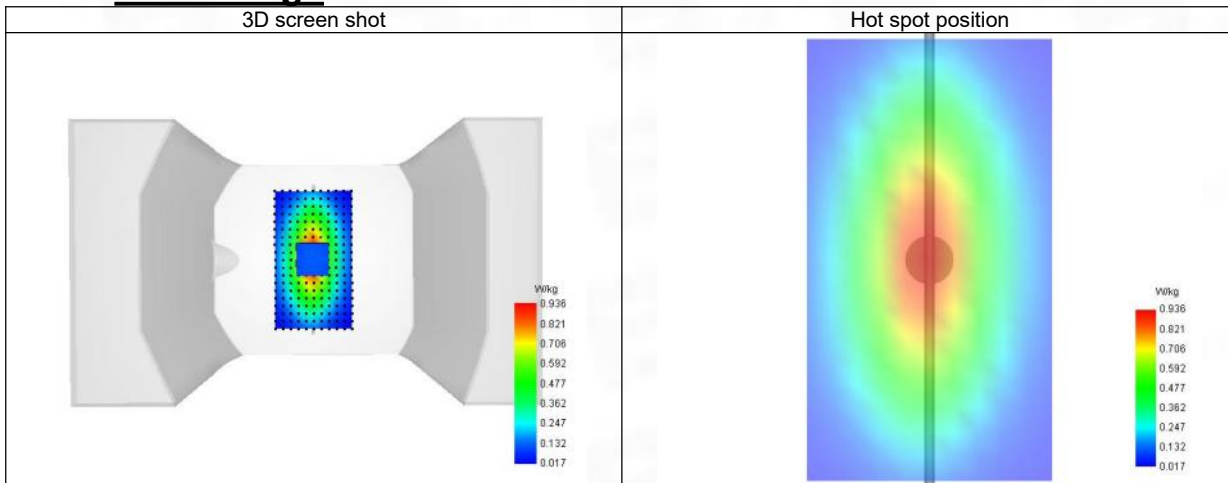
SAR 10g (W/Kg)	0.605
SAR 1g (W/Kg)	0.910
Variation (%)	-0.020
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.781918

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.255	0.935	0.652	0.459	0.334	0.234	0.172



F. 3D Image



System Performance Check Data (1800 MHz)

System check at 1800 MHz

Date of measurement: 9/5/2026

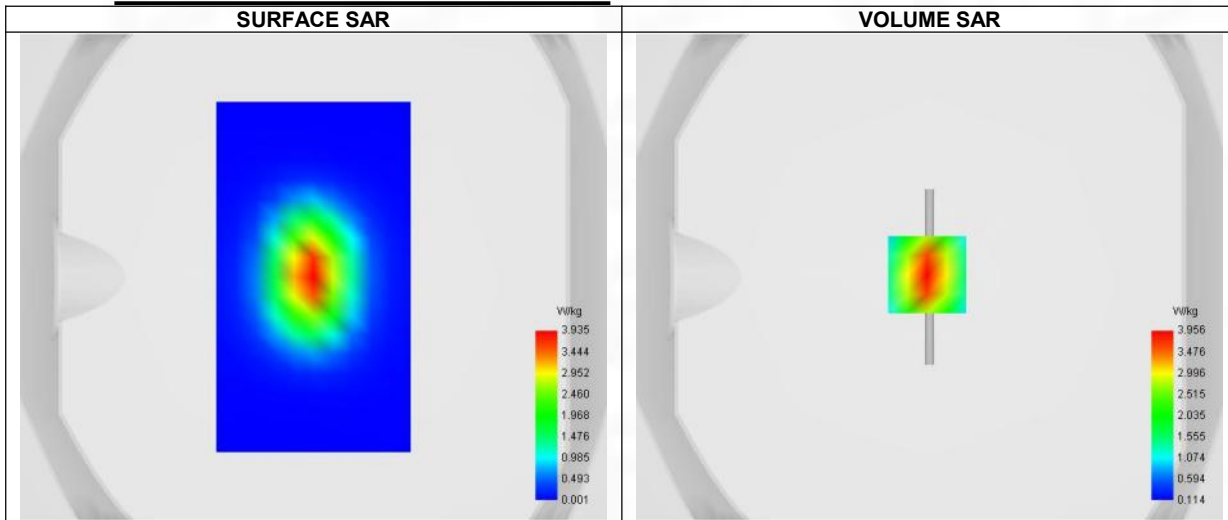
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1800
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	1800.000
Relative permittivity (real part)	40.185
Relative permittivity (imaginary part)	15.577
Conductivity (S/m)	1.373

C. SAR Surface and Volume



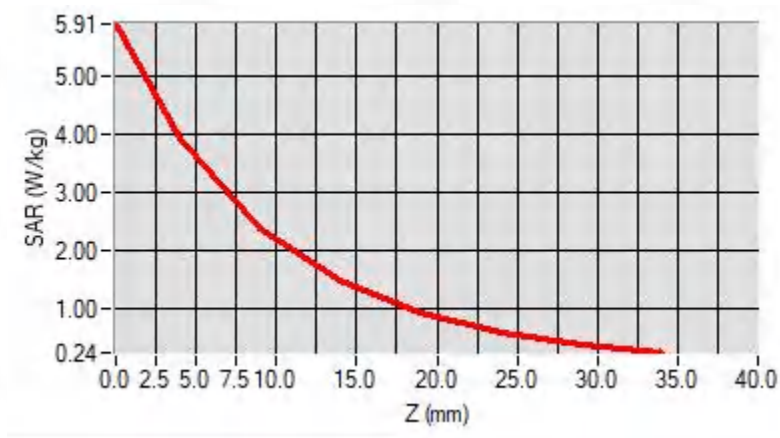
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 5.87 W/kg

D. SAR 1g & 10g

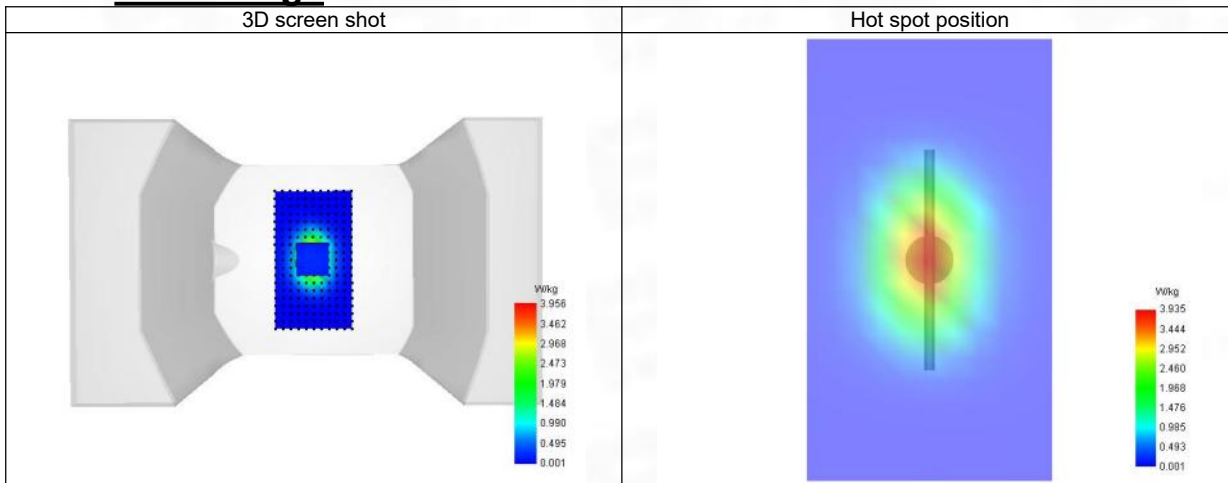
SAR 10g (W/Kg)	2.061
SAR 1g (W/Kg)	3.712
Variation (%)	-1.300
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.150778

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.912	3.956	2.380	1.485	0.927	0.583	0.364



F. 3D Image



System Performance Check Data (1900 MHz)

System check at 1900 MHz

Date of measurement: 11/5/2026

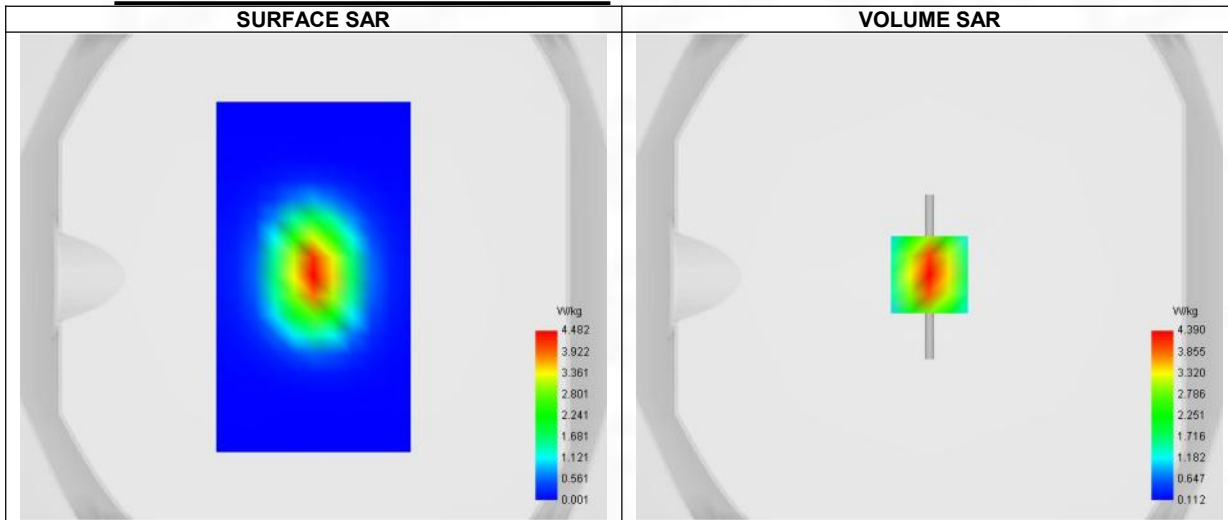
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW1900
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	1900.000
Relative permittivity (real part)	40.262
Relative permittivity (imaginary part)	13.485
Conductivity (S/m)	1.378

C. SAR Surface and Volume

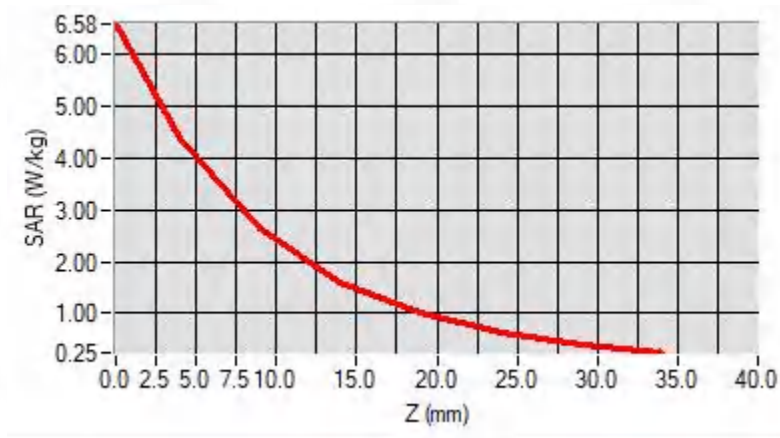


D. SAR 1g & 10g

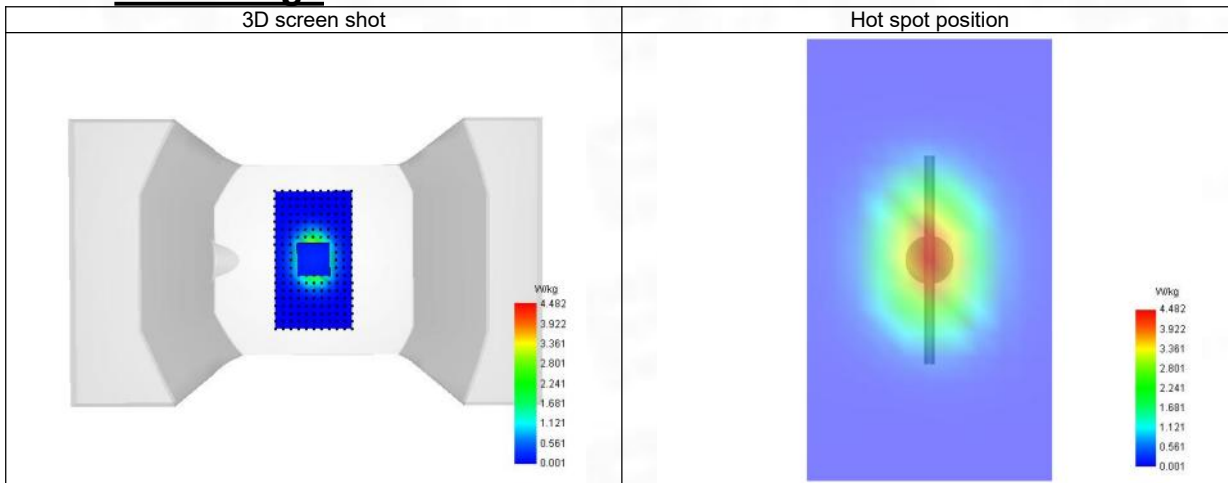
SAR 10g (W/Kg)	2.270
SAR 1g (W/Kg)	4.162
Variation (%)	0.570
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.783197

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.579	4.390	2.624	1.610	1.002	0.619	0.388



F. 3D Image



System Performance Check Data (2450 MHz)

System check at 2450 MHz

Date of measurement: 12/5/2026

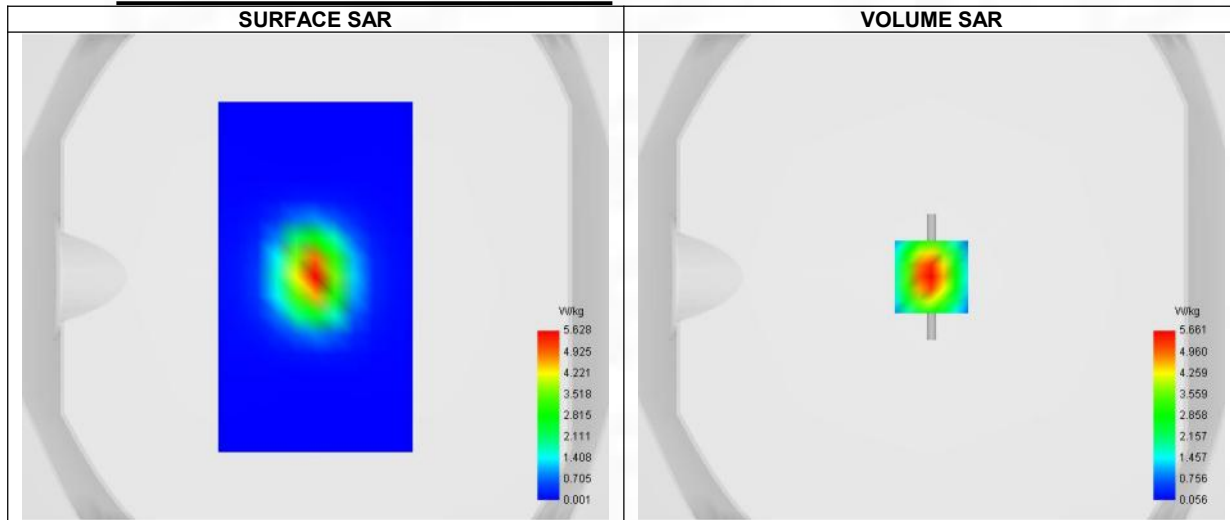
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.31
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2450.000
Relative permittivity (real part)	38.823
Relative permittivity (imaginary part)	13.456
Conductivity (S/m)	1.783

C. SAR Surface and Volume



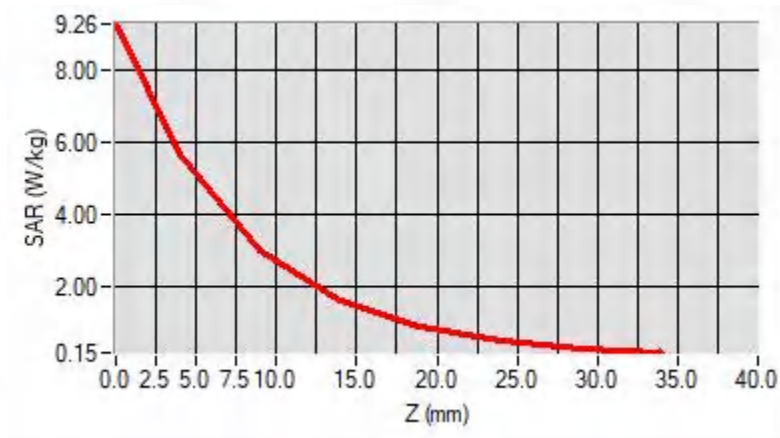
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 9.17 W/kg

D. SAR 1g & 10g

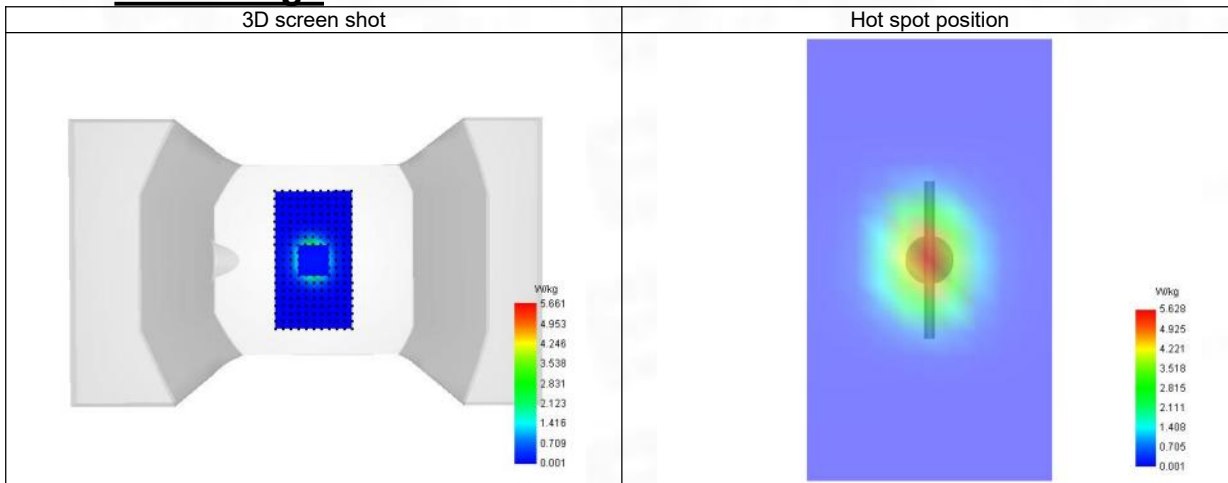
SAR 10g (W/Kg)	2.480
SAR 1g (W/Kg)	5.201
Variation (%)	-1.810
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	52.226178

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.260	5.661	2.956	1.609	0.886	0.488	0.268



F. 3D Image



System Performance Check Data (2600 MHz)

System check at 2600 MHz

Date of measurement: 13/5/206

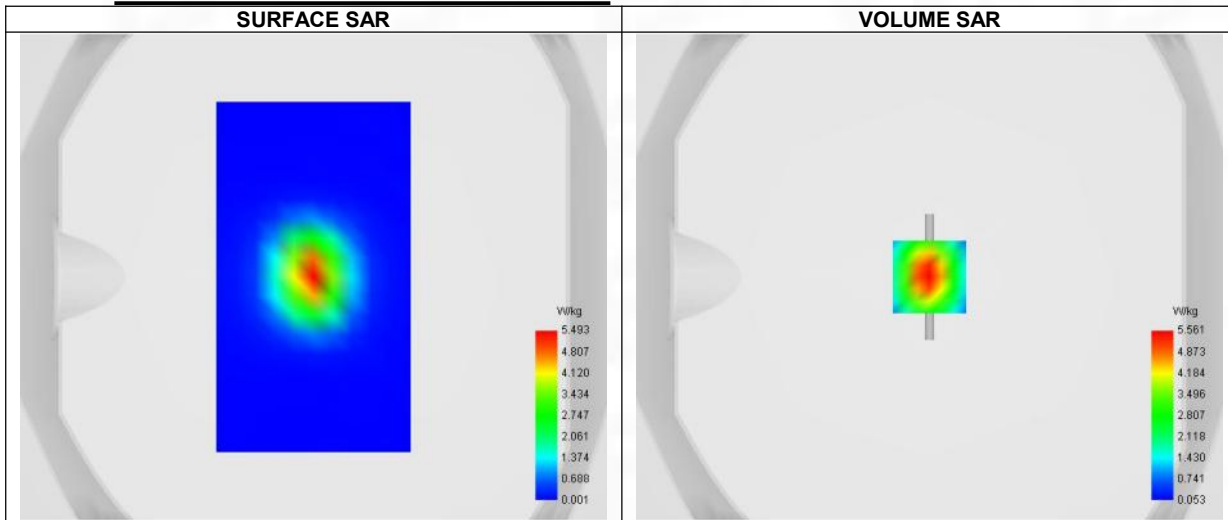
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2600.000
Relative permittivity (real part)	38.662
Relative permittivity (imaginary part)	12.617
Conductivity (S/m)	1.923

C. SAR Surface and Volume



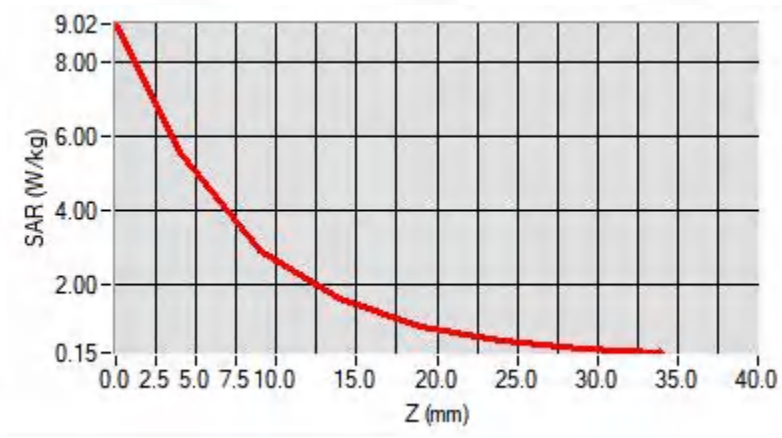
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.98 W/kg

D. SAR 1g & 10g

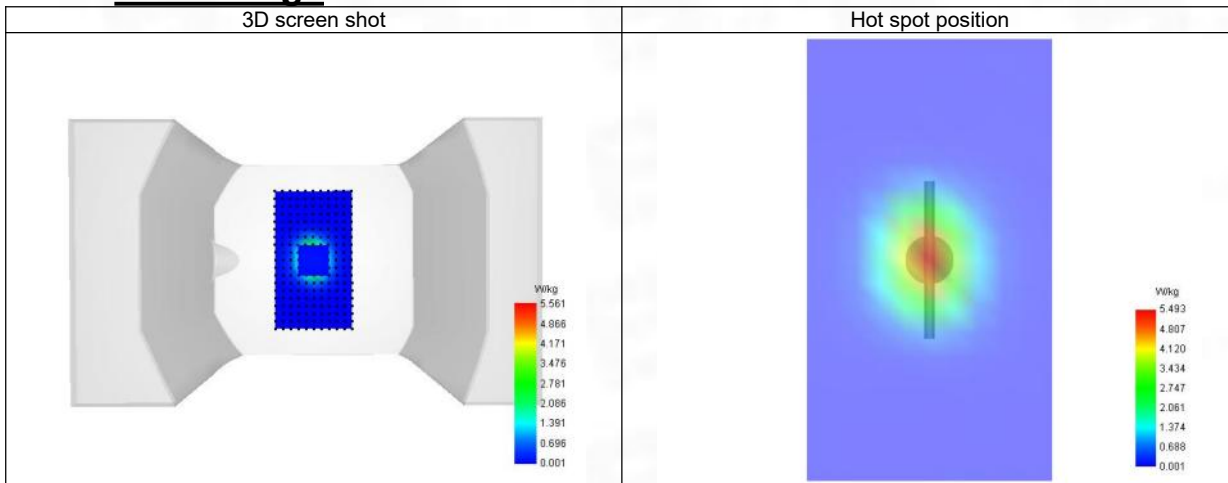
SAR 10g (W/Kg)	2.447
SAR 1g (W/Kg)	5.325
Variation (%)	0.190
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	52.714790

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.023	5.561	2.932	1.583	0.864	0.476	0.260



F. 3D Image



System Performance Check Data (5200 MHz)

System check at 5200 MHz

Date of measurement: 2/5/2026

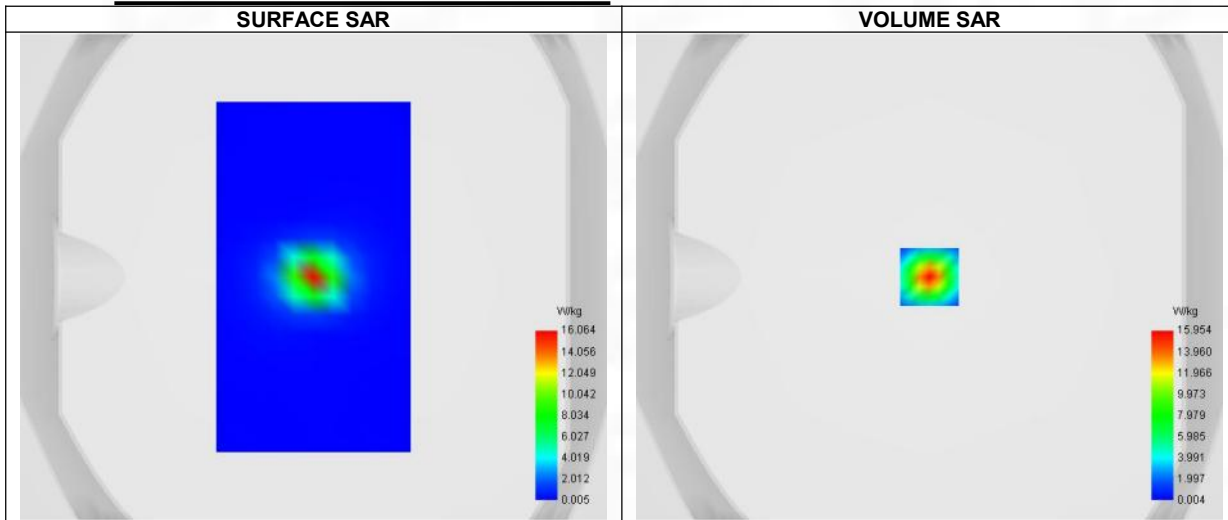
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.16
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5200
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5200.000
Relative permittivity (real part)	36.216
Relative permittivity (imaginary part)	16.441
Conductivity (S/m)	4.573

C. SAR Surface and Volume

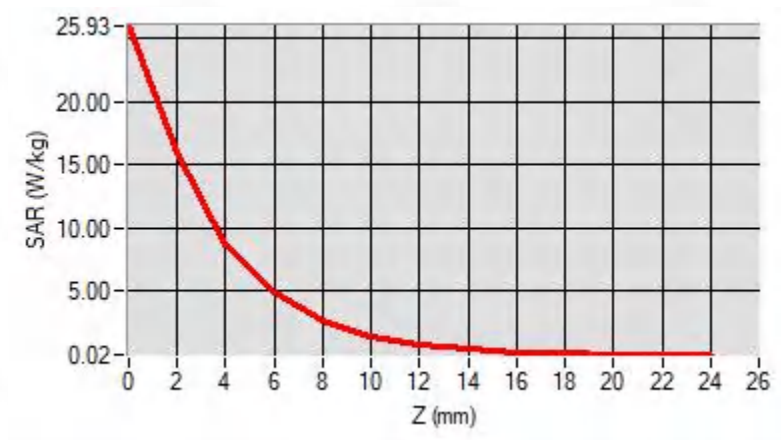


D. SAR 1g & 10g

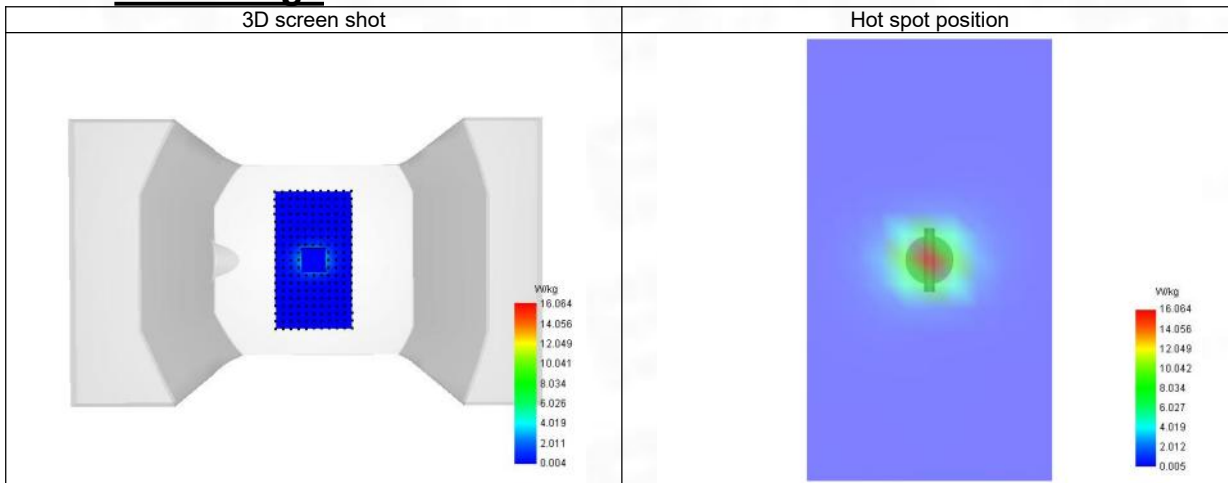
SAR 10g (W/Kg)	2.416
SAR 1g (W/Kg)	8.499
Variation (%)	-3.790
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.807327

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	25.926	15.954	8.744	4.879	2.706	1.509	0.839	0.452	0.251	0.129	0.069	0.043



F. 3D Image



System Performance Check Data (5600 MHz)

System check at 5600 MHz

Date of measurement: 3/5/2026

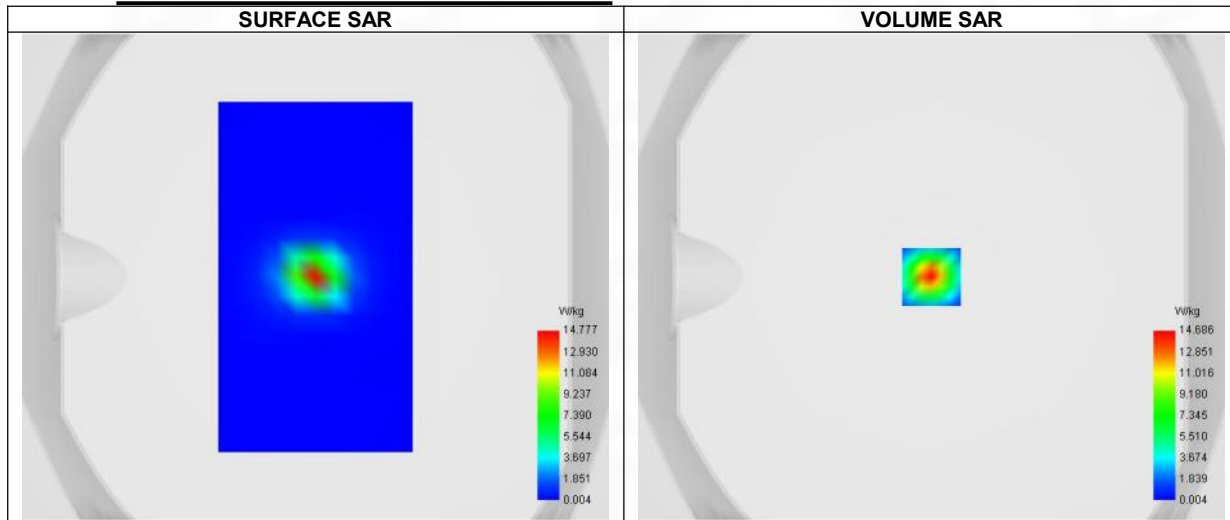
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.99
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW5600
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5600.000
Relative permittivity (real part)	35.309
Relative permittivity (imaginary part)	16.868
Conductivity (S/m)	5.154

C. SAR Surface and Volume



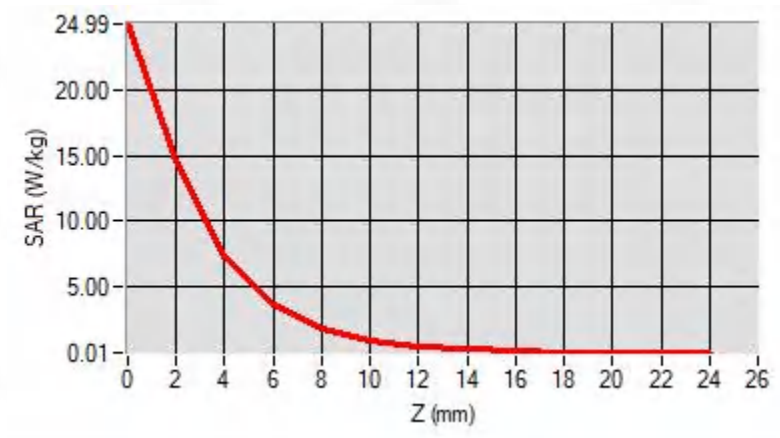
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 26.71 W/kg

D. SAR 1g & 10g

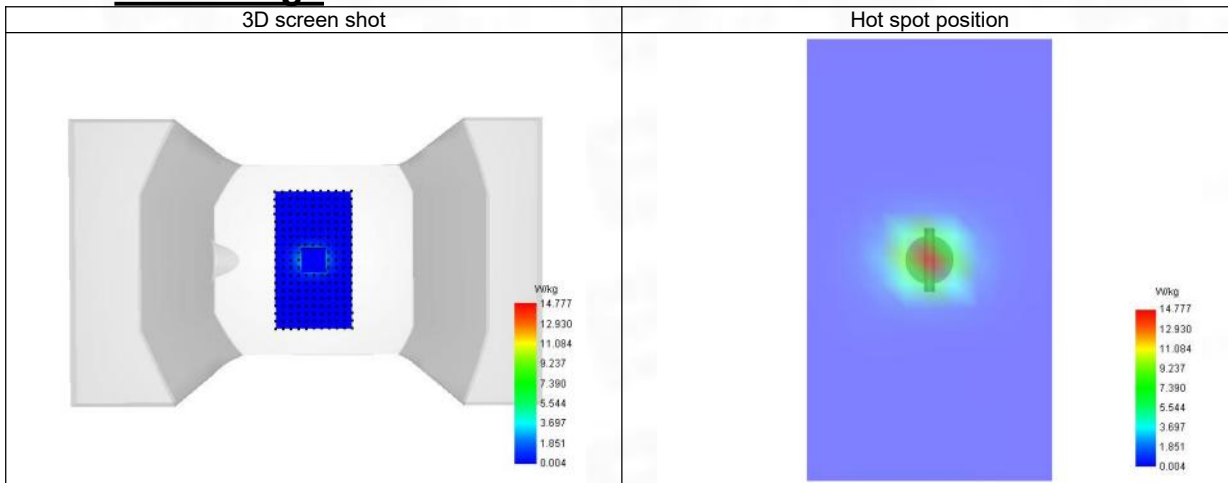
SAR 10g (W/Kg)	2.338
SAR 1g (W/Kg)	7.921
Variation (%)	-4.200
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.464864

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	24.992	14.686	7.264	3.673	1.865	0.956	0.492	0.247	0.130	0.058	0.025	0.022



F. 3D Image



System Performance Check Data (5800 MHz)

System check at 5800 MHz

Date of measurement: 4/5/2025

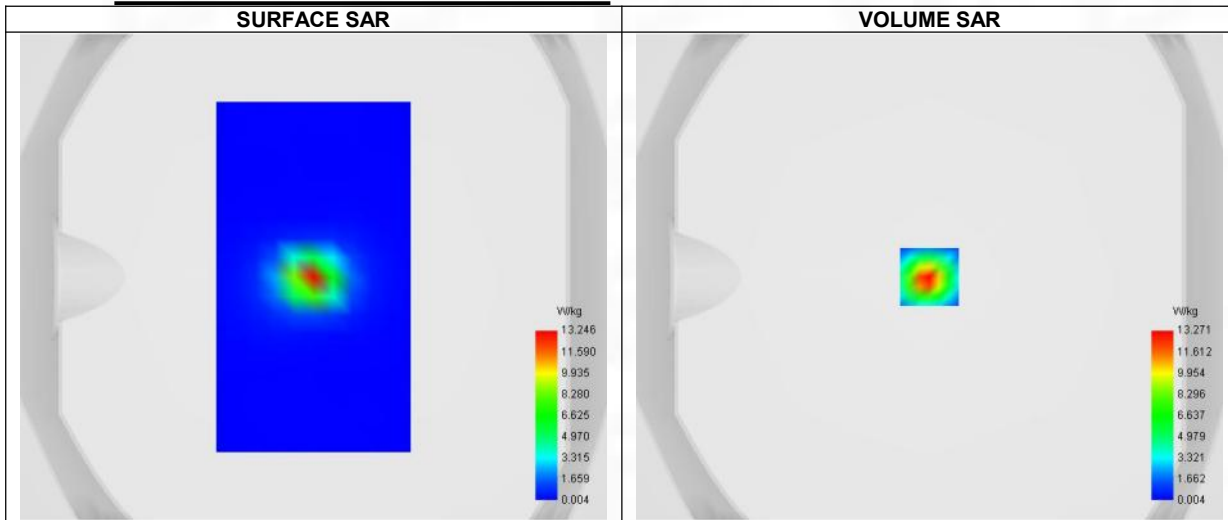
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.10
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	CW5800
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5800.000
Relative permittivity (real part)	35.202
Relative permittivity (imaginary part)	16.285
Conductivity (S/m)	5.321

C. SAR Surface and Volume



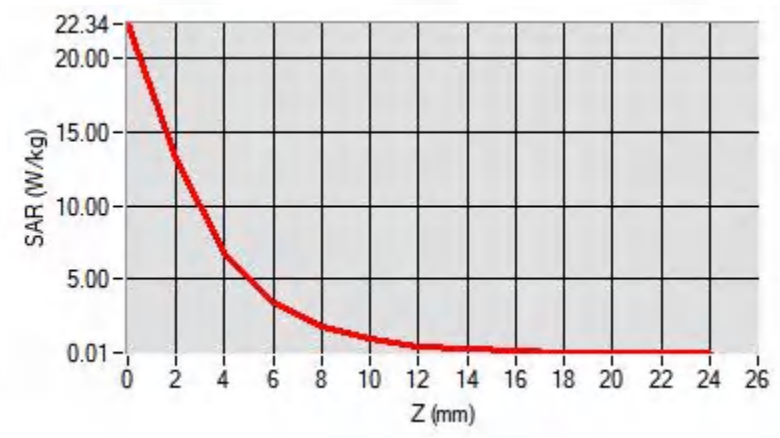
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 23.97 W/kg

D. SAR 1g & 10g

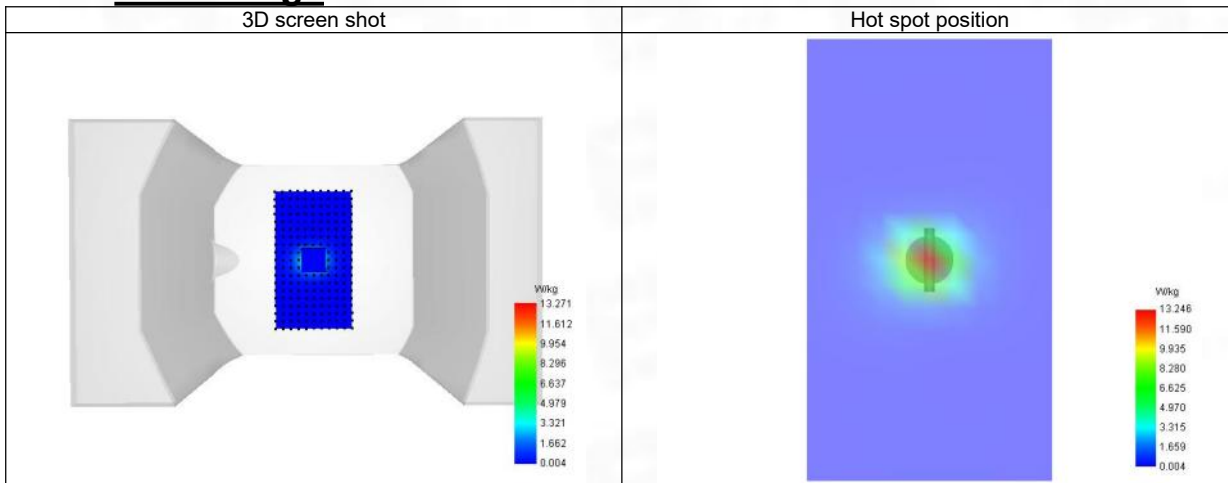
SAR 10g (W/Kg)	2.176
SAR 1g (W/Kg)	7.342
Variation (%)	-4.770
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.966398

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	22.342	13.271	6.764	3.480	1.777	0.902	0.465	0.230	0.111	0.071	0.041	0.012



F. 3D Image



ANNEX C Test Data

1-Head with front position in dist. 0mm on Channel 128 in GSM850 voice

SAR Measurement at GSM850 (Cheek, Right)

Date of measurement: 7/5/2026

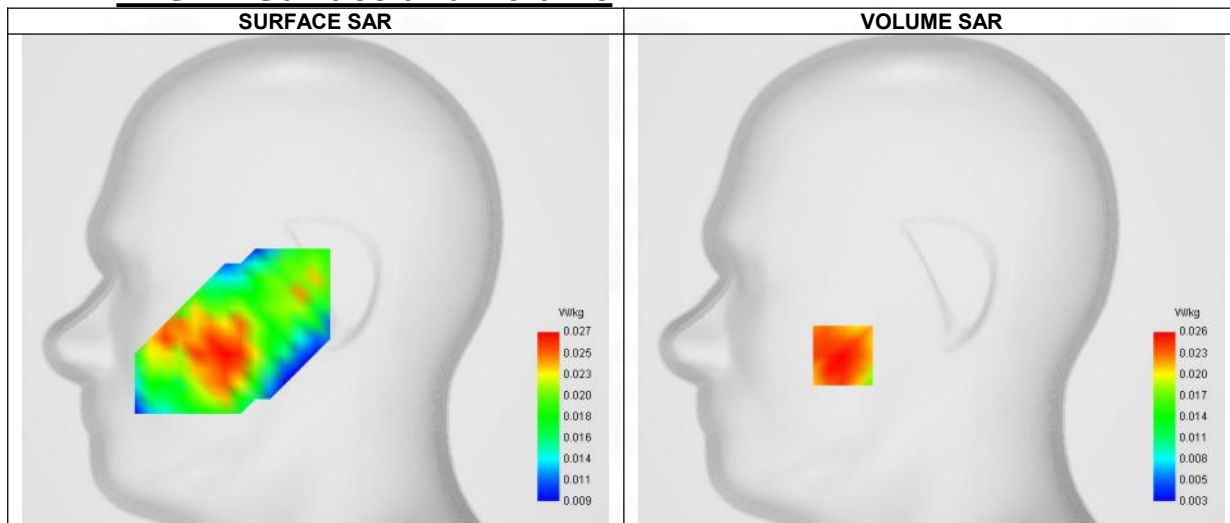
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	GSM850
Channels/Frequency	Lower (128)/ frequency 824.200 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	824.200
Relative permittivity (real part)	41.899
Relative permittivity (imaginary part)	19.492
Conductivity (S/m)	0.884

C. SAR Surface and Volume



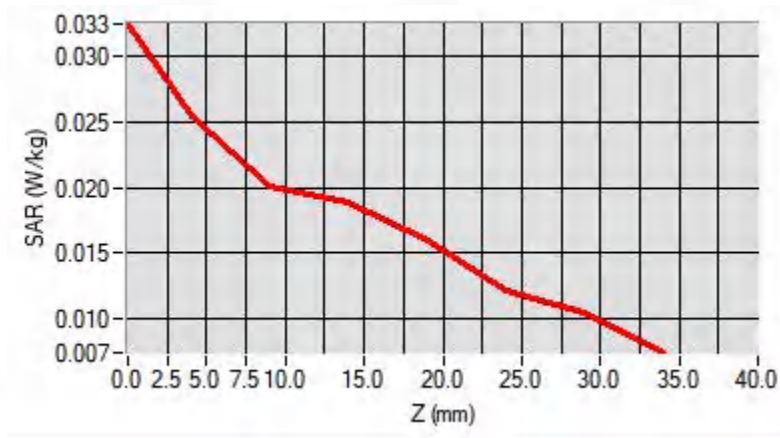
Maximum location: X=-47.00, Y=-41.00 ; SAR Peak: 0.03 W/kg

D. SAR 1g & 10g

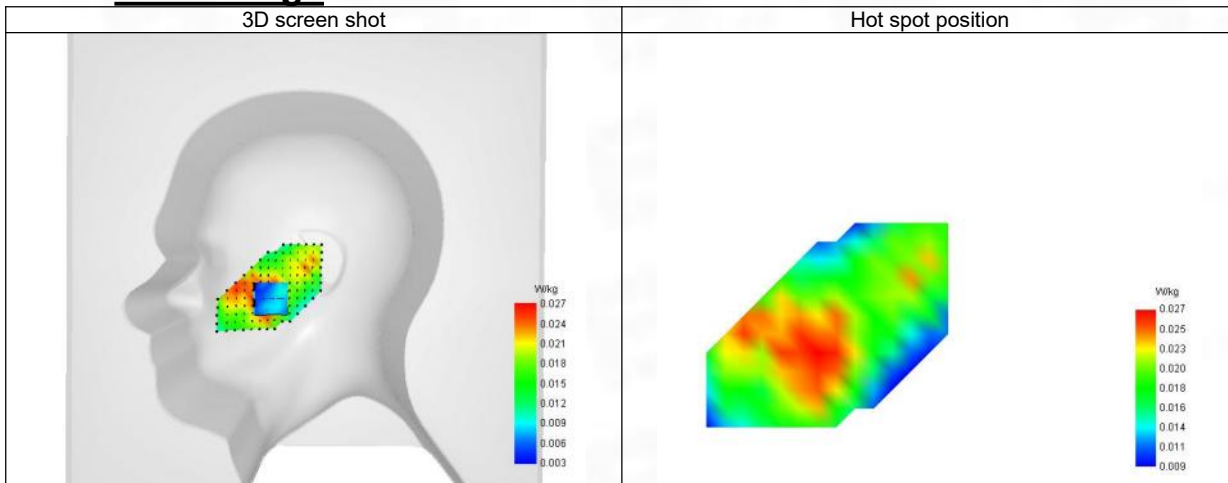
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.025
Variation (%)	-4.680
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	78.823435

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.033	0.026	0.020	0.019	0.016	0.012	0.010



F. 3D Image



2-Body with back position in dist. 10mm on Channel 128 in GPRS850+3slots

SAR Measurement at GSM850 (Body, Validation Plane)

Date of measurement: 7/5/2026

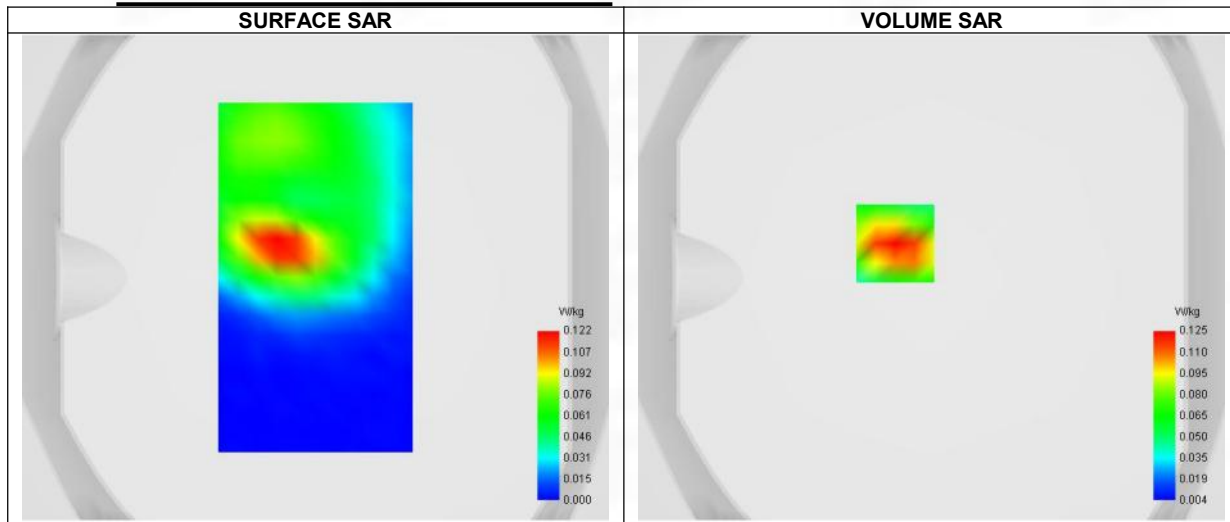
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GSM850
Channels/Frequency	Lower (128)/ frequency 824.200 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	824.200
Relative permittivity (real part)	41.899
Relative permittivity (imaginary part)	19.492
Conductivity (S/m)	0.884

C. SAR Surface and Volume

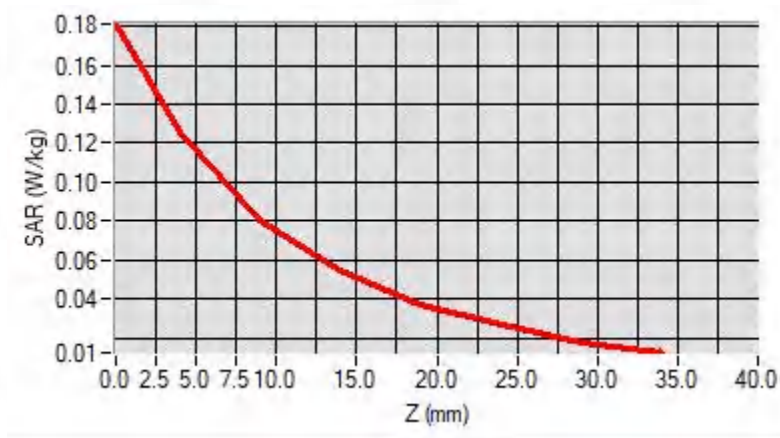


D. SAR 1g & 10g

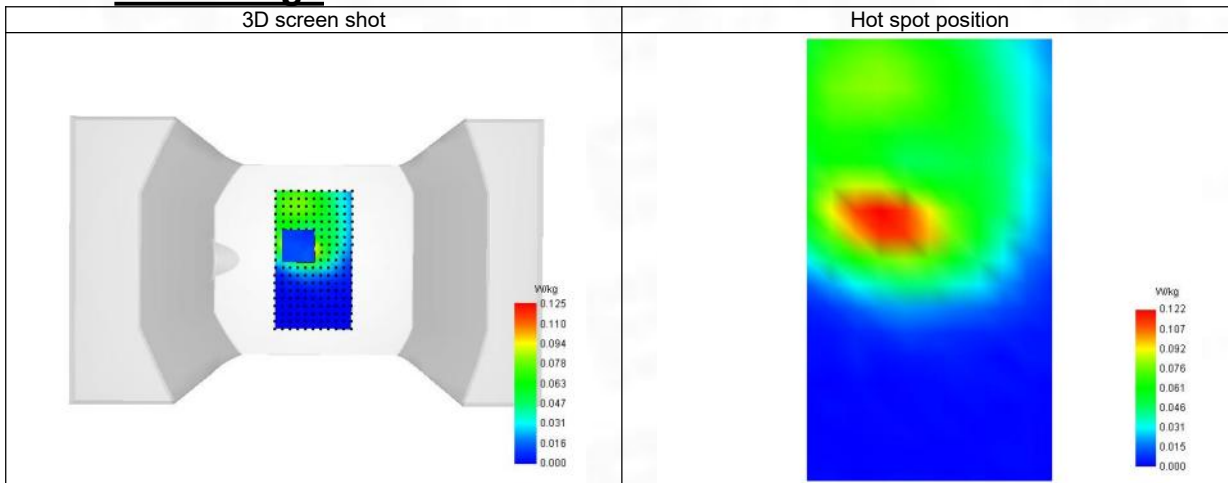
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.119
Variation (%)	-2.930
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.481534

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.181	0.125	0.081	0.055	0.037	0.027	0.017



F. 3D Image



3-Head with front position in dist. 0mm on Channel 512 in GSM1900 voice

SAR Measurement at GSM1900 (Cheek, Right)

Date of measurement: 11/5/2026

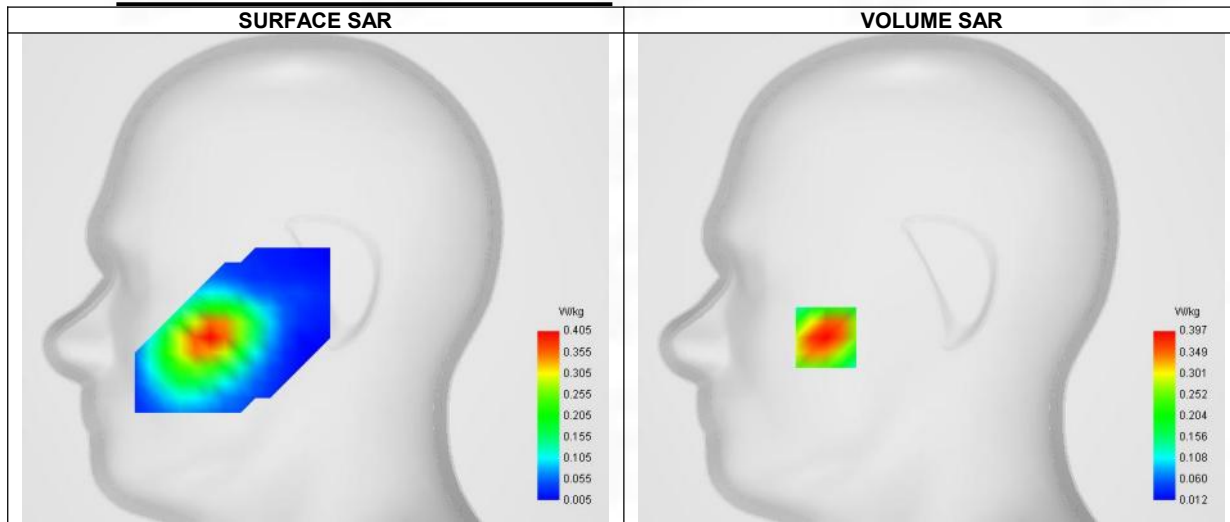
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	GSM1900
Channels/Frequency	Lower (512)/ frequency 1850.200 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	1850.200
Relative permittivity (real part)	40.224
Relative permittivity (imaginary part)	14.527
Conductivity (S/m)	1.376

C. SAR Surface and Volume



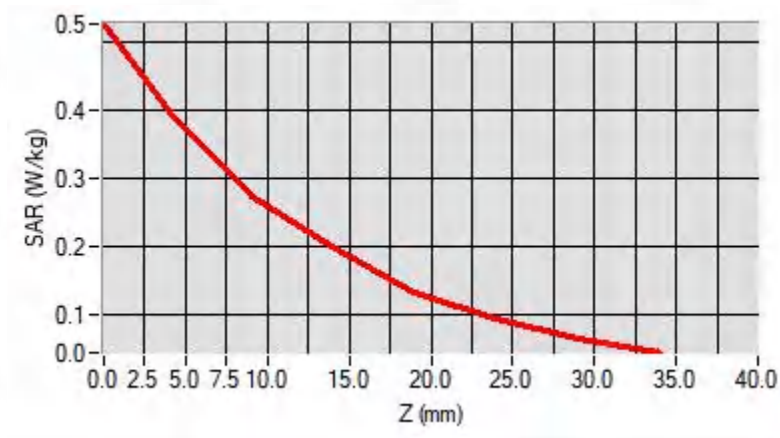
Maximum location: X=-56.00, Y=-32.00 ; SAR Peak: 0.55 W/kg

D. SAR 1g & 10g

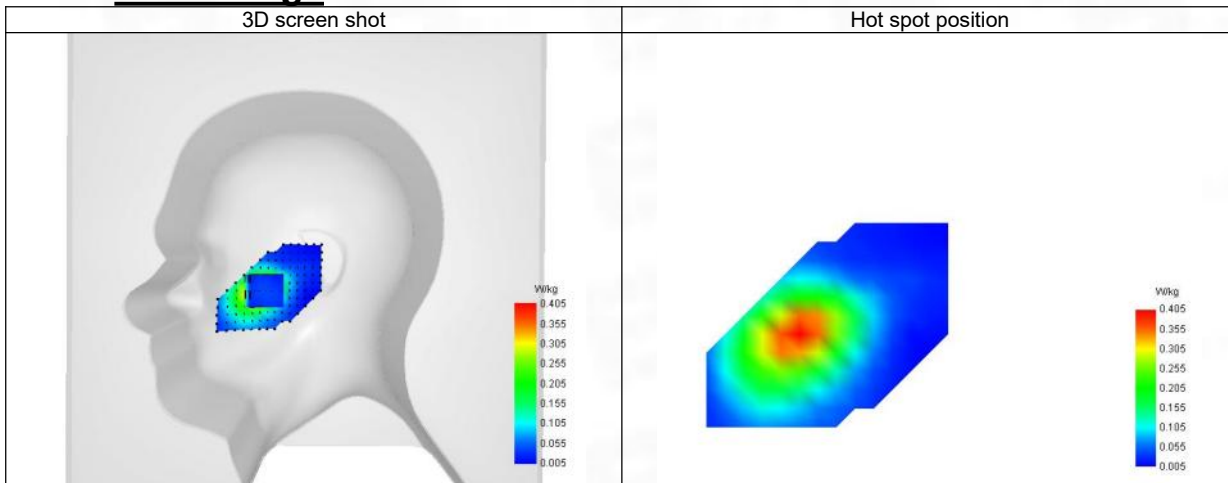
SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.377
Variation (%)	-1.390
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	69.252225

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.528	0.397	0.275	0.200	0.134	0.093	0.064



F. 3D Image



4-Body with front position in dist. 10mm on Channel 512 in GPRS1900+3slots

SAR Measurement at GSM1900 (Body, Validation Plane)

Date of measurement: 11/5/2026

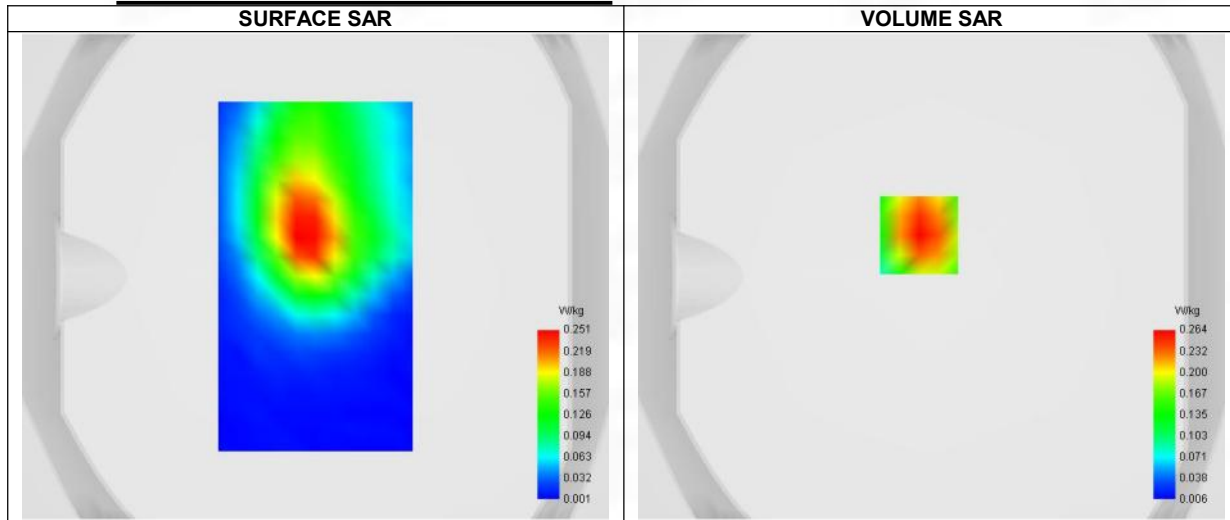
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	GSM1900
Channels/Frequency	Lower (512)/ frequency 1850.200 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	1850.200
Relative permittivity (real part)	40.224
Relative permittivity (imaginary part)	14.527
Conductivity (S/m)	1.376

C. SAR Surface and Volume



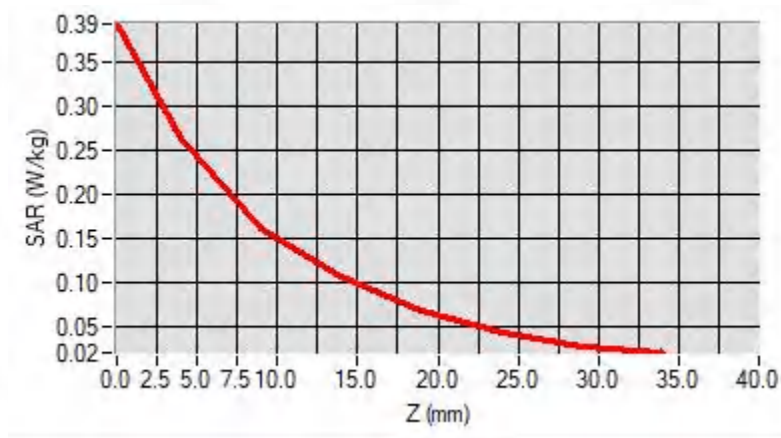
Maximum location: X=-5.00, Y=17.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

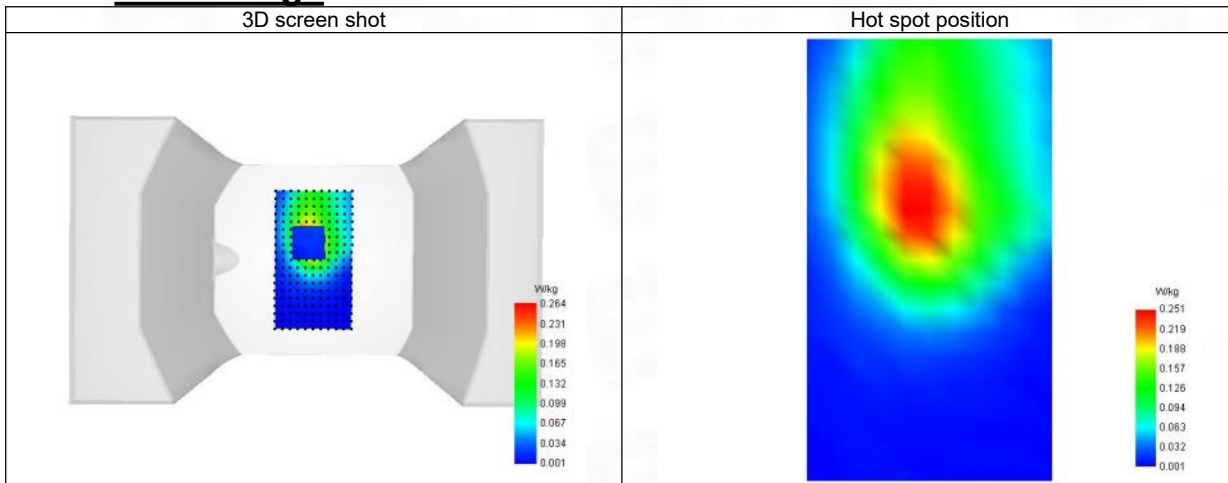
SAR 10g (W/Kg)	0.149
SAR 1g (W/Kg)	0.252
Variation (%)	-1.590
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	61.259134

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.392	0.264	0.162	0.108	0.068	0.045	0.028



F. 3D Image



5-Head with front position in dist. 0mm on Channel 9400 in WCDMA Band 2

SAR Measurement at Band 2 (1900) (Cheek, Right)

Date of measurement: 11/5/2026

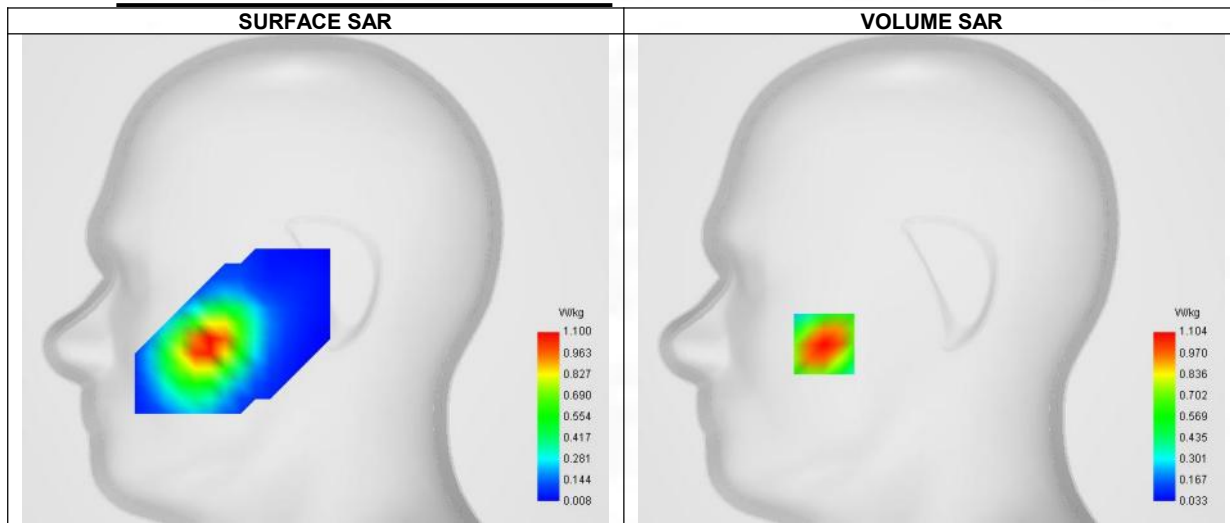
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 2 (1900)
Channels/Frequency	Middle (9400)/ frequency 1880.000 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.247
Relative permittivity (imaginary part)	13.903
Conductivity (S/m)	1.377

C. SAR Surface and Volume



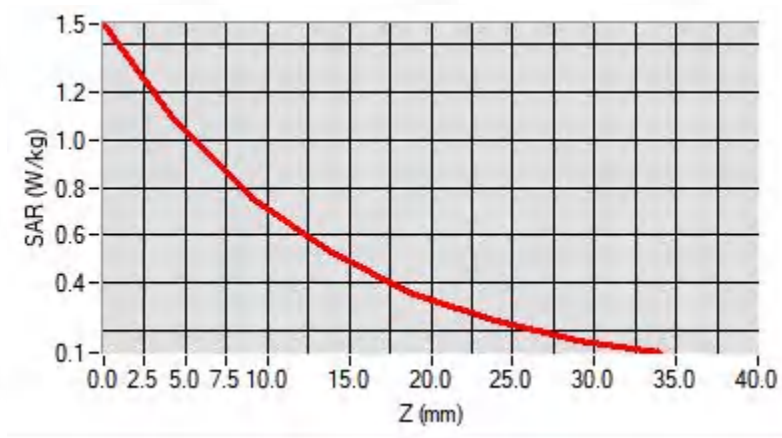
Maximum location: X=-57.00, Y=-35.00 ; SAR Peak: 1.50 W/kg

D. SAR 1g & 10g

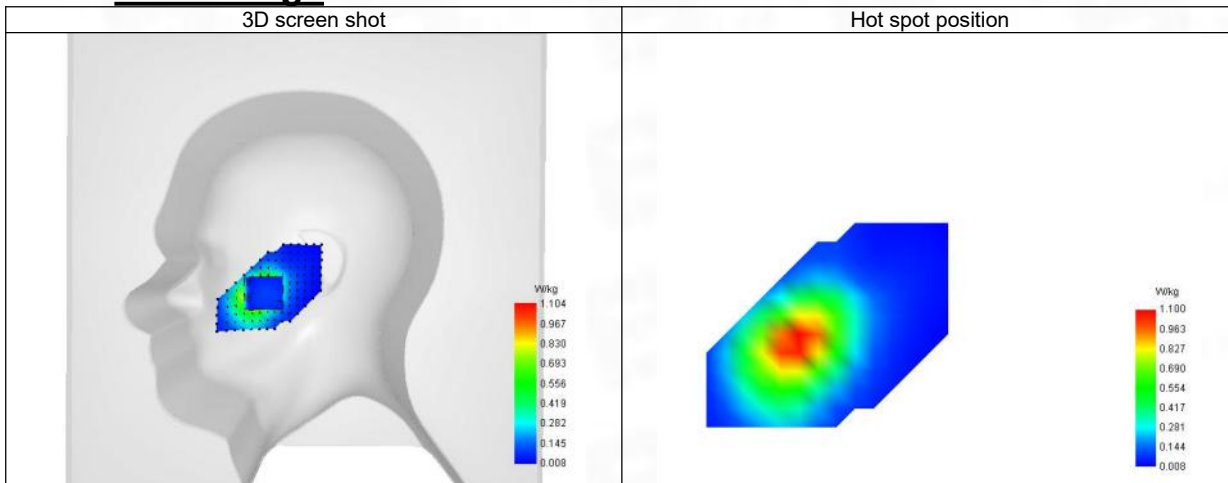
SAR 10g (W/Kg)	0.637
SAR 1g (W/Kg)	1.040
Variation (%)	-1.790
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.125586

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.487	1.104	0.752	0.525	0.347	0.239	0.158



F. 3D Image



6-Body with front position in dist. 10mm on Channel 9400 in WCDMA Band 2

SAR Measurement at Band 2 (1900) (Body, Validation Plane)

Date of measurement: 11/5/2026

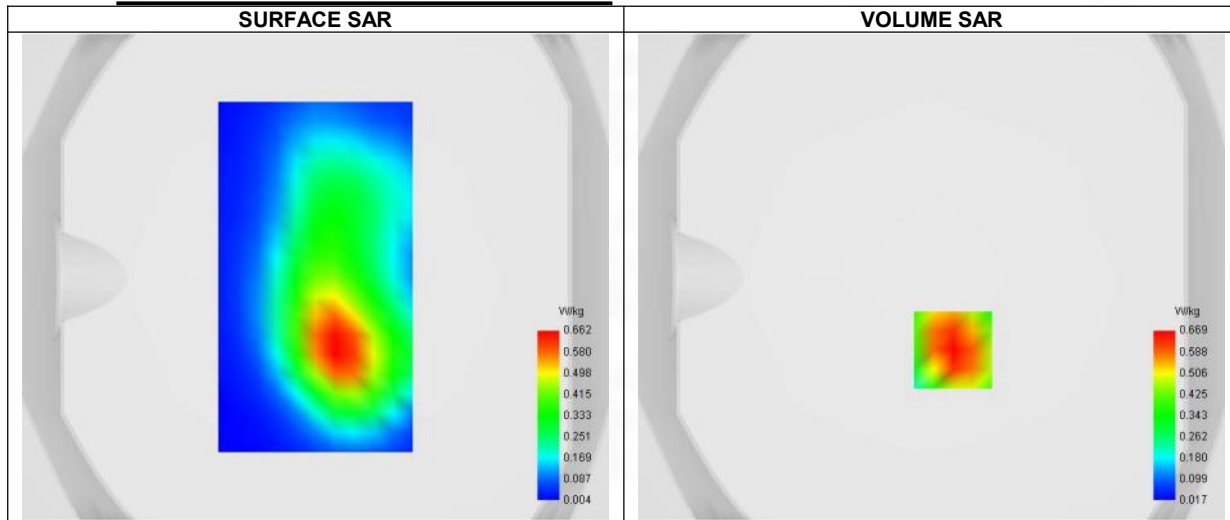
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 2 (1900)
Channels/Frequency	Middle (9400)/ frequency 1880.000 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.247
Relative permittivity (imaginary part)	13.903
Conductivity (S/m)	1.377

C. SAR Surface and Volume



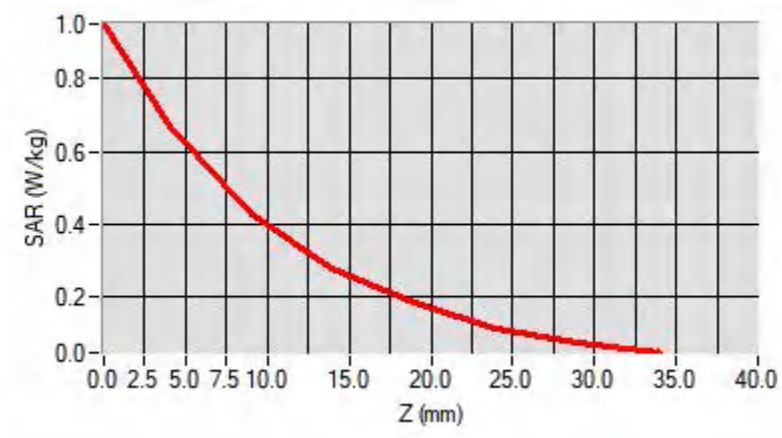
Maximum location: X=9.00, Y=-30.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

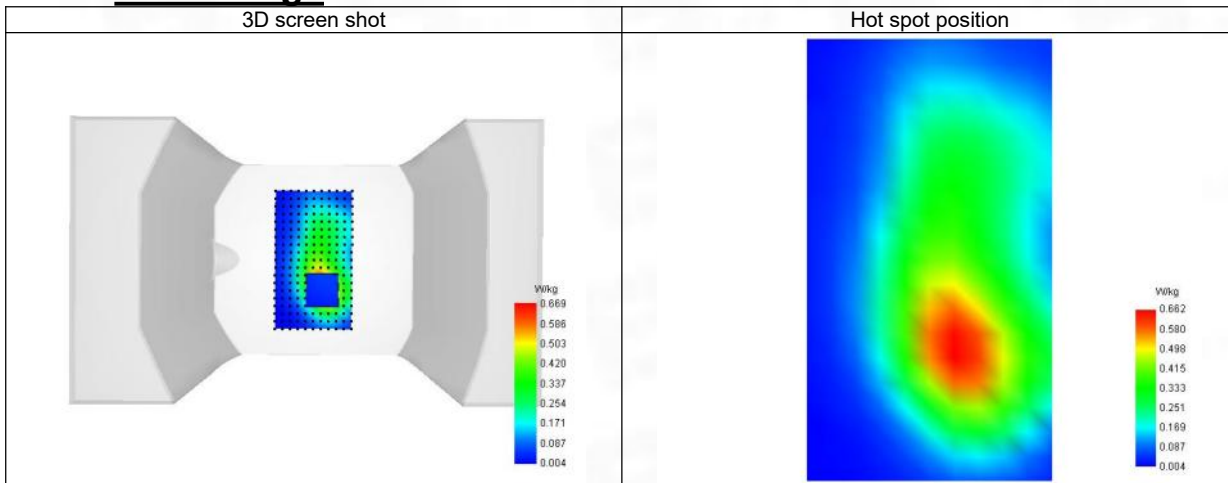
SAR 10g (W/Kg)	0.390
SAR 1g (W/Kg)	0.643
Variation (%)	0.210
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	64.000730

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.952	0.669	0.428	0.281	0.183	0.114	0.075



F. 3D Image



7-Head with front position in dist. 0mm on Channel 1312 in WCDMA Band 4

SAR Measurement at Band 4 (1700) (Cheek, Right)

Date of measurement: 9/5/2026

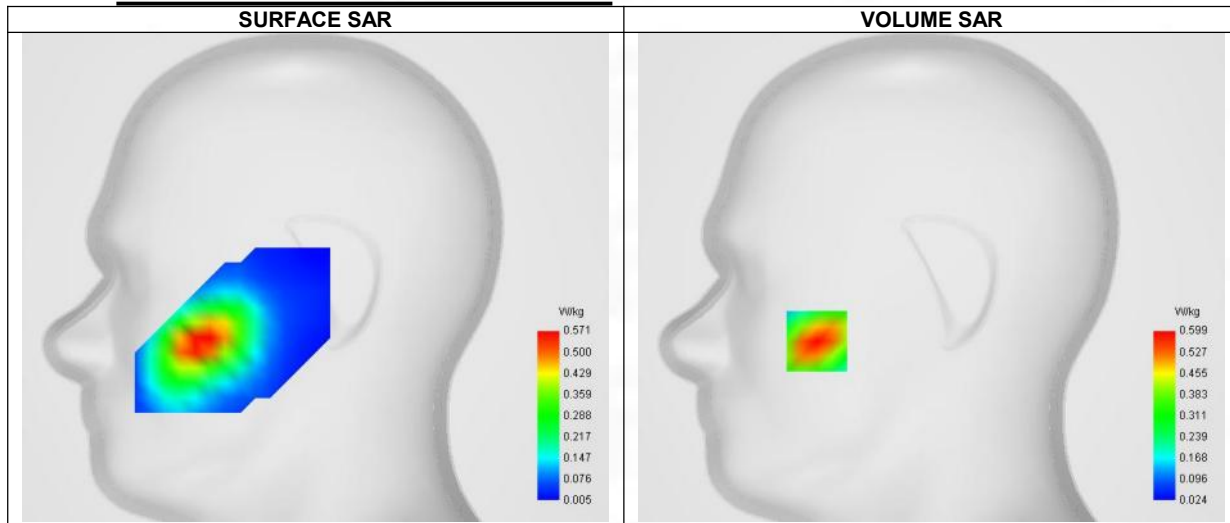
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 4 (1700)
Channels/Frequency	Lower (1312)/ frequency 1712.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1712.400
Relative permittivity (real part)	40.337
Relative permittivity (imaginary part)	15.937
Conductivity (S/m)	1.329

C. SAR Surface and Volume



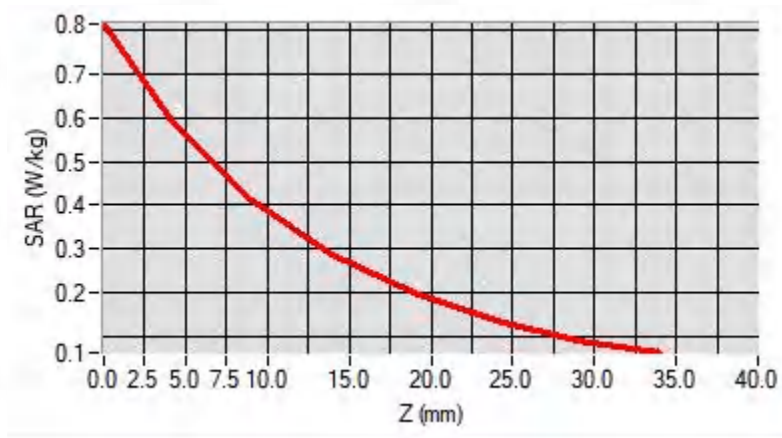
Maximum location: X=-61.00, Y=-34.00 ; SAR Peak: 0.81 W/kg

D. SAR 1g & 10g

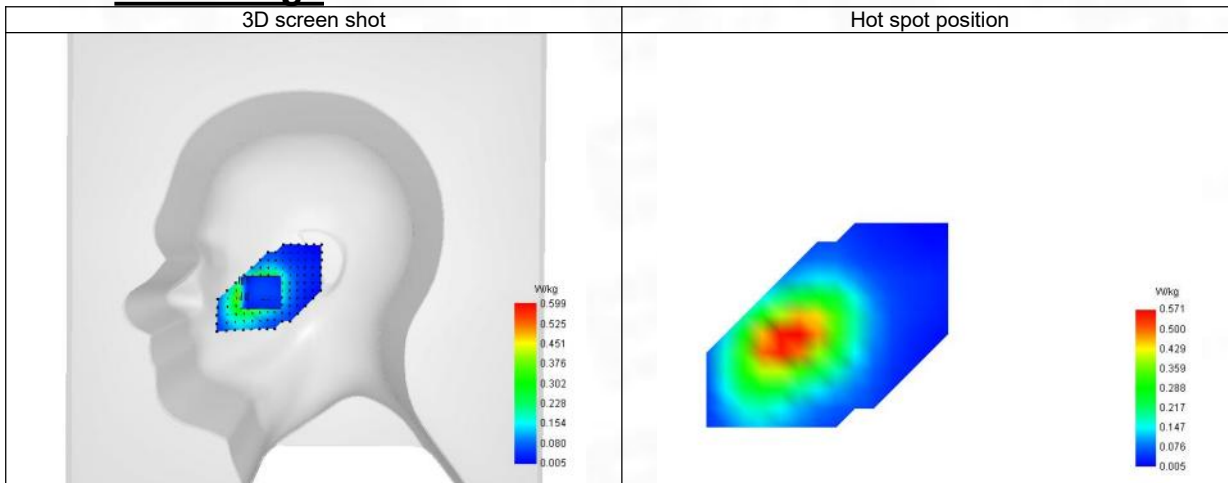
SAR 10g (W/Kg)	0.349
SAR 1g (W/Kg)	0.566
Variation (%)	1.580
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.682391

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.815	0.599	0.411	0.288	0.199	0.137	0.089



F. 3D Image



8-Body with front position in dist. 10mm on Channel 1312 in WCDMA Band 4

SAR Measurement at Band 4 (1700) (Body, Validation Plane)

Date of measurement: 9/5/2026

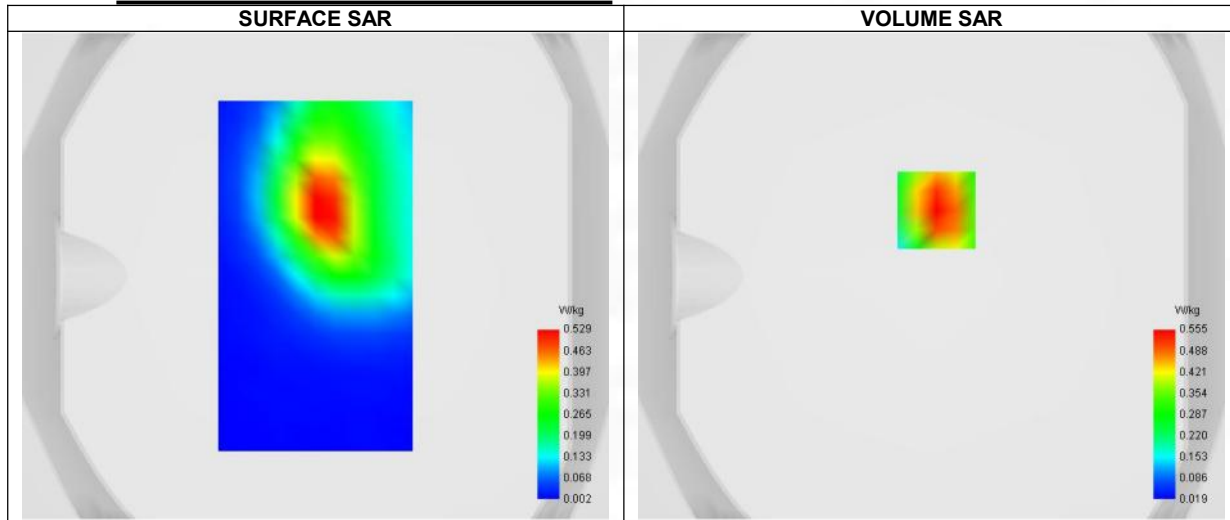
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 4 (1700)
Channels/Frequency	Lower (1312)/ frequency 1712.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1712.400
Relative permittivity (real part)	40.337
Relative permittivity (imaginary part)	15.937
Conductivity (S/m)	1.329

C. SAR Surface and Volume



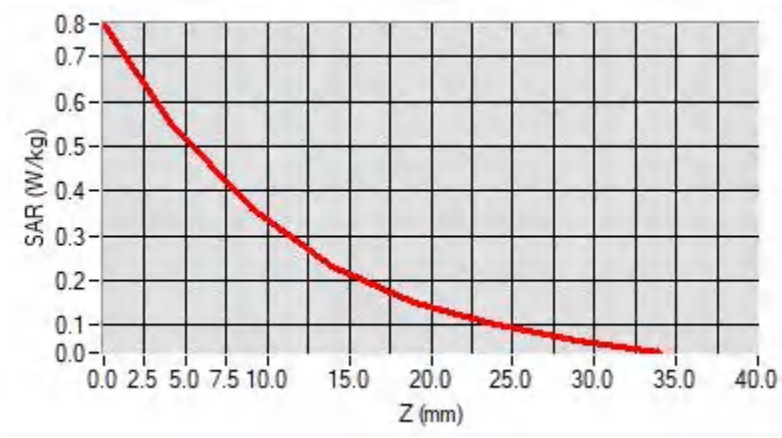
Maximum location: X=2.00, Y=27.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

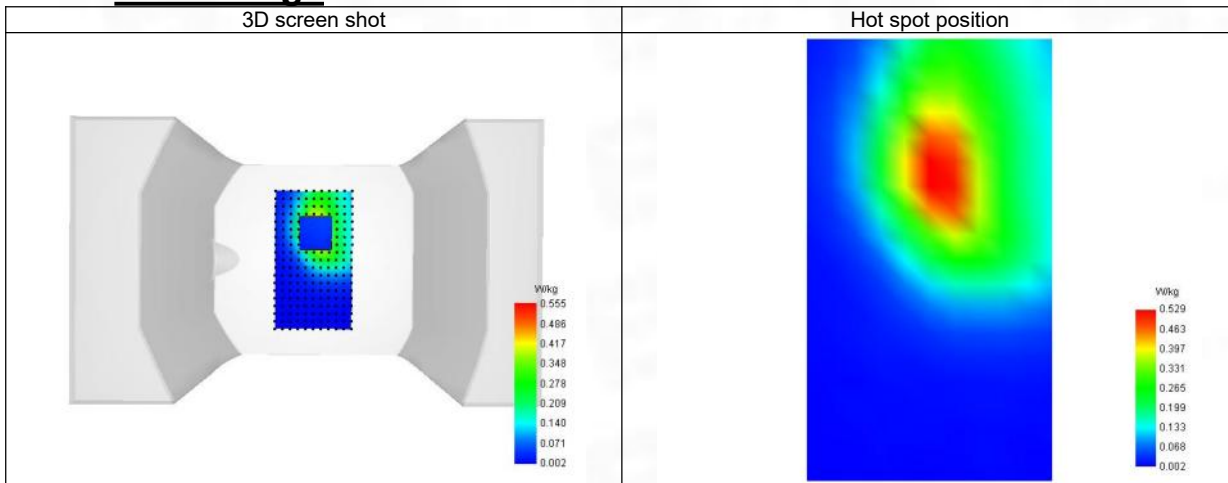
SAR 10g (W/Kg)	0.317
SAR 1g (W/Kg)	0.526
Variation (%)	-4.290
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.238475

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.773	0.555	0.362	0.233	0.152	0.100	0.066



F. 3D Image



9-Head with front position in dist. 0mm on Channel 4132 in WCDMA Band 5

SAR Measurement at Band 5 (850) (Cheek, Right)

Date of measurement: 7/5/2026

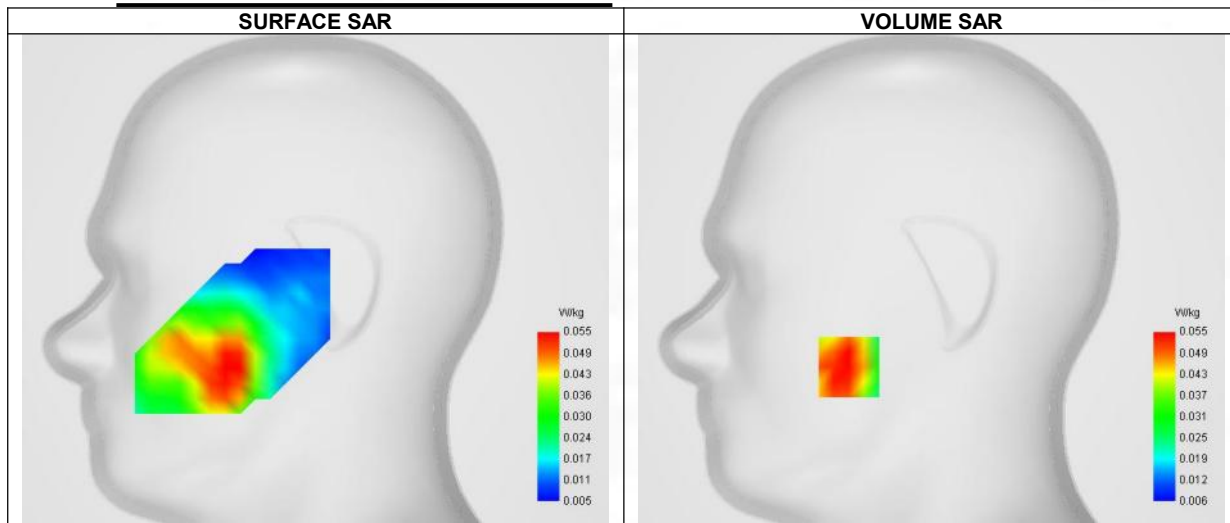
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Band 5 (850)
Channels/Frequency	Lower (4132)/ frequency 826.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	826.400
Relative permittivity (real part)	41.892
Relative permittivity (imaginary part)	19.503
Conductivity (S/m)	0.884

C. SAR Surface and Volume



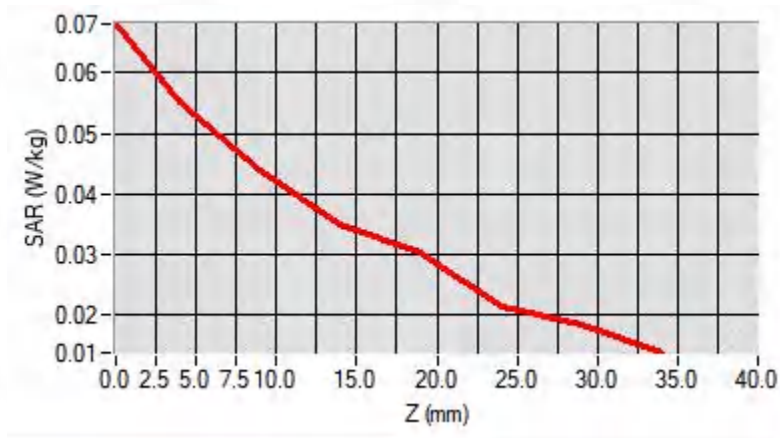
Maximum location: X=-44.00, Y=-47.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

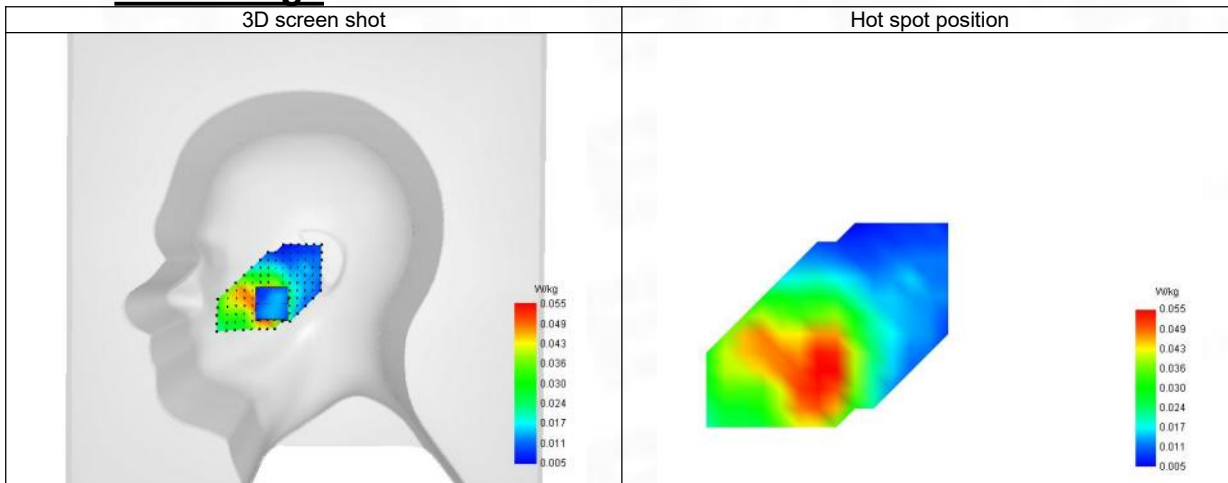
SAR 10g (W/Kg)	0.039
SAR 1g (W/Kg)	0.053
Variation (%)	-3.250
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	78.434007

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.068	0.055	0.044	0.035	0.030	0.022	0.019



F. 3D Image



10-Body with back position in dist. 10mm on Channel 4132 in WCDMA Band 5

SAR Measurement at Band 5 (850) (Body, Validation Plane)

Date of measurement: 7/5/2026

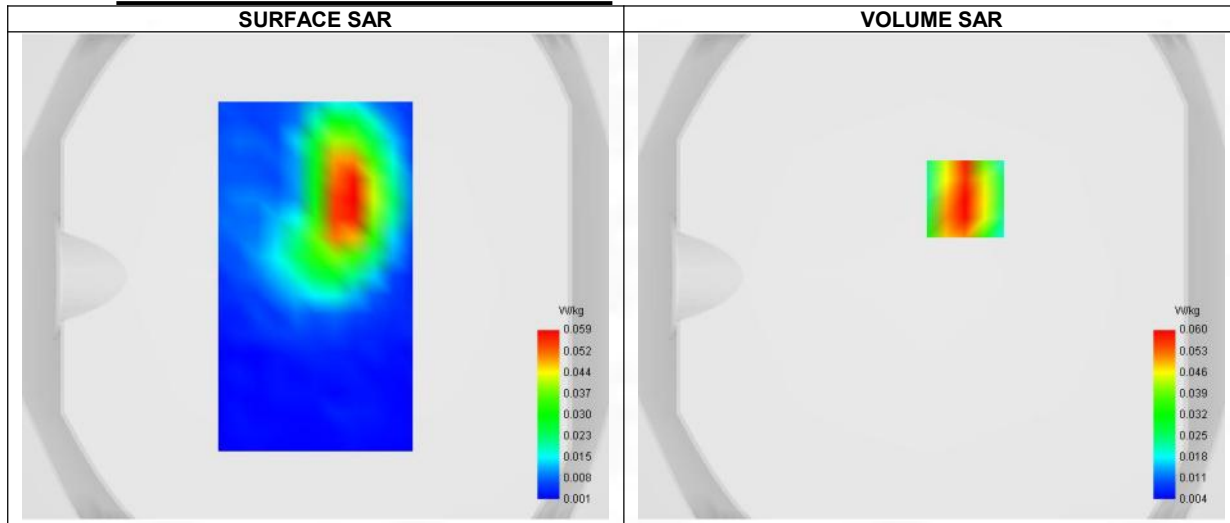
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Band 5 (850)
Channels/Frequency	Lower (4132)/ frequency 826.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	826.400
Relative permittivity (real part)	41.892
Relative permittivity (imaginary part)	19.503
Conductivity (S/m)	0.884

C. SAR Surface and Volume



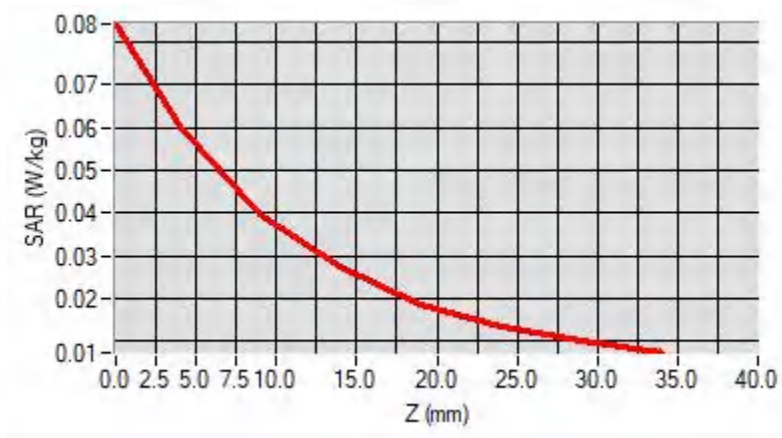
Maximum location: X=14.00, Y=32.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

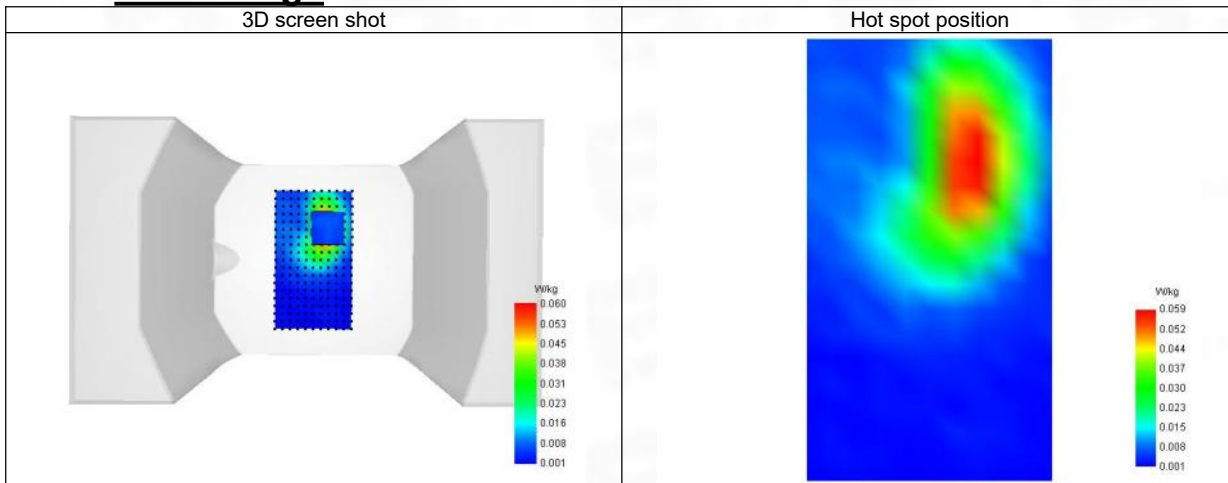
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.057
Variation (%)	-1.040
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.336928

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.084	0.060	0.039	0.028	0.019	0.013	0.010



F. 3D Image



11-Head with front position in dist. 0mm on Channel 19100 in LTE band 2

SAR Measurement at LTE band 2 (Cheek, Right)

Date of measurement: 11/5/2026

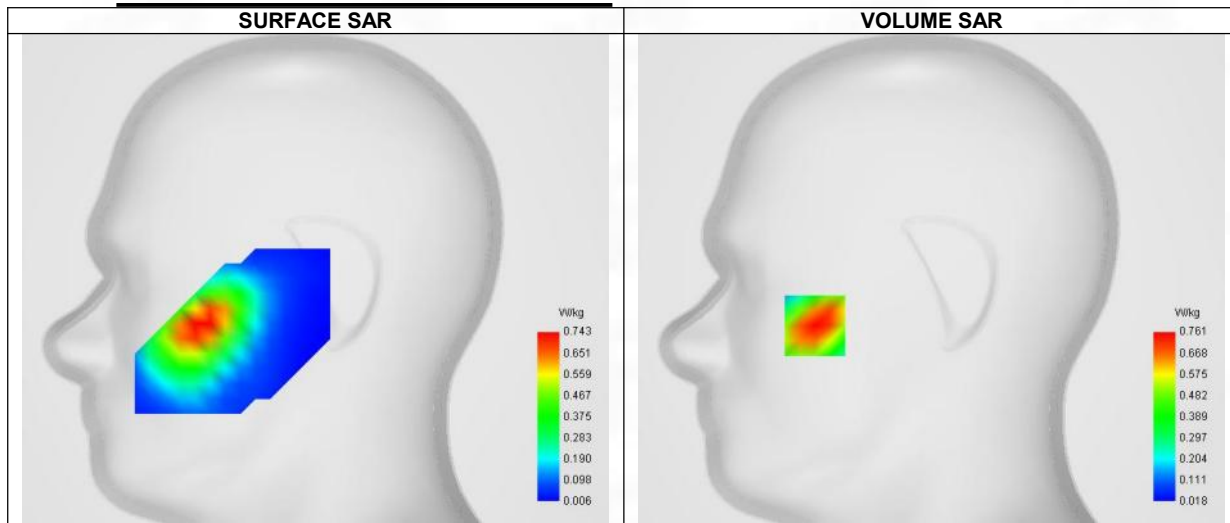
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Channels/Frequency	Higher (19100)/ frequency 1900.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1900.090
Relative permittivity (real part)	40.262
Relative permittivity (imaginary part)	13.485
Conductivity (S/m)	1.378

C. SAR Surface and Volume



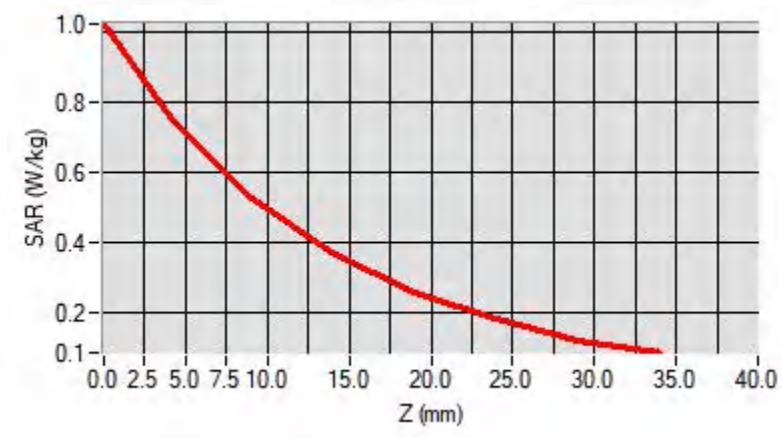
Maximum location: X=-62.00, Y=-25.00 ; SAR Peak: 1.04 W/kg

D. SAR 1g & 10g

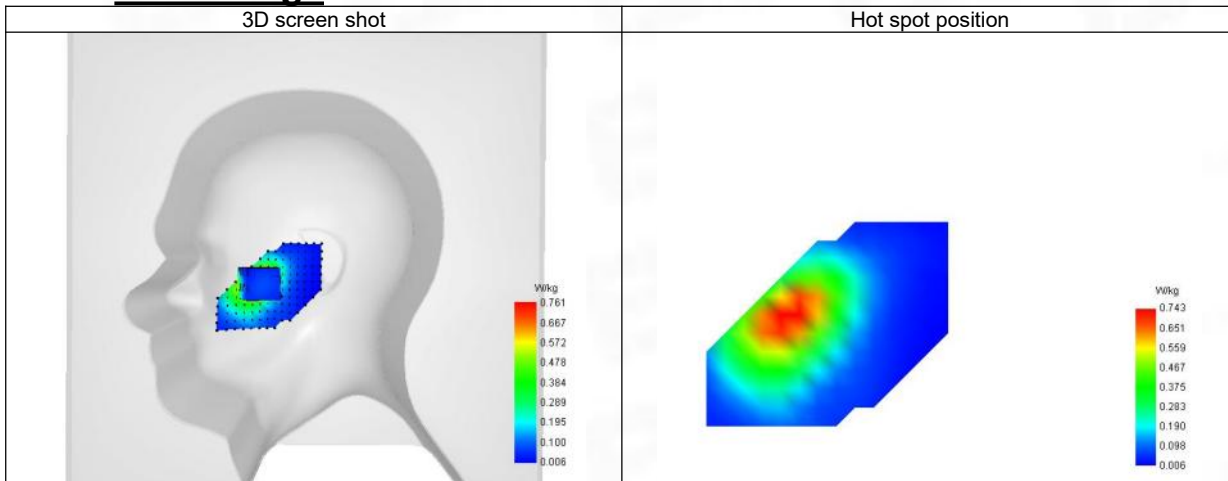
SAR 10g (W/Kg)	0.446
SAR 1g (W/Kg)	0.722
Variation (%)	-0.260
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.204089

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.023	0.761	0.527	0.368	0.254	0.177	0.119



F. 3D Image



12-Body with front position in dist. 10mm on Channel 19100 in LTE band 2

SAR Measurement at LTE band 2 (Body, Validation Plane)

Date of measurement: 11/5/2026

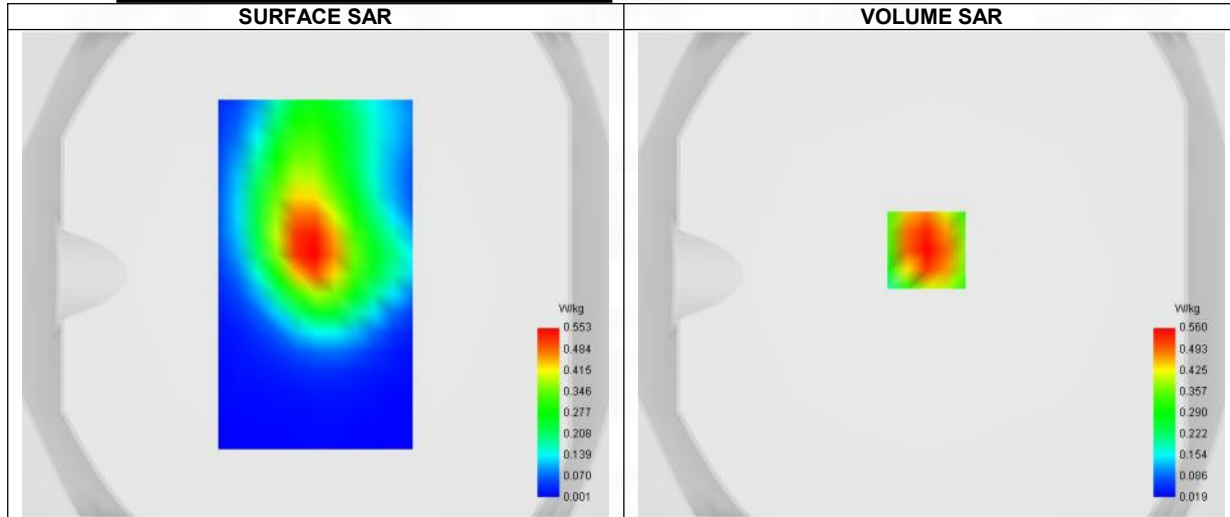
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels/Frequency	Higher (19100)/ frequency 1900.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1900.090
Relative permittivity (real part)	40.262
Relative permittivity (imaginary part)	13.485
Conductivity (S/m)	1.378

C. SAR Surface and Volume

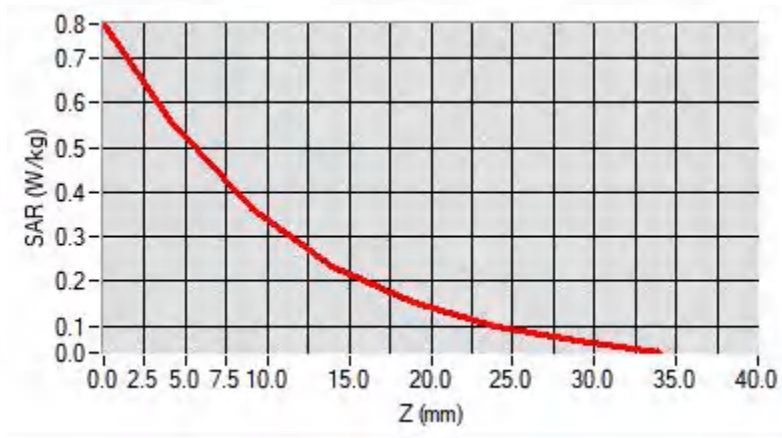


D. SAR 1g & 10g

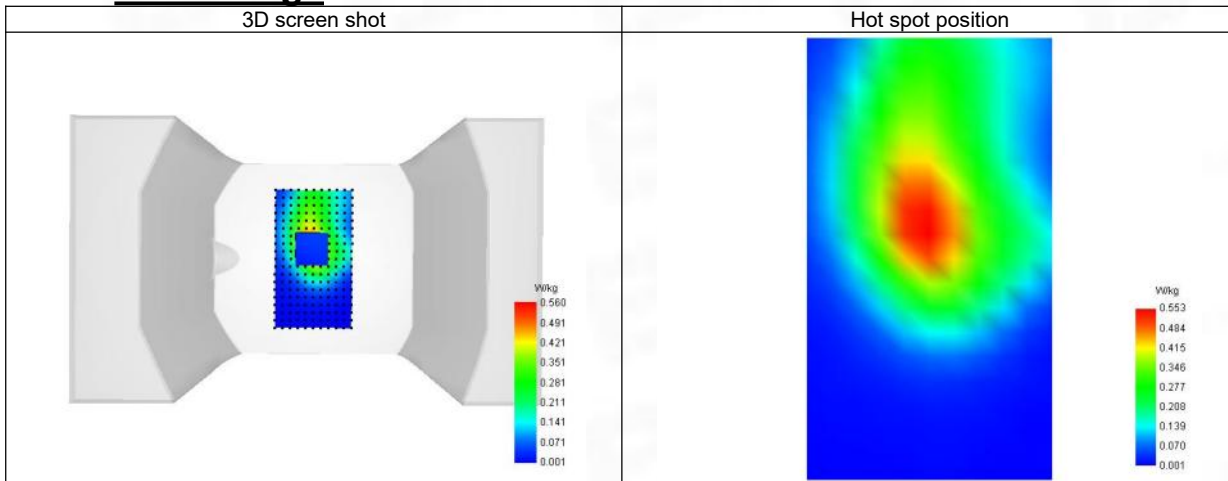
SAR 10g (W/Kg)	0.328
SAR 1g (W/Kg)	0.535
Variation (%)	-0.450
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.219931

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.777	0.560	0.366	0.235	0.151	0.100	0.065



F. 3D Image



13-Head with front position in dist. 0mm on Channel 20050 in LTE band 4

SAR Measurement at LTE band 4 (Cheek, Right)

Date of measurement: 9/5/2026

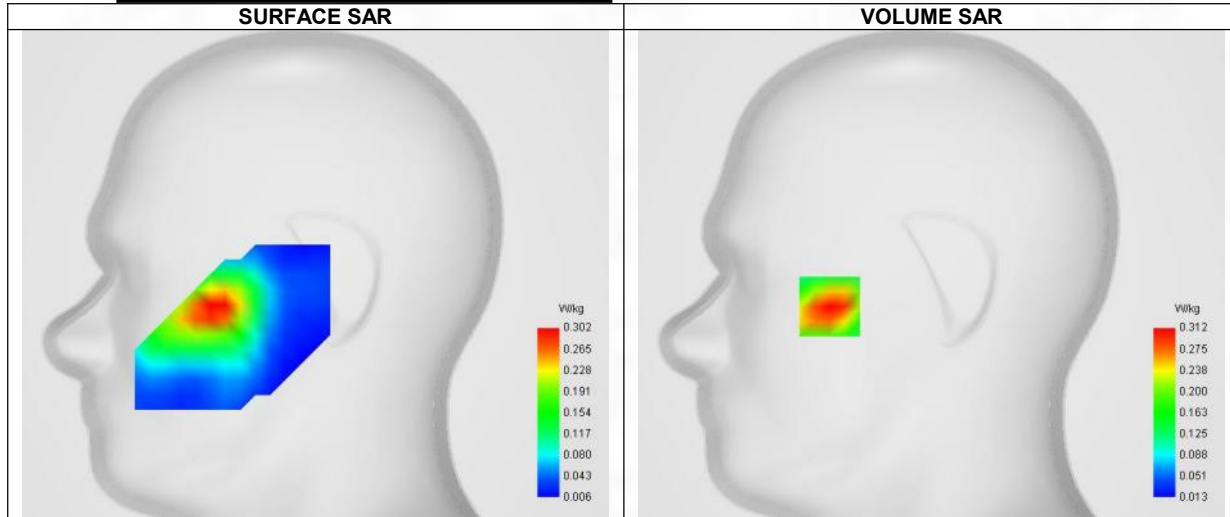
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 4
Channels/Frequency	Lower (20050)/ frequency 1720.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1720.090
Relative permittivity (real part)	40.324
Relative permittivity (imaginary part)	15.905
Conductivity (S/m)	1.333

C. SAR Surface and Volume



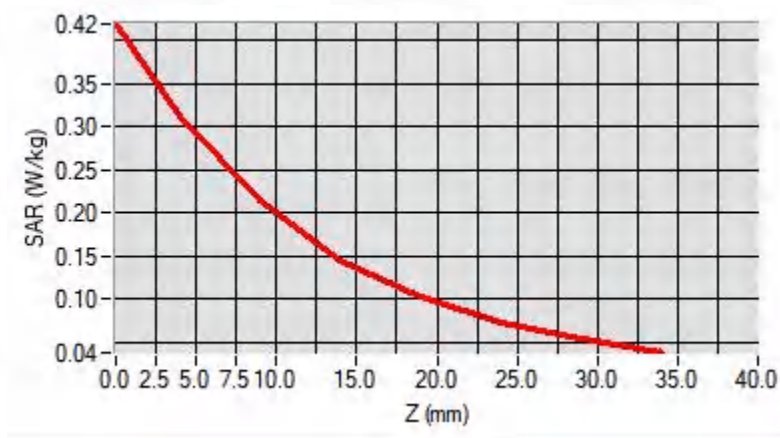
Maximum location: X=-54.00, Y=-17.00 ; SAR Peak: 0.43 W/kg

D. SAR 1g & 10g

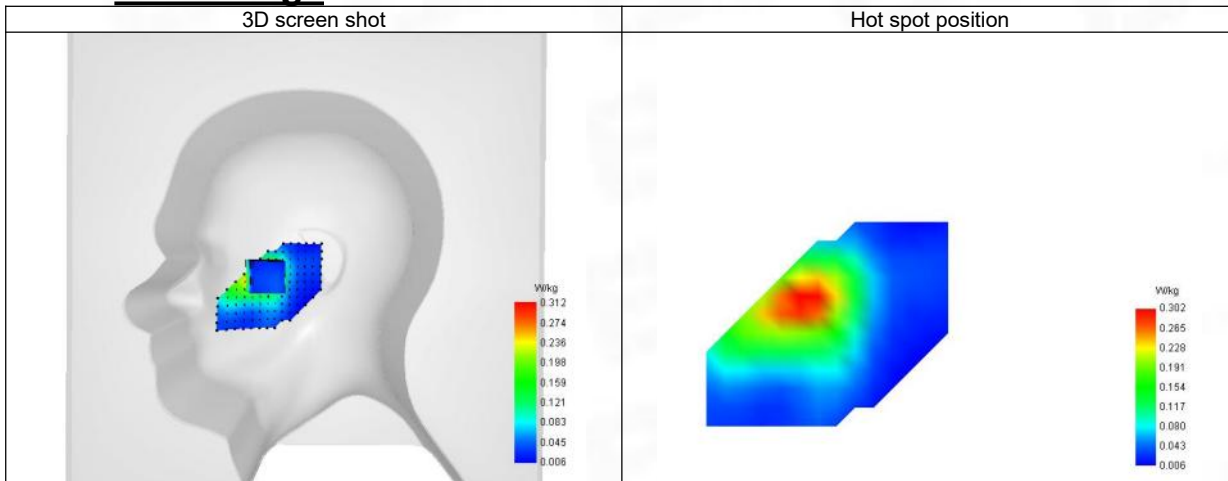
SAR 10g (W/Kg)	0.184
SAR 1g (W/Kg)	0.295
Variation (%)	-2.470
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.333950

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.420	0.312	0.213	0.145	0.102	0.072	0.054



F. 3D Image



14-Body with front position in dist. 10mm on Channel 20050 in LTE band 4

SAR Measurement at LTE band 4 (Body, Validation Plane)

Date of measurement: 9/5/2026

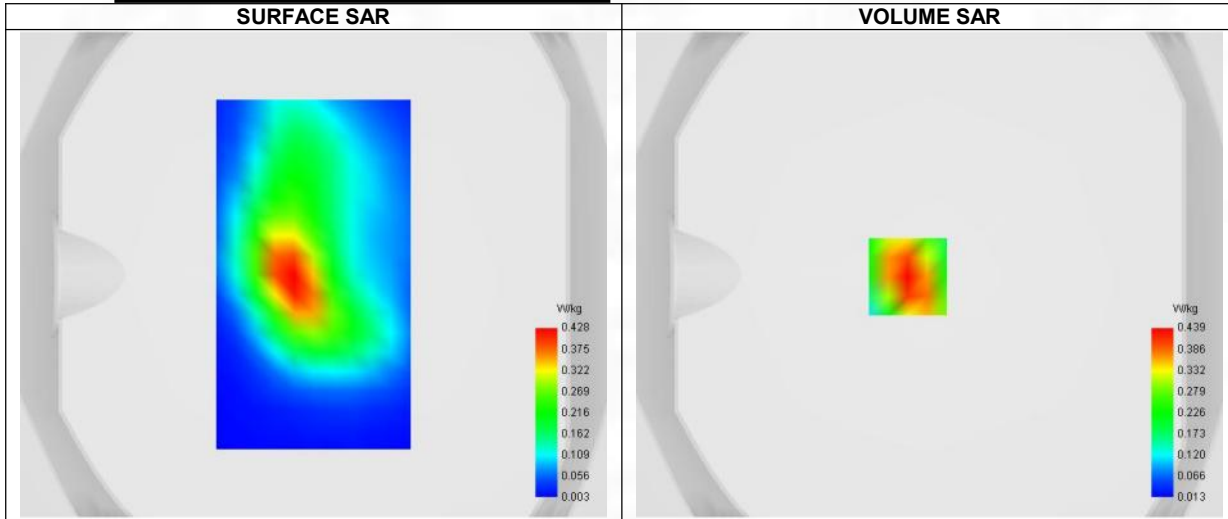
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 4
Channels/Frequency	Lower (20050)/ frequency 1720.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1720.090
Relative permittivity (real part)	40.324
Relative permittivity (imaginary part)	15.905
Conductivity (S/m)	1.333

C. SAR Surface and Volume

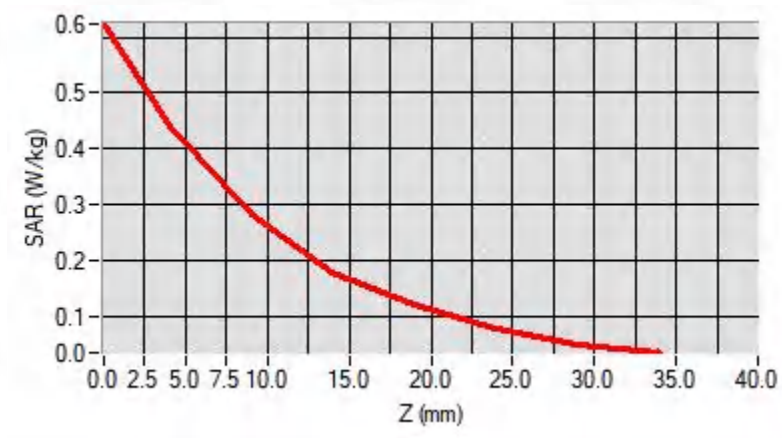


D. SAR 1g & 10g

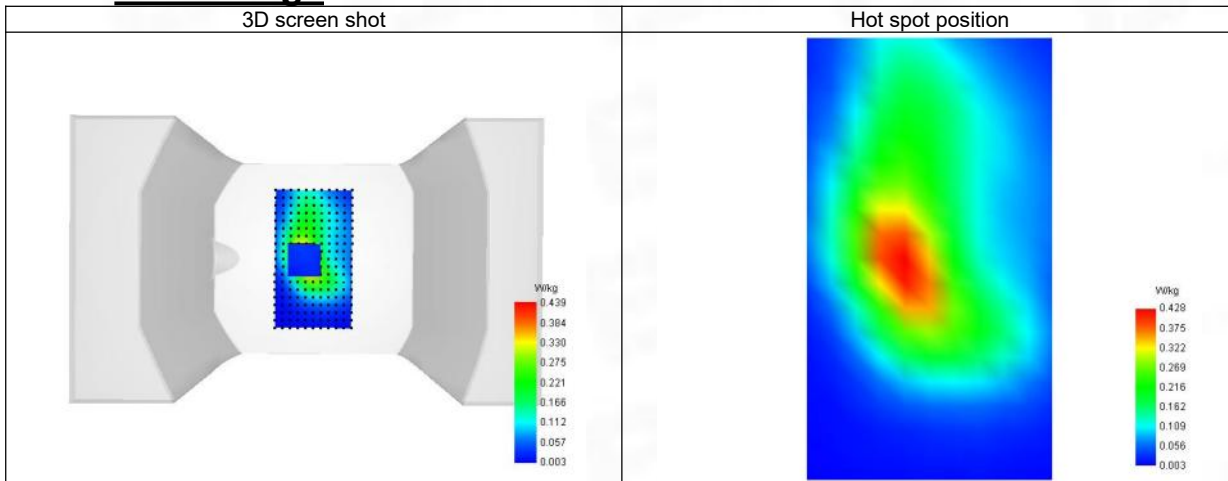
SAR 10g (W/Kg)	0.247
SAR 1g (W/Kg)	0.415
Variation (%)	-1.910
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	64.363741

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.624	0.439	0.282	0.179	0.119	0.077	0.050



F. 3D Image



15-Head with front position in dist. 0mm on Channel 20450 in LTE band 5

SAR Measurement at LTE band 5 (Cheek, Right)

Date of measurement: 7/5/2026

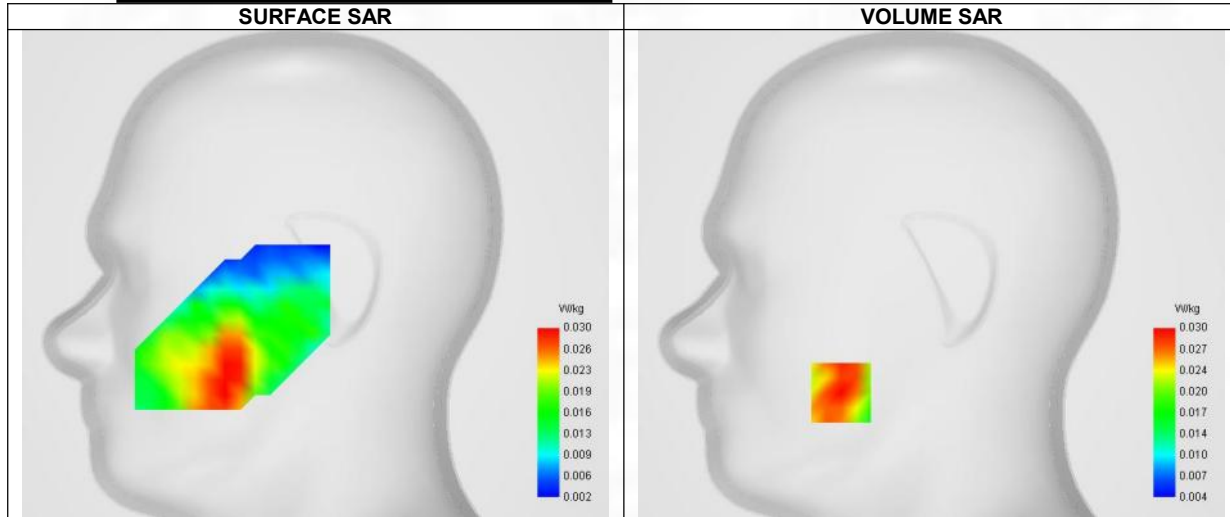
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 5
Channels/Frequency	Lower (20450)/ frequency 829.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	829.090
Relative permittivity (real part)	41.883
Relative permittivity (imaginary part)	19.515
Conductivity (S/m)	0.885

C. SAR Surface and Volume



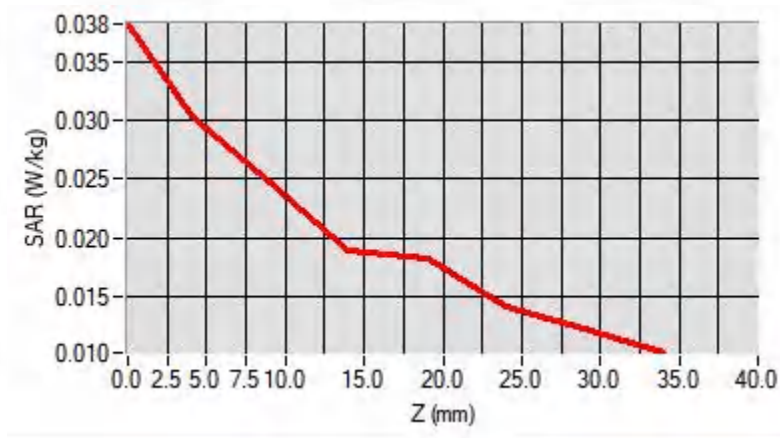
Maximum location: X=-48.00, Y=-63.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

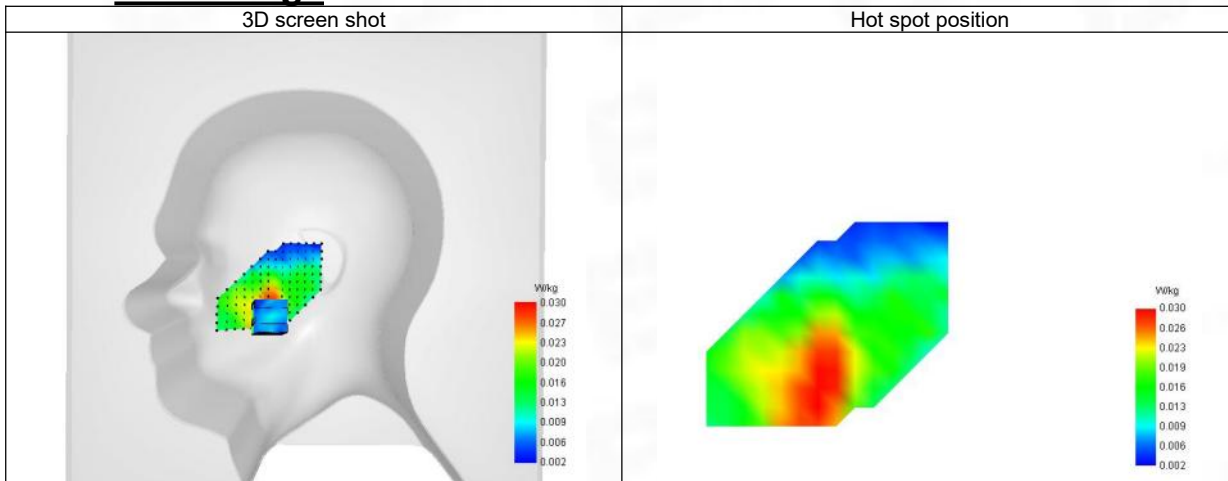
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.029
Variation (%)	-3.340
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	79.541311

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.038	0.030	0.025	0.019	0.018	0.014	0.012



F. 3D Image



16-Body with back position in dist. 10mm on Channel 20450 in LTE band 5

SAR Measurement at LTE band 5 (Body, Validation Plane)

Date of measurement: 7/5/2026

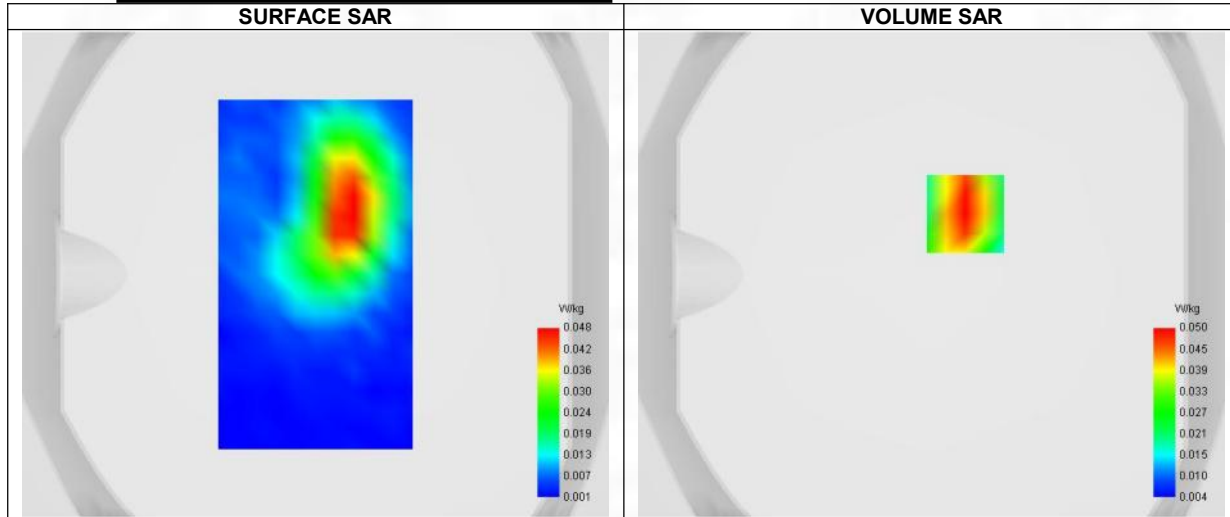
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 5
Channels/Frequency	Lower (20450)/ frequency 829.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	829.090
Relative permittivity (real part)	41.883
Relative permittivity (imaginary part)	19.515
Conductivity (S/m)	0.885

C. SAR Surface and Volume

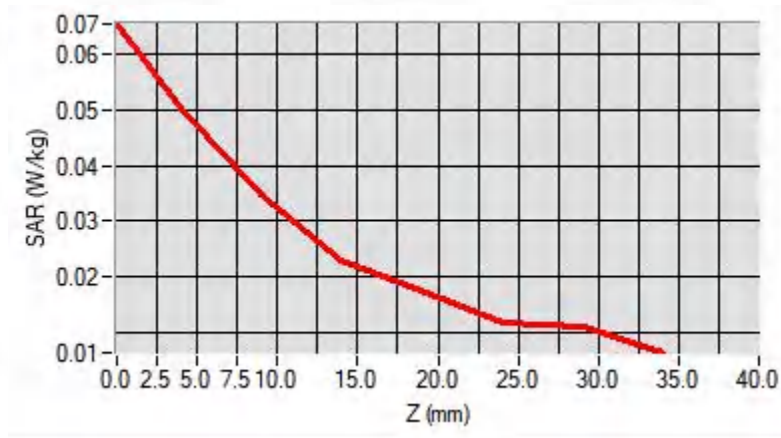


D. SAR 1g & 10g

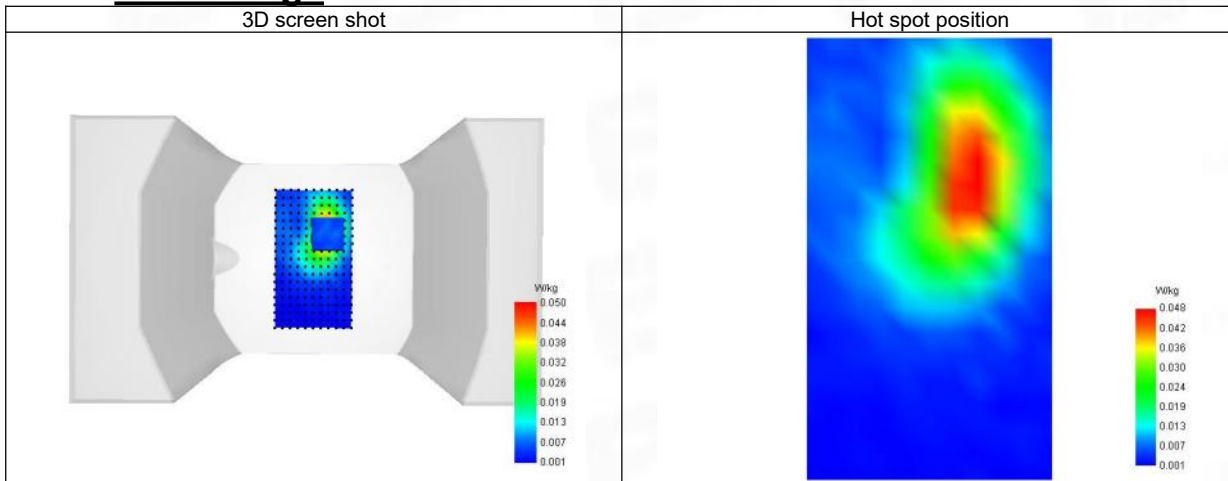
SAR 10g (W/Kg)	0.030
SAR 1g (W/Kg)	0.047
Variation (%)	3.280
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	68.958205

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.066	0.050	0.035	0.023	0.017	0.012	0.011



F. 3D Image



17-Head with front position in dist. 0mm on Channel 21350 in LTE band 7

SAR Measurement at LTE band 7 (Cheek, Right)

Date of measurement: 13/5/2026

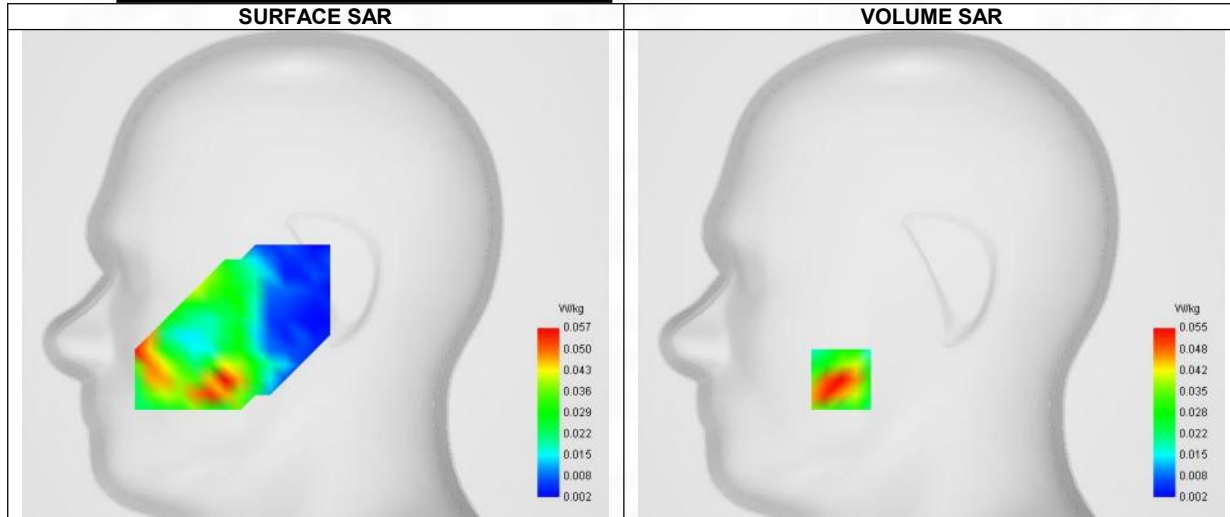
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 7
Channels/Frequency	Higher (21350)/ frequency 2560.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2560.010
Relative permittivity (real part)	38.705
Relative permittivity (imaginary part)	12.841
Conductivity (S/m)	1.886

C. SAR Surface and Volume



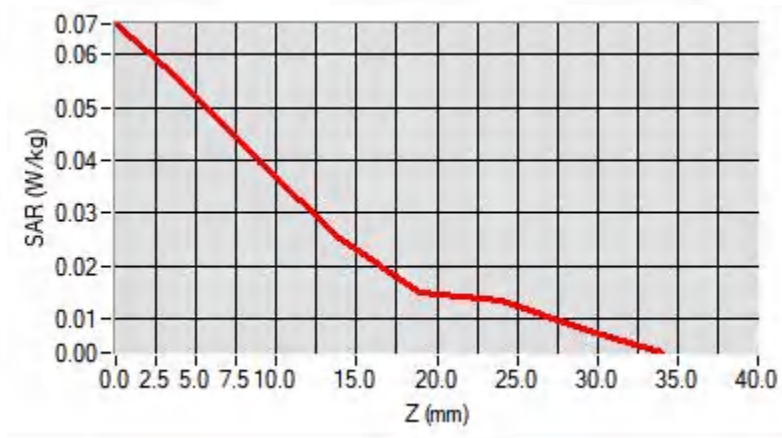
Maximum location: X=-48.00, Y=-56.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

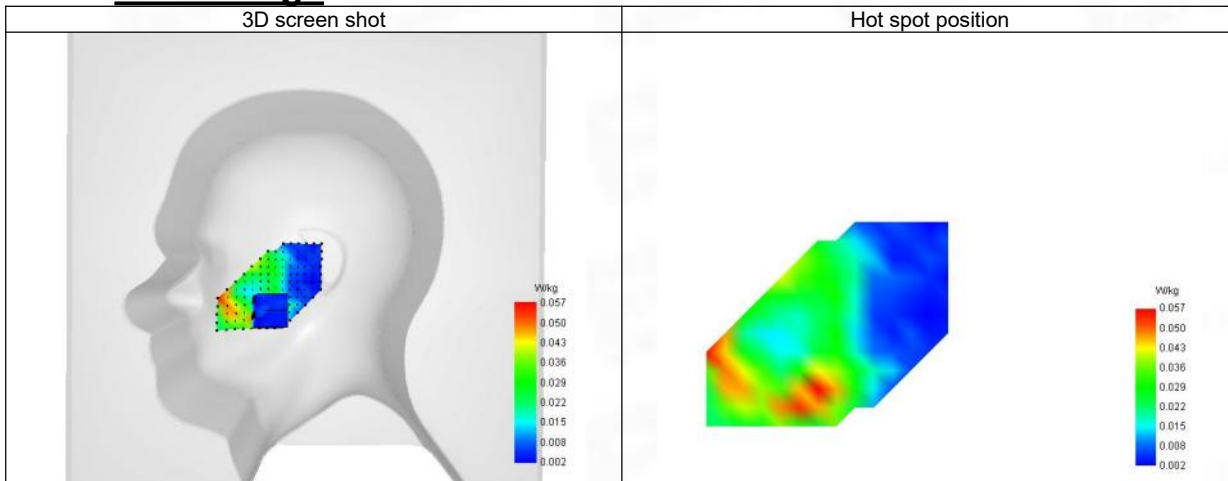
SAR 10g (W/Kg)	0.029
SAR 1g (W/Kg)	0.051
Variation (%)	-2.690
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	71.918530

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.066	0.055	0.040	0.025	0.015	0.013	0.008



F. 3D Image



18-Body with front position in dist. 10mm on Channel 21350 in LTE band 7

SAR Measurement at LTE band 7 (Body, Validation Plane)

Date of measurement: 13/5/2026

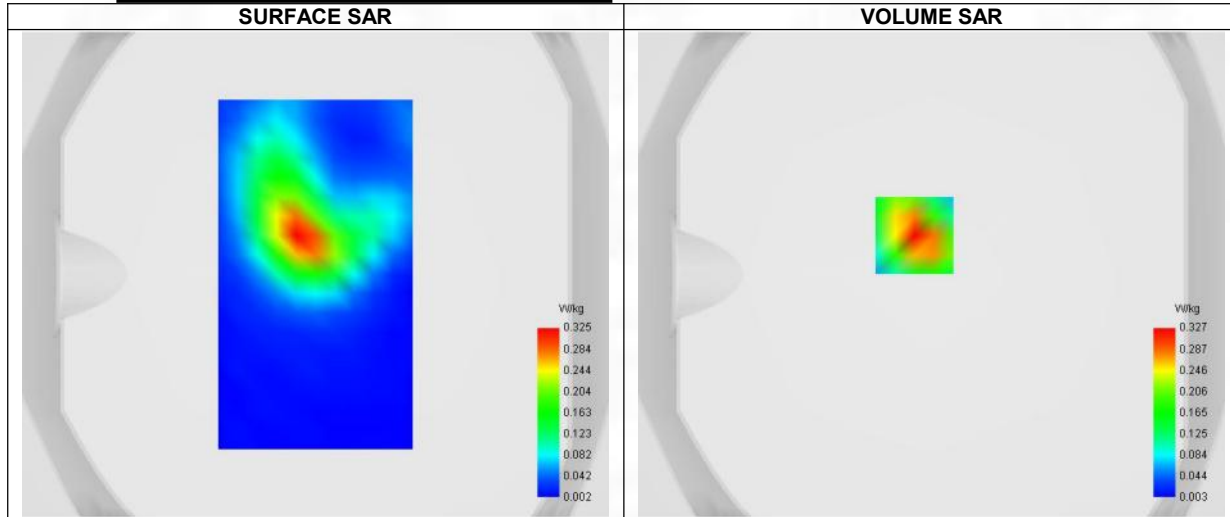
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 7
Channels/Frequency	Higher (21350)/ frequency 2560.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2560.010
Relative permittivity (real part)	38.705
Relative permittivity (imaginary part)	12.841
Conductivity (S/m)	1.886

C. SAR Surface and Volume

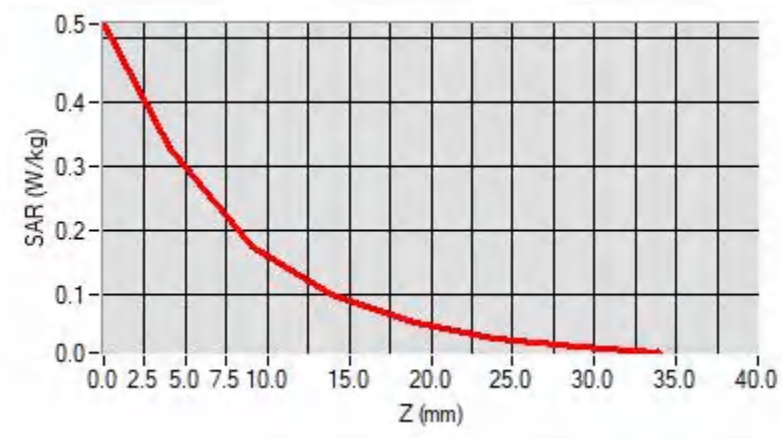


D. SAR 1g & 10g

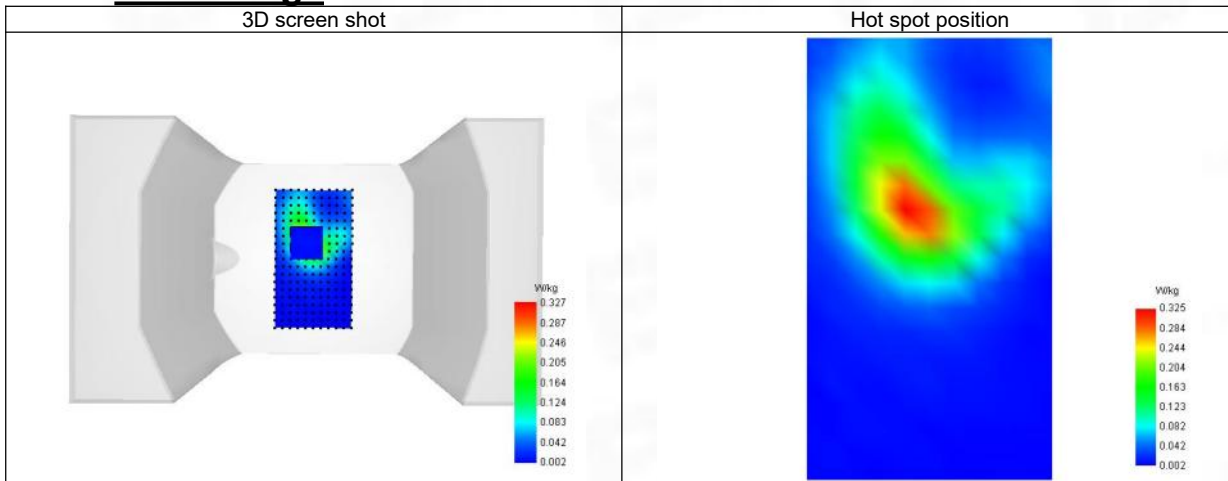
SAR 10g (W/Kg)	0.156
SAR 1g (W/Kg)	0.306
Variation (%)	-1.720
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.944906

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.522	0.327	0.177	0.102	0.056	0.032	0.019



F. 3D Image



19-Head with front position in dist. 0mm on Channel 23060 in LTE band 12

SAR Measurement at LTE band 12 (Cheek, Right)

Date of measurement: 5/5/2026

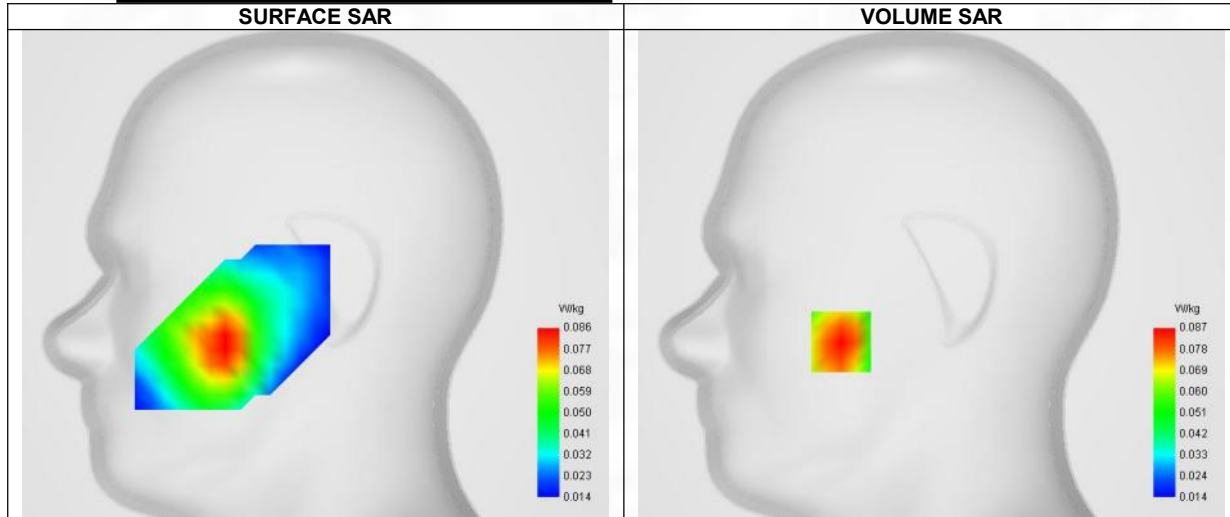
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 12
Channels/Frequency	Lower (23060)/ frequency 704.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	704.090
Relative permittivity (real part)	42.302
Relative permittivity (imaginary part)	18.941
Conductivity (S/m)	0.860

C. SAR Surface and Volume



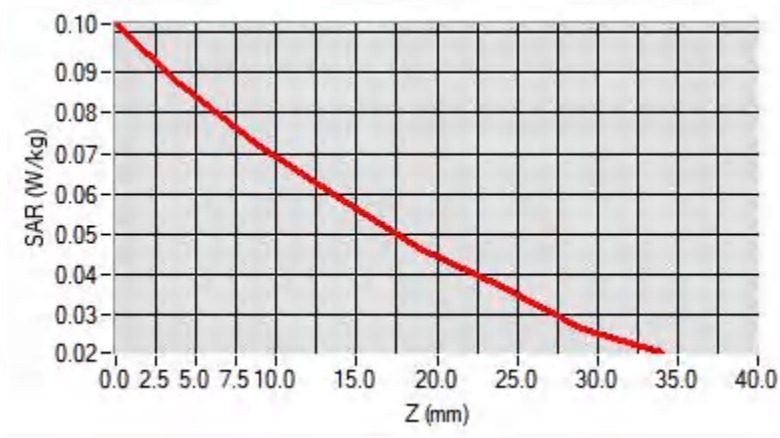
Maximum location: X=-48.00, Y=-36.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

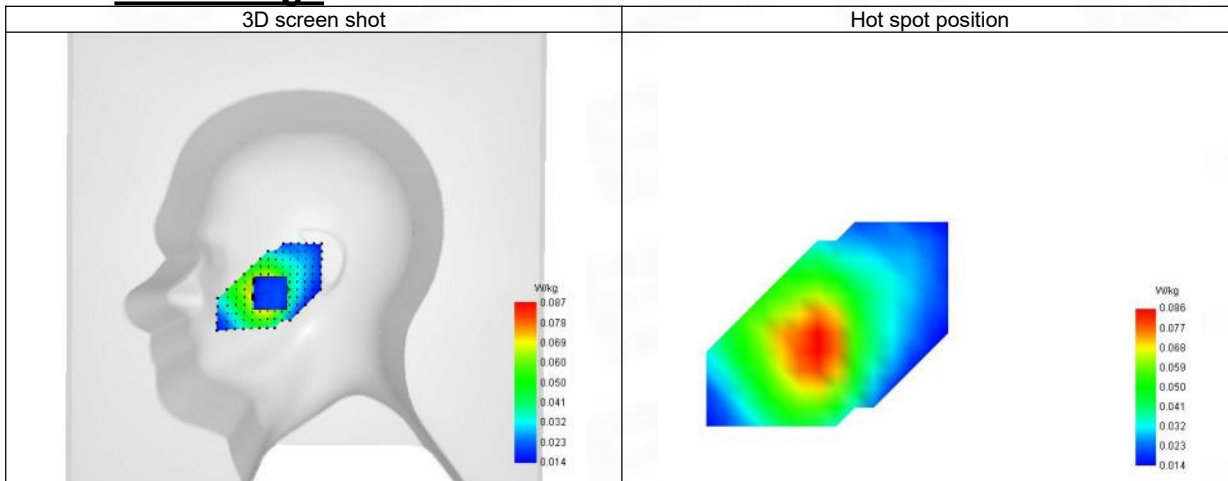
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.084
Variation (%)	-2.810
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.462156

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.102	0.087	0.072	0.059	0.046	0.037	0.027



F. 3D Image



20-Body with back position in dist. 10mm on Channel 23060 in LTE band 12

SAR Measurement at LTE band 12 (Body, Validation Plane)

Date of measurement: 5/5/2026

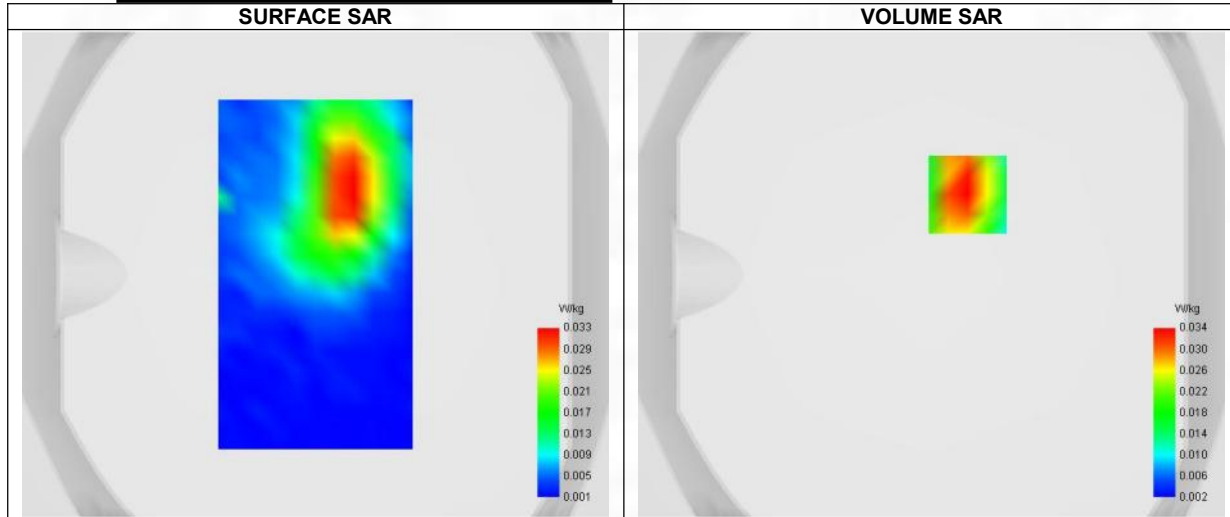
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Channels/Frequency	Lower (23060)/ frequency 704.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	704.090
Relative permittivity (real part)	42.302
Relative permittivity (imaginary part)	18.941
Conductivity (S/m)	0.860

C. SAR Surface and Volume

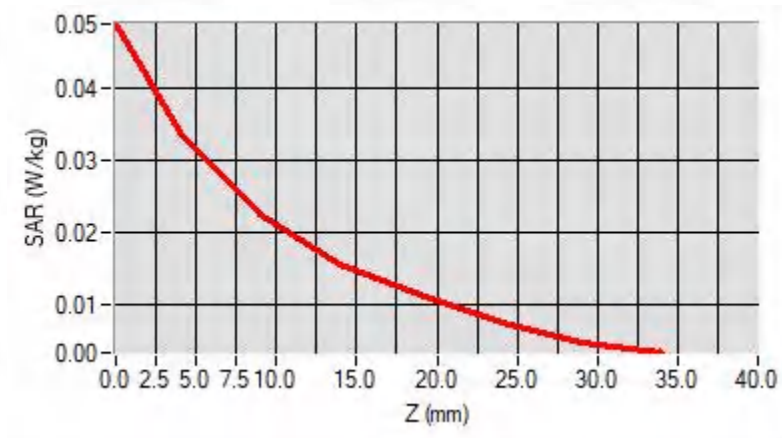


D. SAR 1g & 10g

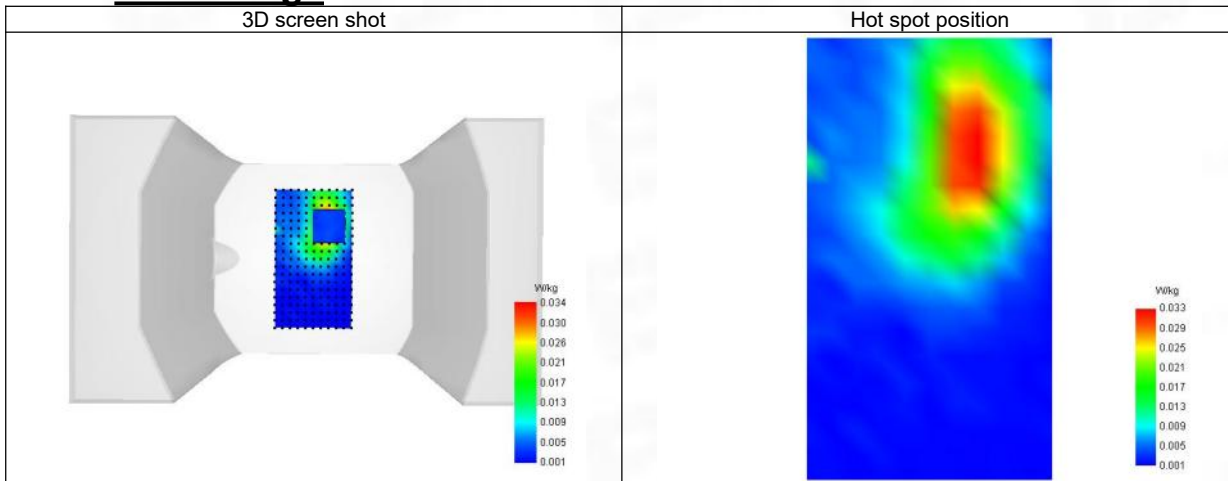
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.033
Variation (%)	-1.610
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.817823

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.049	0.034	0.023	0.016	0.012	0.008	0.005



F. 3D Image



21-Head with front position in dist. 0mm on Channel 23230 in LTE band 13

SAR Measurement at LTE band 13 (Cheek, Right)

Date of measurement: 5/5/2026

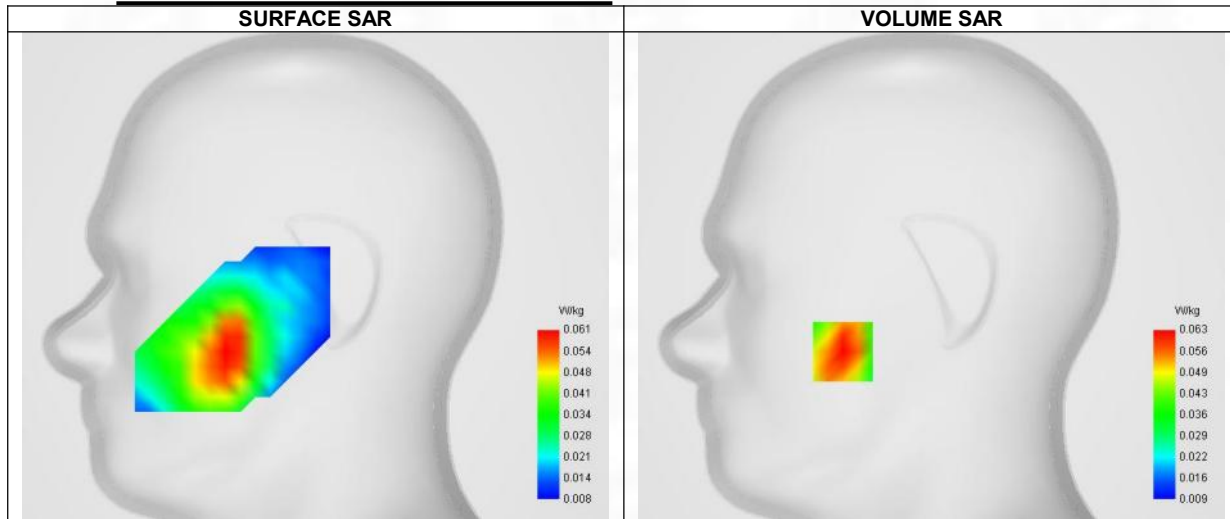
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 13
Channels/Frequency	Lower (23230)/ frequency 782.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	782.090
Relative permittivity (real part)	42.040
Relative permittivity (imaginary part)	19.299
Conductivity (S/m)	0.875

C. SAR Surface and Volume



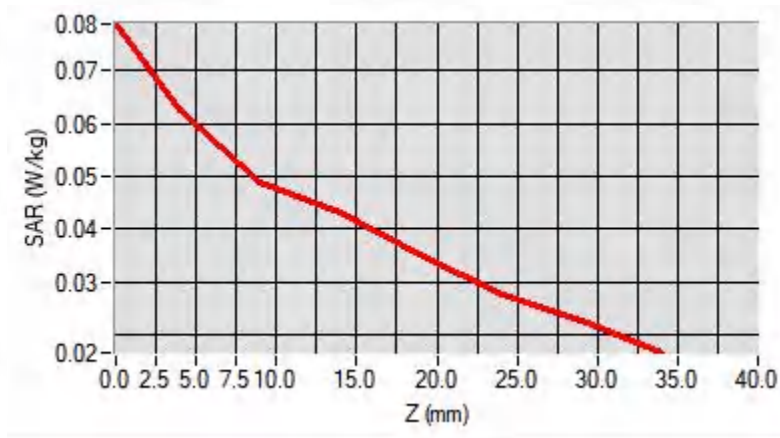
Maximum location: X=-47.00, Y=-40.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

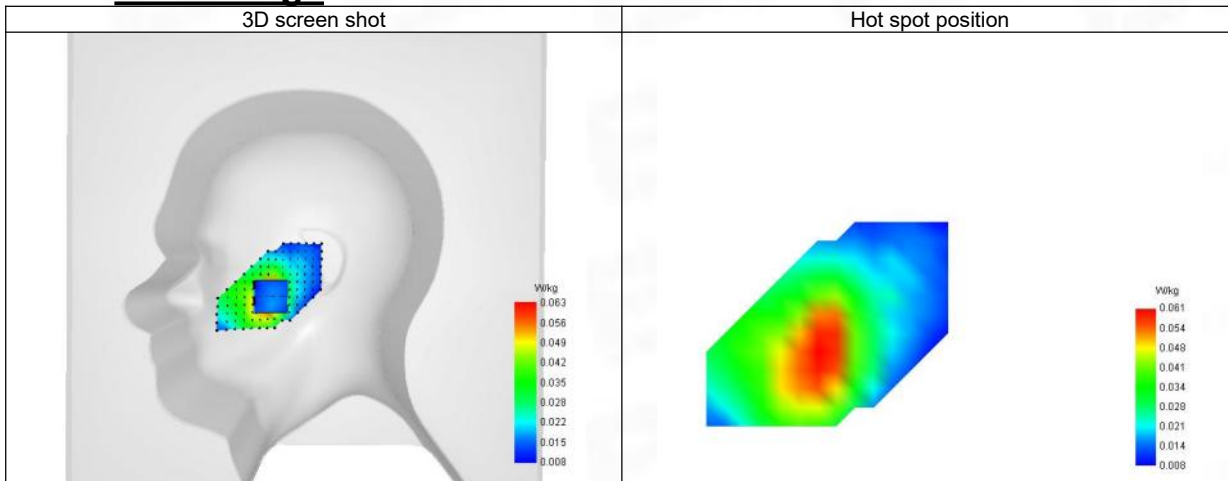
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.060
Variation (%)	3.700
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	78.265148

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.079	0.063	0.049	0.043	0.035	0.027	0.022



F. 3D Image



22-Body with back position in dist. 10mm on Channel 23230 in LTE band 13

SAR Measurement at LTE band 13 (Body, Validation Plane)

Date of measurement: 5/5/2026

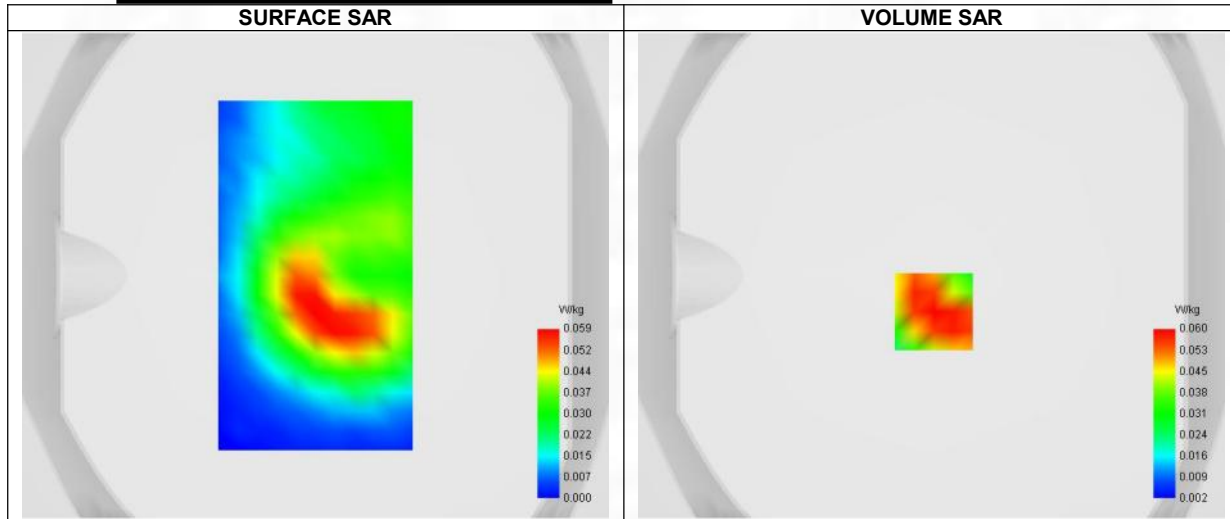
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 13
Channels/Frequency	Lower (23230)/ frequency 782.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	782.090
Relative permittivity (real part)	42.040
Relative permittivity (imaginary part)	19.299
Conductivity (S/m)	0.875

C. SAR Surface and Volume

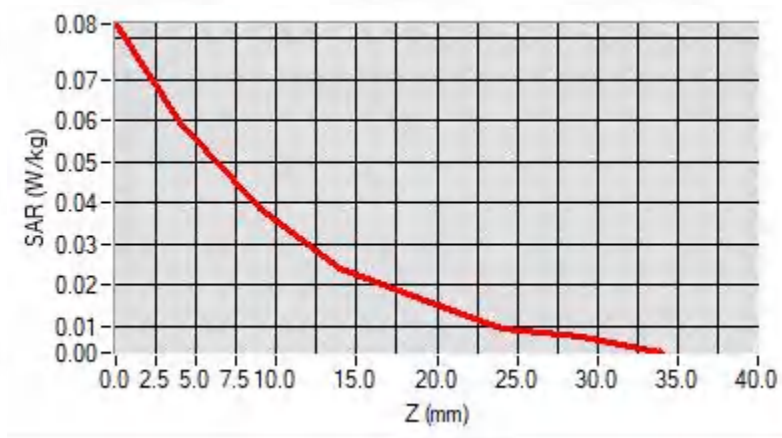


D. SAR 1g & 10g

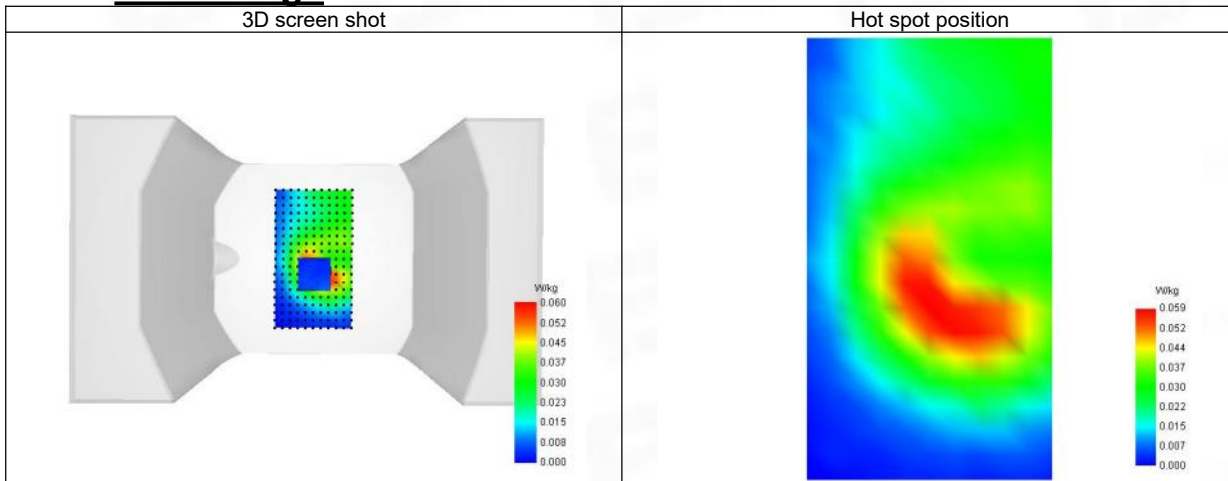
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.058
Variation (%)	0.840
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	64.568687

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.084	0.060	0.039	0.024	0.017	0.010	0.008



F. 3D Image



23-Head with front position in dist. 0mm on Channel 23780 in LTE band 17

SAR Measurement at LTE band 17 (Cheek, Right)

Date of measurement: 5/5/2026

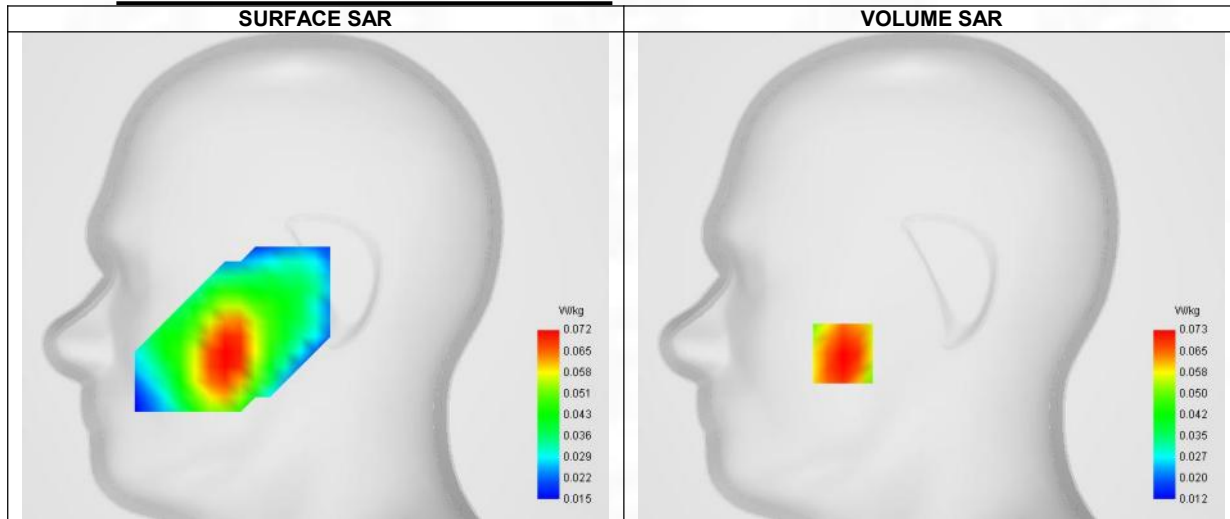
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 17
Channels/Frequency	Lower (23780)/ frequency 709.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	709.090
Relative permittivity (real part)	42.285
Relative permittivity (imaginary part)	18.964
Conductivity (S/m)	0.861

C. SAR Surface and Volume



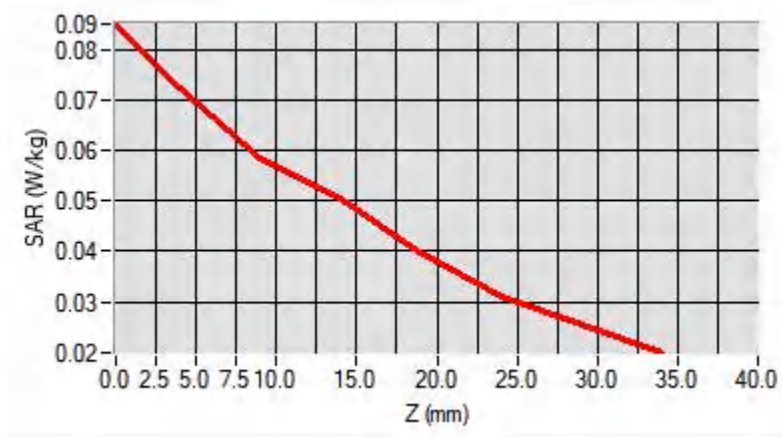
Maximum location: X=-47.00, Y=-41.00 ; SAR Peak: 0.09 W/kg

D. SAR 1g & 10g

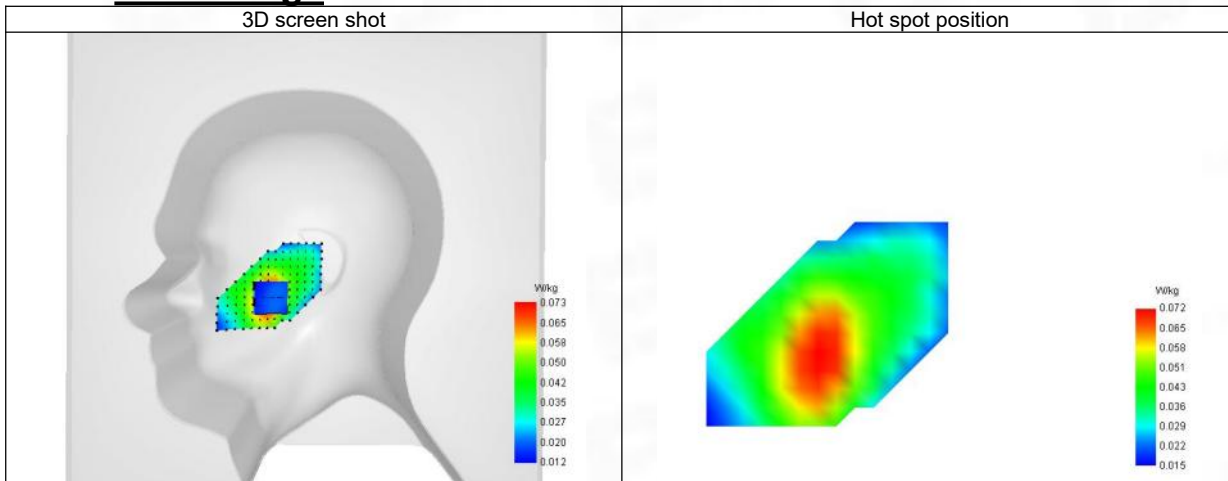
SAR 10g (W/Kg)	0.054
SAR 1g (W/Kg)	0.070
Variation (%)	-0.880
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.874167

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.085	0.073	0.059	0.051	0.040	0.031	0.026



F. 3D Image



24-Body with back position in dist. 10mm on Channel 23780 in LTE band 17

SAR Measurement at LTE band 17 (Body, Validation Plane)

Date of measurement: 5/5/2026

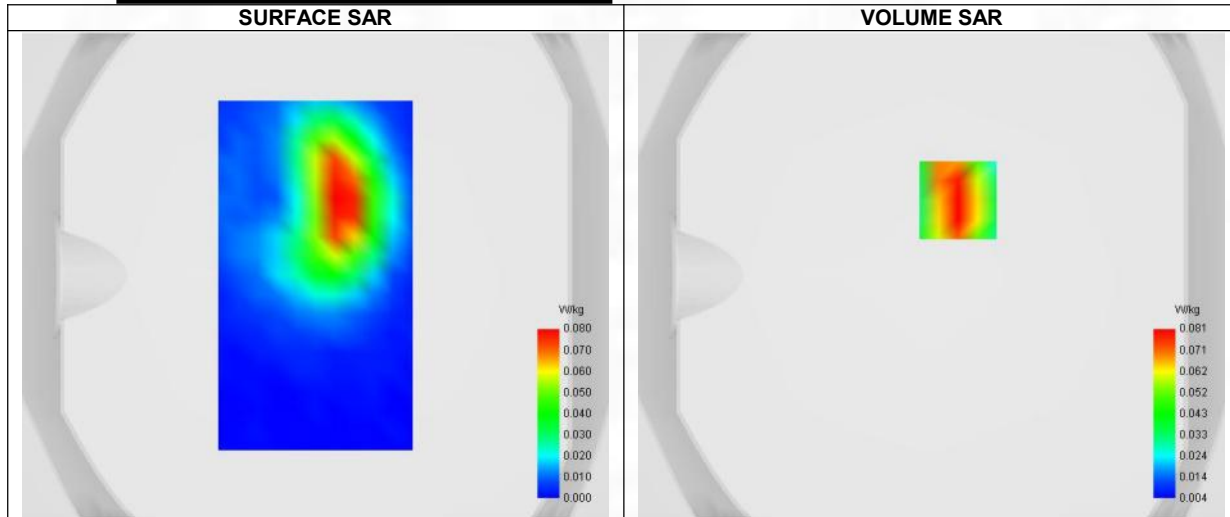
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 17
Channels/Frequency	Lower (23780)/ frequency 709.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	709.090
Relative permittivity (real part)	42.285
Relative permittivity (imaginary part)	18.964
Conductivity (S/m)	0.861

C. SAR Surface and Volume



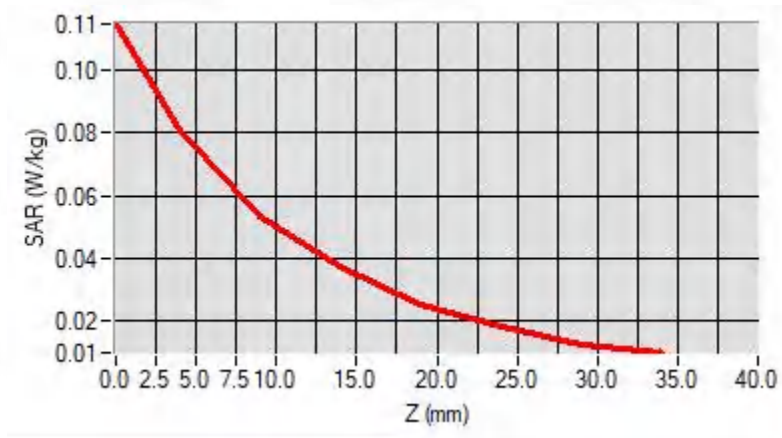
Maximum location: X=11.00, Y=31.00 ; SAR Peak: 0.12 W/kg

D. SAR 1g & 10g

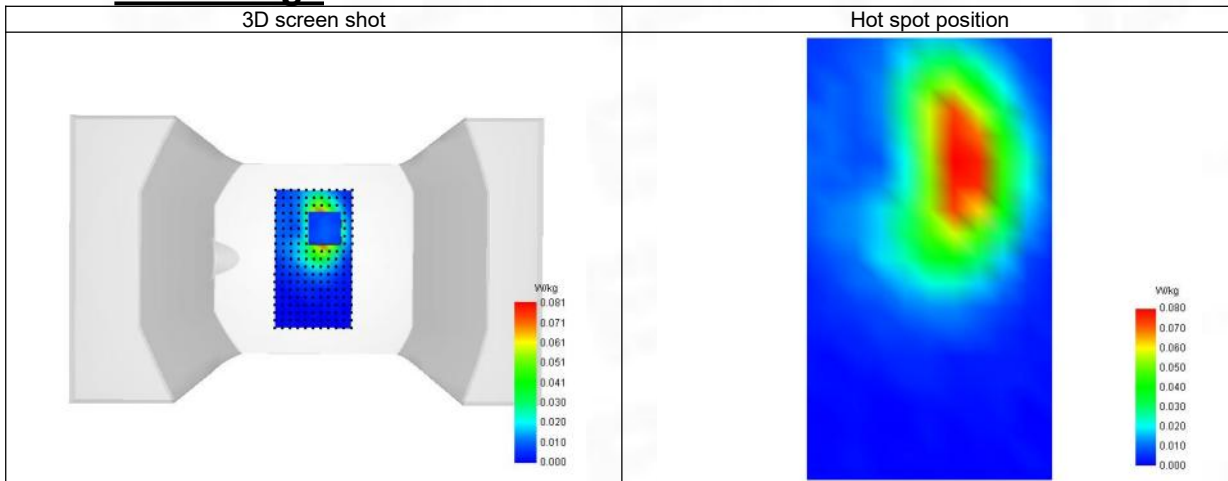
SAR 10g (W/Kg)	0.047
SAR 1g (W/Kg)	0.078
Variation (%)	3.210
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.677398

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.115	0.081	0.053	0.037	0.025	0.018	0.013



F. 3D Image



25-Head with front position in dist. 0mm on Channel 26590 in LTE band 25

SAR Measurement at LTE band 25 (Cheek, Right)

Date of measurement: 11/5/2026

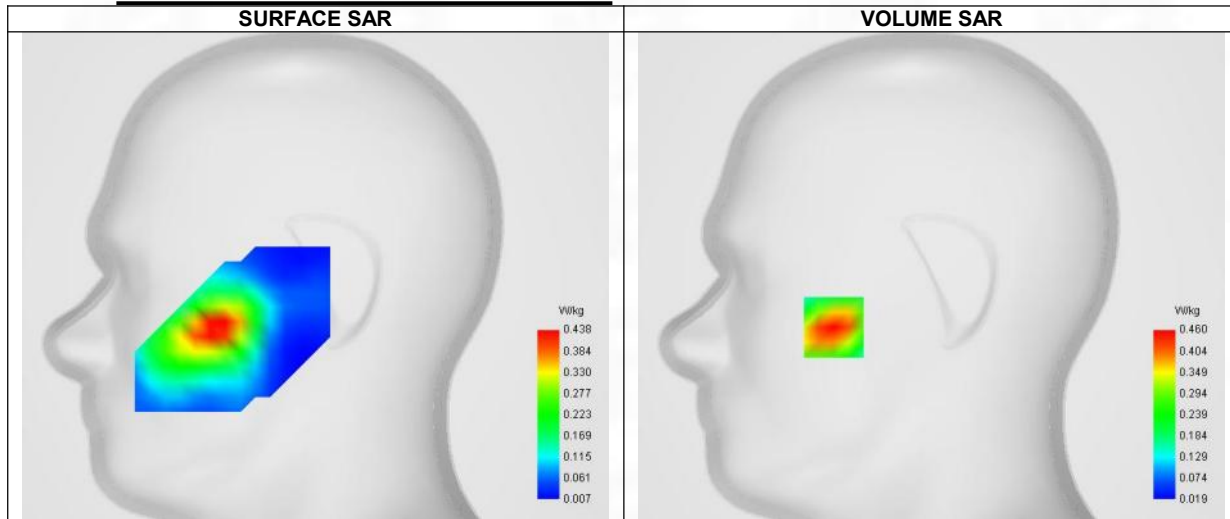
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 25
Channels/Frequency	Higher (26590)/ frequency 1905.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1905.090
Relative permittivity (real part)	40.249
Relative permittivity (imaginary part)	13.485
Conductivity (S/m)	1.382

C. SAR Surface and Volume



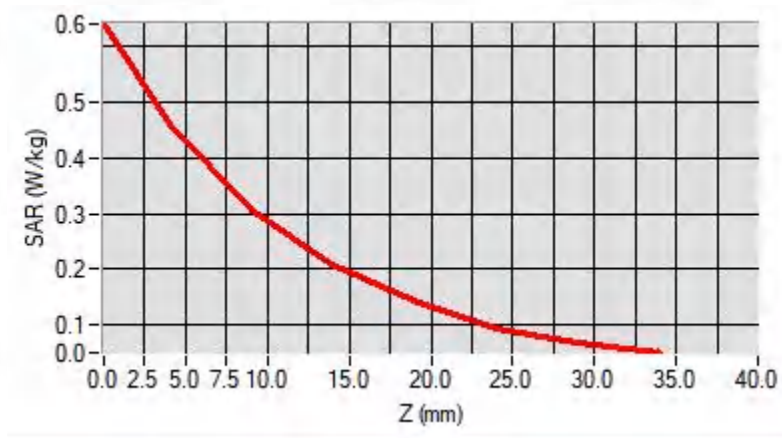
Maximum location: X=-52.00, Y=-27.00 ; SAR Peak: 0.64 W/kg

D. SAR 1g & 10g

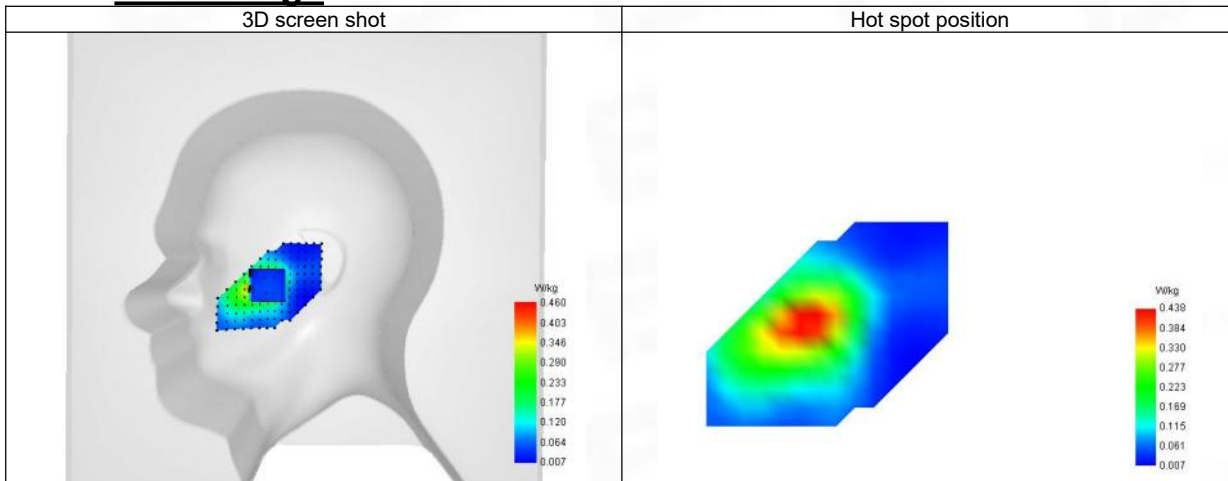
SAR 10g (W/Kg)	0.266
SAR 1g (W/Kg)	0.436
Variation (%)	-0.870
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.267724

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.641	0.460	0.305	0.209	0.144	0.095	0.069



F. 3D Image



26-Body with front position in dist. 10mm on Channel 26590 in LTE band 25

SAR Measurement at LTE band 25 (Body, Validation Plane)

Date of measurement: 11/5/2026

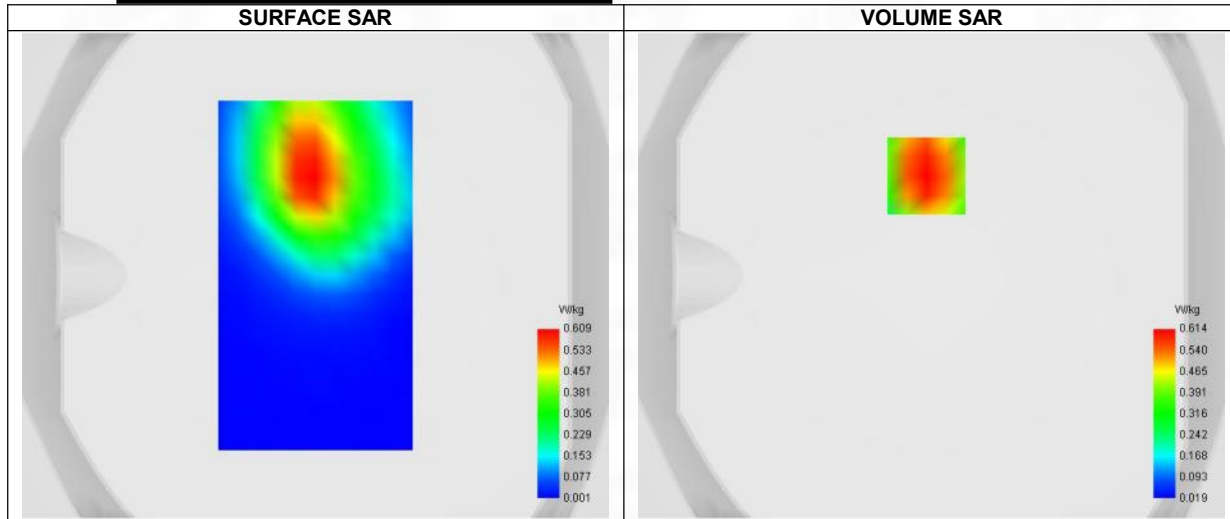
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 25
Channels/Frequency	Higher (26590)/ frequency 1905.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1905.090
Relative permittivity (real part)	40.249
Relative permittivity (imaginary part)	13.485
Conductivity (S/m)	1.382

C. SAR Surface and Volume

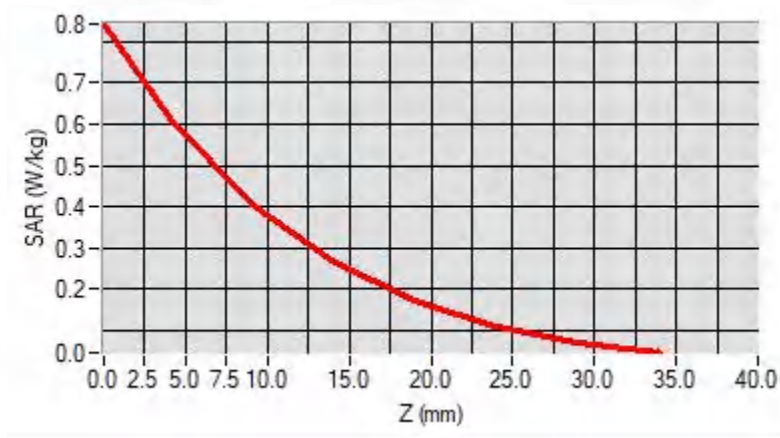


D. SAR 1g & 10g

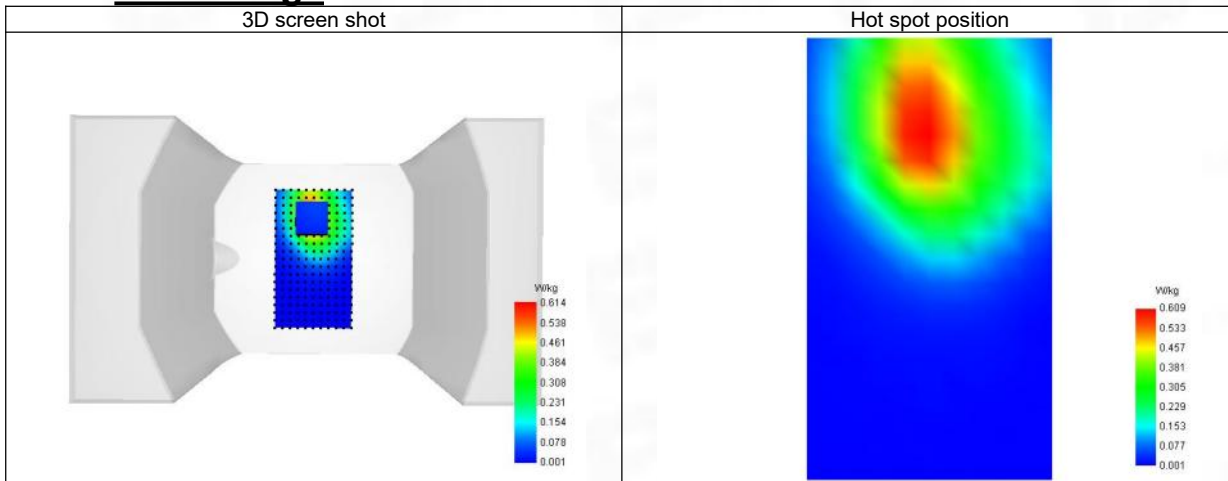
SAR 10g (W/Kg)	0.367
SAR 1g (W/Kg)	0.590
Variation (%)	4.960
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	66.173411

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.842	0.614	0.406	0.267	0.173	0.110	0.072



F. 3D Image



27-Head with front position in dist. 0mm on Channel 26740 in LTE band 26 part 90

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 7/5/2026

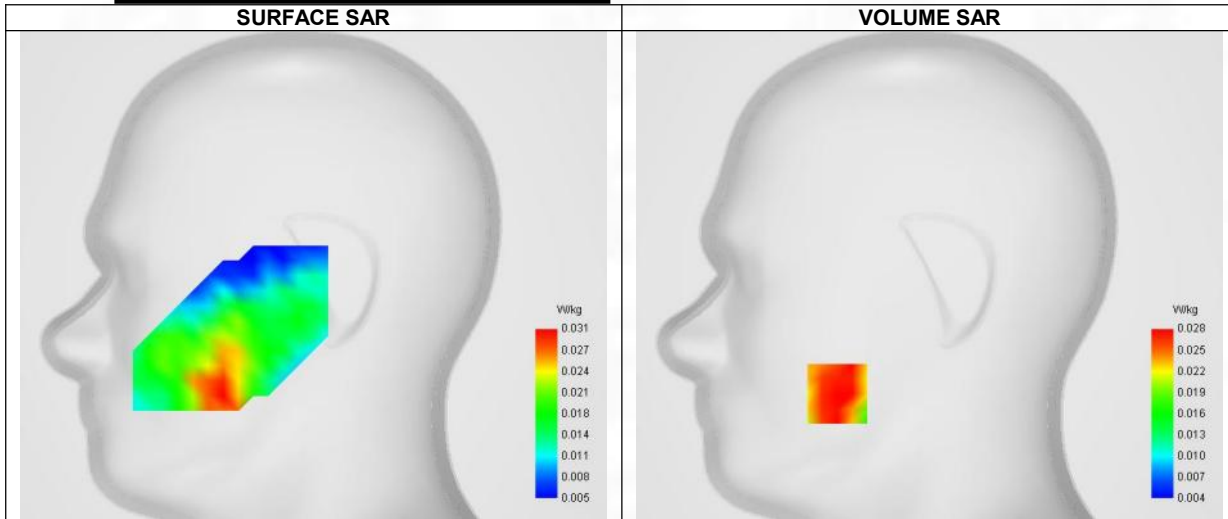
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 26
Channels/Frequency	Lower (26740)/ frequency 819.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	819.090
Relative permittivity (real part)	41.916
Relative permittivity (imaginary part)	19.469
Conductivity (S/m)	0.883

C. SAR Surface and Volume



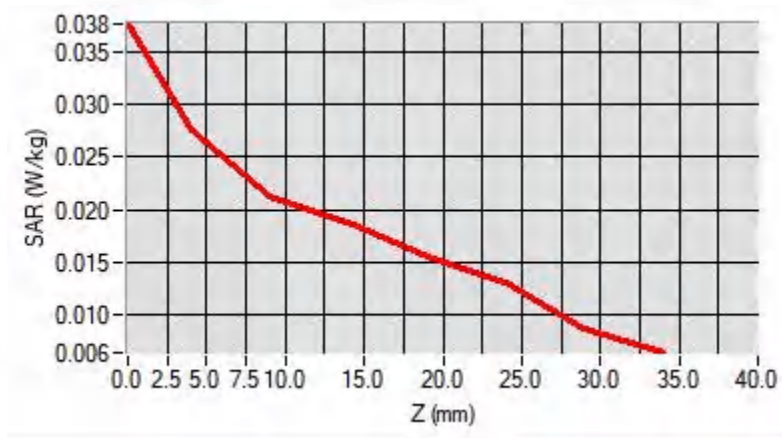
Maximum location: X=-49.00, Y=-63.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

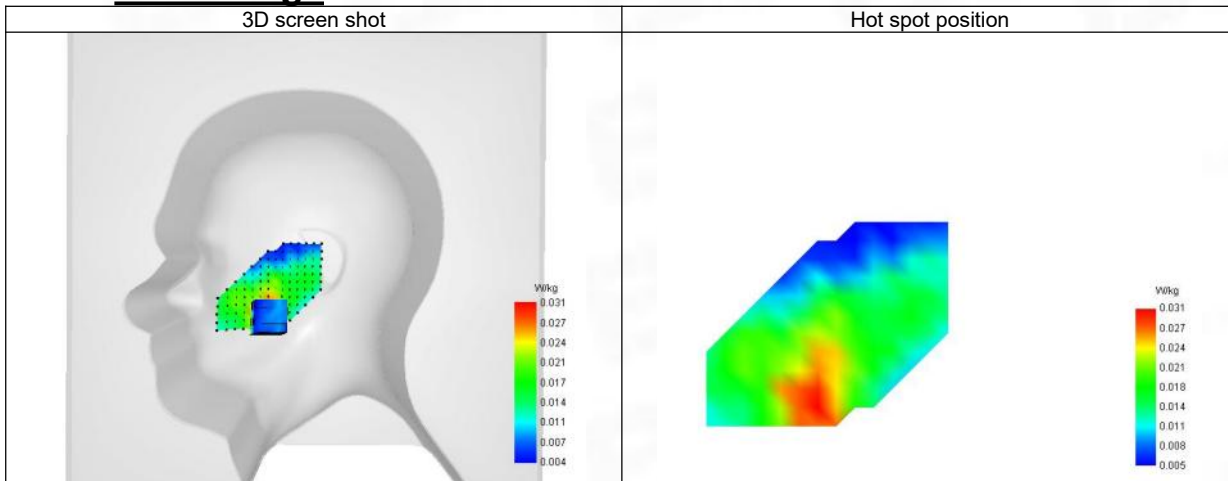
SAR 10g (W/Kg)	0.020
SAR 1g (W/Kg)	0.027
Variation (%)	-3.030
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.327973

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.038	0.028	0.021	0.019	0.016	0.013	0.009



F. 3D Image



28-Body with back position in dist. 10mm on Channel 26740 in LTE band 26 part 90

SAR Measurement at LTE band 26 (Body, Validation Plane)

Date of measurement: 7/5/2026

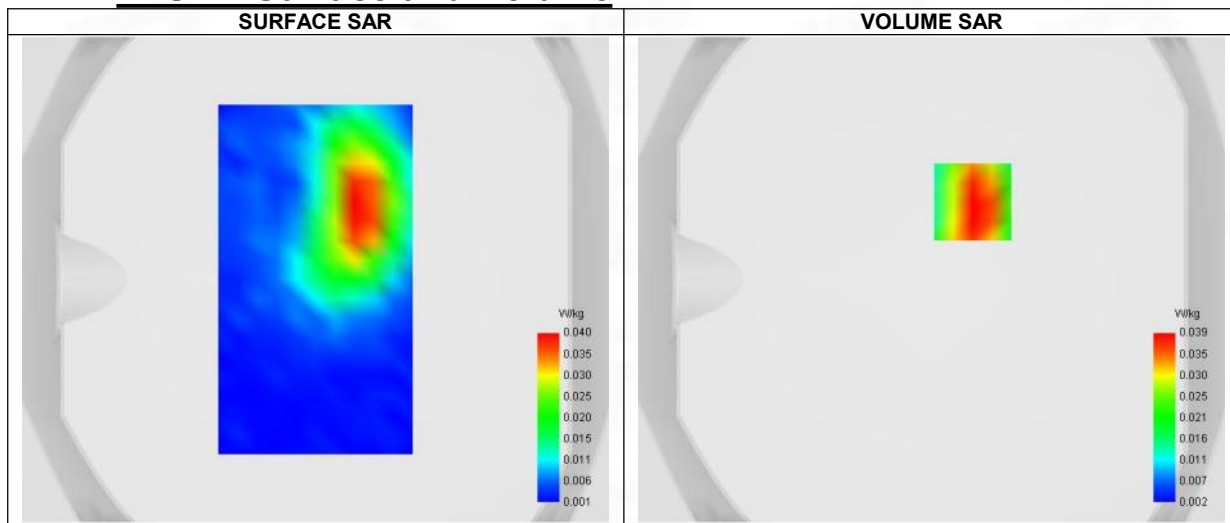
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Channels/Frequency	Lower (26740)/ frequency 819.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	819.090
Relative permittivity (real part)	41.916
Relative permittivity (imaginary part)	19.469
Conductivity (S/m)	0.883

C. SAR Surface and Volume

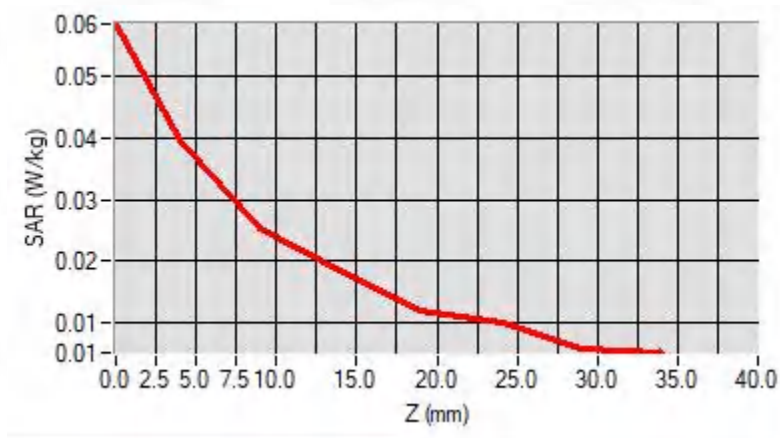


D. SAR 1g & 10g

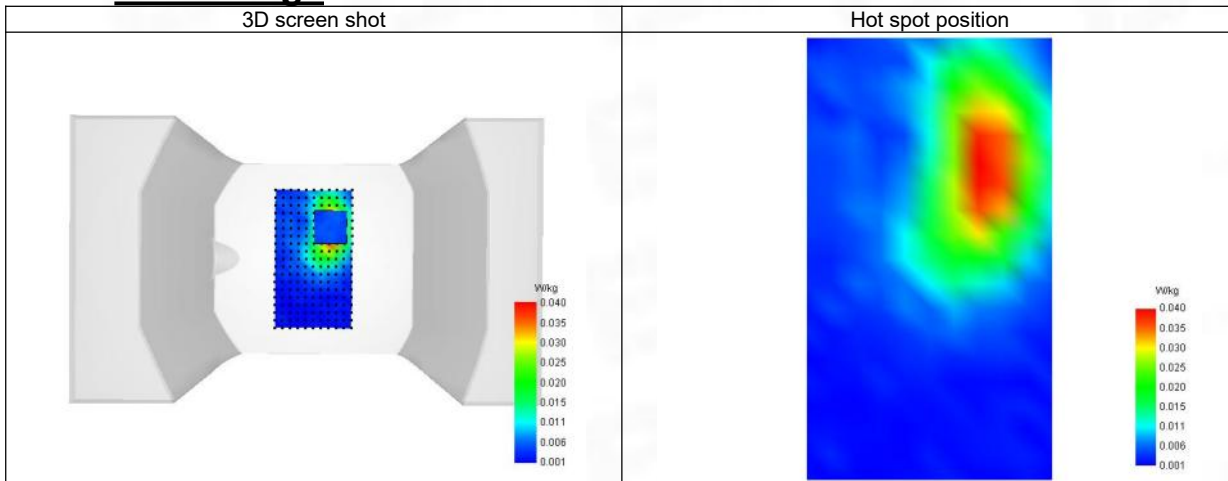
SAR 10g (W/Kg)	0.024
SAR 1g (W/Kg)	0.038
Variation (%)	-1.450
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.731313

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.058	0.039	0.025	0.019	0.012	0.010	0.006



F. 3D Image



29-Head with front position in dist. 0mm on Channel 26865 in LTE band 26 part 22

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 7/5/2026

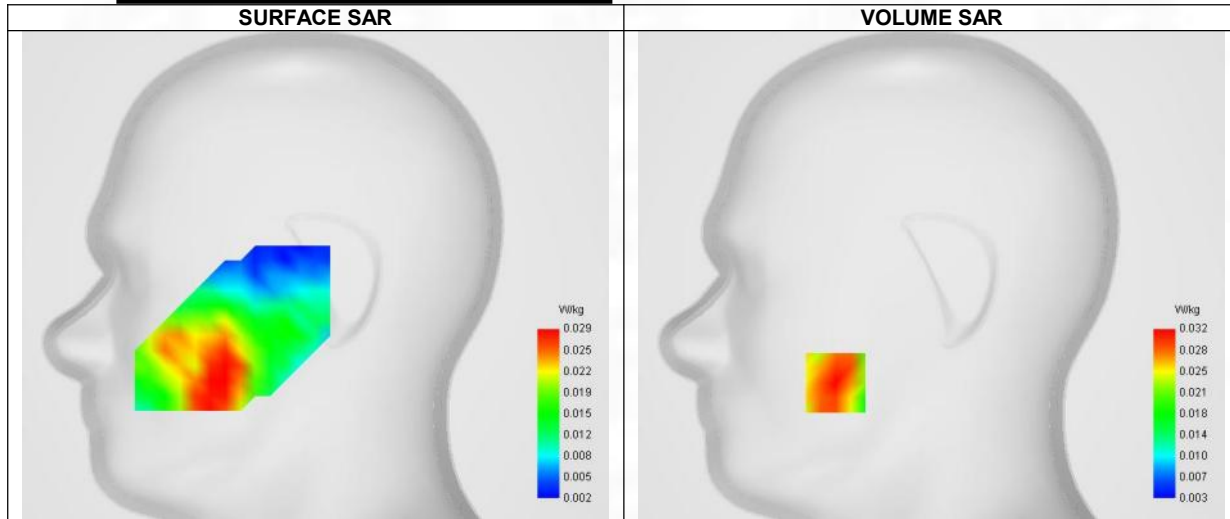
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 26
Channels/Frequency	Middle (26865)/ frequency 831.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	38
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	831.680
Relative permittivity (real part)	41.874
Relative permittivity (imaginary part)	19.527
Conductivity (S/m)	0.885

C. SAR Surface and Volume



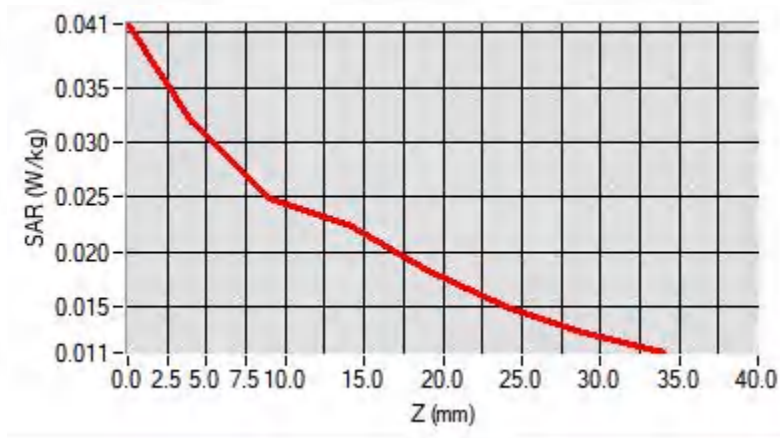
Maximum location: X=-51.00, Y=-57.00 ; SAR Peak: 0.04 W/kg

D. SAR 1g & 10g

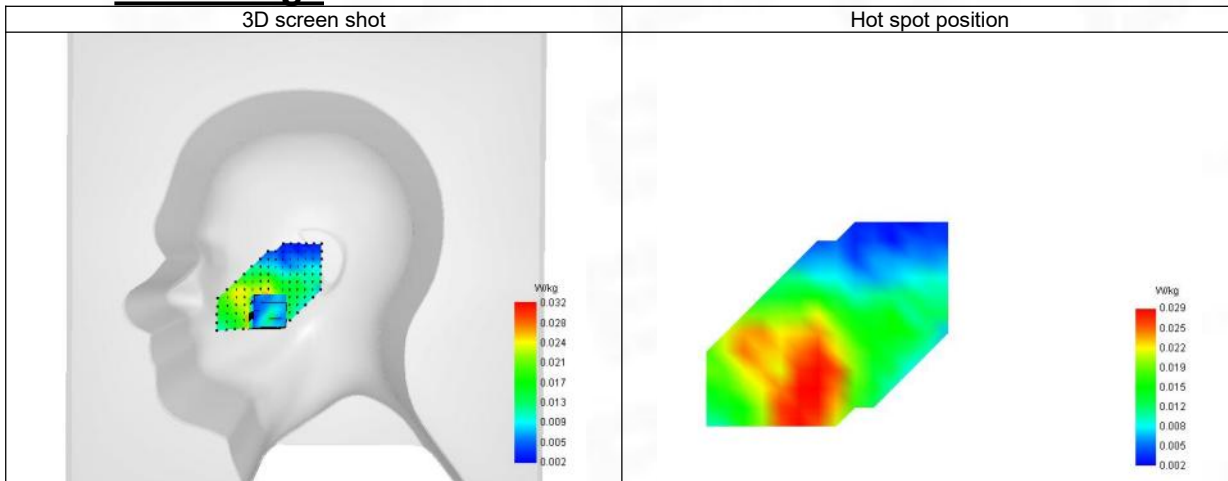
SAR 10g (W/Kg)	0.023
SAR 1g (W/Kg)	0.031
Variation (%)	1.670
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	77.815536

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.041	0.032	0.025	0.022	0.018	0.015	0.013



F. 3D Image



30-Body with back position in dist. 10mm on Channel 26865 in LTE band 26 part 22

SAR Measurement at LTE band 26 (Body, Validation Plane)

Date of measurement: 7/5/2026

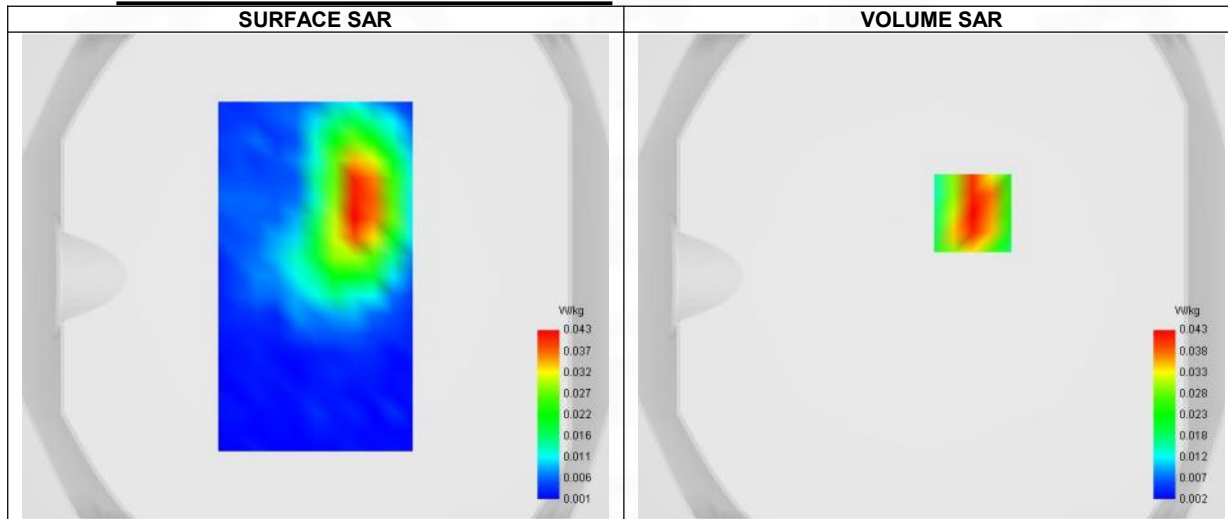
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.15
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 26
Channels/Frequency	Middle (26865)/ frequency 831.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	38
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	831.680
Relative permittivity (real part)	41.874
Relative permittivity (imaginary part)	19.527
Conductivity (S/m)	0.885

C. SAR Surface and Volume



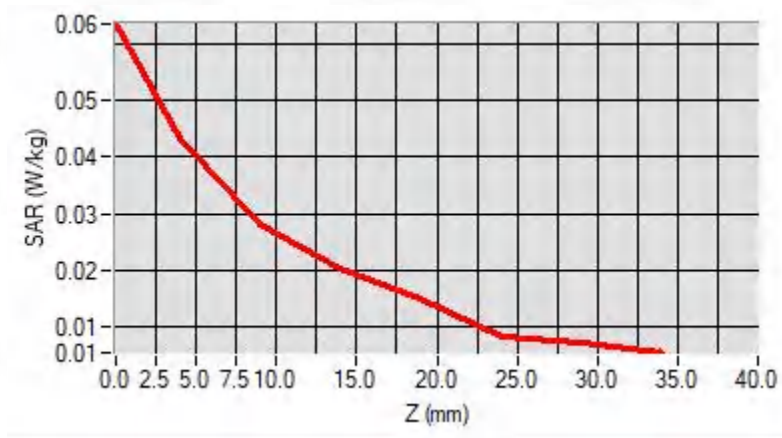
Maximum location: X=17.00, Y=26.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

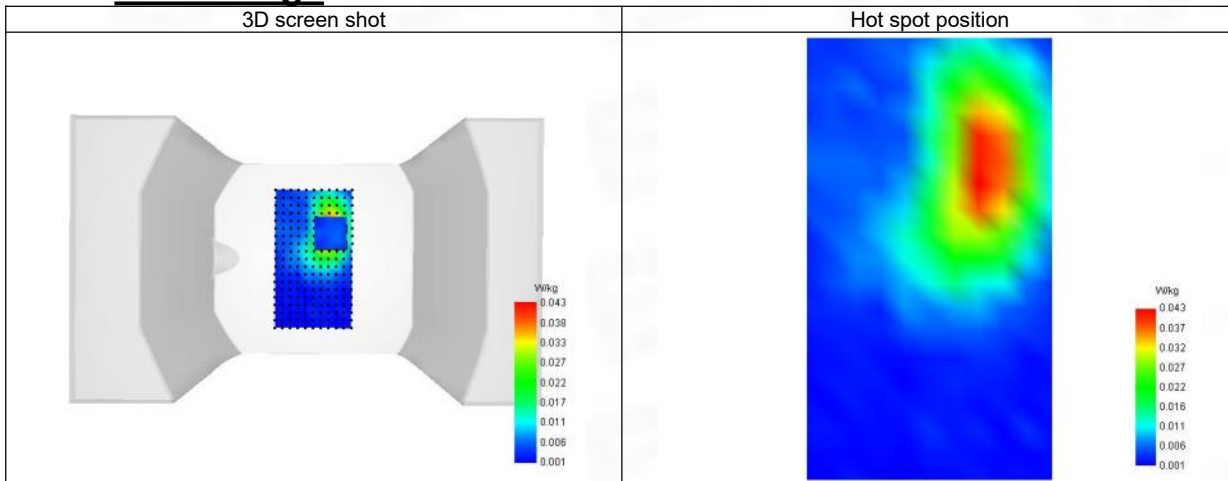
SAR 10g (W/Kg)	0.026
SAR 1g (W/Kg)	0.042
Variation (%)	-1.220
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.363708

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.063	0.043	0.028	0.020	0.015	0.008	0.007



F. 3D Image



31-Head with front position in dist. 0mm on Channel 38000 in LTE band 38

SAR Measurement at LTE band 38 (Cheek, Right)

Date of measurement: 13/5/2026

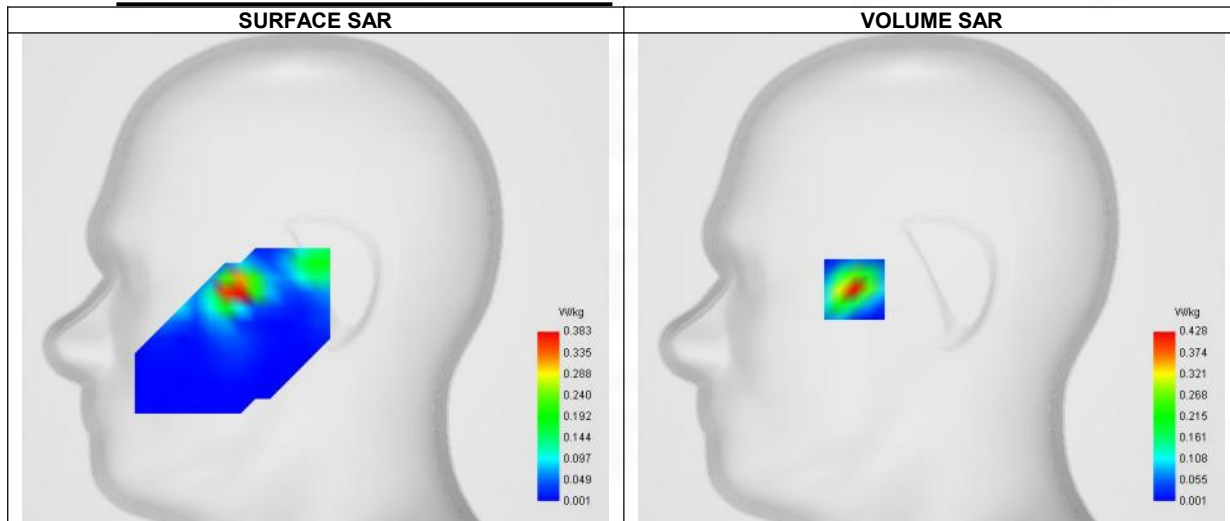
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 38
Channels/Frequency	Middle (38000)/ frequency 2595.000 Mhz
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Middle TX Frequency (MHz)	2595.010
Relative permittivity (real part)	38.667
Relative permittivity (imaginary part)	12.645
Conductivity (S/m)	1.918

C. SAR Surface and Volume



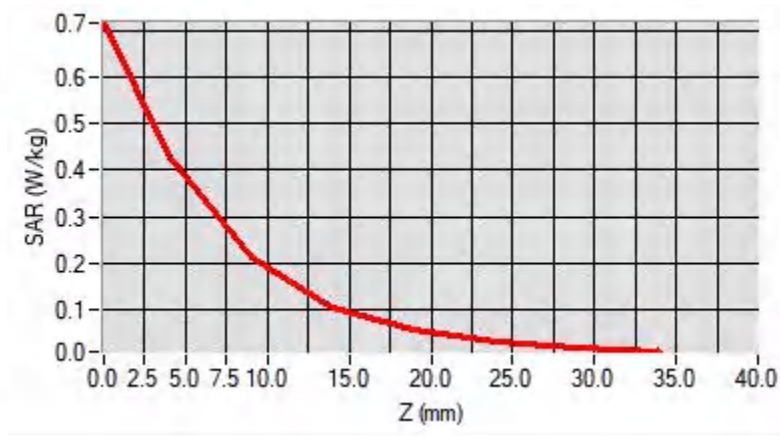
Maximum location: X=-41.00, Y=-6.00 ; SAR Peak: 0.71 W/kg

D. SAR 1g & 10g

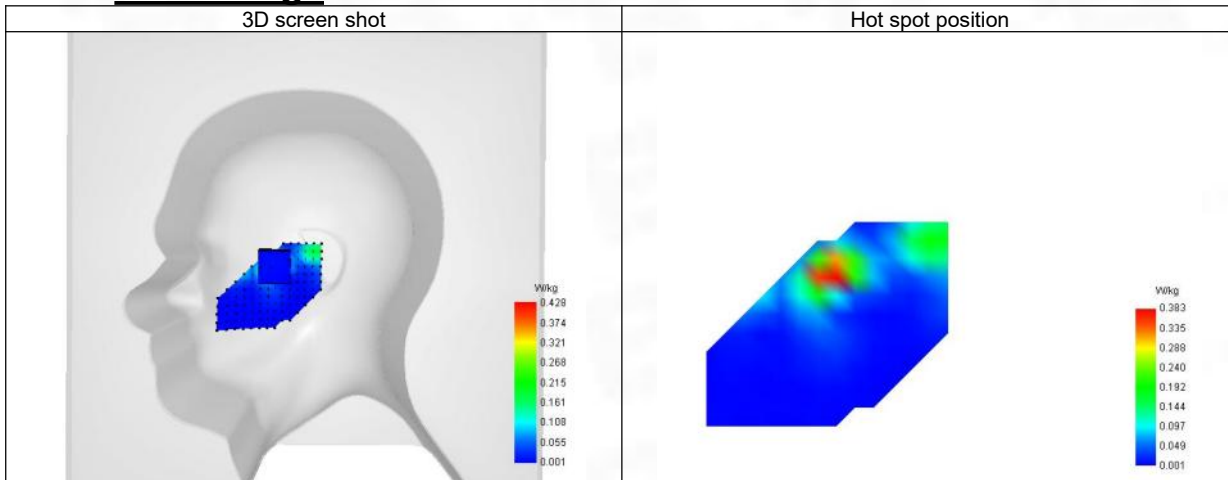
SAR 10g (W/Kg)	0.148
SAR 1g (W/Kg)	0.367
Variation (%)	-1.340
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.147612

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.719	0.428	0.210	0.104	0.053	0.030	0.018



F. 3D Image



32-Body with front position in dist. 10mm on Channel 38000 in LTE band 38

SAR Measurement at LTE band 38 (Body, Validation Plane)

Date of measurement: 13/5/2026

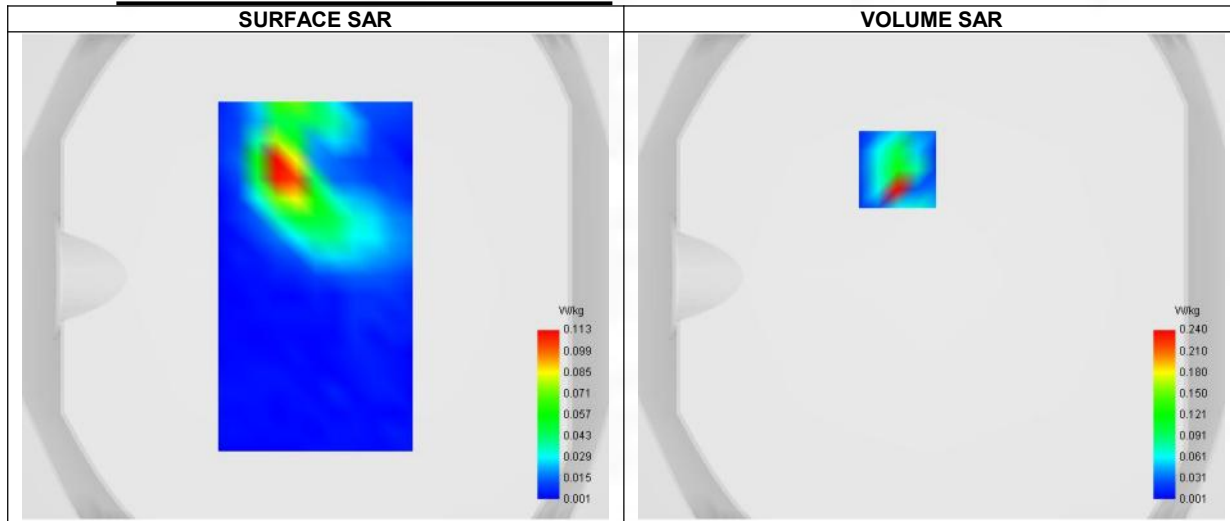
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 38
Channels/Frequency	Middle (38000)/ frequency 2595.000 Mhz
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	49
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Middle TX Frequency (MHz)	2595.010
Relative permittivity (real part)	38.667
Relative permittivity (imaginary part)	12.645
Conductivity (S/m)	1.918

C. SAR Surface and Volume



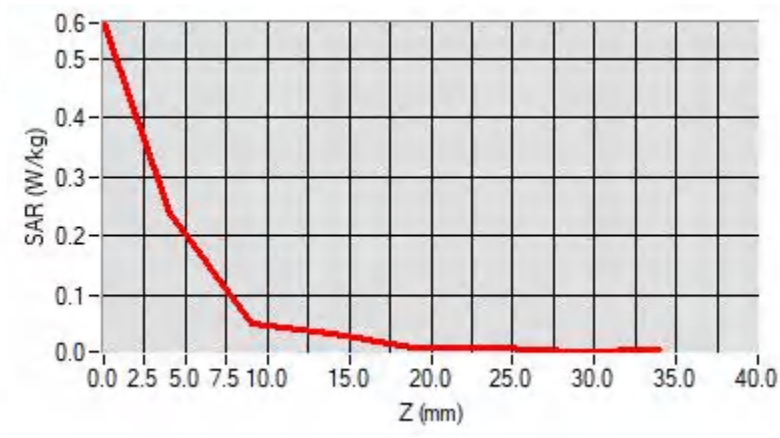
Maximum location: X=-14.00, Y=44.00 ; SAR Peak: 0.52 W/kg

D. SAR 1g & 10g

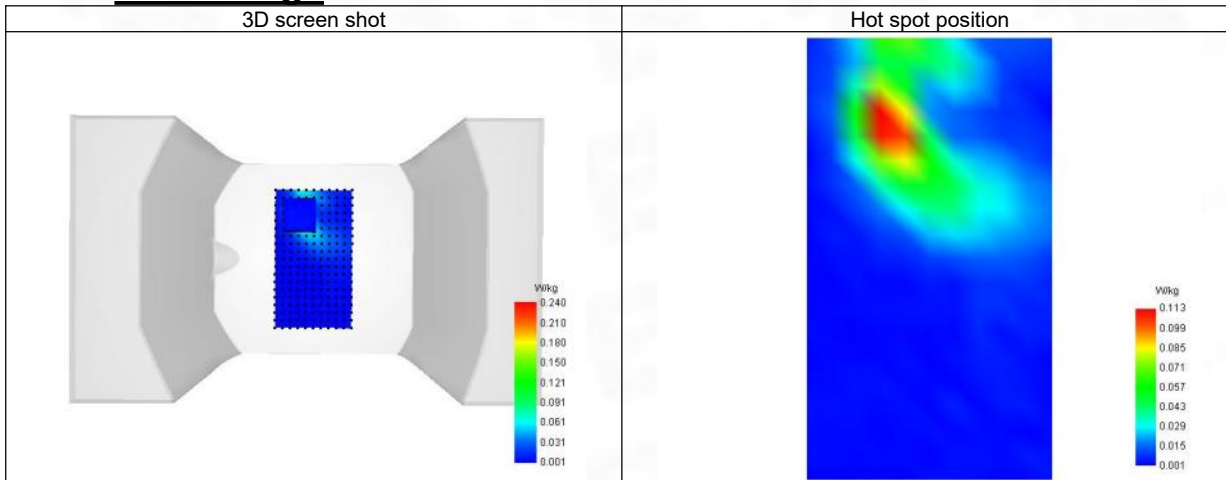
SAR 10g (W/Kg)	0.055
SAR 1g (W/Kg)	0.182
Variation (%)	-0.290
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	26.795886

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.560	0.240	0.053	0.035	0.014	0.011	0.005



F. 3D Image



33-Head with front position in dist. 0mm on Channel 41490 in LTE band 41

SAR Measurement at LTE band 41 (Cheek, Right)

Date of measurement: 13/5/2026

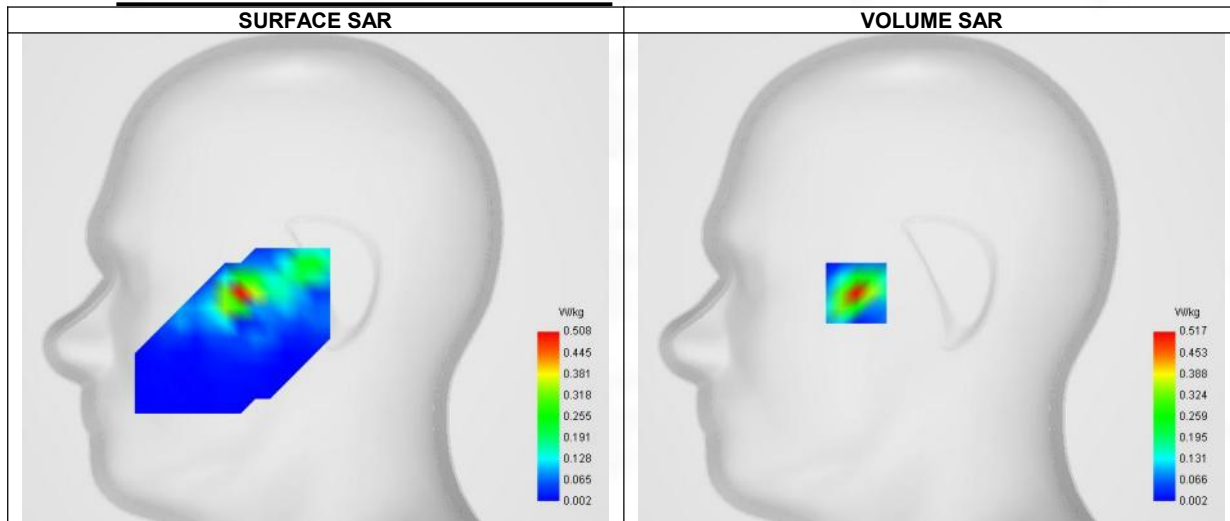
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 41
Channels/Frequency	Higher (41490)/ frequency 2680.000 Mhz
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Middle TX Frequency (MHz)	2680.090
Relative permittivity (real part)	38.587
Relative permittivity (imaginary part)	12.735
Conductivity (S/m)	2.005

C. SAR Surface and Volume



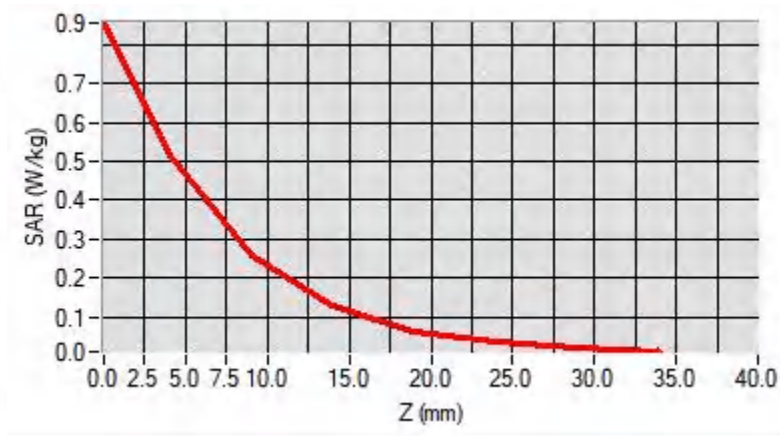
Maximum location: X=-40.00, Y=-8.00 ; SAR Peak: 0.85 W/kg

D. SAR 1g & 10g

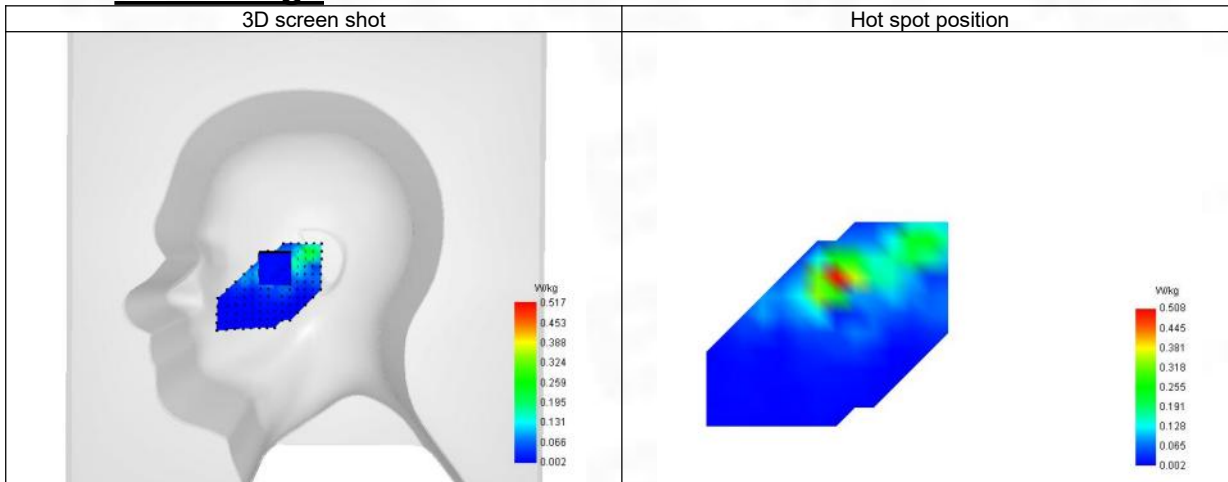
SAR 10g (W/Kg)	0.176
SAR 1g (W/Kg)	0.436
Variation (%)	-2.480
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.053775

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.856	0.517	0.259	0.129	0.064	0.035	0.021



F. 3D Image



34-Body with front position in dist. 10mm on Channel 41490 in LTE band 41

SAR Measurement at LTE band 41 (Body, Validation Plane)

Date of measurement: 13/5/2026

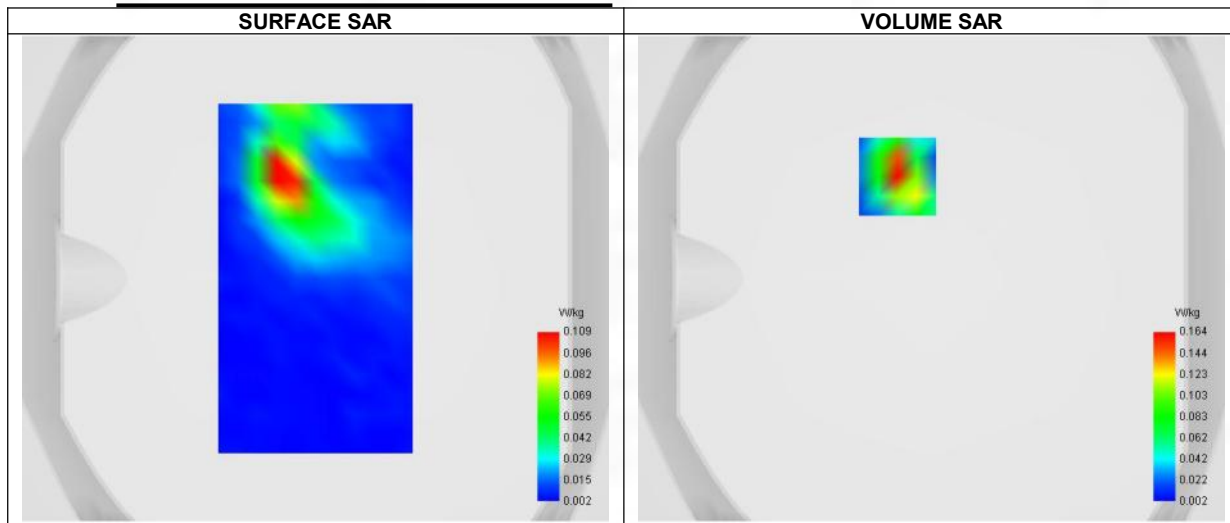
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 41
Channels/Frequency	Higher (41490)/ frequency 2680.000 Mhz
Signal	LTE TDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1
Subframe configuration	0
Special subframe configuration	0
Cyclic prefix	Normal
Duty Cycle (%)	0.61

B. Permittivity

Middle TX Frequency (MHz)	2680.090
Relative permittivity (real part)	38.587
Relative permittivity (imaginary part)	12.735
Conductivity (S/m)	2.005

C. SAR Surface and Volume



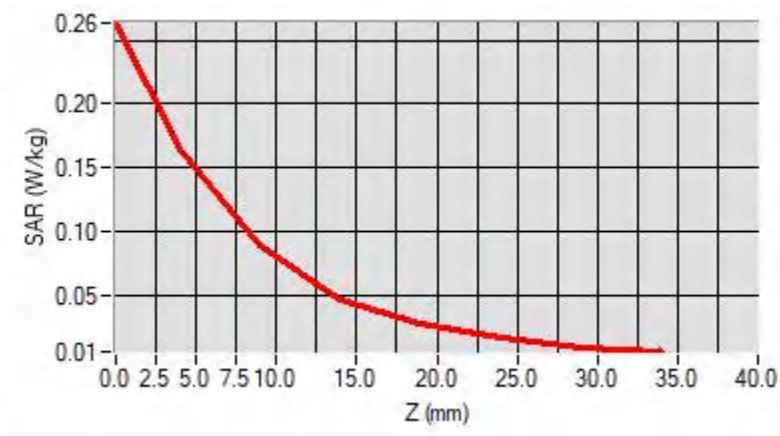
Maximum location: X=-14.00, Y=42.00 ; SAR Peak: 0.28 W/kg

D. SAR 1g & 10g

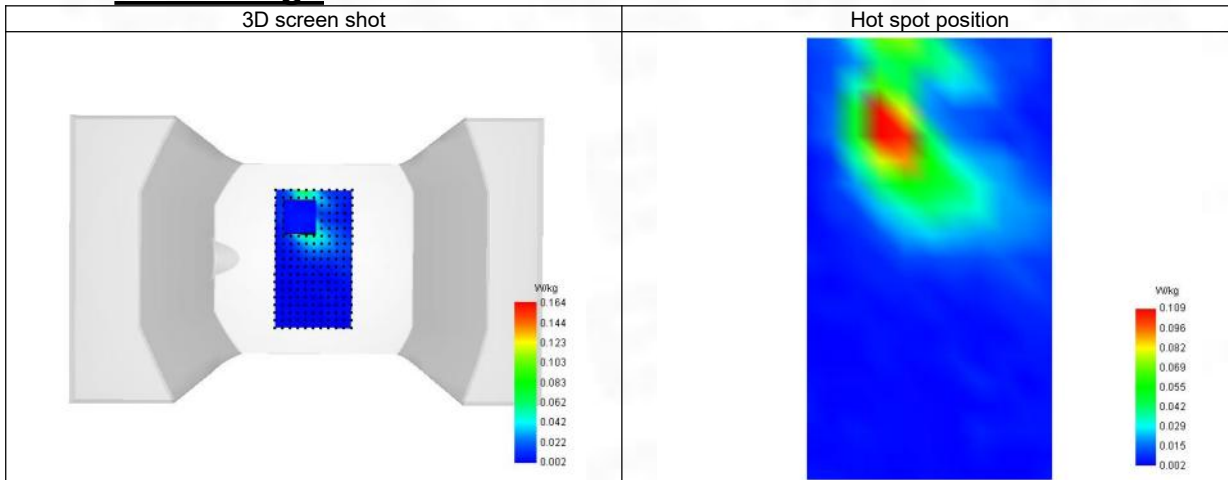
SAR 10g (W/Kg)	0.066
SAR 1g (W/Kg)	0.148
Variation (%)	-3.570
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	54.351518

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.264	0.164	0.089	0.047	0.027	0.016	0.008



F. 3D Image



35-Head with front position in dist. 0mm on Channel 132072 in LTE band 66

SAR Measurement at LTE band 66 (Cheek, Right)

Date of measurement: 9/5/2026

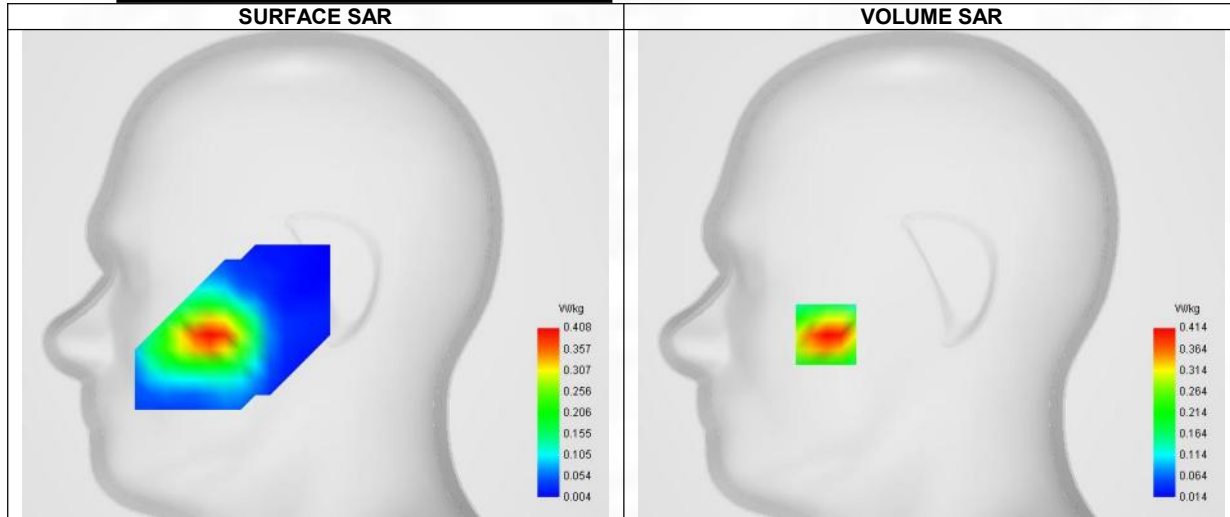
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Channels/Frequency	Lower (132072)/ frequency 1720.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1720.090
Relative permittivity (real part)	40.324
Relative permittivity (imaginary part)	15.905
Conductivity (S/m)	1.333

C. SAR Surface and Volume



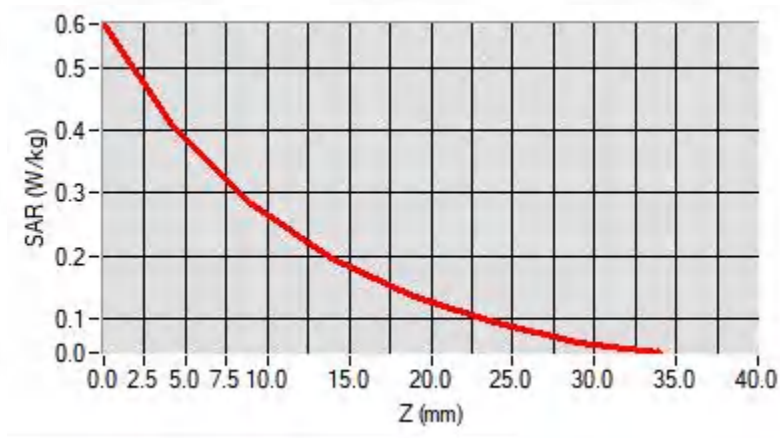
Maximum location: X=-56.00, Y=-32.00 ; SAR Peak: 0.57 W/kg

D. SAR 1g & 10g

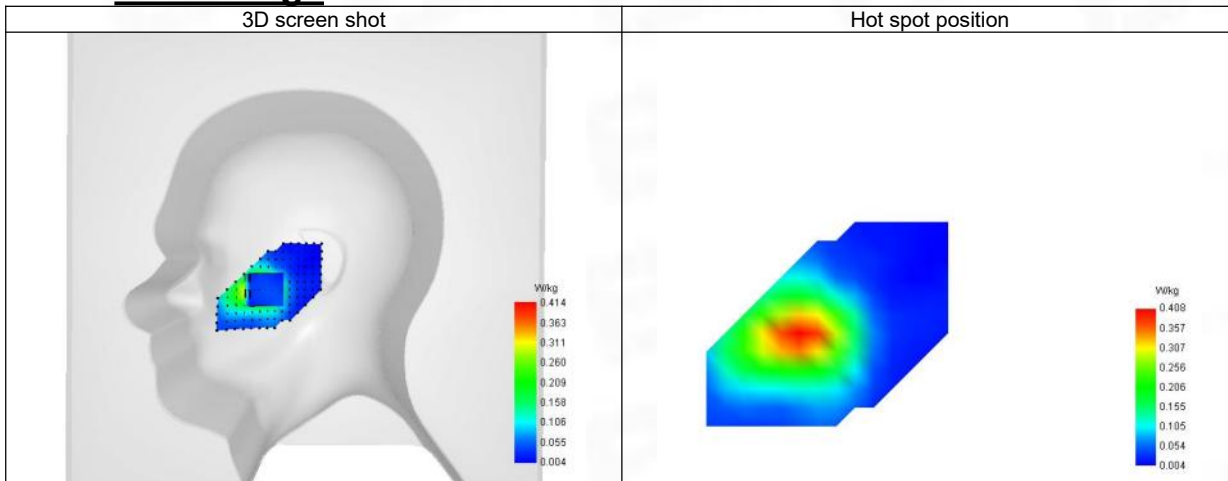
SAR 10g (W/Kg)	0.239
SAR 1g (W/Kg)	0.393
Variation (%)	2.860
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	67.744084

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.569	0.414	0.280	0.194	0.134	0.094	0.063



F. 3D Image



36-Body with front position in dist. 10mm on Channel 132072 in LTE band 66

SAR Measurement at LTE band 66 (Body, Validation Plane)

Date of measurement: 9/5/2026

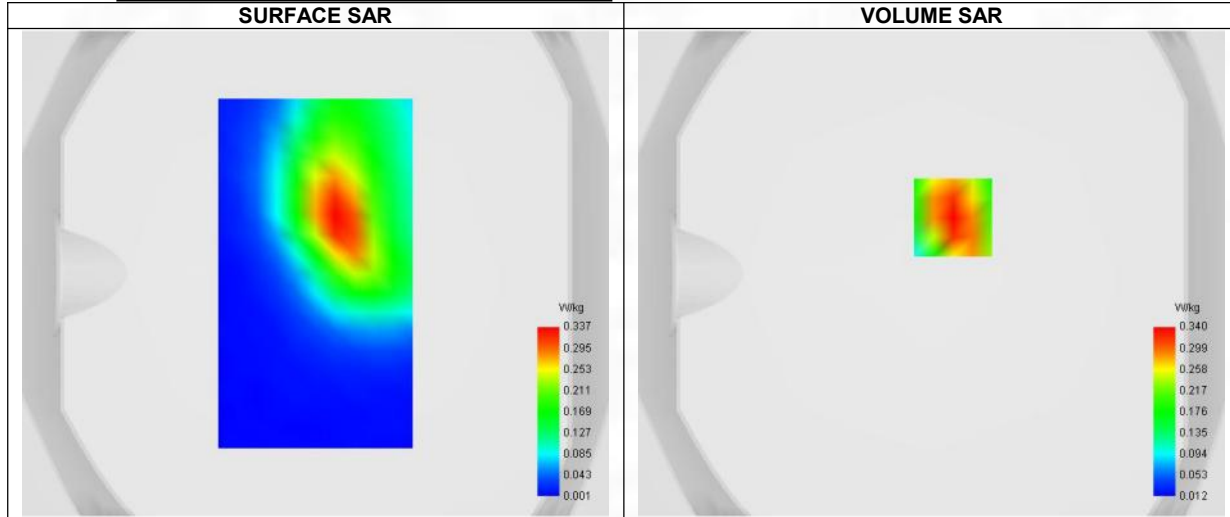
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 66
Channels/Frequency	Lower (132072)/ frequency 1720.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1720.090
Relative permittivity (real part)	40.324
Relative permittivity (imaginary part)	15.905
Conductivity (S/m)	1.333

C. SAR Surface and Volume



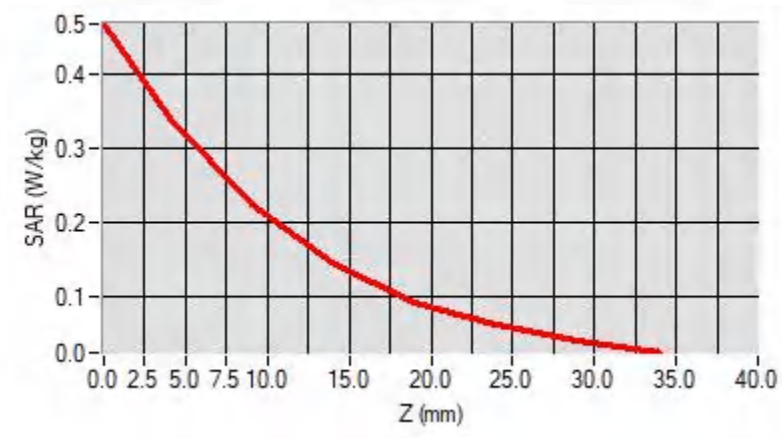
Maximum location: X=9.00, Y=23.00 ; SAR Peak: 0.48 W/kg

D. SAR 1g & 10g

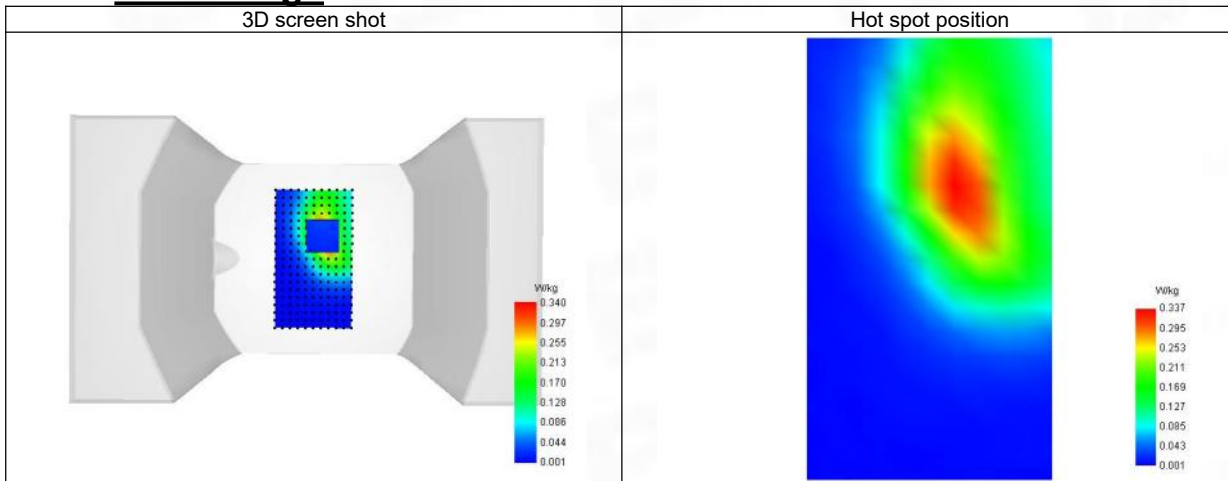
SAR 10g (W/Kg)	0.192
SAR 1g (W/Kg)	0.321
Variation (%)	3.900
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	65.498640

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.467	0.340	0.222	0.144	0.091	0.060	0.039



F. 3D Image



37-Head with front position in dist. 0mm on Channel 133372 in LTE band 71

SAR Measurement at LTE band 71 (Cheek, Right)

Date of measurement: 5/5/2026

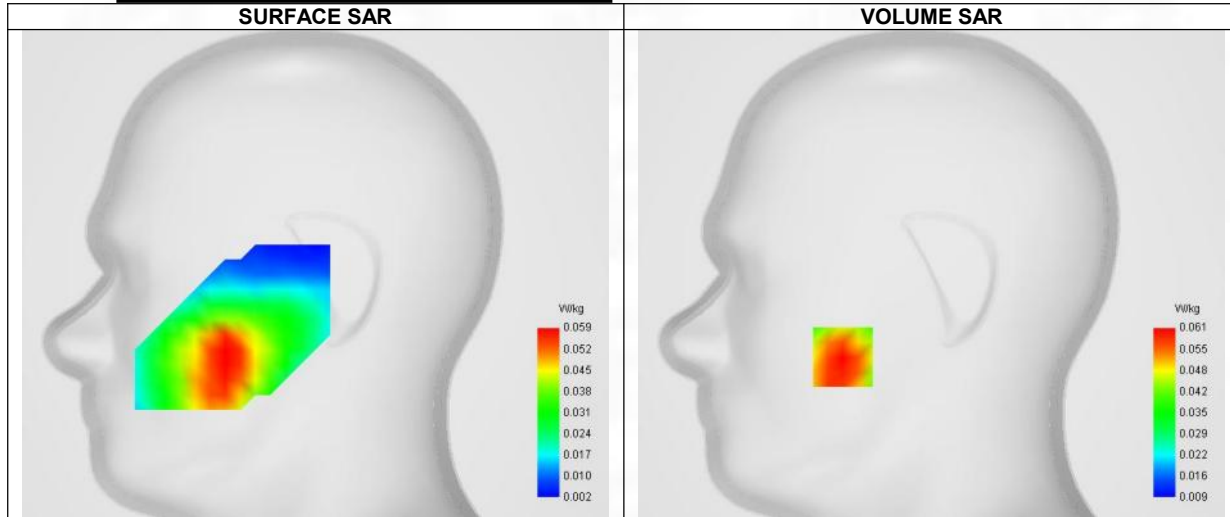
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 71
Channels/Frequency	Higher (133372)/ frequency 688.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	688.090
Relative permittivity (real part)	42.356
Relative permittivity (imaginary part)	18.868
Conductivity (S/m)	0.857

C. SAR Surface and Volume



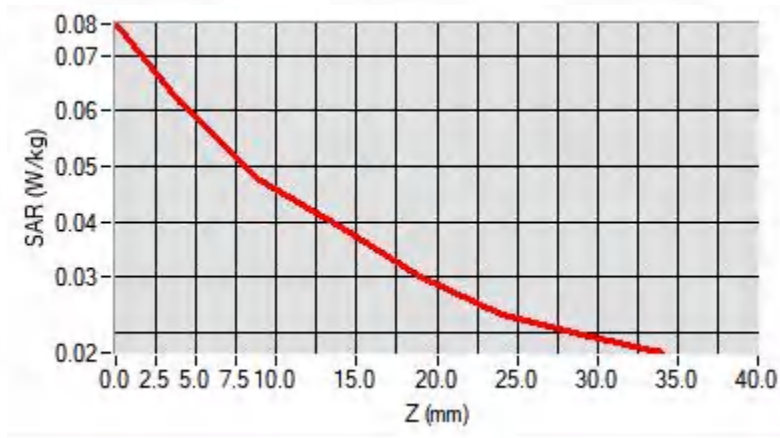
Maximum location: X=-47.00, Y=-44.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

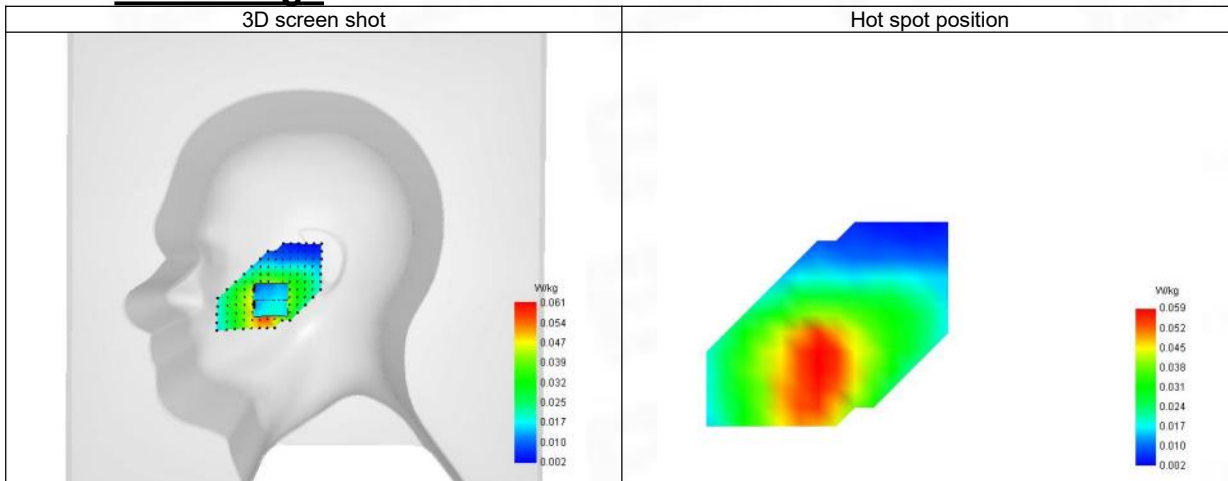
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.059
Variation (%)	-3.570
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.996353

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.076	0.061	0.047	0.039	0.030	0.023	0.019



F. 3D Image



38-Body with back position in dist. 10mm on Channel 133372 in LTE band 71

SAR Measurement at LTE band 71 (Body, Validation Plane)

Date of measurement: 5/5/2026

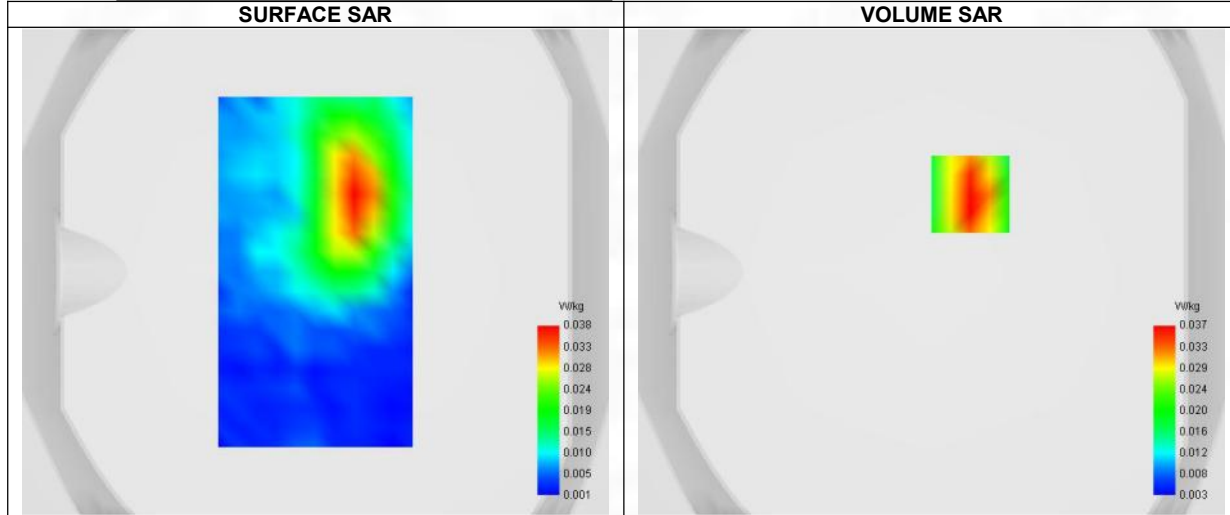
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 71
Channels/Frequency	Higher (133372)/ frequency 688.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	688.090
Relative permittivity (real part)	42.356
Relative permittivity (imaginary part)	18.868
Conductivity (S/m)	0.857

C. SAR Surface and Volume

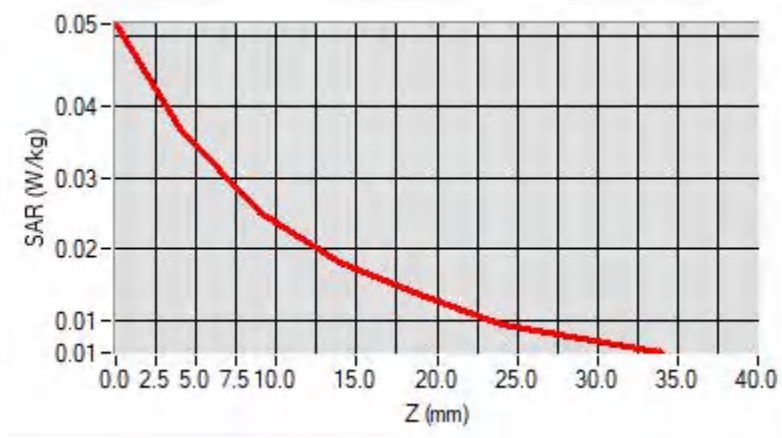


D. SAR 1g & 10g

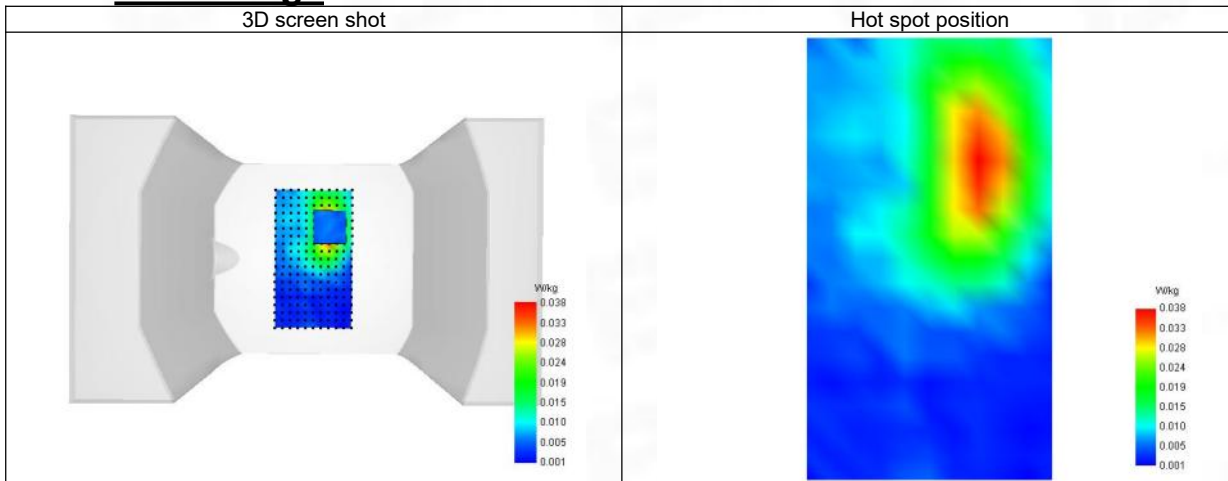
SAR 10g (W/Kg)	0.022
SAR 1g (W/Kg)	0.038
Variation (%)	-2.990
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.642509

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.052	0.037	0.025	0.018	0.014	0.009	0.007



F. 3D Image



39-Head with front position in dist. 0mm on Channel 6 in IEEE 802.11b ISM

SAR Measurement at ISM (Cheek, Right)

Date of measurement: 12/5/2026

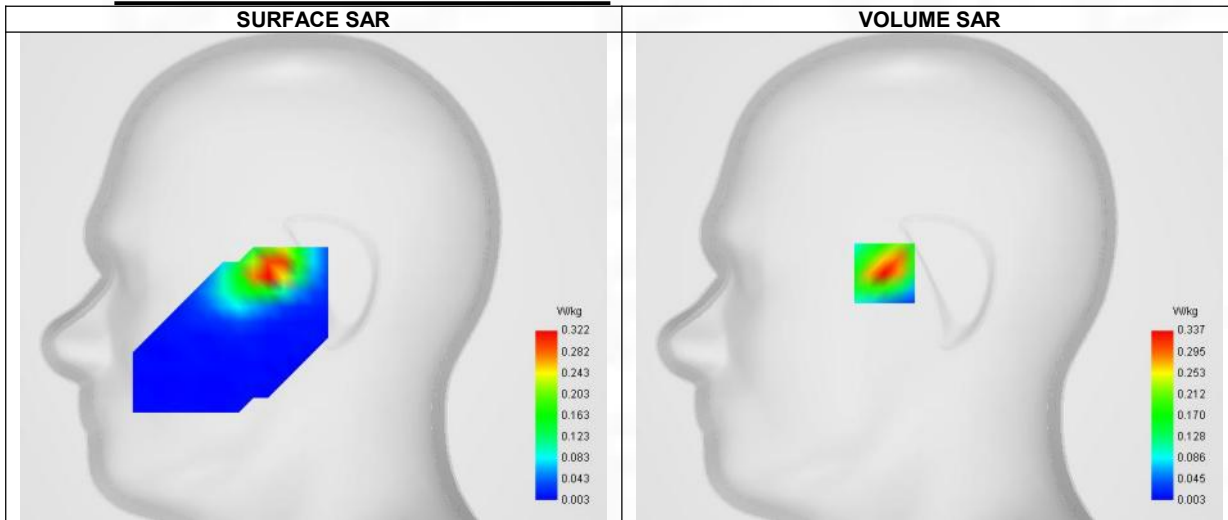
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.31
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	ISM
Channels/Frequency	Middle (6)/ frequency 2437.000 Mhz
Signal	IEEE 802.11 b

B. Permittivity

Middle TX Frequency (MHz)	2437.000
Relative permittivity (real part)	38.857
Relative permittivity (imaginary part)	13.457
Conductivity (S/m)	1.773

C. SAR Surface and Volume



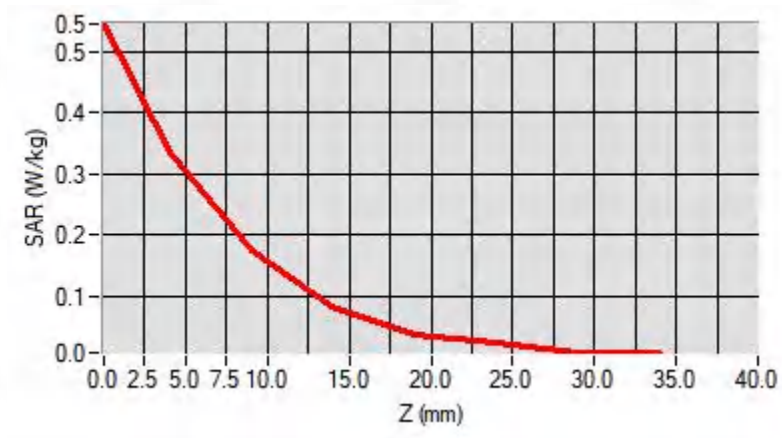
Maximum location: X=-24.00, Y=2.00 ; SAR Peak: 0.55 W/kg

D. SAR 1g & 10g

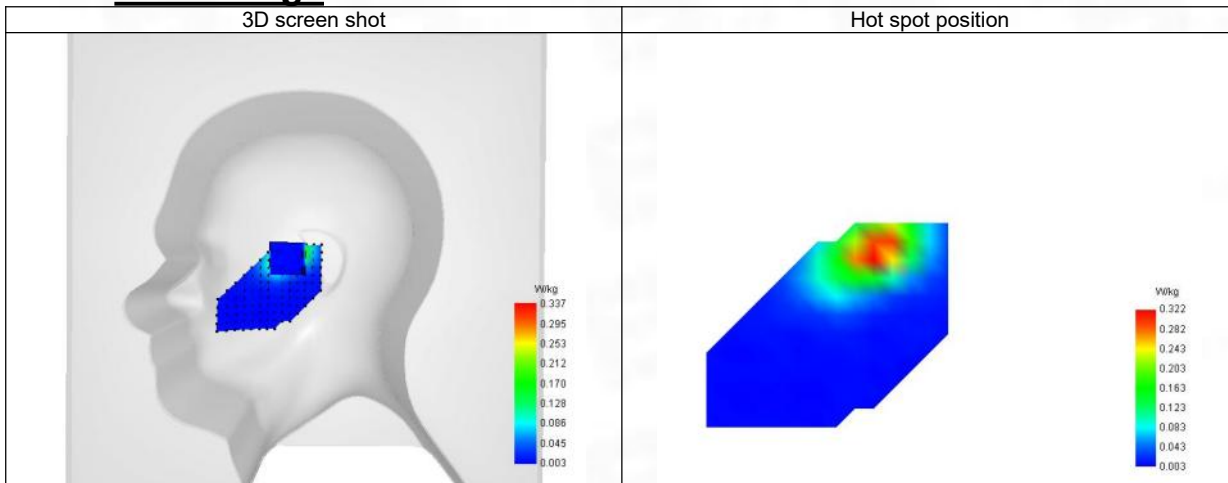
SAR 10g (W/Kg)	0.146
SAR 1g (W/Kg)	0.310
Variation (%)	-2.110
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.100891

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.545	0.337	0.175	0.082	0.038	0.023	0.008



F. 3D Image



40-Body with back position in dist. 10mm on Channel 6 in IEEE 802.11b ISM

SAR Measurement at ISM (Body, Validation Plane)

Date of measurement: 12/5/2026

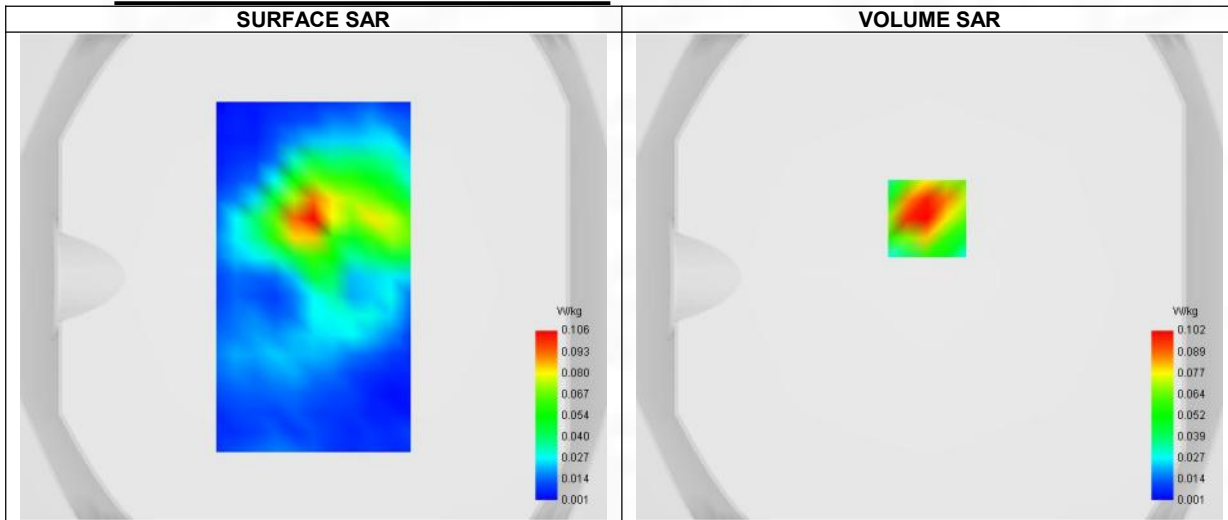
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.31
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	ISM
Channels/Frequency	Middle (6)/ frequency 2437.000 Mhz
Signal	IEEE 802.11 b

B. Permittivity

Middle TX Frequency (MHz)	2437.000
Relative permittivity (real part)	38.857
Relative permittivity (imaginary part)	13.457
Conductivity (S/m)	1.773

C. SAR Surface and Volume



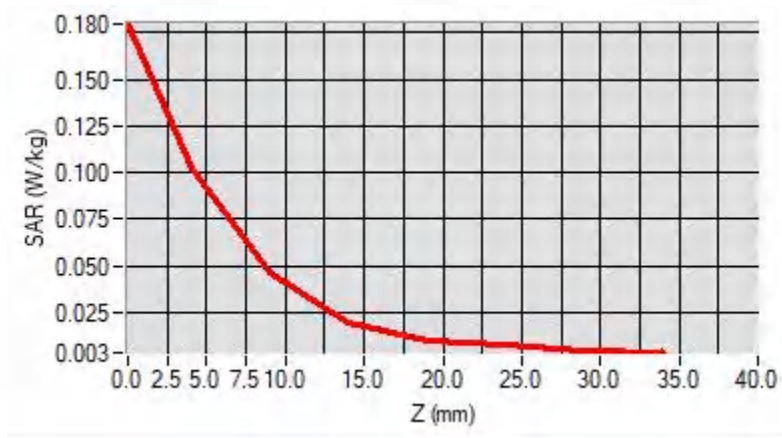
Maximum location: X=-1.00, Y=24.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

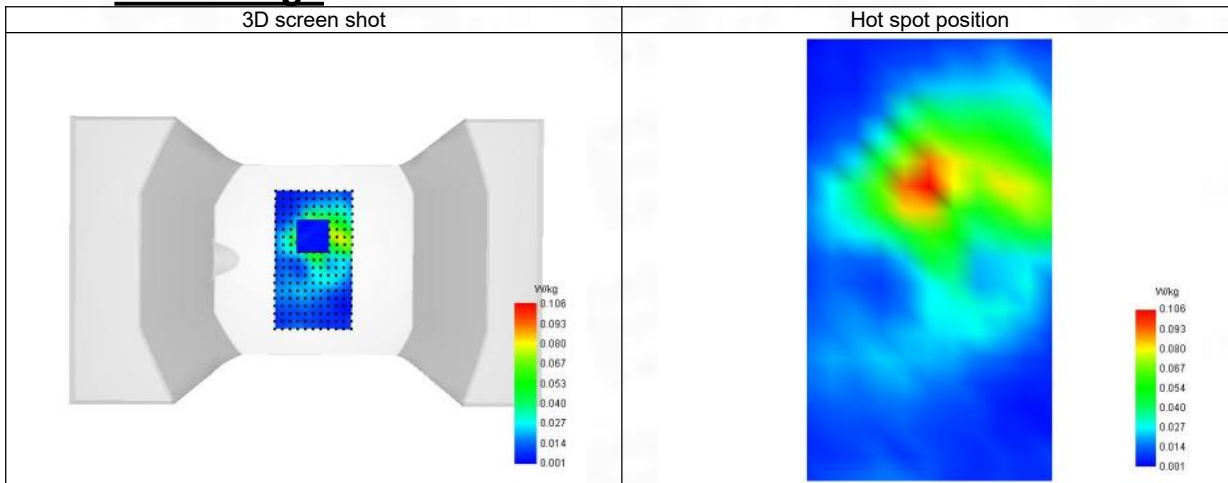
SAR 10g (W/Kg)	0.049
SAR 1g (W/Kg)	0.101
Variation (%)	3.420
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	45.724496

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.180	0.102	0.047	0.020	0.010	0.008	0.005



F. 3D Image



41-Head with front position in dist. 0mm on Channel 42 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-1 (Cheek, Right)

Date of measurement: 2/5/2026

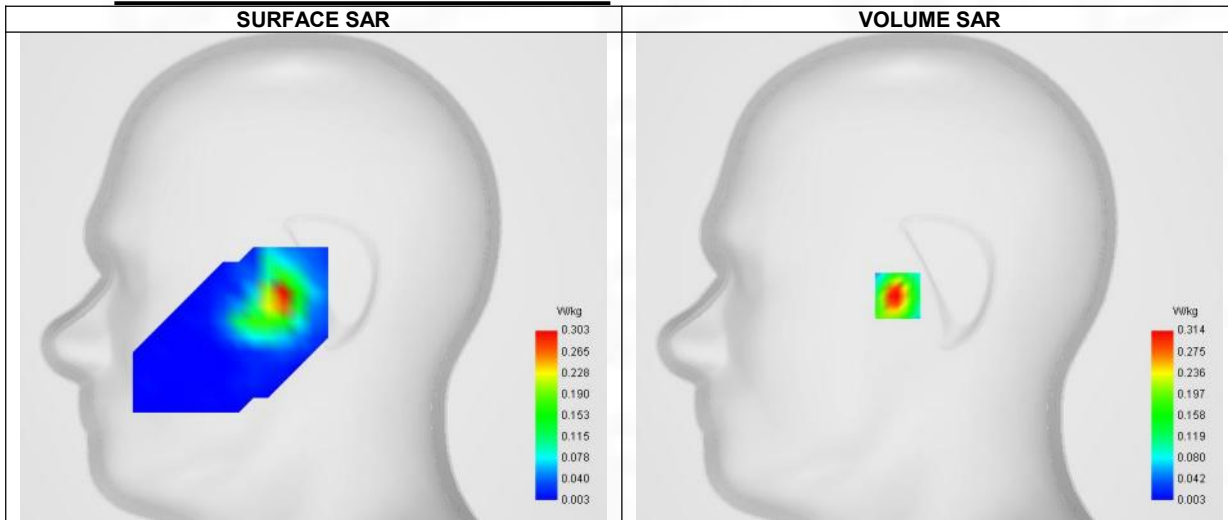
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.16
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	U-NII-1
Channels/Frequency	Lower (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	36.200
Relative permittivity (imaginary part)	16.447
Conductivity (S/m)	4.590

C. SAR Surface and Volume



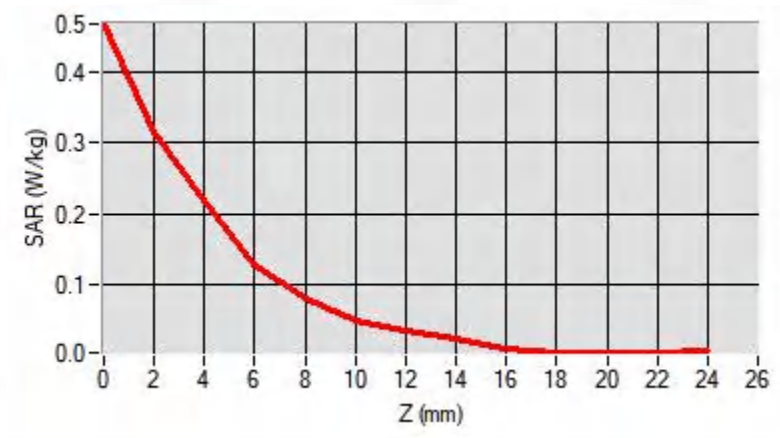
Maximum location: X=-17.00, Y=-10.00 ; SAR Peak: 0.62 W/kg

D. SAR 1g & 10g

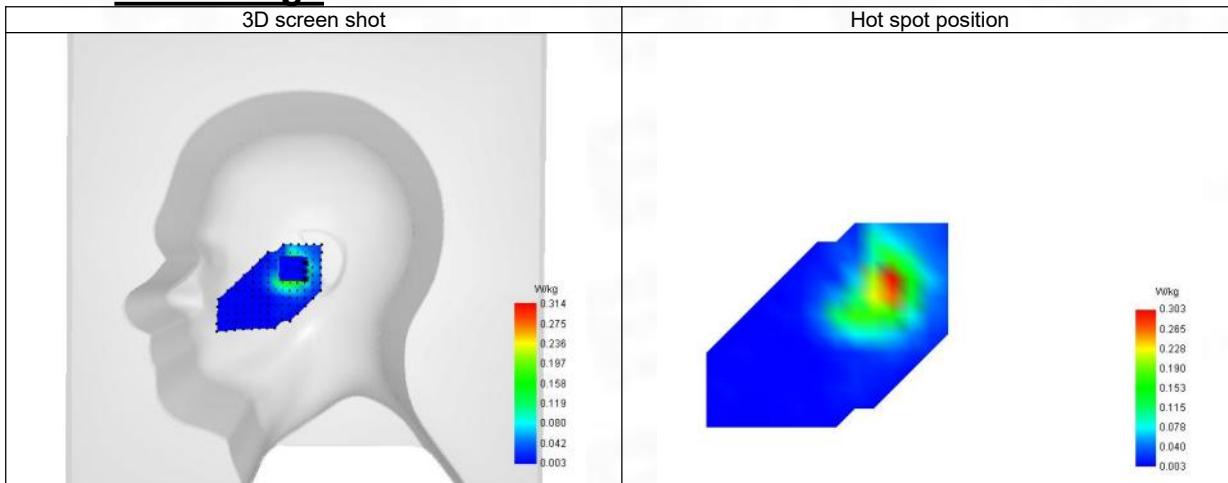
SAR 10g (W/Kg)	0.103
SAR 1g (W/Kg)	0.272
Variation (%)	4.510
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	69.452649

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.467	0.314	0.218	0.129	0.080	0.048	0.034	0.024	0.009	0.005	0.005	0.004



F. 3D Image



42-Body with back position in dist. 10mm on Channel 42 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-1 (Body, Validation Plane)

Date of measurement: 2/5/2026

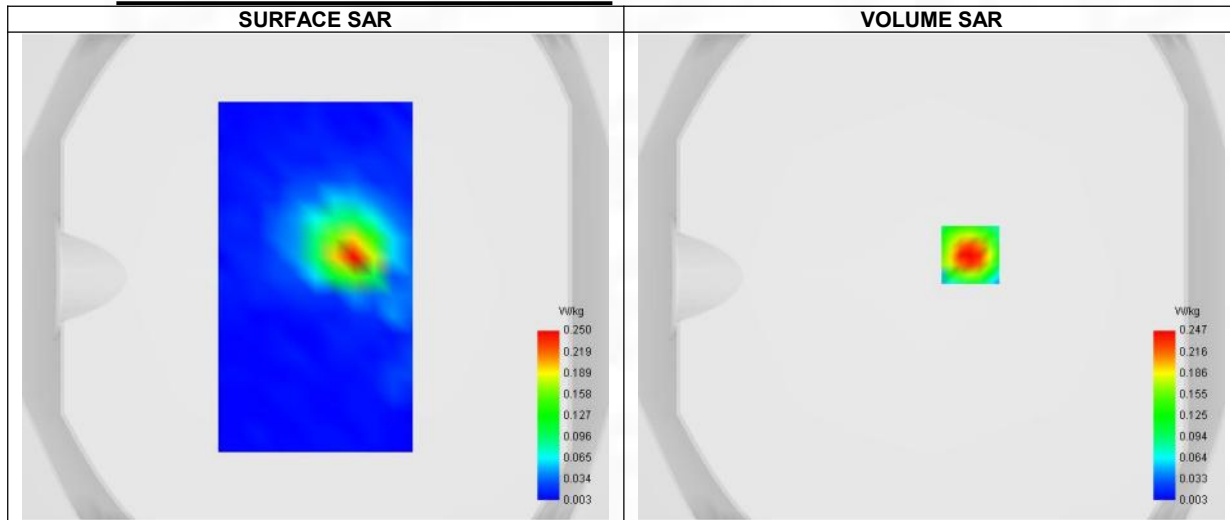
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.16
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-1
Channels/Frequency	Lower (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	36.200
Relative permittivity (imaginary part)	16.447
Conductivity (S/m)	4.590

C. SAR Surface and Volume



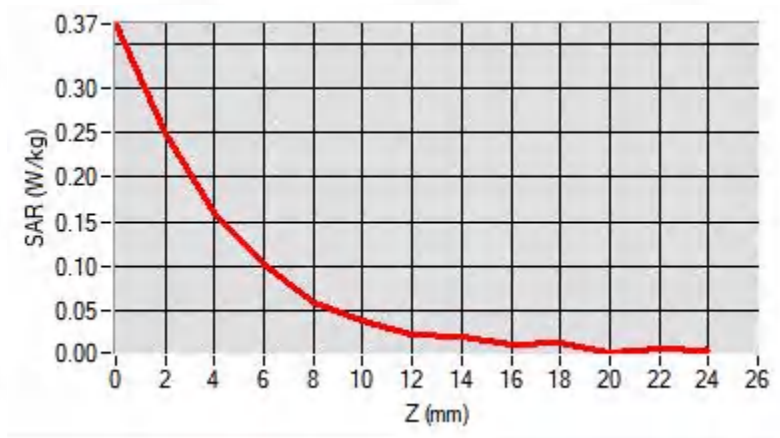
Maximum location: X=16.00, Y=9.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

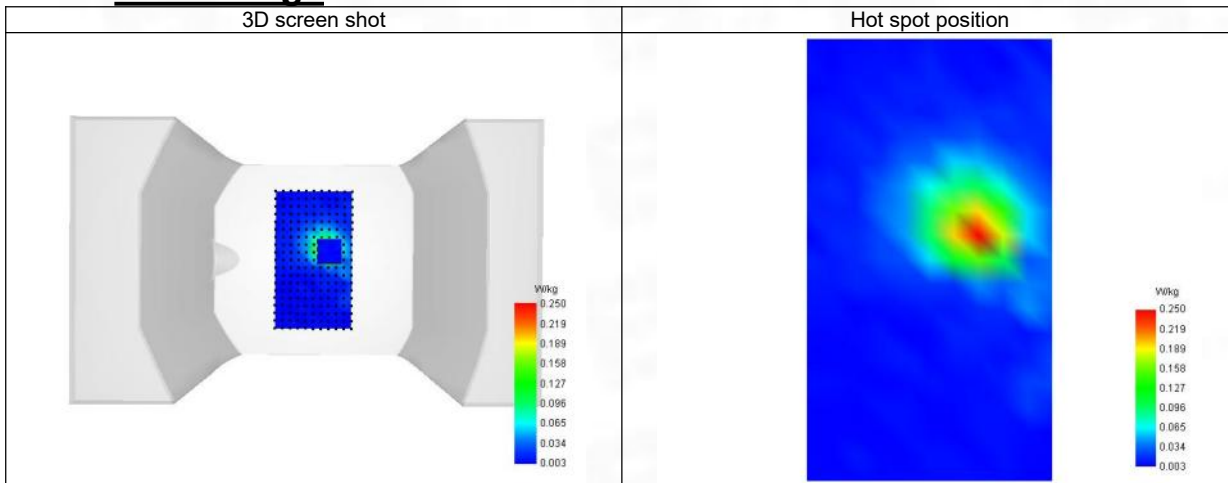
SAR 10g (W/Kg)	0.059
SAR 1g (W/Kg)	0.155
Variation (%)	3.040
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	64.898286

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.372	0.247	0.160	0.102	0.060	0.038	0.023	0.021	0.011	0.015	0.003	0.007



F. 3D Image



43-Head with front position in dist. 0mm on Channel 58 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-2a (Cheek, Right)

Date of measurement: 2/5/2026

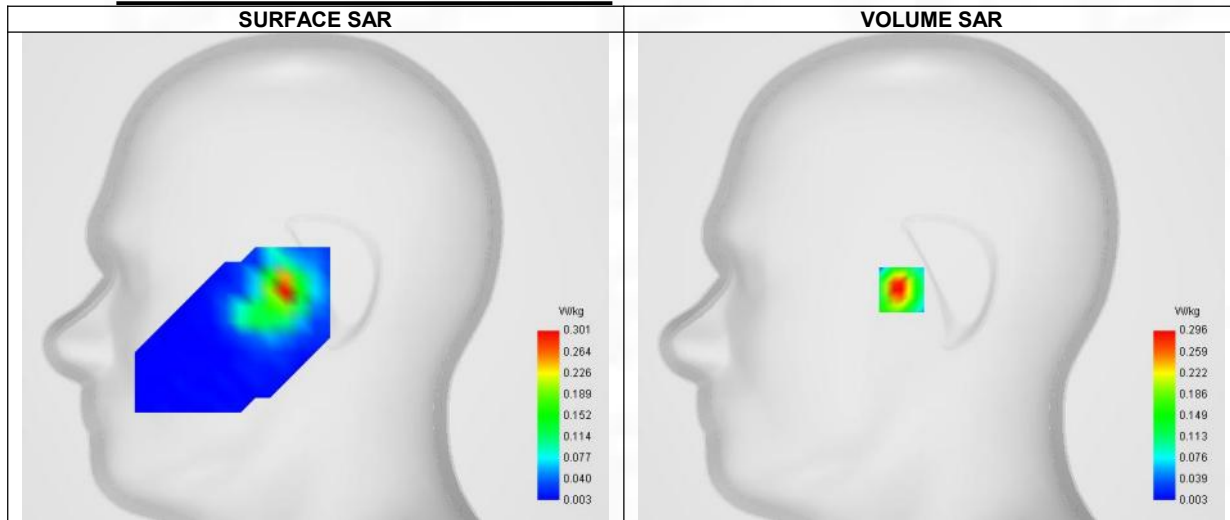
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.16
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	U-NII-2a
Channels/Frequency	Middle (58)/ frequency 5290.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5290.000
Relative permittivity (real part)	36.068
Relative permittivity (imaginary part)	16.496
Conductivity (S/m)	4.726

C. SAR Surface and Volume



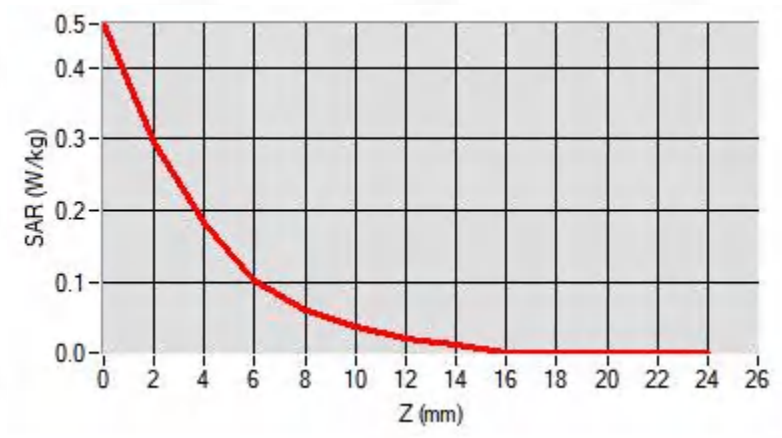
Maximum location: X=-16.00, Y=-7.00 ; SAR Peak: 0.65 W/kg

D. SAR 1g & 10g

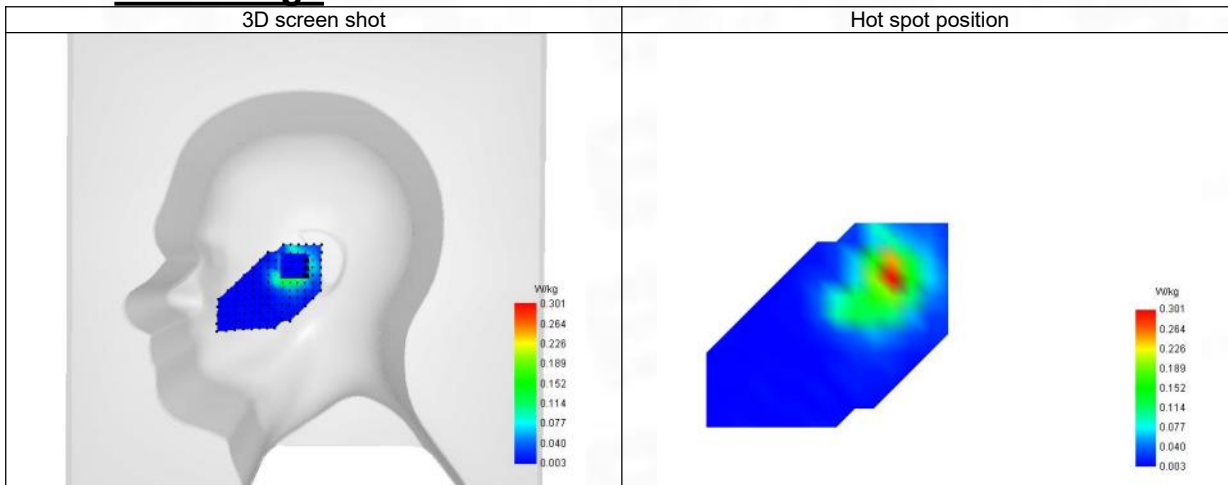
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.261
Variation (%)	2.370
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	62.642447

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.460	0.296	0.185	0.102	0.061	0.040	0.022	0.013	0.003	0.003	0.003	0.003



F. 3D Image



44-Body with back position in dist. 10mm on Channel 58 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-2a (Body, Validation Plane)

Date of measurement: 2/5/2026

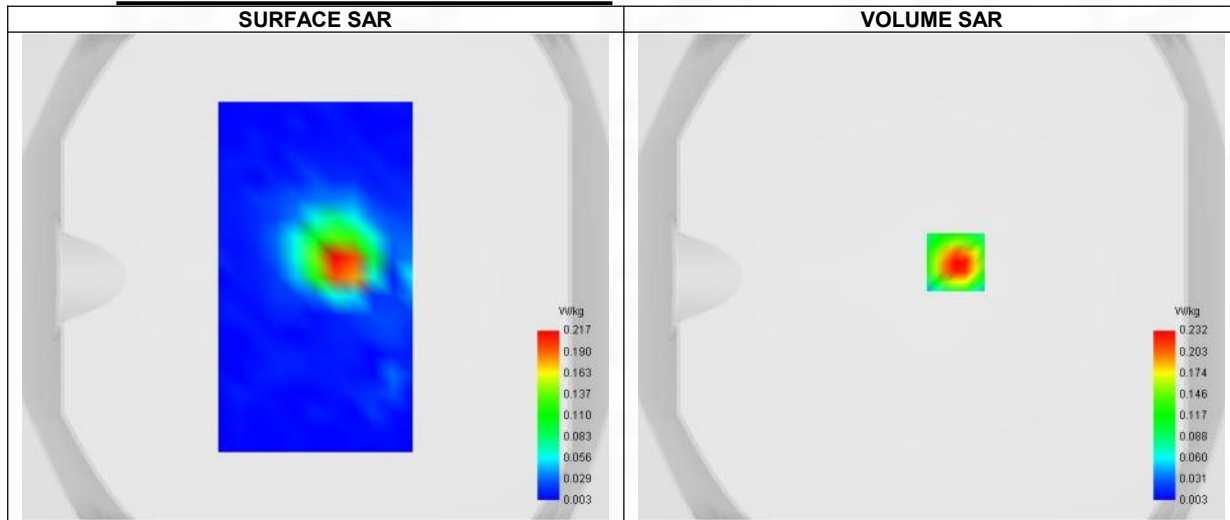
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.16
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-2a
Channels/Frequency	Middle (58)/ frequency 5290.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5290.000
Relative permittivity (real part)	36.068
Relative permittivity (imaginary part)	16.496
Conductivity (S/m)	4.726

C. SAR Surface and Volume



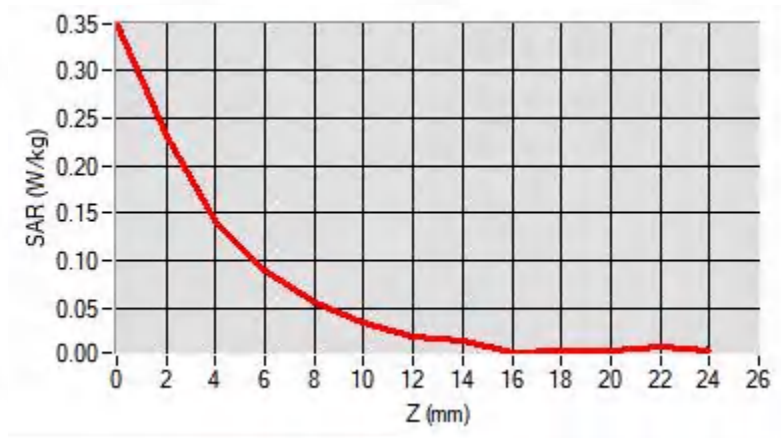
Maximum location: X=10.00, Y=6.00 ; SAR Peak: 0.37 W/kg

D. SAR 1g & 10g

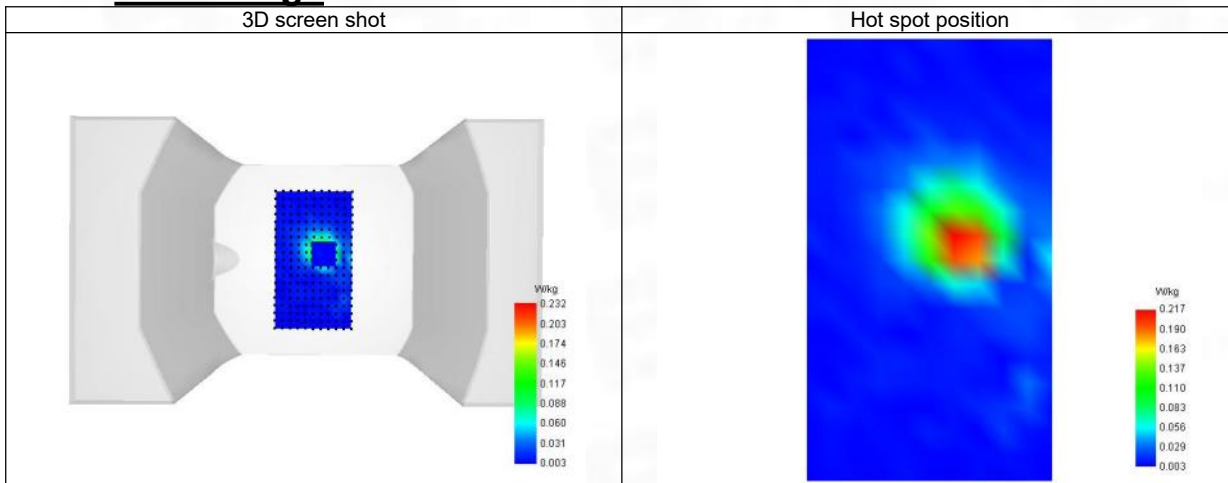
SAR 10g (W/Kg)	0.058
SAR 1g (W/Kg)	0.147
Variation (%)	1.410
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	61.081175

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.350	0.232	0.142	0.089	0.055	0.034	0.020	0.015	0.003	0.006	0.004	0.009



F. 3D Image



45-Head with front position in dist. 0mm on Channel 122 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-2c (Cheek, Right)

Date of measurement: 3/5/2026

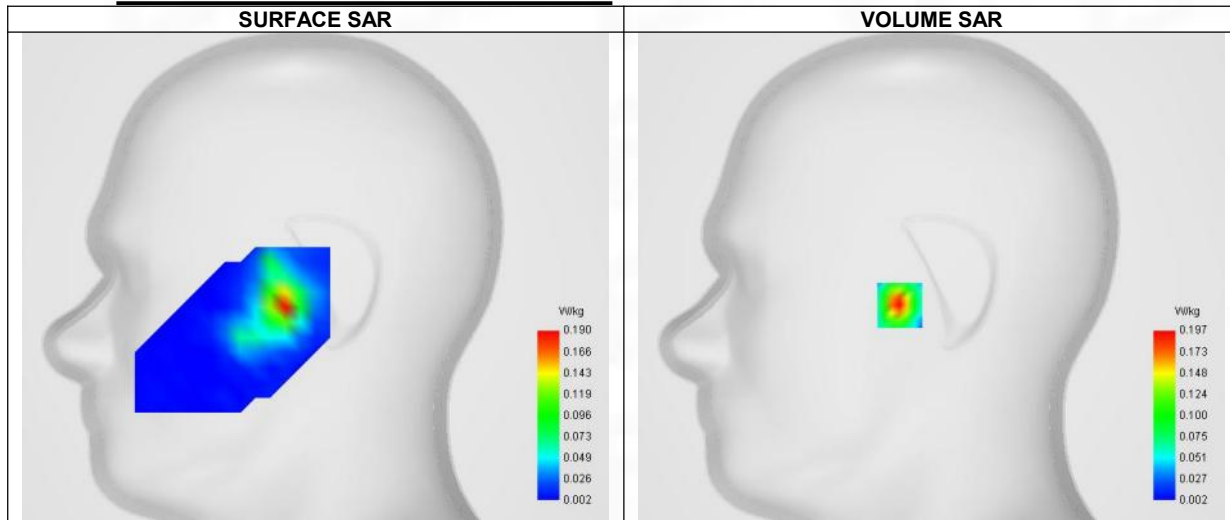
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.99
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	U-NII-2c
Channels/Frequency	Middle (122)/ frequency 5610.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5610.000
Relative permittivity (real part)	35.304
Relative permittivity (imaginary part)	16.839
Conductivity (S/m)	5.162

C. SAR Surface and Volume



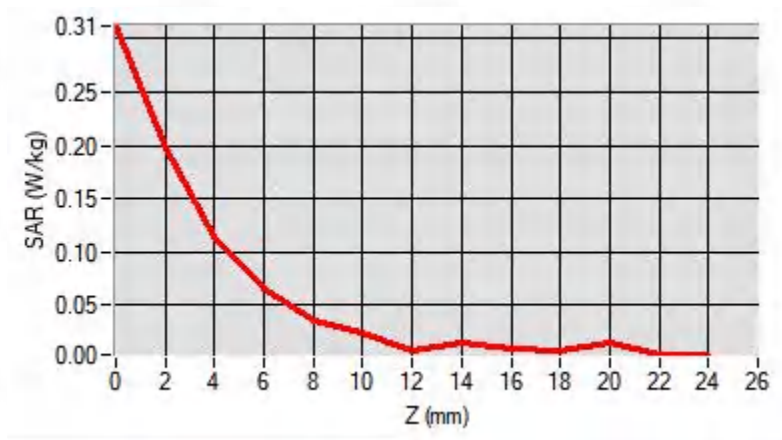
Maximum location: X=-17.00, Y=-15.00 ; SAR Peak: 0.48 W/kg

D. SAR 1g & 10g

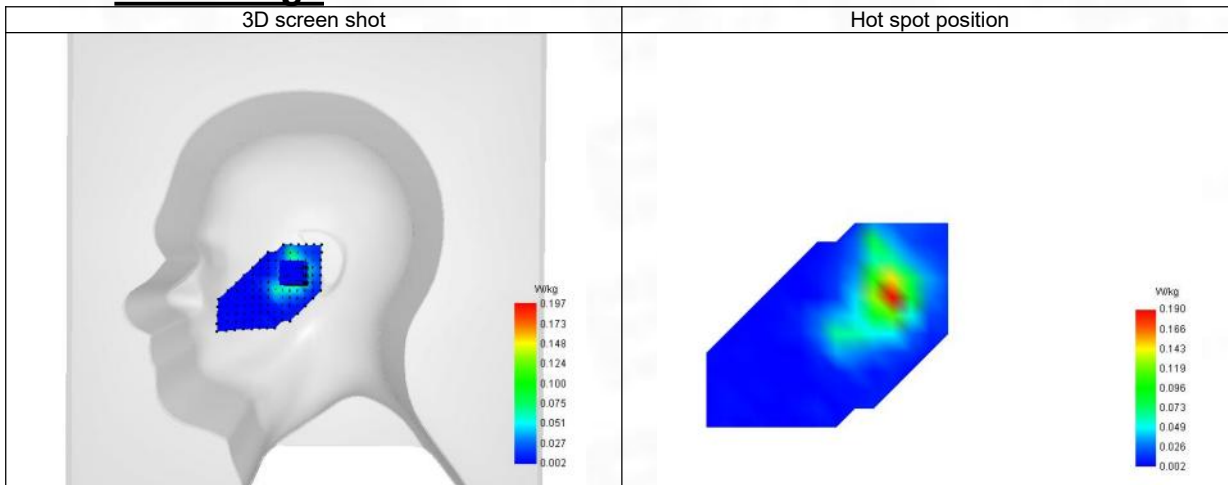
SAR 10g (W/Kg)	0.062
SAR 1g (W/Kg)	0.183
Variation (%)	2.800
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.671580

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.312	0.197	0.114	0.066	0.035	0.025	0.006	0.015	0.009	0.007	0.014	0.003



F. 3D Image



46-Body with back position in dist. 10mm on Channel 122 in IEEE 802.11ax U-NII

SAR Measurement at U-NII-2c (Body, Validation Plane)

Date of measurement: 3/5/2026

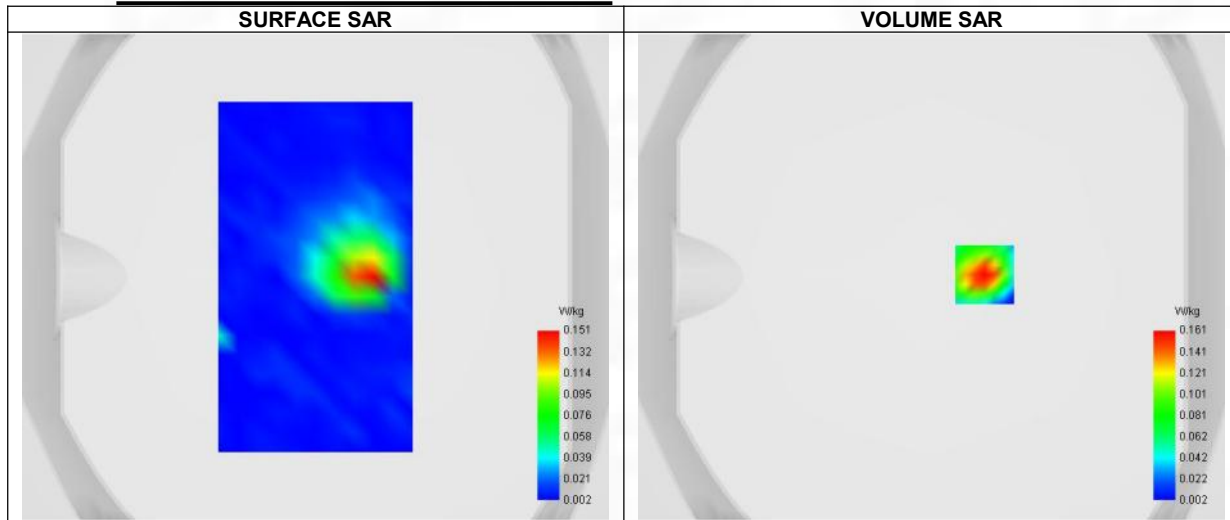
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.99
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-2c
Channels/Frequency	Middle (122)/ frequency 5610.000 Mhz
Signal	IEEE 802.11 ax

B. Permittivity

Middle TX Frequency (MHz)	5610.000
Relative permittivity (real part)	35.304
Relative permittivity (imaginary part)	16.839
Conductivity (S/m)	5.162

C. SAR Surface and Volume

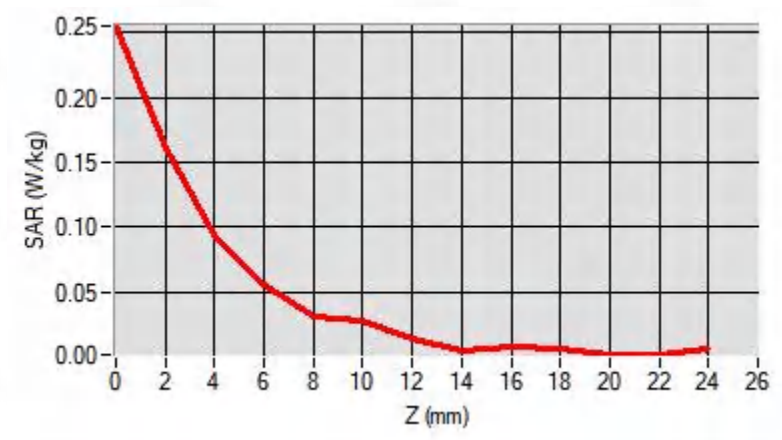


D. SAR 1g & 10g

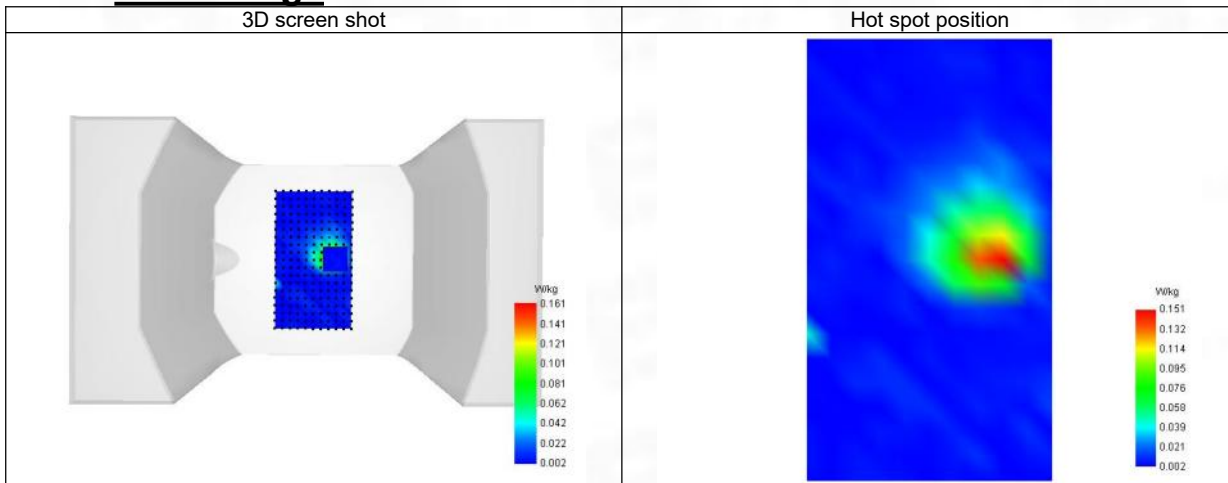
SAR 10g (W/Kg)	0.036
SAR 1g (W/Kg)	0.100
Variation (%)	2.930
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	59.034004

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.255	0.161	0.095	0.056	0.032	0.028	0.014	0.006	0.008	0.007	0.002	0.002



F. 3D Image



47-Head with front position in dist. 0mm on Channel 151 in IEEE 802.11n U-NII

SAR Measurement at U-NII-3 (Cheek, Right)

Date of measurement: 4/5/2026

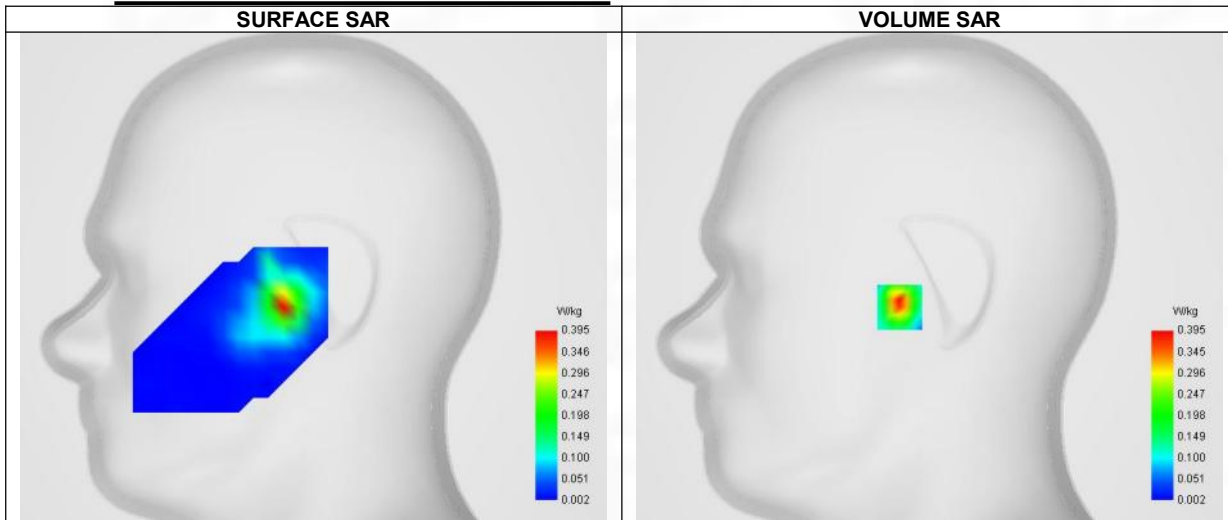
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.10
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	U-NII-3
Channels/Frequency	Middle (151)/ frequency 5755.000 Mhz
Signal	IEEE 802.11 n

B. Permittivity

Middle TX Frequency (MHz)	5755.000
Relative permittivity (real part)	35.226
Relative permittivity (imaginary part)	16.416
Conductivity (S/m)	5.283

C. SAR Surface and Volume

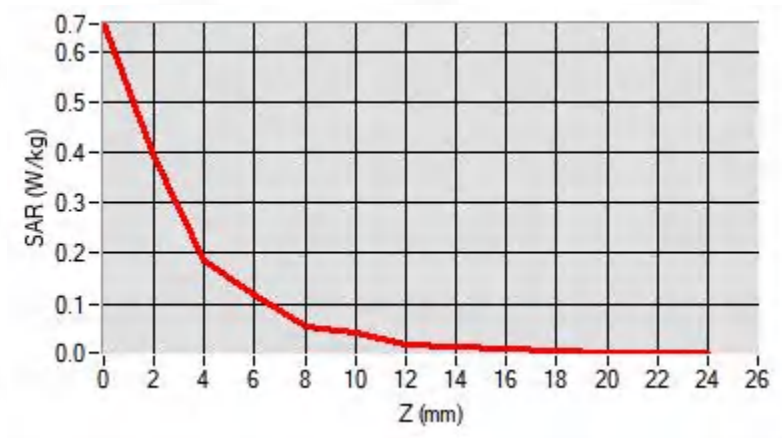


D. SAR 1g & 10g

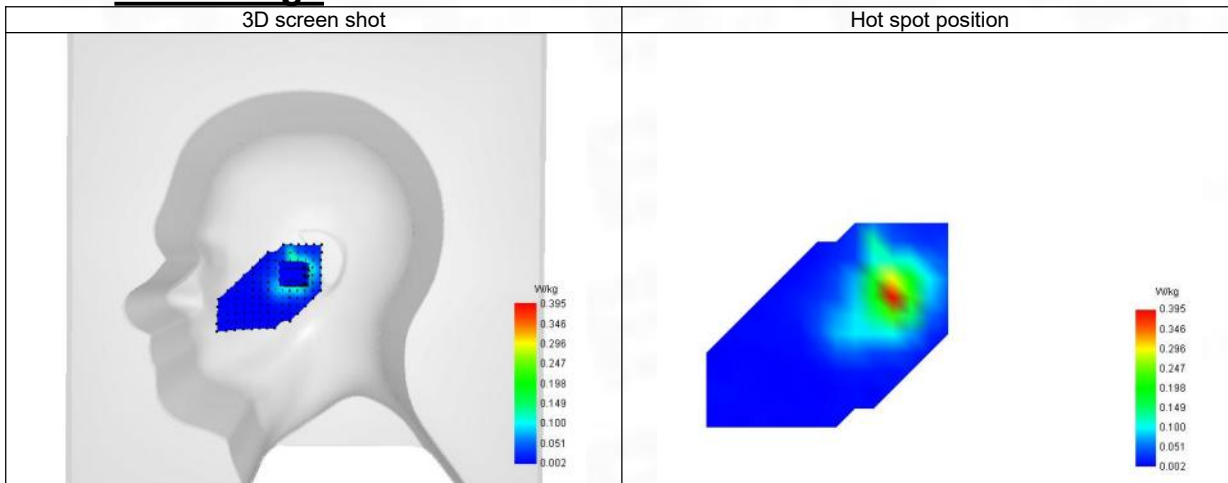
SAR 10g (W/Kg)	0.118
SAR 1g (W/Kg)	0.363
Variation (%)	2.820
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.658304

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.658	0.395	0.185	0.118	0.055	0.040	0.018	0.013	0.011	0.006	0.003	0.002



F. 3D Image



48-Body with back position in dist. 10mm on Channel 151 in IEEE 802.11n U-NII

SAR Measurement at U-NII-3 (Body, Validation Plane)

Date of measurement: 4/5/2026

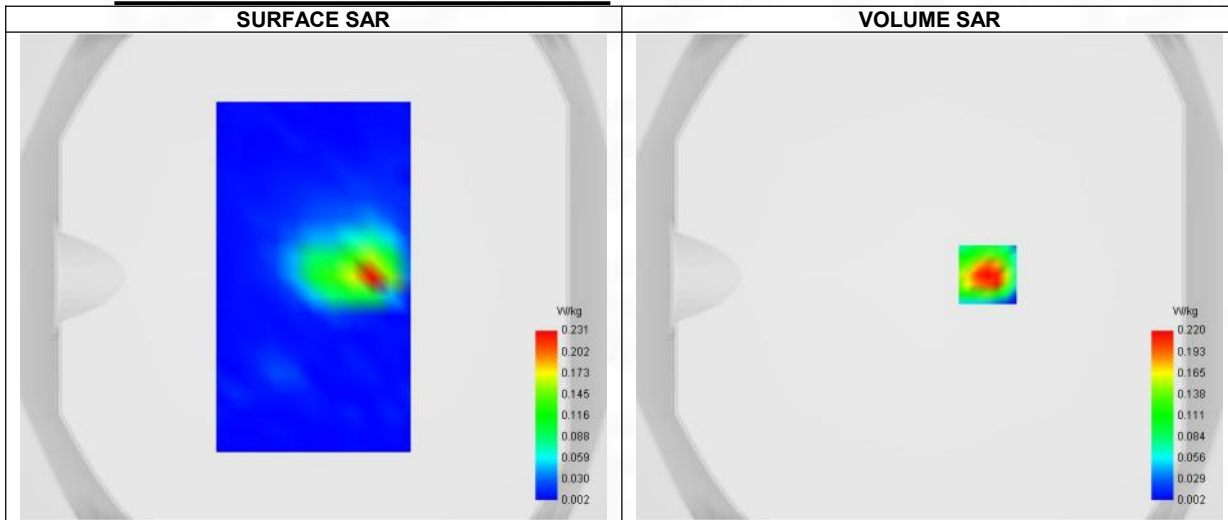
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.10
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x12, dx=4mm dy=4mm dz=2.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	U-NII-3
Channels/Frequency	Middle (151)/ frequency 5755.000 Mhz
Signal	IEEE 802.11 n

B. Permittivity

Middle TX Frequency (MHz)	5755.000
Relative permittivity (real part)	35.226
Relative permittivity (imaginary part)	16.416
Conductivity (S/m)	5.283

C. SAR Surface and Volume

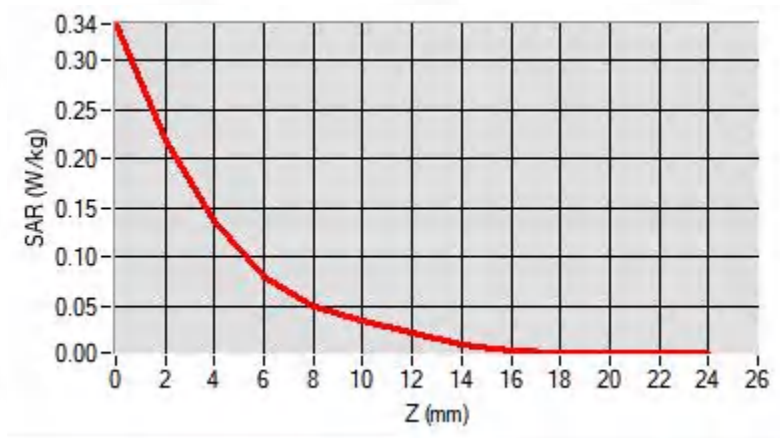


D. SAR 1g & 10g

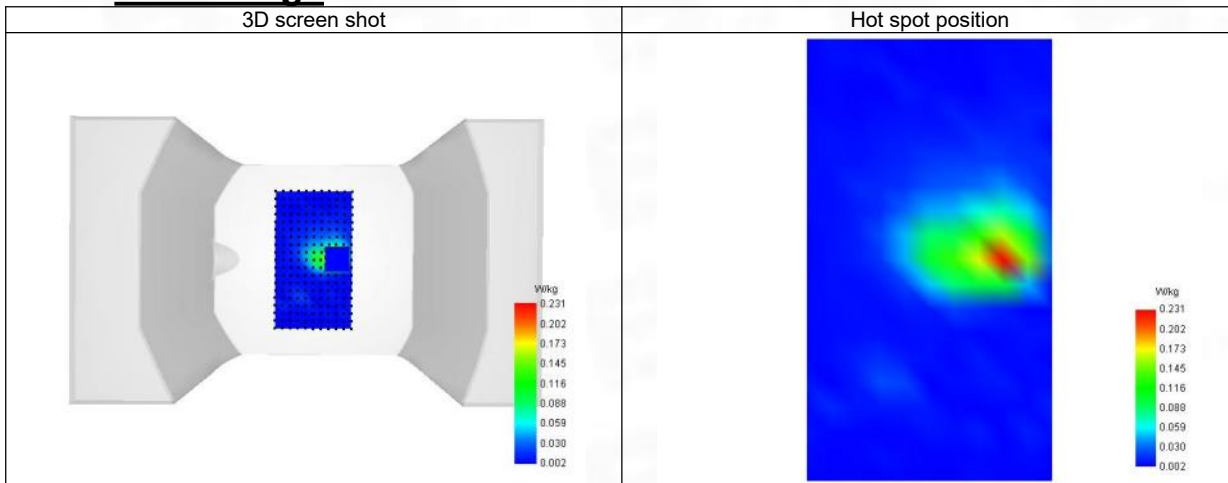
SAR 10g (W/Kg)	0.042
SAR 1g (W/Kg)	0.131
Variation (%)	-2.410
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	62.125861

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	0.338	0.220	0.137	0.080	0.050	0.034	0.022	0.009	0.005	0.002	0.003	0.003



F. 3D Image



49-Head with front position in dist. 0mm on Channel 39 in Bluetooth

SAR Measurement at Bluetooth (Cheek, Right)

Date of measurement: 12/5/2026

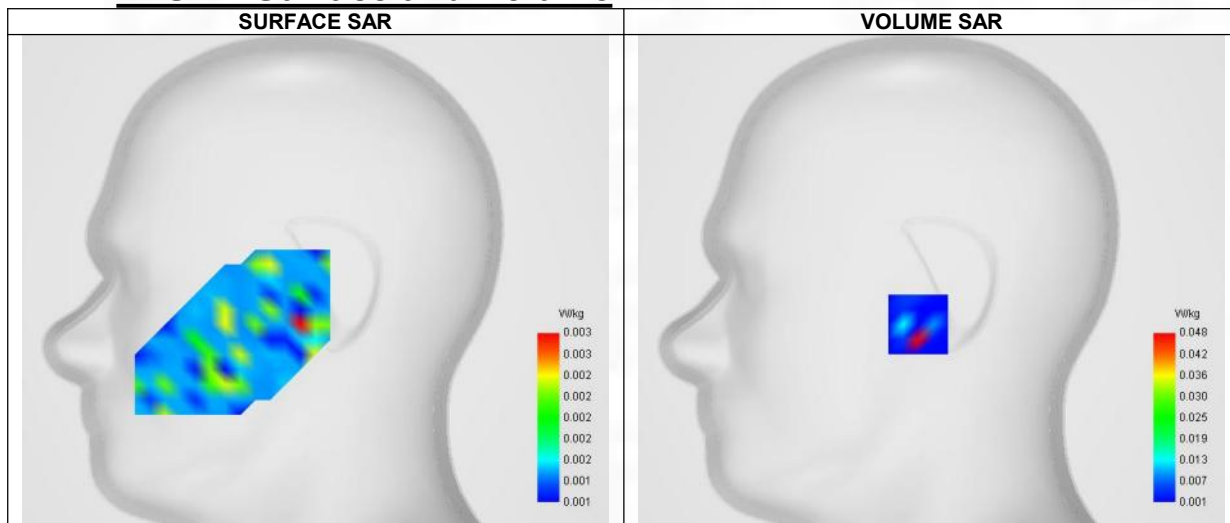
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.31
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	Bluetooth
Channels/Frequency	Middle (39)/ frequency 2441.000 Mhz
Signal	Bluetooth

B. Permittivity

Middle TX Frequency (MHz)	2441.000
Relative permittivity (real part)	38.847
Relative permittivity (imaginary part)	13.456
Conductivity (S/m)	1.776

C. SAR Surface and Volume



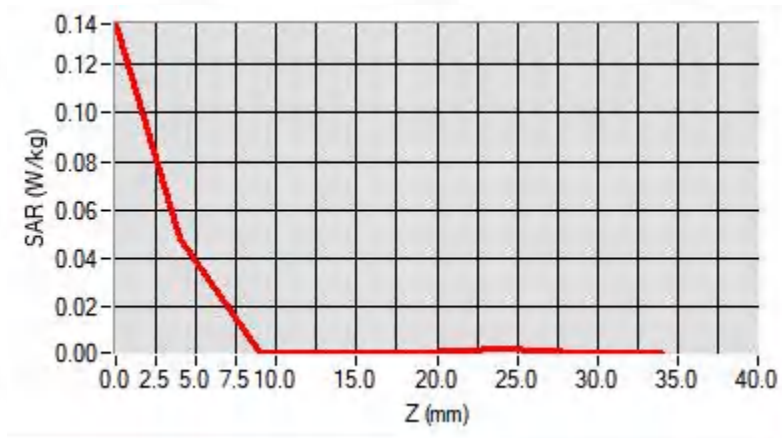
Maximum location: X=-7.00, Y=-24.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

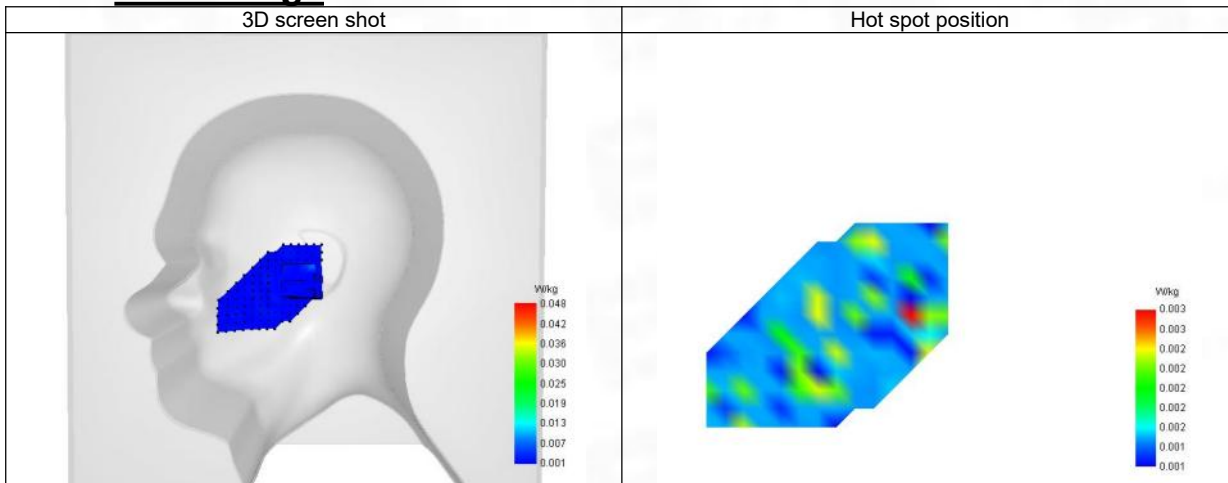
SAR 10g (W/Kg)	0.006
SAR 1g (W/Kg)	0.022
Variation (%)	-2.790
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	43.187923

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.137	0.048	0.021	0.001	0.001	0.002	0.001



F. 3D Image



50-Body with back position in dist. 10mm on Channel 39 in Bluetooth

SAR Measurement at Bluetooth (Body, Validation Plane)

Date of measurement: 12/5/2026

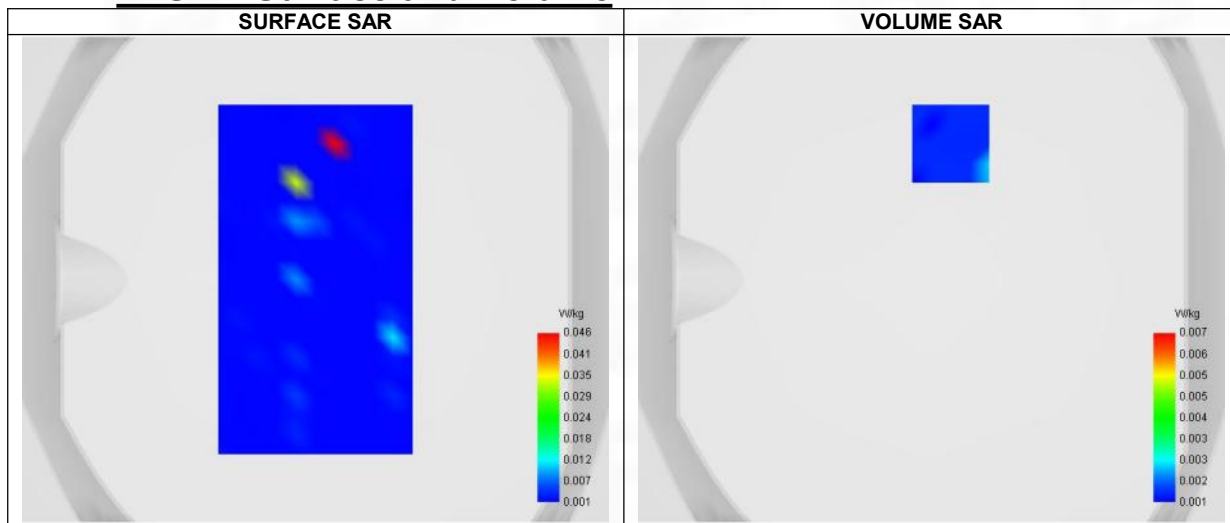
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.31
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	Bluetooth
Channels/Frequency	Middle (39)/ frequency 2441.000 Mhz
Signal	Bluetooth

B. Permittivity

Middle TX Frequency (MHz)	2441.000
Relative permittivity (real part)	38.847
Relative permittivity (imaginary part)	13.456
Conductivity (S/m)	1.776

C. SAR Surface and Volume



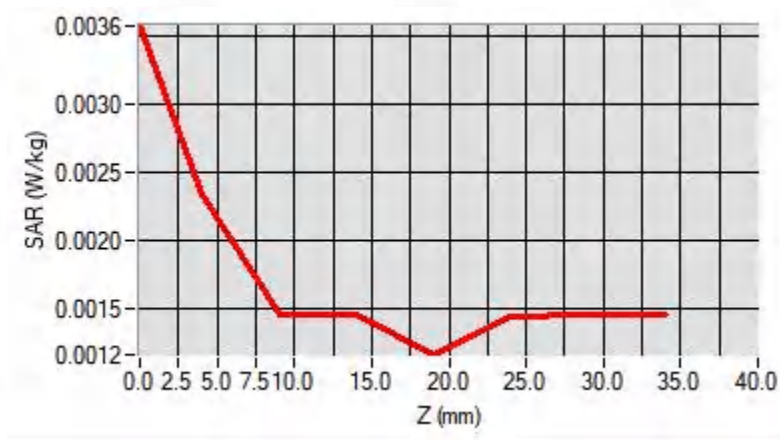
Maximum location: X=8.00, Y=56.00 ; SAR Peak: 0.01 W/kg

D. SAR 1g & 10g

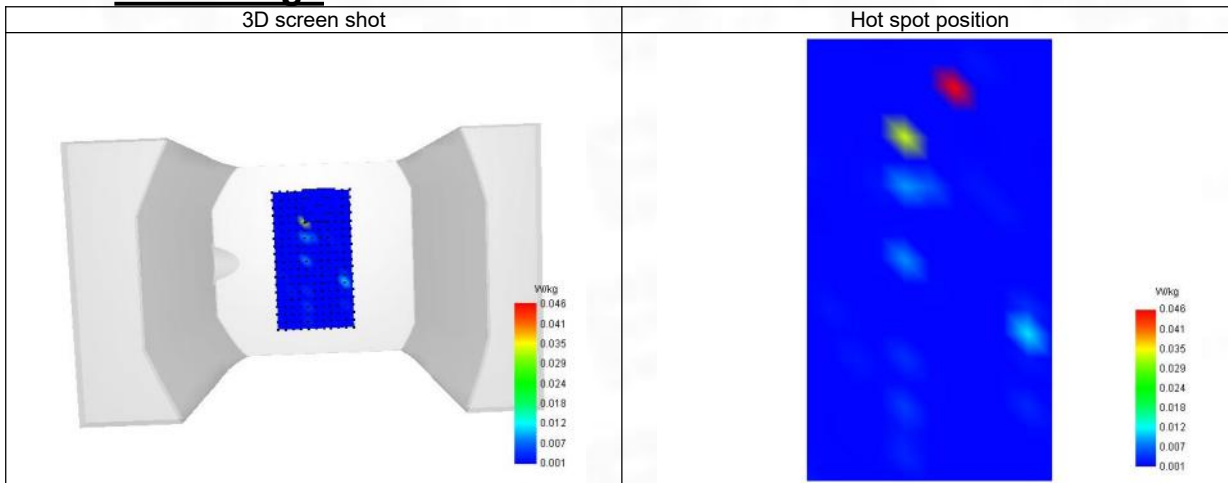
SAR 10g (W/Kg)	0.003
SAR 1g (W/Kg)	0.006
Variation (%)	-4.170
Horizontal validation criteria: minimum distance (mm)	28.844410
Vertical validation criteria: SAR ratio M2/M1 (%)	49.529693

E. Z Axis Scan

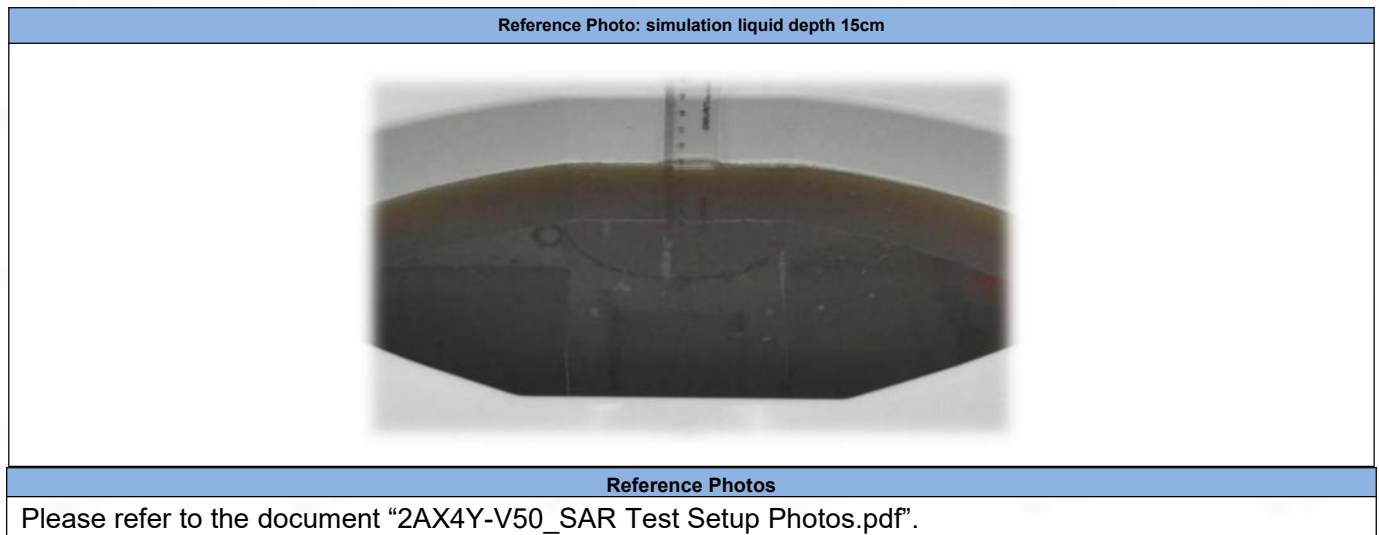
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.004	0.002	0.001	0.001	0.001	0.001	0.001



F. 3D Image



ANNEX D SAR Test Setup Photos



ANNEX E EUT External and Internal Photos

Please refer to RF Report.

ANNEX F Calibration Information

Please refer to the document "Calibration.pdf".



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