



SAR Test Report

For

Applicant Name: UNNECTO HOLDING LIMITED
Address: 13/F HARBOUR COMMERCIAL BUILDING 122-124 CONNAUGHT ROAD CENTRAL SHEUNG WAN HK
EUT Name: Mobile Phone
Brand name: unnecto™
Model Name: Bolt 1U

Issued By

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

Report Number: BTF250630R00501
Test Standards: FCC 47 CFR§2.1093 IEEE Std. 1528-2013
IEEE C95.1-2019
FCC ID: 2ADR3UB01U

Test Conclusion: Pass
Test Date: 2025-08-15 to 2025-09-19
Date of Issue: 2025-09-22

Tested By: 
Kris Li / Tester

Date: 2025-09-22

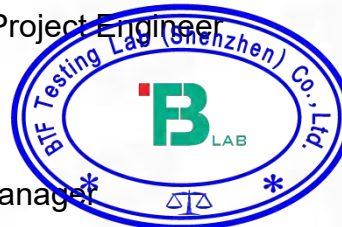
Prepared By: 

Amenda Zhong / Project Engineer

Date: 2025-09-22

Approved By: 
Ryan.CJ / EMC Manager

Date: 2025-09-22



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2025-09-20	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:	101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, 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:	101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China
Description:	All measurement facilities used to collect the measurement data are located at 101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, 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.
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- (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:	UNNECTO HOLDING LIMITED
Address:	13/F HARBOUR COMMERCIAL BUILDING 122-124 CONNAUGHT ROAD CENTRAL SHEUNG WAN HK

2.2 Manufacturer Information

Company Name:	Shenzhen Water World Information Co., LTD
Address:	3rd Floor, Building 3, Dexinchang Smart Park, No. 23, Heping Road, Qinghua Community, Longhua Sub-district, Longhua District, Shenzhen City.

2.3 Factory Information

Company Name:	Shenzhen Water World Information Co., LTD
Address:	3rd Floor, Building 3, Dexinchang Smart Park, No. 23, Heping Road, Qinghua Community, Longhua Sub-district, Longhua District, Shenzhen City.

2.4 General Description of Equipment under Test (EUT)

EUT Name	Mobile Phone
Under Test Model Name	Bolt 1U
Sample No.	BTFSN250630008
Hardware Version	YK583-MB-V0.2A

2.5 Equipment under Test Ancillary Equipment

Ancillary Equipment 1	Rechargeable Battery	
	Capacity	4000mAh
	Rated 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 2/4/5/12/13/17/25/26/66/71 TDD LTE Band 38/41 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) BT (EDR+BLE)
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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
----------------	----------------------------------

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 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 38	2570 ~ 2620 MHz	
	LTE Band 41	2496 ~ 2690 MHz	
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	802.11b/g/n(HT20)	2412 ~ 2462 MHz	
	802.11n(HT40)	2422 ~ 2452 MHz	
	802.11a /802.11n(HT20/40) /802.11ac(HT20/40/80)	U-NII-1: 5180 MHz ~ 5240 MHz, U-NII-2A: 5260 MHz ~ 5320 MHz, U-NII-2C: 5500 MHz ~ 5700 MHz, U-NII-3: 5745 MHz ~ 5825 MHz	
	Bluetooth	2402 ~ 2480 MHz	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna BT: PIFA Antenna		
Hotspot Function	Support		
Power Reduction	Not Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		
Product	Type		
	☐ Production unit	☒ Identical prototype	

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 bellows:

<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Head	GSM 850	0.051	PCE	0.672

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1-g SAR (0 mm Gap)	GSM 1900	0.227		
	WCDMA Band II	0.530		
	WCDMA Band IV	0.571		
	WCDMA Band V	0.148		
	LTE Band 2	0.672		
	LTE Band 4	0.531		
	LTE Band 5	0.191		
	LTE Band 12	0.134		
	LTE Band 13	0.110		
	LTE Band 17	0.150		
	LTE Band 25	0.643		
	LTE Band 26 part 90	0.246		
	LTE Band 26 part 22	0.255		
	LTE Band 38	0.095		
	LTE Band 41	0.149		
	LTE Band 66	0.645		
	LTE Band 71	0.074		
	WLAN 2.4 GHz	0.235		
	WLAN 5.2 GHz	0.655		
	WLAN 5.4 GHz	0.237		
	WLAN 5.6 GHz	0.092		
	WLAN 5.8 GHz	0.212		
	Bluetooth	0.004		
Exposure Position		Frequency Band	Reported SAR (W/kg)	Equipment Class
Hotspot(Body) 1-g SAR (10 mm Gap)	GSM 850	0.040	PCE	0.361
	GSM 1900	0.045		
	WCDMA Band II	0.206		
	WCDMA Band IV	0.189		
	WCDMA Band V	0.121		
	LTE Band 2	0.286		
	LTE Band 4	0.201		
	LTE Band 5	0.222		
	LTE Band 12	0.141		
	LTE Band 13	0.122		
	LTE Band 17	0.144		
	LTE Band 25	0.269		
	LTE Band 26 part 90	0.180		
	LTE Band 26 part 22	0.162		
	LTE Band 38	0.138		
	LTE Band 41	0.081		
	LTE Band 66	0.222		
	LTE Band 71	0.104		
	WLAN 2.4 GHz	0.361		
	WLAN 5.2 GHz	0.281		
	WLAN 5.4 GHz	0.311		
	WLAN 5.6 GHz	0.007		
	WLAN 5.8 GHz	0.102		
	Bluetooth	0.003		

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)	LTE Band 2 + 5.2G WIFI	1.327	1.6	Pass
Hotspot(Body) 1-g SAR (10 mm Gap)	LTE Band 2 + 2.4G WIFI	0.647	1.6	Pass

3.4 Test Uncertainty

3.4.1 Measurement uncertainty evaluation for SAR test

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

Uncertainty Component	Tol (+-%)	Prob. Dist.	Div.	Unc. u(xi)=a(xi)/qi	Ci (1g)	Ci (10g)	1g Ui (+-%)	10 g Ui (+-%)	Vi veff
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Measurement System									
Probe calibration	14	N (k = 2)	2	7.00	1	1	7.00	7.00	∞
Probe calibration drift	4	R	√3	2.31	1	1	2.31	2.31	∞
Probe linearity	4.7	R	√3	2.71	1	1	2.71	2.71	∞
detection limit	1	R	√3	0.58	1	1	0.58	0.58	∞
Probe isotropy	3.5	R	√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	√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	√3	1.44	0.23	0.26	0.33	0.38	∞
Shell permittivity	2.9	R	√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	√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	√3	0.00	1	1	0.00	0.00	∞
Probe calibration	14	N (k = 2)	2	7.00	1	1	7.00	7.00	∞
Combined uncertainty	/						11.94	11.94	
Expanded Uncertainty (95% Confidence interval)	/						23.89	23.88	

* 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 veff
Measurement System									
Probe calibration	14	N (k = 2)	2	7.00	1	1	7.00	7.00	∞
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	∞

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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	∞
$u(\Delta\text{SAR})$	/						11.89	11.85	
Expanded uncertainty (95% confidence interval)	/						23.79	23.70	

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:

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

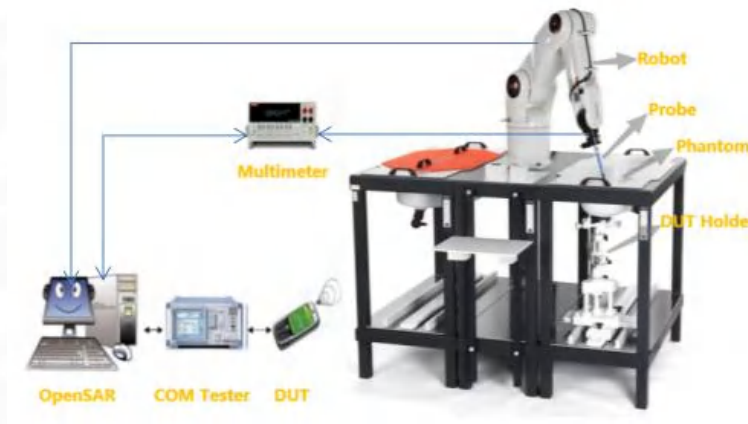
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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 SSE2 E-Field Probe with following specifications is used:

- Dynamic range: 0.01-100 W/kg
- Tip diameter: 2mm for SSE2
- Distance between probe tip and sensor centre: 1mm for SSE2
- Distance between sensor centre and the inner phantom surface: 2mm for $f \geq 4\text{GHz}$.
- Probe linearity: $< 0.25\text{dB}$.
- Axial Isotropy: $< 0.25\text{dB}$.
- Spherical Isotropy: $< 0.50\text{dB}$.
- Calibration range: 150 to 6000 MHz for head & body simulating liquid
- Angle between probe axis (evaluation axis) and surface normal line: less than 20° .



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.

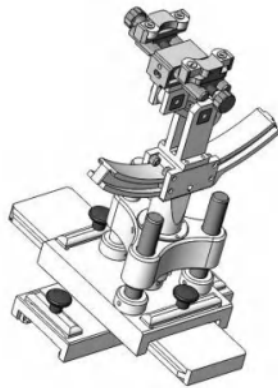


ELLI Phantom

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

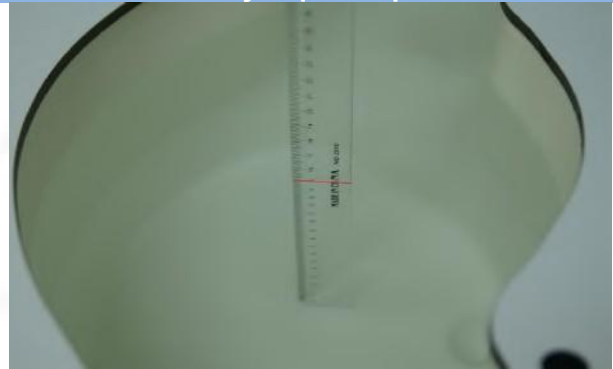
4.2.6 Simulating Liquid

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)

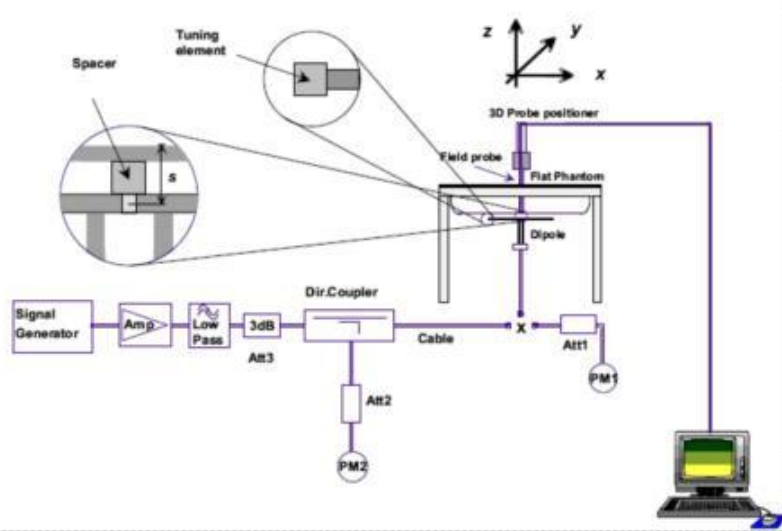
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	1.4	40.0
2450	55.0	0	0	0.1	0	44.9	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

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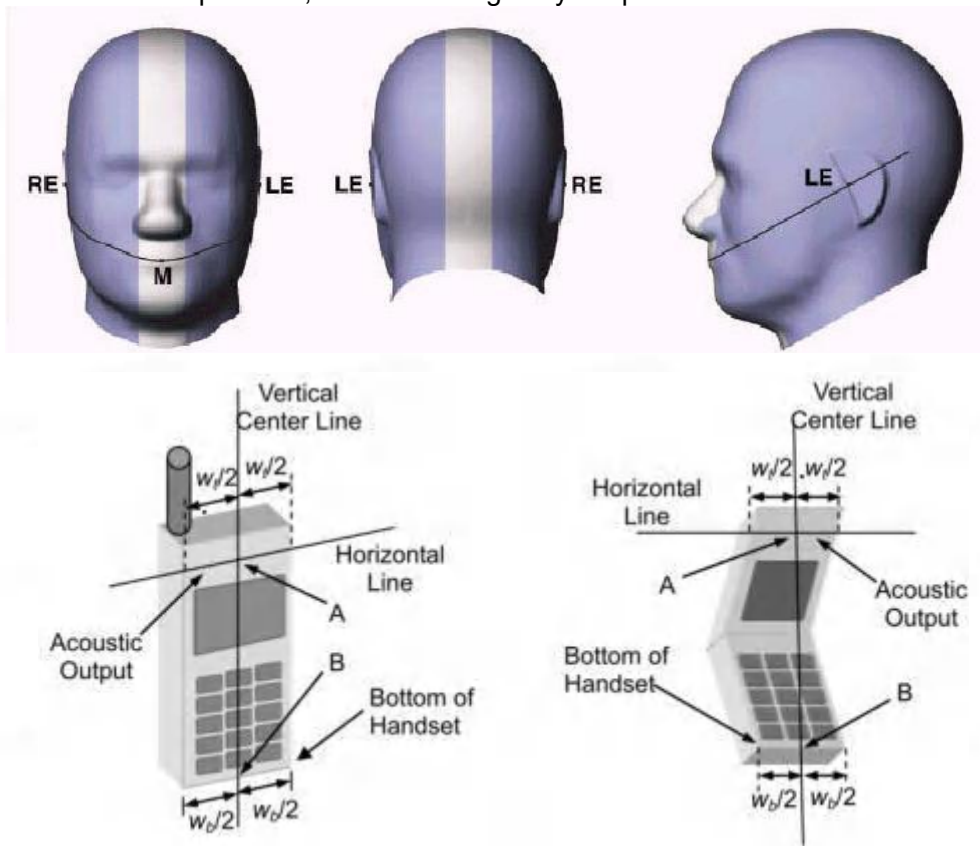
BTF Testing Lab (Shenzhen) Co., Ltd.

101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China

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

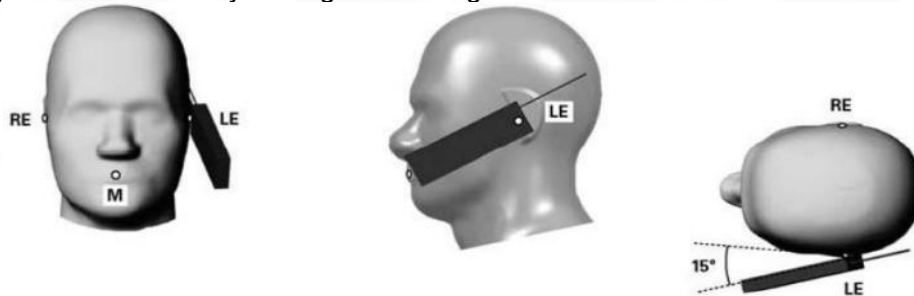
- To position the device with the vertical center line of the body of the device and the horizontal line crossing the center piece in a plane parallel to the sagittal plane of the phantom. While maintaining the device in this plane, align the vertical center line with the reference plane containing the 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

- (a) To position the device in the “cheek” position described above.
- (b) 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.



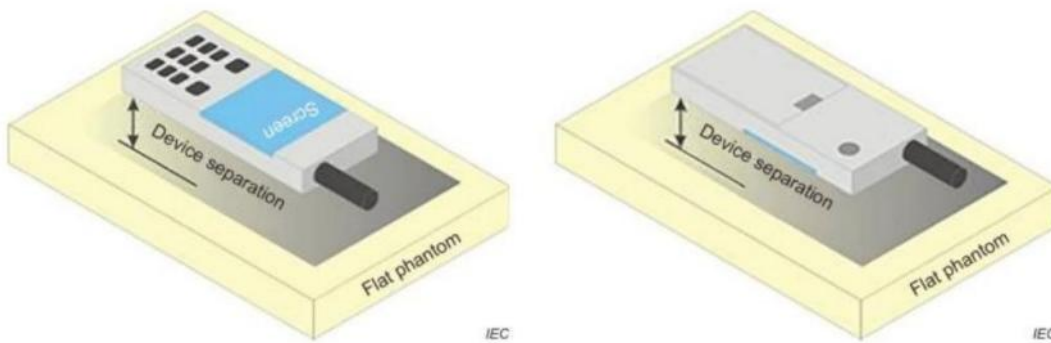
6.2 Body-worn Position Conditions

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

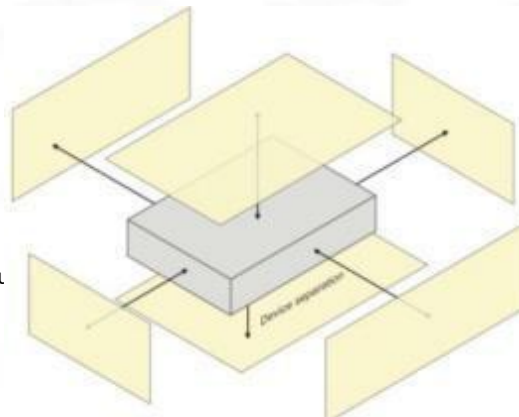
body-worn accessories with similar operating and exposure characteristics. All body-worn accessories containing metallic components are tested in conjunction with the host device.

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

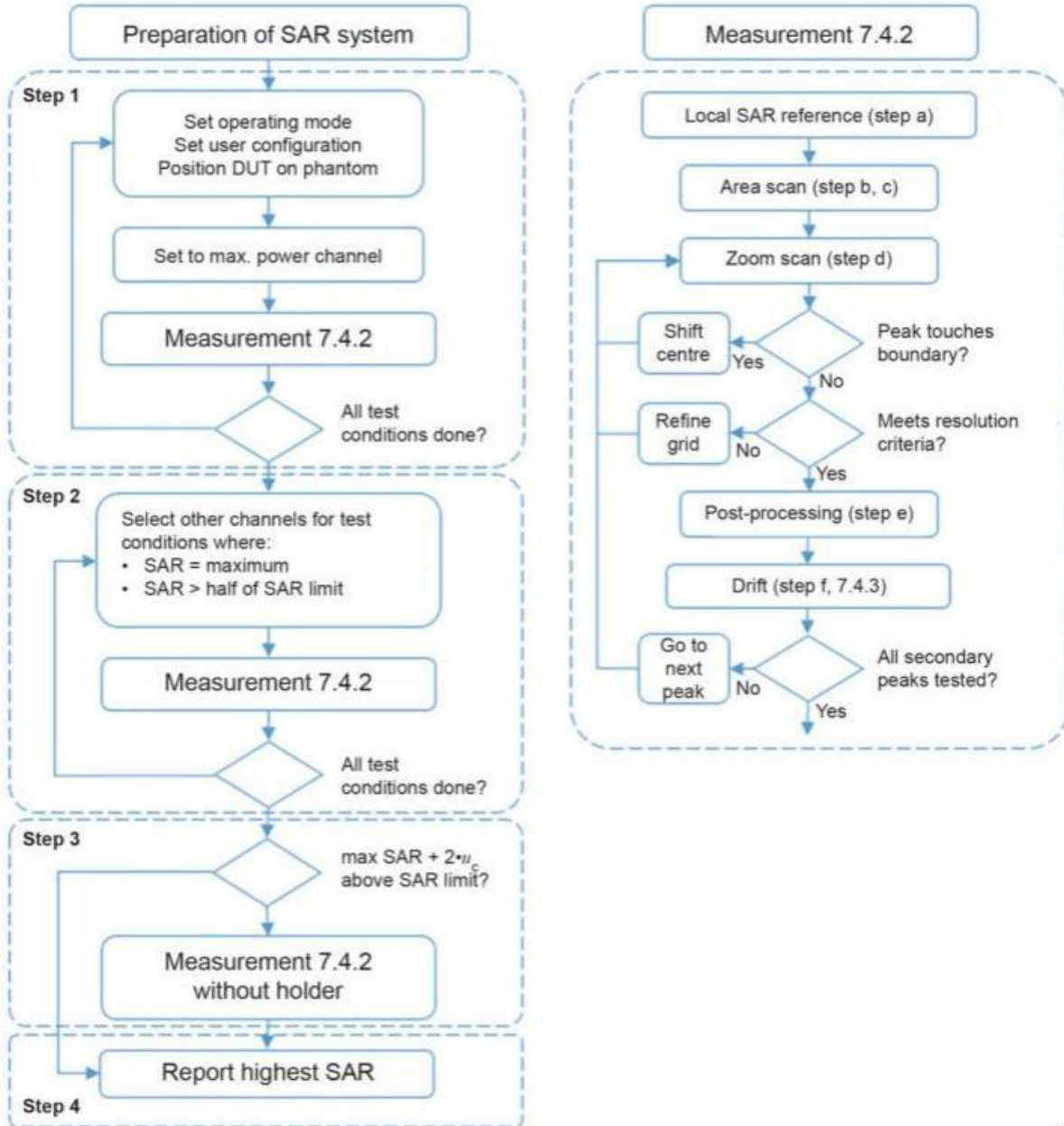
According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed 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	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$	
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	
		Δz Zoom (n>1): between subsequent points	≤ 1.5·Δz Zoom (n-1)		
		5–6 GHz: ≤ 2 mm			
	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

- 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
- 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		33.00	32.63	32.68	32.81	-9.03	23.60	23.65	23.78
GPRS (GMSK)	1Tx slot	33.00	32.53	32.39	32.49	-9.03	23.50	23.36	23.46
	2Tx slots	31.50	31.37	31.33	31.47	-6.02	25.35	25.31	25.45
	3Tx slots	29.50	28.95	28.91	29.15	-4.26	24.69	24.65	24.89
	4Tx slots	28.00	27.71	27.72	27.95	-3.01	24.70	24.71	24.94
EGPRS (8PSK)	1Tx slot	27.50	27.08	27.16	27.12	-9.03	18.05	18.13	18.09
	2Tx slots	26.50	26.15	26.17	26.18	-6.02	20.13	20.15	20.16
	3Tx slots	24.50	24.04	24.19	24.15	-4.26	19.78	19.93	19.89
	4Tx slots	23.00	22.72	22.73	22.77	-3.01	19.71	19.72	19.76
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	29.22	28.85	28.64	-9.03	20.19	19.82	19.61
GPRS (GMSK)	1Tx slot	29.50	29.36	28.85	28.60	-9.03	20.33	19.82	19.57
	2Tx slots	28.50	28.37	27.88	27.60	-6.02	22.35	21.86	21.58
	3Tx slots	26.50	26.06	25.61	25.33	-4.26	21.80	21.35	21.07
	4Tx slots	25.00	24.87	24.45	24.22	-3.01	21.86	21.44	21.21
EGPRS (8PSK)	1Tx slot	26.00	25.12	25.99	24.66	-9.03	16.09	16.96	15.63
	2Tx slots	25.00	24.06	23.88	24.65	-6.02	18.04	17.86	18.63
	3Tx slots	22.50	22.16	21.87	21.66	-4.26	17.90	17.61	17.40
	4Tx slots	21.50	21.04	20.78	20.54	-3.01	18.03	17.77	17.53
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
RMC 12.2K		21.00	20.94	20.46	20.74
HSDPA	Subtest-1	19.00	18.68	18.18	18.50
	Subtest-2	19.00	18.68	18.19	18.47
	Subtest-3	19.00	18.67	18.14	18.50
	Subtest-4	19.00	18.66	18.15	18.53

HSUPA	Subtest-1	16.50	16.42	15.63	16.23
	Subtest-2	16.50	16.14	15.43	15.95
	Subtest-3	16.50	16.42	15.90	16.26
	Subtest-4	16.50	16.11	15.46	16.23
	Subtest-5	16.50	16.31	15.82	16.17
Mode		Maximum Tune-up(dBm)	WCDMA Band IV		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
			1712.4	1732.6	1752.6
RMC 12.2K		21.50	20.68	20.50	21.26
HSDPA	Subtest-1	19.00	18.27	18.13	18.81
	Subtest-2	19.00	18.27	18.10	18.83
	Subtest-3	19.00	18.26	18.12	18.81
	Subtest-4	19.00	18.25	18.12	18.80
HSUPA	Subtest-1	17.00	16.14	15.92	16.69
	Subtest-2	16.50	16.09	15.94	16.35
	Subtest-3	16.50	16.13	15.47	16.36
	Subtest-4	17.00	15.81	15.93	16.69
	Subtest-5	18.00	16.96	15.84	17.56
Mode		Maximum Tune-up(dBm)	WCDMA Band V		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
			826.4	836.6	846.6
RMC 12.2K		21.50	20.50	21.21	21.07
HSDPA	Subtest-1	19.00	18.05	18.78	18.61
	Subtest-2	19.00	18.04	18.79	18.59
	Subtest-3	19.00	18.06	18.79	18.60
	Subtest-4	19.00	18.07	18.77	18.61
HSUPA	Subtest-1	17.00	15.92	16.61	16.48
	Subtest-2	16.50	15.62	16.33	16.00
	Subtest-3	16.50	15.91	16.34	16.02
	Subtest-4	17.00	16.08	16.57	16.49
	Subtest-5	17.50	16.84	17.46	16.47
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	21.18	21.11	20.95
			2	21.50	21.32	21.26	21.04
			5	21.50	21.21	21.12	20.94
		3	0	21.50	21.36	21.21	21.02
			2	21.50	21.35	21.23	21.04

	16QAM	6	3	21.50	21.37	21.21	21.01
			0	20.50	20.30	20.16	20.02
			0	20.50	20.24	20.14	20.07
		1	2	20.50	20.34	20.22	20.19
			5	20.50	20.24	20.17	20.06
			0	21.00	20.52	20.25	19.93
		3	2	21.00	20.55	20.23	19.98
			3	21.00	20.52	20.21	19.96
			0	19.50	19.38	19.13	19.02
		6	0	19.50	19.38	19.13	19.02
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	21.31	21.20	20.99
			7	21.50	21.42	21.30	21.13
			14	21.50	21.30	21.17	20.98
		8	0	20.50	20.30	20.17	19.99
			4	20.50	20.32	20.19	20.00
			7	20.50	20.30	20.18	19.97
		15	0	20.50	20.28	20.15	19.98
	16QAM	1	0	20.50	20.36	20.34	20.49
			7	21.00	20.47	20.46	20.62
			14	20.50	20.31	20.33	20.48
		8	0	19.50	19.41	19.20	19.15
			4	19.50	19.46	19.26	19.20
			7	19.50	19.42	19.20	19.12
		15	0	19.50	19.38	19.18	19.06
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18625	18900	19175
					1852.5MHz	1880.0MHz	1907.5MHz
5MHz	QPSK	1	0	21.50	21.28	21.15	20.99
			13	21.50	21.36	21.22	21.12
			24	21.50	21.25	21.12	21.00
		12	0	20.50	20.26	20.15	19.99
			6	20.50	20.35	20.21	20.10
			13	20.50	20.25	20.17	19.98
		25	0	20.50	20.25	20.14	19.98
	16QAM	1	0	20.50	20.34	20.43	19.85
			13	20.50	20.46	20.48	19.95
			24	20.50	20.36	20.33	19.84
		12	0	19.50	19.29	19.19	19.00
			6	19.50	19.37	19.31	19.05
			13	19.50	19.31	19.27	18.94
		25	0	19.50	19.35	19.19	19.03

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	21.34	21.21	21.09
			25	22.00	21.54	21.36	21.25
			49	21.50	21.32	21.14	21.05
		25	0	20.50	20.28	20.22	20.05
			13	20.50	20.36	20.23	20.10
			25	20.50	20.27	20.23	20.06
		50	0	20.50	20.28	20.19	20.06
	16QAM	1	0	21.00	20.35	20.37	20.65
			25	21.00	20.54	20.55	20.76
			49	21.00	20.35	20.29	20.54
		12	0	20.50	20.37	20.23	20.13

			19	20.50	20.46	20.28	20.19
			38	20.50	20.35	20.19	20.08
			27	0	19.40	19.36	19.04
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	21.24	21.13	20.99
			38	21.50	21.38	21.24	21.08
			74	21.50	21.23	21.06	20.97
		36	0	20.50	20.34	20.20	20.15
			18	20.50	20.38	20.26	20.14
			39	20.50	20.31	20.23	20.16
		75	0	20.50	20.32	20.26	20.15
			0	21.00	20.63	20.34	20.55
			38	21.00	20.72	20.41	20.64
	16QAM	1	74	21.00	20.60	20.22	20.45
			0	20.50	20.21	20.21	20.14
			31	20.50	20.31	20.25	20.16
		12	63	20.50	20.22	20.15	20.02
			48	19.50	19.32	19.30	18.98
			27	48	19.32	19.30	18.98
		27	0	21.00	20.63	20.34	20.55
			38	21.00	20.72	20.41	20.64
			74	21.00	20.60	20.22	20.45
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	21.04	21.05	20.89
			50	21.50	21.47	21.42	21.26
			99	21.50	21.02	20.90	20.81
		50	0	20.50	20.33	20.14	20.26
			25	20.50	20.31	20.22	20.16
			50	20.50	20.21	20.25	20.16
		100	0	20.50	20.26	20.20	20.23
			0	21.00	20.57	20.25	20.17
			50	21.00	20.98	20.57	20.54
	16QAM	1	99	21.00	20.61	20.06	20.04
			0	20.50	20.13	20.02	19.99
			44	20.50	20.39	20.21	20.18
		12	88	20.50	20.15	19.92	19.88
			27	0	19.50	19.33	18.98
			0	19.50	19.33	19.21	18.98
		27	0	19.50	19.33	19.21	18.98
			0	19.50	19.33	19.21	18.98
			0	19.50	19.33	19.21	18.98

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	21.50	20.80	20.96	21.20	
			2	21.50	20.91	21.00	21.32	
			5	21.50	20.78	20.96	21.19	
		3	0	21.50	20.92	21.09	21.26	
			2	21.50	20.96	21.09	21.10	
			3	21.50	20.95	21.05	20.80	
		6	0	20.50	19.86	20.01	20.22	
		16QAM	1	0	20.00	19.98	19.96	19.78
				2	20.50	20.14	20.05	20.14
	5			20.50	19.97	20.00	20.04	
	3		0	20.50	19.86	20.24	20.04	

			2	20.50	19.89	20.26	19.89
			3	20.50	19.90	20.27	19.93
		6	0	19.50	18.95	19.10	19.24
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19965	20175	20385
					1711.5MHz	1732.5MHz	1753.5MHz
3MHz	QPSK	1	0	21.50	20.90	20.95	21.20
			7	21.50	20.91	21.06	21.33
			14	21.50	20.84	20.91	21.06
		8	0	20.50	19.69	19.95	20.24
			4	20.50	19.80	19.98	20.24
			7	20.50	19.78	19.94	20.21
	16QAM	15	0	20.50	19.80	19.95	20.21
			0	20.50	19.83	20.16	20.30
			7	20.50	19.76	20.27	20.40
		8	14	20.50	19.63	20.18	20.26
			0	19.50	18.77	18.99	19.44
			4	19.50	18.89	19.01	19.47
			7	19.50	18.96	19.00	19.41
		15	0	19.50	18.87	18.96	19.32
			0	19.50	18.87	18.96	19.32
			0	19.50	18.87	18.96	19.32
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19976	20175	20375
					1712.5MHz	1732.5MHz	1752.5MHz
5MHz	QPSK	1	0	21.50	20.77	20.85	21.07
			13	21.50	20.88	20.94	21.17
			24	21.00	20.75	20.80	20.78
		12	0	20.00	19.70	19.93	19.94
			6	20.50	19.78	19.99	20.02
			13	20.50	19.45	20.01	19.99
		25	0	20.00	19.42	19.94	19.97
			0	20.50	19.64	20.16	19.44
			13	20.50	19.59	20.28	19.60
	16QAM	1	24	20.50	19.44	20.18	19.48
			0	19.50	18.59	19.10	18.99
			6	19.50	18.68	19.09	19.06
		12	13	19.50	18.71	19.05	19.05
			0	19.50	18.74	18.99	19.09
			0	19.50	18.74	18.99	19.09
		25	0	19.50	18.74	18.99	19.09
			0	19.50	18.74	18.99	19.09
			0	19.50	18.74	18.99	19.09

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	21.50	20.81	20.89	21.06
			25	21.50	21.06	21.10	21.01
			49	21.00	20.84	20.68	20.59
		25	0	20.50	19.76	20.04	19.65
			13	20.50	19.83	20.00	19.68
			25	20.00	19.98	19.99	19.72
		50	0	20.00	19.83	19.99	19.68
			1	20.50	19.78	20.04	20.10
			12	20.50	19.79	20.31	20.36
	16QAM	27	27	20.50	19.78	20.18	20.13
			1	20.00	19.69	19.95	19.66
			12	20.50	19.77	20.01	19.75
		27	27	20.00	19.86	19.96	19.69
			1	19.50	18.85	19.17	18.75
			1	19.50	18.85	19.17	18.75
			1	19.50	18.85	19.17	18.75
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20025	20175	20325
					1717.5MHz	1732.5MHz	1747.5MHz

15MHz	QPSK	1	0	21.00	20.69	20.69	20.88
			38	21.00	20.86	20.93	20.83
			74	21.00	20.78	20.84	20.52
		36	0	20.00	19.70	19.98	19.59
			18	20.00	19.85	19.98	19.73
			39	20.00	19.95	19.96	19.66
		75	0	20.50	19.85	20.02	19.70
	16QAM	1	0	20.50	20.06	19.96	20.04
			38	20.50	20.15	20.15	20.21
			74	20.50	20.14	20.08	20.10
		12	0	20.00	19.67	19.83	19.56
			31	20.00	19.79	19.95	19.71
			63	20.00	19.78	19.92	19.67
		27	0	19.50	18.72	19.01	18.77
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20050	20175	20300
					1720.0MHz	1732.5MHz	1745.0MHz
20MHz	QPSK	1	0	21.00	20.48	20.24	20.70
			50	21.50	20.95	21.12	21.05
			99	21.00	20.63	20.60	20.37
		50	0	20.50	19.55	20.00	19.58
			25	20.00	19.85	19.96	19.61
			50	20.00	19.89	19.85	19.64
		100	0	20.00	19.75	19.97	19.60
	16QAM	1	0	20.50	20.05	19.79	19.59
			50	20.50	20.49	20.26	20.02
			99	20.50	20.21	19.83	19.66
		12	0	20.00	19.60	19.60	19.37
			44	20.00	19.86	19.93	19.66
			88	20.00	19.80	19.71	19.46
		27	0	19.00	18.70	18.86	18.60

Band 5

LTE-FDD Band 5				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20407	20525	20643
1.4MHz	QPSK	1	0	21.50	21.34	21.21	21.27
			2	21.50	21.43	21.33	21.41
			5	21.50	21.36	21.23	21.31
		3	0	21.50	21.38	21.34	21.35
			2	21.50	21.45	21.36	21.35
			3	21.50	21.42	21.31	21.28
		6	0	20.50	20.40	20.30	20.34
	16QAM	1	0	20.50	20.42	20.24	20.21
			2	21.00	20.57	20.31	20.37
			5	20.50	20.45	20.23	20.29
		3	0	20.50	20.38	20.46	20.34
			2	21.00	20.42	20.52	20.38
			3	20.50	20.38	20.48	20.28
		6	0	19.50	19.44	19.36	19.32
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	21.50	21.41	21.29	21.32

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		8	7	22.00	21.57	21.41	21.46
			14	21.50	21.44	21.30	21.31
			0	20.50	20.38	20.32	20.33
			4	20.50	20.44	20.35	20.36
			7	20.50	20.40	20.31	20.31
		15	0	20.50	20.34	20.32	20.32
	16QAM	1	0	21.00	20.38	20.46	20.81
			7	21.00	20.56	20.57	20.95
			14	21.00	20.40	20.42	20.79
		8	0	20.00	19.50	19.36	19.54
			4	20.00	19.56	19.43	19.59
			7	20.00	19.52	19.35	19.52
		15	0	19.50	19.45	19.34	19.47

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	21.50	21.27	21.24	21.18		
			13	21.50	21.43	21.30	21.38		
			24	21.50	21.31	21.26	21.23		
		12	0	20.50	20.30	20.34	20.33		
			6	20.50	20.41	20.37	20.37		
			13	20.50	20.41	20.28	20.27		
		25	0	20.50	20.38	20.34	20.27		
			16QAM	1	0	20.50	20.37	20.45	20.06
					13	21.00	20.55	20.58	20.22
	24	20.50			20.37	20.48	20.09		
	12	0		19.50	19.40	19.37	19.40		
		6		19.50	19.47	19.46	19.40		
		13		19.50	19.42	19.36	19.28		
	25	0	19.50	19.48	19.40	19.37			
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20450	20525	20600	
829.0MHz						836.5MHz	844.0MHz		
10MHz	QPSK	1	0	21.50	21.39	21.30	21.29		
			25	22.00	21.58	21.36	21.36		
			49	21.50	21.33	21.29	21.31		
		25	0	20.50	20.32	20.43	20.26		
			13	20.50	20.38	20.37	20.31		
			25	20.50	20.32	20.33	20.18		
		50	0	20.50	20.32	20.34	20.22		
			16QAM	1	0	21.00	20.34	20.44	20.81
					25	21.00	20.51	20.57	20.90
	49	21.00			20.31	20.46	20.77		
	12	0		20.50	20.32	20.38	20.30		
		19		20.50	20.42	20.36	20.35		
		38		20.50	20.33	20.29	20.28		
	27	23	20.00	19.42	19.53	19.22			

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	21.50	21.00	21.10	20.97
			2	21.50	21.06	21.16	21.06
			5	21.50	21.03	21.05	20.97
		3	0	21.50	21.06	21.17	21.04
			2	21.50	21.08	21.18	21.04
			3	21.50	21.07	21.14	21.03
	16QAM	6	0	20.50	20.14	20.20	20.02
			0	20.50	20.05	20.11	20.01
			2	20.50	20.14	20.21	20.13
		1	5	20.50	20.10	20.13	20.03
			0	20.50	20.22	20.35	20.14
			2	20.50	20.16	20.39	20.13
		3	3	20.50	20.15	20.37	20.09
			0	19.50	19.02	19.17	19.00
		6	0	19.50	19.02	19.17	19.00
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
3MHz	QPSK	1	0	21.50	21.19	21.10	21.03
			7	21.50	21.32	21.27	21.15
			14	21.50	21.13	21.08	20.97
		8	0	20.50	20.23	20.18	20.09
			4	20.50	20.27	20.22	20.12
			7	20.50	20.20	20.19	20.06
	16QAM	15	0	20.50	20.18	20.15	20.09
			0	21.00	20.24	20.31	20.64
			7	21.00	20.37	20.47	20.75
		1	14	21.00	20.18	20.29	20.56
			0	19.50	19.28	19.16	19.23
			4	19.50	19.29	19.17	19.28
		8	7	19.50	19.20	19.15	19.21
			0	19.50	19.23	19.14	19.12
		15	0	19.50	19.23	19.14	19.12
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	21.50	21.05	20.99	20.90
			13	21.50	21.21	21.15	21.05
			24	21.50	21.03	21.04	20.89
		12	0	20.50	20.22	20.16	20.06
			6	20.50	20.19	20.18	20.14
			13	20.50	20.16	20.21	20.00
	16QAM	25	0	20.50	20.16	20.19	20.05
			0	20.50	20.18	20.32	19.81
			13	20.50	20.27	20.47	19.98
		1	24	20.50	20.21	20.35	19.83
			0	19.50	19.18	19.15	18.99
			6	19.50	19.17	19.20	19.10
		12	13	19.50	19.15	19.20	19.01
			0	19.50	19.19	19.16	19.07
		25	0	19.50	19.19	19.16	19.07
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23060	23095	23130
					704.0MHz	707.5MHz	711.0MHz
10MHz	QPSK	1	0	21.50	21.06	20.99	20.99
			25	21.50	21.30	21.25	21.17
			49	21.50	21.09	21.00	20.95
		25	0	20.50	20.15	20.13	20.17
			13	20.50	20.20	20.19	20.13
			25	20.50	20.18	20.15	20.06
	16QAM	50	0	20.50	20.19	20.15	20.13
			0	20.50	20.09	20.20	20.22
			25	20.50	20.32	20.44	20.37
		1	49	20.50	20.13	20.21	20.14
			0	20.50	20.13	20.21	20.14
			25	20.50	20.13	20.21	20.14

		12	0	20.50	20.19	20.10	20.07
			19	20.50	20.24	20.15	20.13
			38	20.50	20.15	20.05	20.02
		27	0	19.50	19.18	19.20	19.06

Band 13

LTE-FDD Band 13				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23205 779.5MHz	23230 782.0MHz	23255 784.5MHz
5MHz	QPSK	1	0	21.50	21.16	21.18	21.19
			13	21.50	21.31	21.38	21.34
			24	21.50	21.22	21.23	21.19
		12	0	20.50	20.29	20.38	20.36
			6	20.50	20.37	20.44	20.41
			13	20.50	20.27	20.37	20.36
		25	0	20.50	20.27	20.37	20.41
	16QAM	1	0	21.00	20.03	20.33	20.53
			13	21.00	20.24	20.54	20.68
			24	21.00	20.13	20.37	20.52
		12	0	19.50	19.30	19.37	19.42
			6	19.50	19.35	19.41	19.44
			13	19.50	19.29	19.35	19.44
		25	0	19.50	19.32	19.40	19.40
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23230 782.0MHz		
10MHz	QPSK	1	0	21.50	21.24	21.46	21.29
			25	21.50	20.45	20.42	20.47
			49	21.50	20.48	20.45	20.45
		25	0	20.50	20.45	20.42	20.42
			13	20.50	20.45	20.42	20.42
			25	20.50	20.45	20.42	20.42
		50	0	20.50	20.45	20.42	20.42
	16QAM	1	0	20.50	20.45	20.42	20.42
			25	21.00	20.45	20.42	20.42
			49	20.50	20.45	20.42	20.42
		12	0	20.50	20.45	20.42	20.42
			19	20.50	20.45	20.42	20.42
			38	20.50	20.45	20.42	20.42
		27	0	20.00	19.52	19.52	19.52

Band 17

LTE-FDD Band 17				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755 706.5MHz	23790 710MHz	23825 713.5MHz
5MHz	QPSK	1	0	21.00	20.98	20.99	20.86
			13	21.50	21.10	21.03	20.98
			24	21.50	21.03	20.93	20.88
		12	0	20.50	20.10	20.09	20.05
			6	20.50	20.16	20.12	20.04
			6	20.50	20.16	20.12	20.04

	16QAM	25	13	20.50	20.18	20.03	19.97
			0	20.50	20.13	20.06	20.00
		1	0	20.50	19.88	20.12	20.20
			13	20.50	20.03	20.18	20.31
			24	20.50	19.93	20.09	20.16
		12	0	19.50	19.12	19.02	19.04
			6	19.50	19.18	19.08	19.08
			13	19.50	19.18	19.00	18.97
		25	0	19.50	19.13	19.10	18.98
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23780	23790	23800
					709MHz	710MHz	711MHz
10MHz	QPSK	1	0	21.50	20.99	21.01	20.98
			25	21.50	21.25	21.11	21.10
			49	21.00	20.96	20.94	20.92
		25	0	20.50	20.13	20.12	20.08
			13	20.50	20.11	20.09	20.08
			25	20.50	20.10	20.04	20.01
		50	0	20.50	20.13	20.09	20.03
	16QAM	1	0	21.00	20.05	20.21	20.58
			25	21.00	20.27	20.32	20.67
			49	21.00	20.00	20.17	20.50
		12	0	20.50	20.15	20.14	20.13
			19	20.50	20.12	20.09	20.08
			38	20.50	20.07	19.99	20.04
		27	23	19.50	19.19	19.18	18.98

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	22.50	22.26	22.12	21.92		
			2	22.50	22.43	22.24	21.88		
			5	22.50	22.27	22.11	21.48		
		3	0	22.50	22.31	22.20	21.53		
			2	22.50	22.33	22.21	21.47		
			3	22.50	22.31	22.14	21.43		
		6	0	21.50	21.30	21.19	20.92		
			16QAM	1	0	21.50	21.23	21.27	20.59
					2	21.50	21.35	21.38	20.62
	5	21.50			21.28	21.25	20.53		
	3	0		21.50	21.35	21.11	20.83		
		2		21.50	21.32	21.15	20.74		
		3		21.50	21.32	21.12	20.73		
	6	0		20.50	20.21	20.16	19.89		
	Bandwidth	Modulation		RB allocation	RB offset	Maximum Tune-up(dBm)	26055	26365	26675
							1851.5MHz	1882.5MHz	1913.5MHz
	3MHz	QPSK	1	0	22.50	22.36	22.21	22.00	
				7	22.50	22.48	22.30	21.89	
14				22.50	22.35	22.15	21.43		
8			0	21.50	21.30	21.17	20.93		
			4	21.50	21.33	21.18	20.96		
			7	21.50	21.30	21.19	20.92		
15			0	21.50	21.28	21.16	20.90		
16QAM			1	0	21.50	21.31	21.34	21.19	
				7	21.50	21.46	21.44	21.29	
		14		21.50	21.29	21.32	20.94		
		8	0	20.50	20.33	20.14	20.07		
			4	20.50	20.39	20.18	20.08		

			7	20.50	20.36	20.12	20.05
		15	0	20.50	20.32	20.10	19.94
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26065	26365	26665
					1852.5MHz	1882.5MHz	1912.5MHz
5MHz	QPSK	1	0	22.50	22.29	22.13	21.92
			13	22.50	22.41	22.23	21.84
			24	22.50	22.26	22.07	21.47
		12	0	21.50	21.26	21.19	21.03
			6	21.50	21.38	21.25	21.00
			13	21.50	21.35	21.17	20.91
		25	0	21.50	21.30	21.16	20.95
			0	21.50	21.35	21.37	20.62
			13	21.50	21.45	21.46	20.67
	16QAM	1	24	21.50	21.34	21.30	20.39
			0	20.50	20.27	20.18	20.00
			6	20.50	20.34	20.24	19.95
		12	13	20.50	20.31	20.20	19.86
			0	20.50	20.33	20.16	19.96
			0	20.50	20.33	20.16	19.96

LTE-FDD Band 25				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26090	26365	26640
					1855.0MHz	1882.5MHz	1910.0MHz
10MHz	QPSK	1	0	22.50	22.35	22.25	22.00
			25	23.00	22.57	22.35	22.08
			49	22.50	22.35	22.14	21.45
		25	0	21.50	21.30	21.16	21.01
			13	21.50	21.36	21.24	21.00
			25	21.50	21.31	21.24	20.86
		50	0	21.50	21.32	21.19	20.96
			0	21.50	21.32	20.97	21.26
			25	22.00	21.49	21.53	21.47
	16QAM	1	49	21.50	21.32	21.29	20.97
			0	21.50	21.32	21.08	20.99
			19	21.50	21.38	21.22	21.01
		12	38	21.50	21.31	21.12	20.50
			0	20.50	20.36	20.25	19.85
			0	20.50	20.36	20.25	19.85

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26115	26365	26615
					1857.5MHz	1882.5MHz	1907.5MHz
15MHz	QPSK	1	0	22.50	22.22	22.18	21.65
			38	22.50	22.36	22.22	22.02
			74	22.50	22.25	22.09	21.37
		36	0	21.50	21.34	21.22	20.82
			18	21.50	21.38	21.28	20.94
			39	21.50	21.31	21.24	20.96
		75	0	21.50	21.37	21.22	20.94
			0	22.00	21.54	20.82	21.16
			38	22.00	21.64	21.37	21.46
	16QAM	1	74	22.00	21.59	21.22	20.88
			0	21.50	21.16	20.89	20.73
			31	21.50	21.24	21.19	20.98
		12	63	21.50	21.20	21.05	20.42
			0	20.50	20.26	20.24	19.85
			48	20.50	20.26	20.24	19.85

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26140	26365	26590
					1860.0MHz	1882.5MHz	1905.0MHz
20MHz	QPSK	1	0	22.50	22.04	21.93	21.40

		50	50	22.50	22.47	22.37	21.85
			99	22.50	22.00	21.38	21.21
			0	21.50	21.31	21.08	20.68
			25	21.50	21.31	21.03	20.71
			50	21.50	21.19	21.07	20.75
	16QAM	100	0	21.50	21.27	20.98	20.88
			0	22.00	21.53	20.70	20.60
			50	22.00	21.92	21.34	21.19
		1	99	21.50	21.18	20.56	20.42
			0	21.00	20.93	20.58	20.38
			44	21.50	21.32	21.01	20.94
			88	21.00	20.64	20.60	20.25
		27	73	20.50	20.27	20.08	19.70

Band 26 Part90

LTE-FDD Band 26 Part90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26697	26740	26783
1.4MHz	QPSK	1	0	23.00	22.77	22.29	22.74
			2	23.00	22.85	22.38	22.82
			5	23.00	22.61	22.27	22.31
		3	0	22.50	22.34	22.33	22.35
			2	22.50	22.36	22.35	22.38
			3	22.50	22.34	22.35	22.34
	16QAM	6	0	21.50	21.34	21.32	21.33
			0	21.50	21.25	21.25	21.43
			2	22.00	21.33	21.35	21.52
		1	5	21.50	21.26	21.28	21.39
			0	21.50	21.49	21.34	21.28
			2	22.00	21.52	21.35	21.32
		3	3	21.50	21.48	21.34	21.32
			0	20.50	20.31	20.23	20.34

LTE-FDD Band 26 Part90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB	RB		26715	26740	26765

		allocation	offset		816.5MHz	819.0MHz	821.5MHz
5MHz	QPSK	1	0	22.50	22.41	22.19	22.21
			13	22.50	22.33	22.34	22.37
			24	22.50	22.25	22.23	22.27
		12	0	21.50	21.17	21.29	21.32
			6	21.50	21.30	21.31	21.32
			13	21.50	21.23	21.22	21.24
		25	0	21.50	21.25	21.26	21.32
	16QAM	1	0	21.50	21.33	21.40	21.08
			13	22.00	21.39	21.55	21.18
			24	21.50	21.31	21.48	21.12
		12	0	20.50	20.09	20.26	20.26
			6	20.50	20.25	20.35	20.30
			13	20.50	20.27	20.21	20.24
		25	0	20.50	20.24	20.26	20.34

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26740
10MHz	QPSK	1	0	23.00	22.78
			25	23.00	22.98
			49	23.00	22.76
		25	0	22.00	21.72
			13	22.00	21.81
			25	22.00	21.77
		50	0	22.00	21.75
	16QAM	1	0	22.00	21.81
			25	22.00	21.73
			49	22.00	21.60
		12	0	21.50	21.16
			19	21.50	21.33
			38	21.50	21.33
		27	0	20.50	20.34

Band 26 Part22

LTE-FDD Band 26 Part22				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26797	26915	27033
1.4MHz	QPSK	1	0	23.00	22.81	16.45	17.37
			2	23.00	22.93	16.56	17.58
			5	23.00	22.80	16.51	17.52
		3	0	23.00	22.86	16.55	17.38
			2	23.00	22.88	16.58	17.47
			3	23.00	22.85	16.59	17.43
		6	0	22.00	21.77	15.60	16.53
	16QAM	1	0	22.00	21.54	15.49	16.28
			2	22.00	21.54	15.54	16.48
			5	21.50	21.42	15.48	16.50
		3	0	21.50	21.48	15.70	16.42
			2	21.50	21.42	15.74	16.45
			3	21.50	21.41	15.72	16.43
		6	0	20.50	20.28	14.57	15.38
Bandwidth	Modulation	RB	RB offset	Maximum Tune-up(dBm)	26805	26915	27025

		allocation			825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	17.00	16.98	16.51	16.89
			7	17.50	16.96	16.66	17.02
			14	17.50	16.75	16.61	17.05
		8	0	16.00	15.90	15.56	15.82
			4	16.00	15.86	15.61	15.94
			7	16.00	15.75	15.61	15.98
		15	0	16.00	15.81	15.54	15.86
	16QAM	1	0	16.50	15.92	15.56	16.25
			7	16.50	15.96	15.62	16.44
			14	16.50	15.73	15.49	16.42
		8	0	15.00	14.92	14.44	14.96
			4	15.50	14.90	14.52	15.06
			7	15.50	14.82	14.53	15.08
		15	0	15.00	14.84	14.51	14.90
LTE-FDD Band 26 Part22				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26815	26915	27015
					826.5MHz	836.5MHz	846.5MHz
5MHz	QPSK	1	0	17.00	16.86	15.97	16.51
			13	17.00	16.27	16.12	16.84
			24	17.00	16.09	16.14	16.97
		12	0	16.00	15.41	14.99	15.64
			6	16.00	15.31	15.15	15.80
			13	16.00	15.18	15.14	15.91
		25	0	16.00	15.28	15.09	15.79
	16QAM	1	0	15.50	15.41	15.20	15.36
			13	16.00	15.35	15.34	15.68
			24	16.00	15.21	15.29	15.76
		12	0	15.00	14.28	13.99	14.65
			6	15.00	14.27	14.13	14.78
			13	15.00	14.15	14.14	14.85
		25	0	15.00	14.30	14.06	14.85
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26840	26915	26990
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	16.50	16.43	16.03	16.23
			25	17.00	16.34	16.25	16.68
			49	17.50	16.05	16.31	17.02
		25	0	16.00	15.47	14.97	15.61
			13	16.00	15.21	15.17	15.65
			25	16.00	15.19	15.20	15.89
		50	0	16.00	15.31	15.10	15.77
	16QAM	1	0	16.00	15.34	15.19	15.70
			25	16.50	15.32	15.38	16.23
			49	16.50	15.04	15.45	16.43
		12	0	15.50	15.38	15.00	15.40
			19	16.00	15.24	15.16	15.66
			38	16.00	15.11	15.27	15.92
		27	0	15.00	14.50	14.05	14.86
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26865	26915	26965
					831.5MHz	836.5MHz	841.5MHz
15MHz	QPSK	1	0	16.50	16.31	15.96	15.91
			38	16.50	16.07	16.11	16.37
			74	17.00	16.17	16.43	16.93
		36	0	15.50	15.38	15.05	15.24
			18	15.50	15.18	15.15	15.47
			39	16.00	15.24	15.25	15.77
		75	0	16.00	15.32	15.16	15.51

	16QAM	1	0	16.00	15.59	15.12	15.47
			38	16.00	15.48	15.24	15.87
			74	16.50	15.41	15.58	16.34
		12	0	15.50	15.25	15.02	14.97
			31	15.50	15.05	15.11	15.42
			63	16.00	15.06	15.33	15.86
		27	48	20.50	14.40	14.06	20.27

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	21.11	16.53	17.84	
			12	21.50	21.21	17.05	18.18	
			24	18.50	18.05	16.56	18.11	
		12	0	18.50	18.31	16.97	18.15	
			6	18.50	18.39	17.04	18.29	
			13	18.50	18.27	16.75	18.16	
		25	0	18.50	18.13	16.78	18.06	
		16QAM	1	0	18.50	18.16	16.99	18.08
				12	18.50	18.18	17.09	18.21
	24			18.50	18.05	17.02	18.16	
	12		0	18.50	18.32	16.93	17.92	
			6	18.50	18.28	16.99	18.01	
			13	18.50	18.28	16.90	18.20	
	25	0	18.50	18.12	16.81	18.05		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37800	38000	38200
2575.00MHz						2595.00MHz	2615.00MHz	
10MHz	QPSK	1	0	18.50	18.49	17.02	17.81	
			24	18.50	18.36	17.23	18.35	
			49	18.50	17.95	16.95	18.11	
		25	0	18.50	18.36	17.16	18.13	
			12	18.50	18.17	17.02	18.11	
			25	18.50	18.05	16.99	18.08	
		50	0	18.50	18.12	17.05	18.03	
		16QAM	1	0	18.50	18.26	16.93	17.76
				25	18.50	18.06	16.92	18.31
	49			18.50	17.92	16.84	18.26	
	12		0	18.50	18.42	16.94	18.03	
			19	18.50	18.21	16.95	18.23	
			38	18.50	17.97	16.98	18.17	
	27	0	18.50	18.44	16.88	18.05		

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	18.50	18.25	16.92	17.48
			38	18.50	18.06	16.88	18.10
			74	18.50	17.42	17.20	18.16
		36	0	18.50	18.23	16.97	17.89
			18	18.50	18.27	17.04	18.10
			39	18.50	17.84	16.93	18.09

	16QAM	75	0	18.50	18.19	16.93	18.06
		1	0	18.50	18.42	16.98	17.43
			38	18.50	18.31	16.76	18.03
			74	18.50	17.68	16.98	18.15
		12	0	18.50	18.19	17.18	17.49
			31	18.50	18.30	17.00	17.91
			63	18.00	17.72	16.92	17.99
		27	0	18.50	18.34	17.11	18.20

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37850	38000	38150
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	QPSK	1	0	18.00	17.95	17.13	16.94
			50	18.50	18.23	16.99	18.14
			99	18.00	16.82	17.04	17.88
		50	0	18.50	18.27	17.04	17.54
			25	18.00	17.88	17.04	17.75
			50	18.50	17.67	16.97	18.06
		100	0	18.00	17.99	16.99	17.79
	16QAM	1	0	18.50	18.25	17.29	16.82
			49	18.50	18.20	17.23	18.02
			99	18.50	17.02	16.76	18.27
		50	0	18.50	18.02	17.11	16.86
			25	18.00	17.99	17.07	17.68
			50	18.00	17.07	17.17	17.83
		100	0	18.50	18.10	17.17	17.96

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	21.50	21.04	20.69	21.18
			13	21.50	21.15	20.75	21.28
			24	21.50	20.97	20.56	21.20
		12	0	20.50	20.30	19.91	20.04
			6	20.50	20.37	19.82	20.08
			13	20.50	20.11	19.89	20.15
		25	0	20.50	20.14	19.91	20.11
	16QAM	1	0	20.50	20.05	19.60	19.97
			13	20.50	20.17	19.70	20.13
			24	20.50	20.15	19.78	20.04
		12	0	19.50	19.08	18.90	18.98
			6	19.50	19.20	18.67	19.17
			13	19.50	19.25	18.88	18.99
25	0	19.50	19.14	18.74	19.04		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39700	40620	41540
					2501.0MHz	2593.0MHz	2685.0MHz
10MHz	QPSK	1	0	21.50	21.08	20.76	21.08
			25	22.00	21.54	21.02	21.60
			49	21.50	21.27	20.72	21.16
		25	0	20.50	20.20	19.73	20.06
			13	20.50	20.15	19.93	20.05
			25	20.50	20.13	19.92	20.20
		50	0	20.50	20.33	19.72	20.05

	16QAM	1	0	20.50	20.05	19.57	19.95
			25	21.00	20.67	19.83	20.27
			49	20.50	20.43	19.56	20.07
		12	0	20.50	20.32	19.82	19.83
			19	20.50	20.36	19.88	20.11
			38	20.50	20.29	19.80	19.93
		27	23	19.50	19.38	18.93	19.22

LTE-TDD Band 41				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		39725 2503.5MHz	40620 2593.0MHz	41515 2682.5MHz
15MHz	QPSK	1	0	21.50	21.10	20.68	21.05
			38	21.50	21.22	21.02	21.33
			74	21.50	21.05	20.65	21.24
		36	0	20.50	20.33	19.95	20.16
			18	20.50	20.15	19.98	20.20
			39	20.50	20.15	19.96	20.19
		75	0	20.50	20.34	19.98	20.17
	16QAM	1	0	20.50	20.32	19.53	19.89
			38	20.50	20.45	19.77	20.07
			74	20.50	19.88	19.48	20.06
		12	0	20.50	20.06	19.79	19.93
			31	20.50	20.29	19.91	20.07
			63	20.50	20.25	19.75	20.10
		27	48	19.50	19.25	18.89	19.22
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39750 2506.0MHz	40620 2593.0MHz	41490 2680.0MHz
20MHz	QPSK	1	0	21.00	20.77	20.71	20.73
			50	21.50	21.14	20.93	21.41
			99	21.00	20.73	20.39	20.99
		50	0	20.50	20.09	19.69	20.05
			25	20.50	20.09	19.90	19.98
			50	20.50	20.05	19.74	20.12
		100	0	20.50	20.24	19.71	20.08
	16QAM	1	0	20.50	20.03	19.49	19.94
			50	20.50	20.34	19.82	20.22
			99	20.50	19.36	19.42	20.13
		12	0	20.00	19.87	19.54	19.70
			44	20.50	20.25	19.74	20.01
			88	20.00	19.96	19.64	19.77
		27	73	19.50	18.99	18.63	19.13

Band 66

LTE-FDD Band 66				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		131979 1710.7MHz	132322 1745.0MHz	132665 1779.3MHz
1.4MHz	QPSK	1	0	21.50	21.10	21.34	21.43
			2	22.00	21.33	21.58	21.46
			5	21.50	21.14	21.34	21.03
		3	0	21.50	21.19	21.33	21.17
			2	21.50	21.17	21.22	21.13
			3	21.50	21.25	21.07	21.20
		6	0	20.50	20.12	18.06	20.17
	16QAM	1	0	20.50	20.44	20.23	20.04
			2	21.00	20.64	20.48	20.22

		3	5	20.50	20.40	20.25	20.02
			0	20.50	20.20	20.30	20.21
			2	20.50	20.15	20.23	20.15
			3	20.50	20.21	20.29	20.23
		6	0	20.00	19.17	19.47	19.51

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131987	132322	132657
					1711.5MHz	1745.0MHz	1778.5MHz
3MHz	QPSK	1	0	19.50	18.78	19.24	19.08
			7	19.50	18.68	19.20	18.97
			14	19.50	18.81	19.16	19.06
		8	0	18.50	17.77	17.75	18.08
			4	18.50	17.73	17.86	18.09
			7	18.50	17.73	17.72	18.05
		15	0	18.50	17.70	17.69	18.07
			7	18.50	18.04	17.62	17.99
			14	18.50	18.19	17.74	18.12
	16QAM	1	0	17.50	16.86	16.78	17.17
			4	17.50	16.89	16.83	17.19
			7	17.50	16.86	16.75	17.10
		8	0	17.50	16.83	16.80	17.08
			7	17.50	16.83	16.80	17.08
			15	17.50	16.83	16.80	17.08
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	20.93	21.17	21.37
			13	22.00	21.02	21.30	21.55
			24	21.50	20.90	21.21	21.43
		12	0	21.00	19.99	20.27	20.56
			6	21.00	20.09	20.32	20.59
			13	21.00	20.06	20.29	20.50
		25	0	21.00	20.04	20.29	20.56
			13	21.00	20.50	20.47	20.54
			24	20.50	20.35	20.35	20.41
	16QAM	1	0	20.00	18.98	19.28	19.66
			6	20.00	19.11	19.38	19.67
			13	20.00	19.12	19.34	19.60
		12	0	20.00	19.08	19.32	19.70
			6	20.00	19.11	19.38	19.67
			13	20.00	19.12	19.34	19.60
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	132022	132322	132622
					1715.0MHz	1745.0MHz	1775.0MHz
10MHz	QPSK	1	0	19.50	18.74	19.09	19.34
			25	20.00	18.88	19.27	19.51
			49	19.50	18.83	19.17	19.49
		25	0	19.00	17.62	18.27	18.57
			13	18.50	17.81	18.23	18.44
			25	18.50	17.94	18.25	18.37
		50	0	18.50	17.80	18.23	18.46
			25	18.50	17.80	18.23	18.46
			49	18.50	17.80	18.23	18.46
	16QAM	1	0	19.00	17.69	18.16	18.66
			25	19.00	17.73	18.28	18.83
			49	19.00	17.75	18.12	18.85
		12	0	18.50	17.65	17.87	18.41
			19	18.50	17.74	17.96	18.42
			38	18.50	17.84	17.76	18.42
		27	23	17.50	16.68	16.93	17.45

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	19.50	18.55	18.96	19.26		
			38	19.50	18.75	19.23	19.28		
			74	19.50	18.76	19.10	19.07		
		36	0	18.50	17.60	18.16	18.42		
			18	18.50	17.77	18.19	18.42		
			39	18.50	17.85	18.28	18.34		
		75	0	18.50	17.77	18.12	18.43		
			16QAM	1	0	18.50	17.65	17.72	18.14
					38	18.50	17.81	17.97	18.34
	74	18.50			17.82	17.59	18.23		
	12	0		18.50	17.60	17.57	18.23		
		31		18.50	17.70	17.75	18.41		
		63		18.50	17.74	17.70	18.23		
	27	48		17.50	16.64	16.70	17.25		
	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	20.69	20.82	21.08		
			50	22.00	21.07	21.37	21.52		
			99	21.50	20.86	21.06	21.27		
		50	0	20.50	19.84	20.29	20.37		
			25	20.50	20.06	20.29	20.48		
			50	20.50	20.13	20.35	20.34		
		100	0	20.50	19.94	20.29	20.30		
		16QAM	1	0	20.50	20.19	19.95	19.95	
				50	21.00	20.51	20.42	20.35	
	99			20.50	20.28	20.06	20.17		
	12		0	20.50	19.81	19.92	20.23		
			44	20.50	20.04	20.23	20.48		
			88	20.50	19.94	20.11	20.39		
	27		73	19.50	18.92	19.16	19.36		

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	21.50	21.31	21.26	21.15		
			13	21.50	21.39	21.40	21.23		
			24	21.50	21.29	21.27	21.06		
		12	0	20.50	20.21	20.36	20.19		
			6	20.50	20.43	20.42	20.32		
			13	20.50	20.31	20.32	20.29		
		25	0	20.50	20.27	20.33	20.27		
			16QAM	1	0	21.00	20.41	20.24	20.53
					13	21.00	20.51	20.33	20.67
	24	21.00			20.38	20.23	20.52		
	12	0		19.50	19.20	19.32	19.20		
		6		19.50	19.40	19.41	19.28		
		13	19.50	19.30	19.33	19.28			
	25	0	19.50	19.23	19.41	19.23			

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133172	133297	133422		
					668.0MHz	680.5MHz	693.0MHz		
10MHz	QPSK	1	0	21.50	21.45	21.41	21.27		
			25	22.00	21.59	21.54	21.41		
			49	22.00	21.50	21.39	21.15		
		25	0	20.50	20.37	20.35	20.39		
			13	20.50	20.43	20.37	20.35		
			25	20.50	20.37	20.32	20.47		
	50	0	20.50	20.28	20.27	20.42			
	16QAM	1	0	21.00	20.75	20.29	20.27		
			25	21.00	20.84	20.41	20.40		
			49	21.00	20.74	20.33	20.27		
		12	0	20.50	20.25	20.27	20.25		
			19	20.50	20.41	20.39	20.27		
			38	20.50	20.42	20.32	20.25		
		27	0	19.50	19.41	19.35	19.44		
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133197	133297	133397
							670.5MHz	680.5MHz	690.5MHz
15MHz	QPSK	1	0	21.50	21.30	21.27	21.18		
			38	21.50	21.43	21.46	21.28		
			74	21.50	21.33	21.37	21.10		
		36	0	20.50	20.45	20.27	20.47		
			18	20.50	20.45	20.39	20.39		
			39	21.00	20.53	20.31	20.43		
	75	0	20.50	20.46	20.30	20.48			
	16QAM	1	0	20.50	20.23	20.20	20.19		
			38	20.50	20.37	20.36	20.35		
			74	20.50	20.28	20.24	20.21		
		12	0	20.50	20.22	20.23	20.23		
			31	20.50	20.44	20.38	20.31		
			63	20.50	20.29	20.28	20.25		
		27	0	19.50	19.28	19.29	19.37		
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133222	133322	133372
							673.0MHz	683.0MHz	688.0MHz
20MHz	QPSK	1	0	21.50	21.09	21.06	21.08		
			50	21.50	21.45	21.47	21.46		
			99	21.50	21.13	21.06	20.98		
		50	0	21.00	20.48	20.28	20.57		
			25	20.50	20.39	20.33	20.39		
			50	21.00	20.56	20.20	20.43		
	100	0	20.50	20.41	20.19	20.49			
	16QAM	1	0	20.50	20.46	20.09	19.92		
			50	21.00	20.83	20.47	20.31		
			99	21.00	20.53	20.09	19.92		
		12	0	20.50	20.12	20.05	20.14		
			44	20.50	20.34	20.34	20.44		
			88	20.50	20.18	20.05	20.22		
		27	0	19.50	19.28	19.10	19.31		

8.4 Wi-Fi

2.4G

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	14.94	15.00	No
		6	2437	15.29	15.50	Yes
		11	2462	14.88	15.00	No
	802.11g	1	2412	14.24	14.50	No
		6	2437	14.72	15.00	No
		11	2462	14.12	14.50	No
	802.11n(HT20)	1	2412	14.26	14.50	No
		6	2437	14.79	15.00	No
		11	2462	14.19	14.50	No
	802.11n(HT40)	3	2422	14.96	15.00	No
		6	2437	14.77	15.00	No
		9	2452	14.44	14.50	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 $\leq 1.2W/kg$.

5G

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	12.23	12.50	No
		40	5200	11.88	12.00	No
		48	5240	11.99	12.00	No
	802.11n(HT20)	36	5180	12.10	12.50	No
		40	5200	11.83	12.00	No
		48	5240	12.07	12.50	No
	802.11ac(VHT20)	36	5180	11.71	12.00	No
		40	5200	11.52	12.00	No
		48	5240	11.40	11.50	No
	802.11n(HT40)	38	5190	11.59	12.00	No
		46	5230	11.32	11.50	No
	802.11ac(VHT40)	38	5190	12.22	12.50	No
		46	5230	11.70	12.00	No
	802.11ac(VHT80)	42	5210	12.43	12.50	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	12.01	12.50	Yes
		60	5300	11.32	11.50	No
		64	5320	11.68	12.00	No
	802.11n(HT20)	52	5260	11.78	12.00	No
		60	5300	11.25	11.50	No
		64	5320	11.40	11.50	No
	802.11ac(VHT20)	52	5260	11.58	12.00	No
		60	5300	10.98	11.00	No
		64	5320	11.17	11.50	No
	802.11n(HT40)	54	5270	11.47	11.50	No
		62	5310	10.93	11.00	No
	802.11ac(VHT40)	54	5270	11.83	12.00	No
		62	5310	11.28	11.50	No
	802.11ac(VHT80)	58	5290	11.90	12.00	No
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	11.05	11.50	Yes
		116	5580	10.04	10.50	No
		140	5700	10.09	10.50	No
	802.11n(HT20)	100	5500	10.14	10.50	No

	802.11ac(VHT20)	116	5580	9.82	10.00	No
		140	5700	10.04	10.50	No
		100	5500	10.07	10.50	No
		116	5580	9.99	10.00	No
		140	5700	9.96	10.00	No
		102	5510	10.25	10.50	No
	802.11n(HT40)	110	5550	10.22	10.50	No
		134	5670	10.39	10.50	No
		102	5510	10.27	10.50	No
	802.11ac(VHT40)	110	5550	10.05	10.50	No
		134	5670	10.28	10.50	No
		106	5530	10.45	10.50	No
	802.11ac(VHT80)	122	5610	10.20	10.50	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	10.76	11.00	No
		157	5785	10.81	11.00	No
		165	5825	11.11	11.50	No
	802.11n(HT20)	149	5745	10.64	11.00	No
		157	5785	10.57	11.00	No
		165	5825	10.96	11.00	No
	802.11ac(VHT20)	149	5745	10.40	10.50	No
		157	5785	10.37	10.50	No
		165	5825	10.78	11.00	No
	802.11n(HT40)	151	5755	10.13	10.50	No
		159	5795	10.63	11.00	No
	802.11ac(VHT40)	151	5755	10.39	10.50	No
		159	5795	10.90	11.00	No
	802.11ac(VHT80)	155	5775	11.33	11.50	Yes

8.5 Bluetooth

EDR	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power(dBm)		
			0	39	78
			2402MHz	2441MHz	2480MHz
	GFSK	5.00	2.83	4.61	3.94
	π/4QPSK	4.50	2.29	4.15	3.50
	8DPSK	4.50	2.21	4.07	3.42
BLE	Mode	Maximum Tune-up(dBm)	Average Conducted Output Power(dBm)		
			0	20	39
			2402MHz	2440MHz	2480MHz
	1Mbps	-2.00	-3.89	-2.04	-2.56

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:

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

where

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

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

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ 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/CDMA/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	28	31	160	<25
BT/Wifi	<25	<25	60	<25	<25	160
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	No	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

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	251	848.8	1.010	0.041	100.00	1.000	32.81	33.00	1.045	0.043	/
	Left Tilt	251	848.8	1.230	0.019	100.00	1.000	32.81	33.00	1.045	0.020	/

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	Right Cheek	251	848.8	-0.660	0.049	100.00	1.000	32.81	33.00	1.045	0.051	1#
	Right Tilt	251	848.8	1.740	0.023	100.00	1.000	32.81	33.00	1.045	0.024	/
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	251	848.8	2.550	0.031	100.00	1.000	32.81	33.00	1.045	0.032	/
	Back	251	848.8	-0.490	0.038	100.00	1.000	32.81	33.00	1.045	0.040	/
	Bottom	251	848.8	-1.160	0.022	100.00	1.000	32.81	33.00	1.045	0.023	/
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+2slots	Front	251	848.8	-2.270	0.033	100.00	1.000	31.47	31.50	1.007	0.033	/
	Back	251	848.8	-0.270	0.040	100.00	1.000	31.47	31.50	1.007	0.040	2#
	Bottom	251	848.8	-3.940	0.026	100.00	1.000	31.47	31.50	1.007	0.026	/

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	0.430	0.201	100.00	1.000	29.22	29.50	1.067	0.214	/
	Left Tilt	512	1850.2	3.070	0.094	100.00	1.000	29.22	29.50	1.067	0.100	/
	Right Cheek	512	1850.2	-3.470	0.213	100.00	1.000	29.22	29.50	1.067	0.227	3#
	Right Tilt	512	1850.2	-4.660	0.102	100.00	1.000	29.22	29.50	1.067	0.109	/
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	-4.100	0.038	100.00	1.000	29.22	29.50	1.067	0.041	/
	Back	512	1850.2	0.110	0.041	100.00	1.000	29.22	29.50	1.067	0.044	/
	Bottom	512	1850.2	1.230	0.026	100.00	1.000	29.22	29.50	1.067	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.
GPRS 1900+2slots	Front	512	1850.2	-4.040	0.031	100.00	1.000	28.37	28.50	1.030	0.032	/
	Back	512	1850.2	-2.490	0.044	100.00	1.000	28.37	28.50	1.030	0.045	4#
	Bottom	512	1850.2	1.660	0.024	100.00	1.000	28.37	28.50	1.030	0.025	/

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	9262	1852.4	-3.570	0.496	100.00	1.000	20.94	21.00	1.014	0.503	/
	Left Tilt	9262	1852.4	1.990	0.211	100.00	1.000	20.94	21.00	1.014	0.214	/
	Right Cheek	9262	1852.4	-2.880	0.523	100.00	1.000	20.94	21.00	1.014	0.530	5#
	Right Tilt	9262	1852.4	2.220	0.249	100.00	1.000	20.94	21.00	1.014	0.252	/
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	9262	1852.4	3.840	0.200	100.00	1.000	20.94	21.00	1.014	0.203	/
	Back	9262	1852.4	-2.970	0.203	100.00	1.000	20.94	21.00	1.014	0.206	6#
	Bottom	9262	1852.4	-1.170	0.155	100.00	1.000	20.94	21.00	1.014	0.157	/

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	1513	1752.6	-0.110	0.495	100.00	1.000	21.26	21.50	1.057	0.523	/
	Left Tilt	1513	1752.6	0.560	0.233	100.00	1.000	21.26	21.50	1.057	0.246	/
	Right Cheek	1513	1752.6	-2.030	0.540	100.00	1.000	21.26	21.50	1.057	0.571	7#
	Right Tilt	1513	1752.6	-2.430	0.279	100.00	1.000	21.26	21.50	1.057	0.295	/
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	1513	1752.6	-1.730	0.164	100.00	1.000	21.26	21.50	1.057	0.173	/
	Back	1513	1752.6	-3.330	0.179	100.00	1.000	21.26	21.50	1.057	0.189	8#
	Bottom	1513	1752.6	-1.430	0.146	100.00	1.000	21.26	21.50	1.057	0.154	/

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	4183	836.6	-3.760	0.129	100.00	1.000	21.21	21.50	1.069	0.138	/
	Left Tilt	4183	836.6	-0.930	0.052	100.00	1.000	21.21	21.50	1.069	0.056	/
	Right Cheek	4183	836.6	-2.390	0.138	100.00	1.000	21.21	21.50	1.069	0.148	9#
	Right Tilt	4183	836.6	-1.170	0.095	100.00	1.000	21.21	21.50	1.069	0.102	/
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	4183	836.6	-1.240	0.102	100.00	1.000	21.21	21.50	1.069	0.109	/
	Back	4183	836.6	-0.940	0.161	100.00	1.000	21.21	21.50	1.069	0.121	10#
	Bottom	4183	836.6	0.270	0.076	100.00	1.000	21.21	21.50	1.069	0.081	/

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	18700	1860.0	-0.890	0.606	100.00	1.000	21.47	21.50	1.007	0.610	/
		Left Tilt	18700	1860.0	2.510	0.298	100.00	1.000	21.47	21.50	1.007	0.300	/
		Right Cheek	18700	1860.0	-0.230	0.667	100.00	1.000	21.47	21.50	1.007	0.672	11#
		Right Tilt	18700	1860.0	3.020	0.325	100.00	1.000	21.47	21.50	1.007	0.327	/
	50%RB	Left Cheek	18700	1860.0	-3.380	0.511	100.00	1.000	20.33	20.50	1.040	0.531	/
		Left Tilt	18700	1860.0	-4.050	0.202	100.00	1.000	20.33	20.50	1.040	0.210	/
		Right Cheek	18700	1860.0	3.640	0.543	100.00	1.000	20.33	20.50	1.040	0.565	/
		Right Tilt	18700	1860.0	3.330	0.231	100.00	1.000	20.33	20.50	1.040	0.240	/

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	18700	1860.0	0.270	0.210	100.00	1.000	21.47	21.50	1.007	0.211	/
		Back	18700	1860.0	-1.710	0.284	100.00	1.000	21.47	21.50	1.007	0.286	12#
		Bottom	18700	1860.0	3.790	0.188	100.00	1.000	21.47	21.50	1.007	0.189	/
	50%RB	Front	18700	1860.0	1.150	0.189	100.00	1.000	20.33	20.50	1.040	0.197	/
		Back	18700	1860.0	3.530	0.244	100.00	1.000	20.33	20.50	1.040	0.254	/
		Bottom	18700	1860.0	2.890	0.132	100.00	1.000	20.33	20.50	1.040	0.137	/

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	20175	1732.5	1.030	0.421	100.00	1.000	21.12	21.50	1.091	0.459	/
		Left Tilt	20175	1732.5	2.060	0.172	100.00	1.000	21.12	21.50	1.091	0.188	/
		Right Cheek	20175	1732.5	-3.550	0.487	100.00	1.000	21.12	21.50	1.091	0.531	13#
		Right Tilt	20175	1732.5	2.960	0.221	100.00	1.000	21.12	21.50	1.091	0.241	/
	50%RB	Left Cheek	20175	1732.5	2.480	0.248	100.00	1.000	20.00	20.50	1.122	0.278	/
		Left Tilt	20175	1732.5	0.830	0.095	100.00	1.000	20.00	20.50	1.122	0.107	/
		Right Cheek	20175	1732.5	2.570	0.354	100.00	1.000	20.00	20.50	1.122	0.397	/
		Right Tilt	20175	1732.5	-3.040	0.131	100.00	1.000	20.00	20.50	1.122	0.147	/

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	20175	1732.5	-2.090	0.137	100.00	1.000	21.12	21.50	1.091	0.149	/
		Back	20175	1732.5	3.520	0.184	100.00	1.000	21.12	21.50	1.091	0.201	14#
		Bottom	20175	1732.5	-0.150	0.092	100.00	1.000	21.12	21.50	1.091	0.100	/
	50%RB	Front	20175	1732.5	3.320	0.088	100.00	1.000	20.00	20.50	1.122	0.099	/
		Back	20175	1732.5	-4.540	0.107	100.00	1.000	20.00	20.50	1.122	0.120	/
		Bottom	20175	1732.5	3.320	0.048	100.00	1.000	20.00	20.50	1.122	0.054	/

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	1.240	0.156	100.00	1.000	21.58	22.00	1.102	0.172	/
		Left Tilt	20450	829.0	-0.500	0.042	100.00	1.000	21.58	22.00	1.102	0.046	/
		Right Cheek	20450	829.0	0.850	0.173	100.00	1.000	21.58	22.00	1.102	0.191	15#
		Right Tilt	20450	829.0	3.270	0.074	100.00	1.000	21.58	22.00	1.102	0.082	/
	50%RB	Left Cheek	20450	829.0	4.430	0.094	100.00	1.000	20.38	20.50	1.028	0.097	/
		Left Tilt	20450	829.0	-3.130	0.032	100.00	1.000	20.38	20.50	1.028	0.033	/
		Right Cheek	20450	829.0	-4.530	0.111	100.00	1.000	20.38	20.50	1.028	0.114	/
		Right Tilt	20450	829.0	3.750	0.051	100.00	1.000	20.38	20.50	1.028	0.052	/
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	-2.170	0.113	100.00	1.000	21.58	22.00	1.102	0.125	/
		Back	20450	829.0	-3.900	0.201	100.00	1.000	21.58	22.00	1.102	0.222	16#
		Bottom	20450	829.0	3.990	0.076	100.00	1.000	21.58	22.00	1.102	0.084	/
	50%RB	Front	20450	829.0	3.050	0.096	100.00	1.000	20.38	20.50	1.028	0.099	/
		Back	20450	829.0	2.240	0.185	100.00	1.000	20.38	20.50	1.028	0.190	/
		Bottom	20450	829.0	0.040	0.065	100.00	1.000	20.38	20.50	1.028	0.067	/

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	2.820	0.105	100.00	1.000	21.30	21.50	1.047	0.110	/
		Left Tilt	23060	704.0	-0.010	0.048	100.00	1.000	21.30	21.50	1.047	0.050	/
		Right Cheek	23060	704.0	-1.980	0.128	100.00	1.000	21.30	21.50	1.047	0.134	17#
		Right Tilt	23060	704.0	1.030	0.061	100.00	1.000	21.30	21.50	1.047	0.064	/
	50%RB	Left Cheek	23060	704.0	-3.490	0.094	100.00	1.000	20.20	20.50	1.072	0.101	/
		Left Tilt	23060	704.0	-0.380	0.043	100.00	1.000	20.20	20.50	1.072	0.046	/
		Right Cheek	23060	704.0	4.900	0.118	100.00	1.000	20.20	20.50	1.072	0.126	/
		Right Tilt	23060	704.0	4.320	0.055	100.00	1.000	20.20	20.50	1.072	0.059	/

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	-3.210	0.126	100.00	1.000	21.30	21.50	1.047	0.132	/
		Back	23060	704.0	-2.000	0.135	100.00	1.000	21.30	21.50	1.047	0.141	18#
		Bottom	23060	704.0	-0.300	0.088	100.00	1.000	21.30	21.50	1.047	0.092	/
	50%RB	Front	23060	704.0	-3.760	0.110	100.00	1.000	20.20	20.50	1.072	0.118	/
		Back	23060	704.0	1.500	0.130	100.00	1.000	20.20	20.50	1.072	0.139	/
		Bottom	23060	704.0	4.520	0.072	100.00	1.000	20.20	20.50	1.072	0.077	/

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	-4.710	0.101	100.00	1.000	21.46	21.50	1.009	0.102	/
		Left Tilt	23230	782.0	-3.330	0.047	100.00	1.000	21.46	21.50	1.009	0.047	/
		Right Cheek	23230	782.0	-0.510	0.109	100.00	1.000	21.46	21.50	1.009	0.110	19#
		Right Tilt	23230	782.0	0.670	0.055	100.00	1.000	21.46	21.50	1.009	0.055	/
	50%RB	Left Cheek	23230	782.0	-2.860	0.082	100.00	1.000	20.47	20.50	1.007	0.083	/
		Left Tilt	23230	782.0	-4.480	0.042	100.00	1.000	20.47	20.50	1.007	0.042	/
		Right Cheek	23230	782.0	3.860	0.097	100.00	1.000	20.47	20.50	1.007	0.098	/
		Right Tilt	23230	782.0	-1.050	0.051	100.00	1.000	20.47	20.50	1.007	0.051	/

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	-3.130	0.099	100.00	1.000	21.46	21.50	1.009	0.100	/
		Back	23230	782.0	2.810	0.121	100.00	1.000	21.46	21.50	1.009	0.122	20#
		Bottom	23230	782.0	-4.010	0.077	100.00	1.000	21.46	21.50	1.009	0.078	/
	50%RB	Front	23230	782.0	2.510	0.085	100.00	1.000	20.47	20.50	1.007	0.086	/
		Back	23230	782.0	0.740	0.112	100.00	1.000	20.47	20.50	1.007	0.113	/
		Bottom	23230	782.0	4.360	0.074	100.00	1.000	20.47	20.50	1.007	0.075	/

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	-1.990	0.133	100.00	1.000	21.25	21.50	1.059	0.141	/
		Left Tilt	23780	709.0	4.730	0.062	100.00	1.000	21.25	21.50	1.059	0.066	/
		Right Cheek	23780	709.0	-3.990	0.142	100.00	1.000	21.25	21.50	1.059	0.150	21#
		Right Tilt	23780	709.0	4.220	0.088	100.00	1.000	21.25	21.50	1.059	0.093	/
	50%RB	Left Cheek	23780	709.0	-2.230	0.119	100.00	1.000	20.13	20.50	1.089	0.130	/
		Left Tilt	23780	709.0	-3.300	0.042	100.00	1.000	20.13	20.50	1.089	0.046	/
		Right Cheek	23780	709.0	1.860	0.138	100.00	1.000	20.13	20.50	1.089	0.150	/
		Right Tilt	23780	709.0	-4.420	0.071	100.00	1.000	20.13	20.50	1.089	0.077	/

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	1RB	Front	23780	709.0	-2.600	0.107	100.00	1.000	21.25	21.50	1.059	0.113	/

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(BW: 10MHz)		Back	23780	709.0	2.370	0.136	100.00	1.000	21.25	21.50	1.059	0.144	22#
		Bottom	23780	709.0	-2.260	0.099	100.00	1.000	21.25	21.50	1.059	0.105	/
	50%RB	Front	23780	709.0	0.550	0.098	100.00	1.000	20.13	20.50	1.089	0.107	/
		Back	23780	709.0	-2.760	0.128	100.00	1.000	20.13	20.50	1.089	0.139	/
		Bottom	23780	709.0	0.970	0.082	100.00	1.000	20.13	20.50	1.089	0.089	/

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	26140	1860.0	1.350	0.573	100.00	1.000	22.47	22.50	1.007	0.577	/
		Left Tilt	26140	1860.0	-2.690	0.243	100.00	1.000	22.47	22.50	1.007	0.245	/
		Right Cheek	26140	1860.0	-1.910	0.639	100.00	1.000	22.47	22.50	1.007	0.643	23#
		Right Tilt	26140	1860.0	1.570	0.361	100.00	1.000	22.47	22.50	1.007	0.364	/
	50%RB	Left Cheek	26140	1860.0	1.020	0.438	100.00	1.000	21.31	21.50	1.045	0.458	/
		Left Tilt	26140	1860.0	-1.870	0.251	100.00	1.000	21.31	21.50	1.045	0.262	/
		Right Cheek	26140	1860.0	-1.270	0.554	100.00	1.000	21.31	21.50	1.045	0.579	/
		Right Tilt	26140	1860.0	-3.110	0.337	100.00	1.000	21.31	21.50	1.045	0.352	/

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	26140	1860.0	-4.500	0.228	100.00	1.000	22.47	22.50	1.007	0.230	/
		Back	26140	1860.0	-4.030	0.267	100.00	1.000	22.47	22.50	1.007	0.269	24#
		Bottom	26140	1860.0	-1.910	0.123	100.00	1.000	22.47	22.50	1.007	0.124	/
	50%RB	Front	26140	1860.0	-4.010	0.184	100.00	1.000	21.31	21.50	1.045	0.192	/
		Back	26140	1860.0	-2.560	0.231	100.00	1.000	21.31	21.50	1.045	0.241	/
		Bottom	26140	1860.0	-3.330	0.134	100.00	1.000	21.31	21.50	1.045	0.140	/

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 Part90 (BW:10MHz)	1RB	Left Cheek	26740	819.0	-0.450	0.221	100.00	1.000	22.98	23.00	1.005	0.222	/
		Left Tilt	26740	819.0	-0.290	0.097	100.00	1.000	22.98	23.00	1.005	0.097	/
		Right Cheek	26740	819.0	2.720	0.245	100.00	1.000	22.98	23.00	1.005	0.246	25#
		Right Tilt	26740	819.0	-2.190	0.113	100.00	1.000	22.98	23.00	1.005	0.114	/
	50%RB	Left Cheek	26740	819.0	-2.370	0.175	100.00	1.000	21.81	22.00	1.045	0.183	/
		Left Tilt	26740	819.0	0.990	0.063	100.00	1.000	21.81	22.00	1.045	0.066	/
		Right Cheek	26740	819.0	1.340	0.208	100.00	1.000	21.81	22.00	1.045	0.217	/
		Right Tilt	26740	819.0	-4.720	0.104	100.00	1.000	21.81	22.00	1.045	0.109	/

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 Part90 (BW:10MHz)	1RB	Front	26740	819.0	-2.400	0.172	100.00	1.000	22.98	23.00	1.005	0.173	/
		Back	26740	819.0	-3.300	0.179	100.00	1.000	22.98	23.00	1.005	0.180	26#
		Bottom	26740	819.0	-4.670	0.134	100.00	1.000	22.98	23.00	1.005	0.135	/
	50%RB	Front	26740	819.0	-4.340	0.155	100.00	1.000	21.81	22.00	1.045	0.162	/
		Back	26740	819.0	3.880	0.158	100.00	1.000	21.81	22.00	1.045	0.165	/
		Bottom	26740	819.0	-4.870	0.125	100.00	1.000	21.81	22.00	1.045	0.131	/

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 Part22 (BW:15MHz)	1RB	Left Cheek	26965	841.5	1.850	0.242	100.00	1.000	16.93	17.00	1.016	0.246	/
		Left Tilt	26965	841.5	0.260	0.144	100.00	1.000	16.93	17.00	1.016	0.146	/
		Right Cheek	26965	841.5	2.420	0.251	100.00	1.000	16.93	17.00	1.016	0.255	27#
		Right Tilt	26965	841.5	-2.100	0.156	100.00	1.000	16.93	17.00	1.016	0.158	/
	50%RB	Left Cheek	26965	841.5	-1.780	0.231	100.00	1.000	15.77	16.00	1.054	0.244	/
		Left Tilt	26965	841.5	0.910	0.097	100.00	1.000	15.77	16.00	1.054	0.102	/
		Right Cheek	26965	841.5	1.650	0.243	100.00	1.000	15.77	16.00	1.054	0.256	/
		Right Tilt	26965	841.5	-2.690	0.102	100.00	1.000	15.77	16.00	1.054	0.108	/

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 Part22 (BW:15MHz)	1RB	Front	26965	841.5	1.970	0.106	100.00	1.000	16.93	17.00	1.016	0.108	/
		Back	26965	841.5	-2.290	0.159	100.00	1.000	16.93	17.00	1.016	0.162	28#
		Bottom	26965	841.5	1.710	0.087	100.00	1.000	16.93	17.00	1.016	0.088	/

	50%RB	Front	26965	841.5	-2.850	0.101	100.00	1.000	15.77	16.00	1.016	0.106	/
		Back	26965	841.5	-1.210	0.121	100.00	1.000	15.77	16.00	1.016	0.128	/
		Bottom	26965	841.5	4.450	0.045	100.00	1.000	15.77	16.00	1.016	0.047	/

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	37850	2580.5	-0.610	0.073	100.00	1.000	18.23	18.50	1.064	0.078	/
		Left Tilt	37850	2580.5	-1.710	0.026	100.00	1.000	18.23	18.50	1.064	0.028	/
		Right Cheek	37850	2580.5	-3.350	0.089	100.00	1.000	18.23	18.50	1.064	0.095	29#
		Right Tilt	37850	2580.5	2.180	0.055	100.00	1.000	18.23	18.50	1.064	0.059	/
	50%RB	Left Cheek	37850	2580.5	2.200	0.063	100.00	1.000	18.27	18.50	1.054	0.066	/
		Left Tilt	37850	2580.5	0.060	0.021	100.00	1.000	18.27	18.50	1.054	0.022	/
		Right Cheek	37850	2580.5	-1.290	0.077	100.00	1.000	18.27	18.50	1.054	0.081	/
		Right Tilt	37850	2580.5	0.520	0.031	100.00	1.000	18.27	18.50	1.054	0.033	/

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	37850	2580.5	-3.930	0.094	100.00	1.000	18.23	18.50	1.064	0.100	/
		Back	37850	2580.5	-4.100	0.130	100.00	1.000	18.23	18.50	1.064	0.138	30#
		Bottom	37850	2580.5	-1.460	0.085	100.00	1.000	18.23	18.50	1.064	0.090	/
	50%RB	Front	37850	2580.5	0.180	0.064	100.00	1.000	18.27	18.50	1.054	0.067	/
		Back	37850	2580.5	4.660	0.107	100.00	1.000	18.27	18.50	1.054	0.113	/
		Bottom	37850	2580.5	-4.750	0.052	100.00	1.000	18.27	18.50	1.054	0.055	/

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	0.960	0.127	100.00	1.000	21.41	21.50	1.021	0.130	/
		Left Tilt	41490	2680.0	-1.410	0.051	100.00	1.000	21.41	21.50	1.021	0.052	/
		Right Cheek	41490	2680.0	-1.420	0.146	100.00	1.000	21.41	21.50	1.021	0.149	31#
		Right Tilt	41490	2680.0	2.210	0.087	100.00	1.000	21.41	21.50	1.021	0.089	/
	50%RB	Left Cheek	41490	2680.0	3.640	0.118	100.00	1.000	20.12	20.50	1.091	0.129	/
		Left Tilt	41490	2680.0	-1.860	0.042	100.00	1.000	20.12	20.50	1.091	0.046	/
		Right Cheek	41490	2680.0	-1.570	0.135	100.00	1.000	20.12	20.50	1.091	0.147	/
		Right Tilt	41490	2680.0	3.600	0.069	100.00	1.000	20.12	20.50	1.091	0.075	/

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	3.860	0.064	100.00	1.000	21.41	21.50	1.021	0.065	/
		Back	41490	2680.0	3.460	0.079	100.00	1.000	21.41	21.50	1.021	0.081	32#
		Bottom	41490	2680.0	1.690	0.052	100.00	1.000	21.41	21.50	1.021	0.053	/
	50%RB	Front	41490	2680.0	1.330	0.051	100.00	1.000	20.12	20.50	1.091	0.056	/
		Back	41490	2680.0	-3.090	0.066	100.00	1.000	20.12	20.50	1.091	0.072	/
		Bottom	41490	2680.0	-0.520	0.048	100.00	1.000	20.12	20.50	1.091	0.052	/

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	132322	1770.0	3.520	0.543	100.00	1.000	21.37	21.50	1.030	0.559	/
		Left Tilt	132322	1770.0	-0.940	0.241	100.00	1.000	21.37	21.50	1.030	0.248	/
		Right Cheek	132322	1770.0	-2.470	0.626	100.00	1.000	21.37	21.50	1.030	0.645	33#
		Right Tilt	132322	1770.0	-1.070	0.358	100.00	1.000	21.37	21.50	1.030	0.369	/
	50%RB	Left Cheek	132322	1770.0	-1.030	0.502	100.00	1.000	20.35	20.50	1.035	0.520	/
		Left Tilt	132322	1770.0	3.050	0.219	100.00	1.000	20.35	20.50	1.035	0.227	/
		Right Cheek	132322	1770.0	4.360	0.598	100.00	1.000	20.35	20.50	1.035	0.619	/
		Right Tilt	132322	1770.0	-2.160	0.288	100.00	1.000	20.35	20.50	1.035	0.298	/

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	132322	1770.0	-2.360	0.207	100.00	1.000	21.37	21.50	1.030	0.213	/
		Back	132322	1770.0	2.390	0.216	100.00	1.000	21.37	21.50	1.030	0.222	34#
		Bottom	132322	1770.0	2.090	0.143	100.00	1.000	21.37	21.50	1.030	0.147	/
	50%RB	Front	132322	1770.0	-2.850	0.177	100.00	1.000	20.35	20.50	1.035	0.183	/
		Back	132322	1770.0	4.110	0.206	100.00	1.000	20.35	20.50	1.035	0.213	/

		Bottom	132322	1770.0	-3.870	0.098	100.00	1.000	20.35	20.50	1.035	0.101	/
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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	-0.960	0.064	100.00	1.000	21.47	21.50	1.007	0.064	/
		Left Tilt	133322	683.0	3.370	0.028	100.00	1.000	21.47	21.50	1.007	0.028	/
		Right Cheek	133322	683.0	-3.200	0.073	100.00	1.000	21.47	21.50	1.007	0.074	35#
		Right Tilt	133322	683.0	-1.070	0.032	100.00	1.000	21.47	21.50	1.007	0.032	/
	50%RB	Left Cheek	133322	683.0	4.260	0.051	100.00	1.000	20.33	20.50	1.040	0.053	/
		Left Tilt	133322	683.0	1.560	0.017	100.00	1.000	20.33	20.50	1.040	0.018	/
		Right Cheek	133322	683.0	-0.890	0.065	100.00	1.000	20.33	20.50	1.040	0.068	/
		Right Tilt	133322	683.0	1.660	0.026	100.00	1.000	20.33	20.50	1.040	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 71 (BW: 20MHz)	1RB	Front	133322	683.0	1.650	0.098	100.00	1.000	21.47	21.50	1.007	0.099	/
		Back	133322	683.0	1.480	0.103	100.00	1.000	21.47	21.50	1.007	0.104	36#
		Bottom	133322	683.0	0.120	0.062	100.00	1.000	21.47	21.50	1.007	0.062	/
	50%RB	Front	133322	683.0	0.890	0.076	100.00	1.000	20.33	20.50	1.040	0.079	/
		Back	133322	683.0	-1.530	0.094	100.00	1.000	20.33	20.50	1.040	0.098	/
		Bottom	133322	683.0	3.020	0.051	100.00	1.000	20.33	20.50	1.040	0.053	/

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	-1.760	0.207	100.00	1.000	15.29	15.50	1.050	0.217	/
	Left Tilt	6	2437	-1.970	0.095	100.00	1.000	15.29	15.50	1.050	0.100	/
	Right Cheek	6	2437	-0.960	0.224	100.00	1.000	15.29	15.50	1.050	0.235	37#
	Right Tilt	6	2437	-2.780	0.113	100.00	1.000	15.29	15.50	1.050	0.119	/
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	2.940	0.328	100.00	1.000	15.29	15.50	1.050	0.344	/
	Back	6	2437	-4.920	0.344	100.00	1.000	15.29	15.50	1.050	0.361	38#
	Right	6	2437	-3.970	0.082	100.00	1.000	15.29	15.50	1.050	0.086	/
	Top	6	2437	-0.410	0.143	100.00	1.000	15.29	15.50	1.050	0.150	/
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) 802.11ac(VHT80)	Left Cheek	42	5210	3.750	0.571	100.00	1.000	12.43	12.50	1.016	0.580	/
	Left Tilt	42	5210	-3.590	0.239	100.00	1.000	12.43	12.50	1.016	0.243	/
	Right Cheek	42	5210	-2.300	0.645	100.00	1.000	12.43	12.50	1.016	0.655	39#
	Right Tilt	42	5210	4.440	0.357	100.00	1.000	12.43	12.50	1.016	0.363	/
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) 802.11ac(VHT80)	Front	42	5210	3.370	0.178	100.00	1.000	12.43	12.50	1.016	0.181	/
	Back	42	5210	-2.260	0.277	100.00	1.000	12.43	12.50	1.016	0.281	40#
	Right	42	5210	-3.960	0.074	100.00	1.000	12.43	12.50	1.016	0.075	/
	Top	42	5210	0.380	0.121	100.00	1.000	12.43	12.50	1.016	0.123	/

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) 802.11a	Left Cheek	52	5260	2.820	0.173	100.00	1.000	12.01	12.50	1.119	0.194	/
	Left Tilt	52	5260	1.550	0.062	100.00	1.000	12.01	12.50	1.119	0.069	/
	Right Cheek	52	5260	1.490	0.212	100.00	1.000	12.01	12.50	1.119	0.237	41#
	Right Tilt	52	5260	-1.830	0.086	100.00	1.000	12.01	12.50	1.119	0.096	/

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) 802.11a	Front	52	5260	-0.740	0.182	100.00	1.000	12.01	12.50	1.119	0.204	/
	Back	52	5260	-4.870	0.278	100.00	1.000	12.01	12.50	1.119	0.311	42#
	Right	52	5260	3.970	0.052	100.00	1.000	12.01	12.50	1.119	0.058	/

	Top	52	5260	-1.850	0.146	100.00	1.000	12.01	12.50	1.119	0.163	/
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) 802.11ac(VHT80)	Left Cheek	122	5610	-2.170	0.066	100.00	1.000	11.05	11.50	1.109	0.073	/
	Left Tilt	122	5610	0.480	0.031	100.00	1.000	11.05	11.50	1.109	0.034	/
	Right Cheek	122	5610	-1.880	0.083	100.00	1.000	11.05	11.50	1.109	0.092	43#
	Right Tilt	122	5610	3.640	0.052	100.00	1.000	11.05	11.50	1.109	0.058	/

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) 802.11ac(VHT80)	Front	122	5610	3.660	0.005	100.00	1.000	11.05	11.50	1.109	0.006	/
	Back	122	5610	-4.200	0.006	100.00	1.000	11.05	11.50	1.109	0.007	44#
	Right	122	5610	3.450	0.004	100.00	1.000	11.05	11.50	1.109	0.004	/
	Top	122	5610	-1.970	0.003	100.00	1.000	11.05	11.50	1.109	0.003	/

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) 802.11ac(VHT80)	Left Cheek	155	5775	4.160	0.179	100.00	1.000	11.33	11.50	1.040	0.186	/
	Left Tilt	155	5775	-2.830	0.087	100.00	1.000	11.33	11.50	1.040	0.090	/
	Right Cheek	155	5775	-3.690	0.204	100.00	1.000	11.33	11.50	1.040	0.212	45#
	Right Tilt	155	5775	-3.200	0.142	100.00	1.000	11.33	11.50	1.040	0.148	/

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) 802.11ac(VHT80)	Front	155	5775	3.300	0.072	100.00	1.000	11.33	11.50	1.040	0.075	/
	Back	155	5775	1.940	0.098	100.00	1.000	11.33	11.50	1.040	0.102	46#
	Right	155	5775	-3.150	0.021	100.00	1.000	11.33	11.50	1.040	0.022	/
	Top	155	5775	-2.630	0.054	100.00	1.000	11.33	11.50	1.040	0.056	/

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	0.850	0.003	100.00	1.000	4.61	5.00	1.094	0.003	/
	Left Tilt	39	2441	-3.350	0.001	100.00	1.000	4.61	5.00	1.094	0.001	/
	Right Cheek	39	2441	1.090	0.004	100.00	1.000	4.61	5.00	1.094	0.004	47#
	Right Tilt	39	2441	2.520	0.002	100.00	1.000	4.61	5.00	1.094	0.002	/

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	3.320	0.002	100.00	1.000	4.61	5.00	1.094	0.002	/
	Back	39	2441	2.840	0.003	100.00	1.000	4.61	5.00	1.094	0.003	48#
	Right	39	2441	0.800	0.001	100.00	1.000	4.61	5.00	1.094	0.001	/
	Top	39	2441	-3.380	0.001	100.00	1.000	4.61	5.00	1.094	0.001	/

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 $\leq 0.8\text{W/kg}$, 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 ($L \times W \geq 9\text{ cm} \times 5\text{ cm}$) 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 = $10^{[(\text{tune-up limit power (dBm)} - \text{Ave. power power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
Reported SAR(W/kg)=Measured SAR (W/kg)*Scaling Factor.

10. SAR Measurement Variability

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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 $0.667 < 0.80$ W/kg, repeated measurement is not necessary.

11. 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&5G 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	Channel Type	Test Position	Scaled				Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5G	Σ SAR (W/kg) WWAN + BT	SPLSR	Remark
			WWAN	WIFI 2.4G	WIFI 5G	Bluetooth					
LTE Band 2	1RB	Left Cheek	0.610	0.217	0.580	0.003	0.827	1.190	0.613	N/A	N/A
		Left Tilt	0.300	0.100	0.243	0.001	0.400	0.543	0.301	N/A	N/A
		Right Cheek	0.672	0.235	0.655	0.004	0.907	1.327	0.676	N/A	N/A
		Right Tilt	0.327	0.119	0.363	0.002	0.446	0.690	0.329	N/A	N/A
	50%RB	Left Cheek	0.531	0.217	0.580	0.003	0.748	1.111	0.534	N/A	N/A
		Left Tilt	0.210	0.100	0.243	0.001	0.310	0.453	0.211	N/A	N/A
		Right Cheek	0.565	0.235	0.655	0.004	0.800	1.220	0.569	N/A	N/A
		Right Tilt	0.240	0.119	0.363	0.002	0.359	0.603	0.242	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 5G	Σ SAR (W/kg) WWAN + BT	SPLSR	Remark
		WWAN	WIFI 2.4G	WIFI 5G	Bluetooth					
LTE Band 2	Front	0.211	0.344	0.181	0.002	0.555	0.392	0.213	N/A	N/A
	Back	0.286	0.361	0.281	0.003	0.647	0.567	0.289	N/A	N/A
	Left	/	/	/	/	/	/	/	N/A	N/A
	Right	/	0.086	0.075	0.001	0.086	0.075	0.001	N/A	N/A
	Top	/	0.150	0.123	0.001	0.150	0.123	0.001	N/A	N/A
	Bottom	0.189	/	/	/	0.189	0.189	0.189	N/A	N/A

12. Test Equipment List

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
E-Field Probe	MVG	SSE2	0125-EPGO-445	2025/02/01	2026/01/31
6 1/2 Digital Multimeter	Keithley	DMM6500	4527164	2024/10/25	2025/10/24
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	161997	2024/10/25	2025/10/24
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2024/10/25	2025/10/24
E-Series Avg. Power Sensor	KEYSIGHT	E9300A	MY55050017	2025/04/02	2026/04/01
EPM Series Power Meter	KEYSIGHT	E4418B	MY41293435	2025/04/02	2026/04/01
MXA Signal Analyzer	KEYSIGHT	N9020A	MY54410409	2024/10/25	2025/10/24
Broadband Preamplifier	Schwarzbeck	BBV9718D	00008	2024/09/24	2025/09/23
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	2025/02/05	2026/02/04
ENA Series Network Analyzer	Agilent	E5071B	MY42301221	2024/10/25	2025/10/24
Thermometer	Riters	DT-232	21A11	2025/04/02	2026/04/01
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	2024/10/25	2025/10/24
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		$\sigma(s/m)$		Delta (ϵ_r)	Delta (σ)	Limit	Temp (°C)	Date
	Target	Measured	Target	Measured					
750	41.90	41.46	0.89	0.88	-1.05%	-1.12%	±5%	22.1	09/9/2025
835	41.50	41.21	0.90	0.91	-0.70%	1.11%	±5%	21.4	11/9/2025
1800	40.00	40.17	1.40	1.35	0.43%	-3.57%	±5%	21.7	13/9/2025
1900	40.00	40.16	1.40	1.38	0.40%	-1.43%	±5%	20.9	15/9/2025
2450	39.20	38.82	1.80	1.78	-0.97%	-1.11%	±5%	21.8	16/9/2025
2600	39.00	38.42	1.96	1.92	-1.49%	-2.04%	±5%	21.5	17/9/2025
5200	36.00	36.84	4.66	4.58	2.33%	-1.72%	±5%	21.7	18/9/2025
5400	35.80	35.95	4.86	4.73	0.42%	-2.67%	±5%	21.7	18/9/2025
5600	35.50	35.76	5.07	5.24	0.73%	3.35%	±5%	21.6	19/9/2025
5800	35.30	35.61	5.27	5.38	0.88%	2.09%	±5%	21.6	19/9/2025

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	0.565	0.854	5.65	8.54	5.55	8.41	1.80%	1.55%
835	100	0.660	1.000	6.60	10.00	6.12	9.46	7.84%	5.71%
1800	100	2.027	3.848	20.27	38.48	19.83	37.93	2.22%	1.45%
1900	100	2.191	4.152	21.91	41.52	20.82	40.29	5.24%	3.05%
2450	100	2.338	4.951	23.38	49.51	24.55	52.72	-4.77%	-6.09%
2600	100	2.611	5.589	26.11	55.89	24.43	53.76	6.88%	3.96%
5200	100	2.483	8.315	24.83	83.15	22.78	78.16	9.00%	6.38%
5400	100	2.408	7.975	24.08	79.75	22.55	78.64	6.78%	1.41%
5600	100	2.336	7.895	23.36	78.95	23.95	82.72	-2.46%	-4.56%
5800	100	2.262	7.696	22.62	76.96	22.71	78.32	-0.40%	-1.74%

System Performance Check Data (750 MHz)

System check at 750 MHz

Date of measurement: 9/9/2025

A. Experimental conditions.

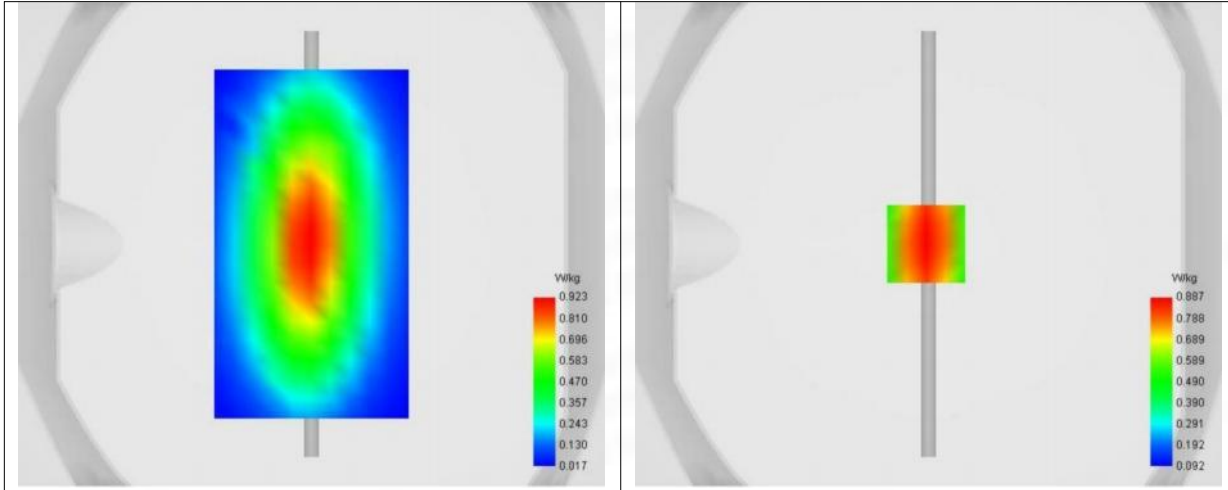
Probe	0125-EPGO-445
ConvF	1.24
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	CW750
Channels/Frequency	Higher
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	750.000
Relative permittivity (real part)	41.461
Relative permittivity (imaginary part)	21.342
Conductivity (S/m)	0.882

C. SAR Surface and Volume

SURFACE SAR	VOLUME SAR
-------------	------------



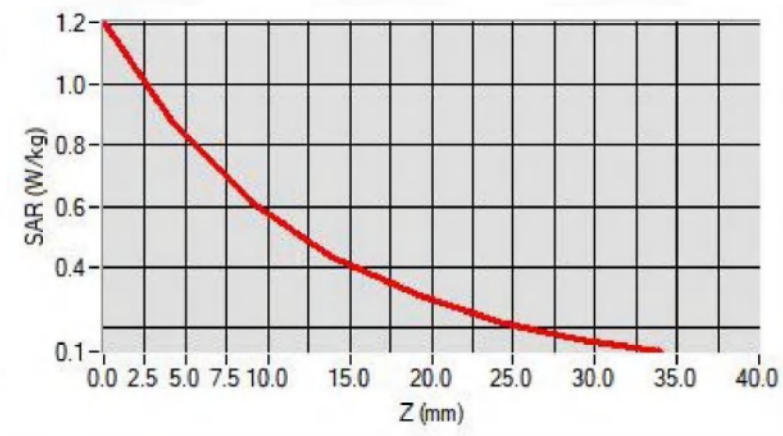
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.20 W/kg

D. SAR 1g & 10g

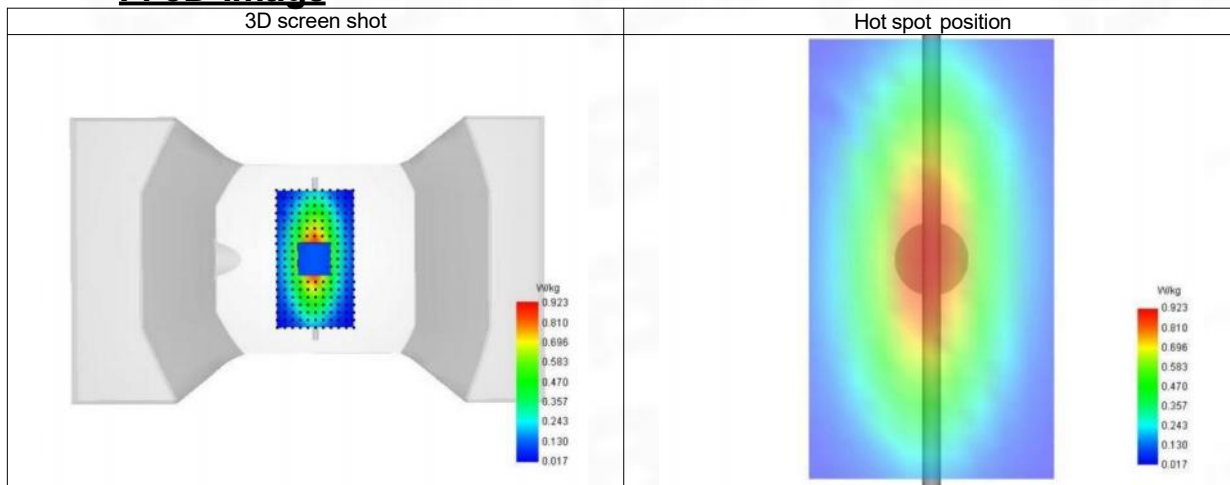
SAR 10g (W/Kg)	0.565
SAR 1g (W/Kg)	0.854
Variation (%)	3.190
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	68.958728

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.207	0.887	0.612	0.430	0.311	0.222	0.162



E. 3D Image



System Performance Check Data (835 MHz)

System check at 835 MHz

Date of measurement: 11/9/2025

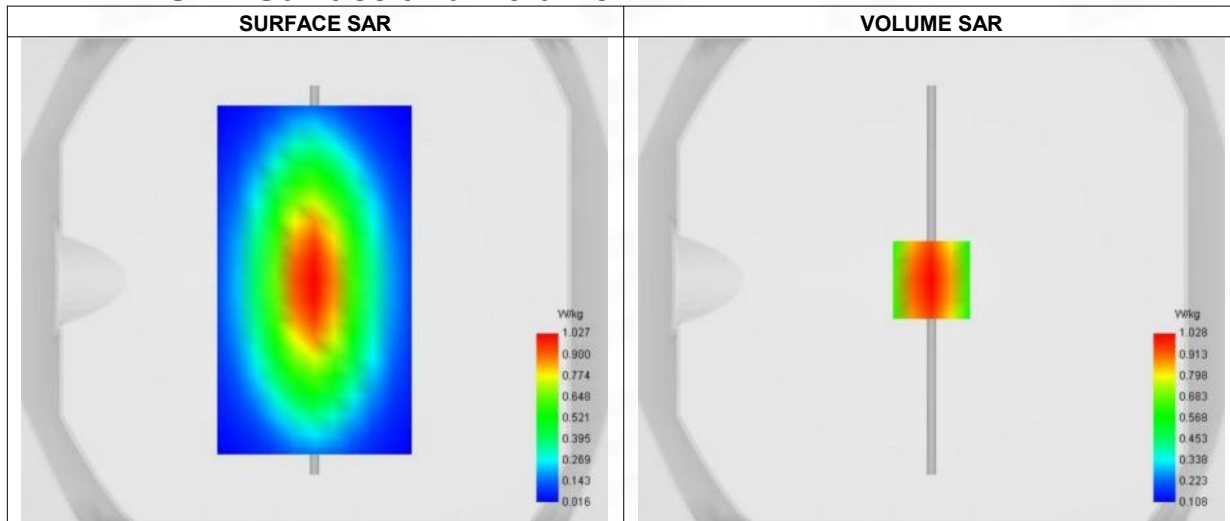
A. Experimental conditions.

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)	41.213
Relative permittivity (imaginary part)	19.432
Conductivity (S/m)	0.912

C. SAR Surface and Volume



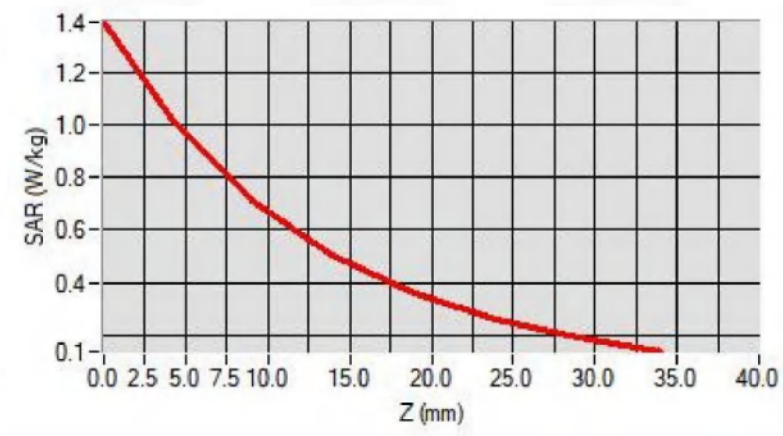
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 1.39 W/kg

D. SAR 1g & 10g

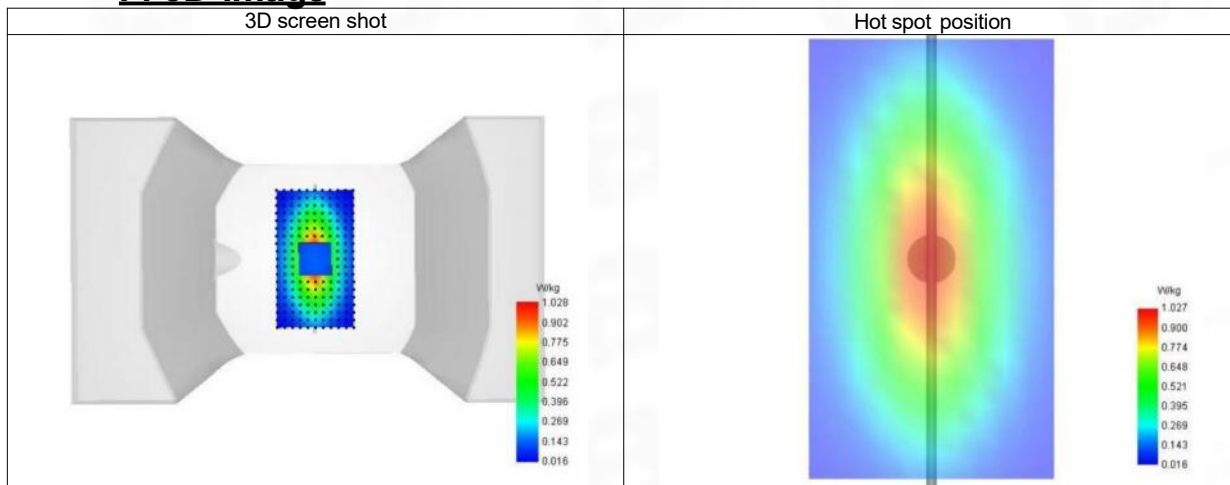
SAR 10g (W/Kg)	0.660
SAR 1g (W/Kg)	1.000
Variation (%)	-1.670
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.263296

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.389	1.028	0.712	0.503	0.362	0.261	0.190



F. 3D Image



System Performance Check Data (1800 MHz)

System check at 1800 MHz

Date of measurement: 13/9/2025

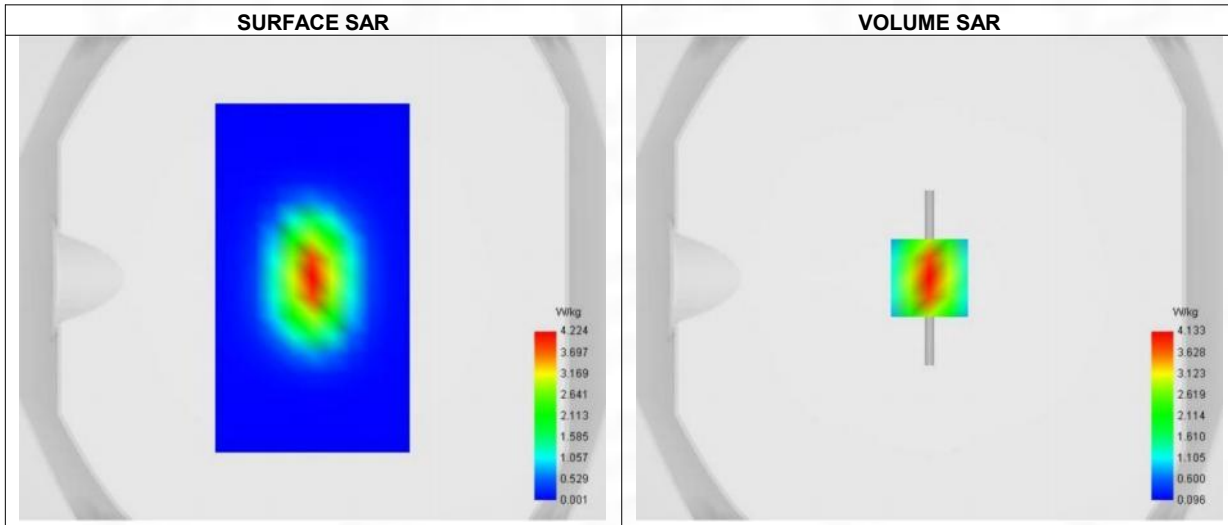
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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)	40.173
Relative permittivity (imaginary part)	14.642
Conductivity (S/m)	1.354

C. SAR Surface and Volume



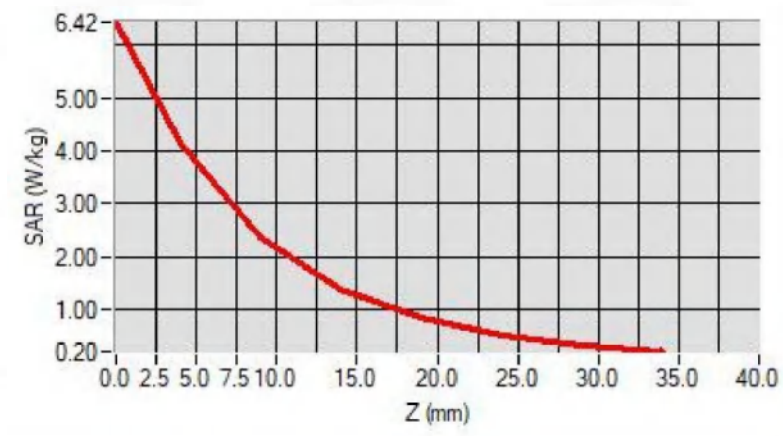
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 6.36 W/kg

D. SAR 1g & 10g

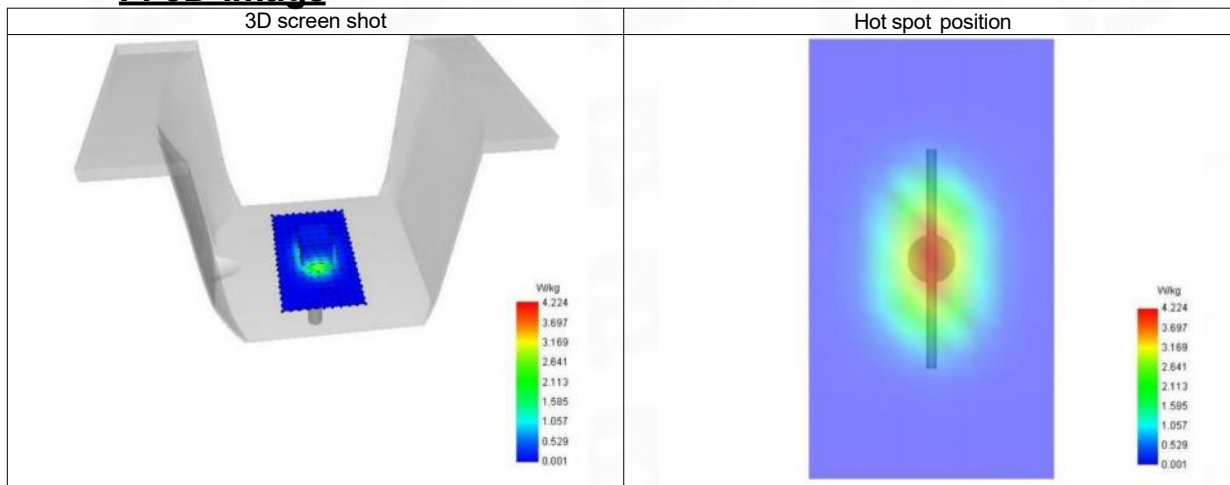
SAR 10g (W/Kg)	2.027
SAR 1g (W/Kg)	3.848
Variation (%)	-1.320
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.827614

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.423	4.133	2.348	1.396	0.842	0.518	0.321



E. 3D Image



System Performance Check Data (1900 MHz)

System check at 1900 MHz

Date of measurement: 15/9/2025

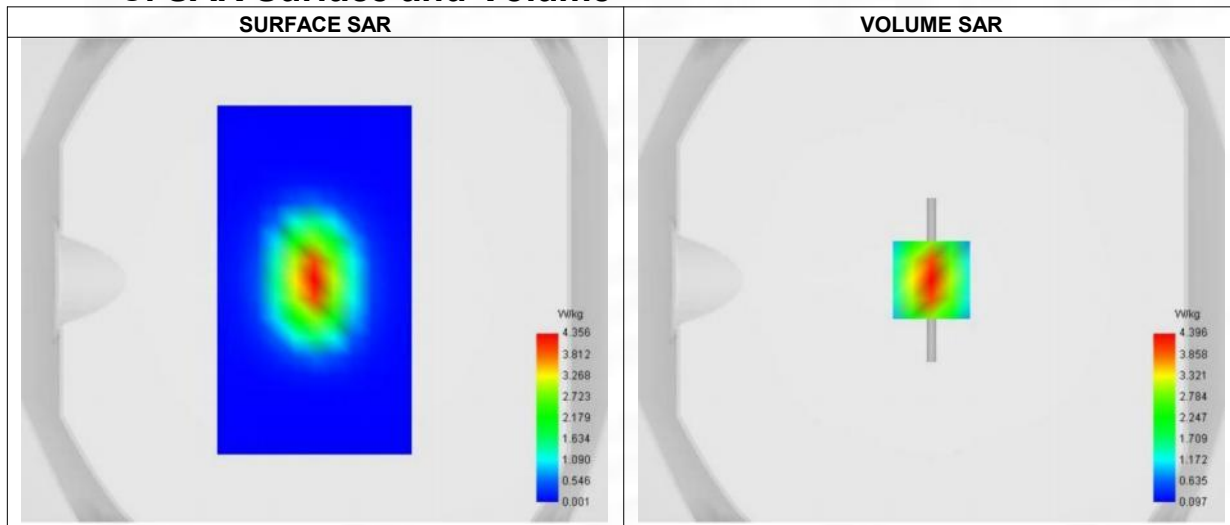
A. Experimental conditions.

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	Dipole
Band	CW1900
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	1900.000
Relative permittivity (real part)	40.162
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.384

C. SAR Surface and Volume



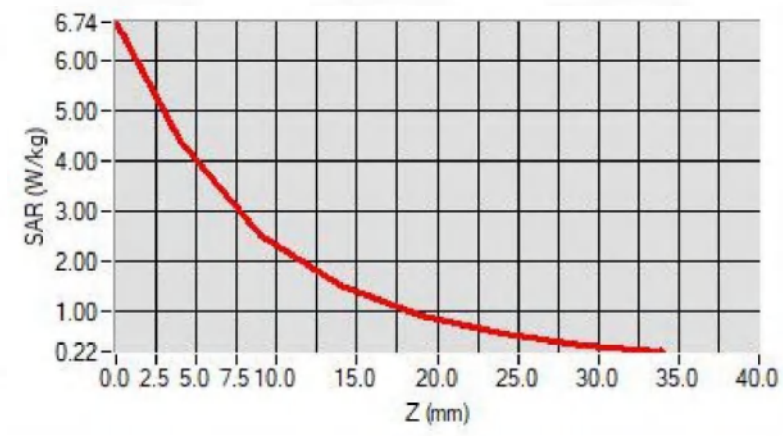
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 6.68 W/kg

D. SAR 1g & 10g

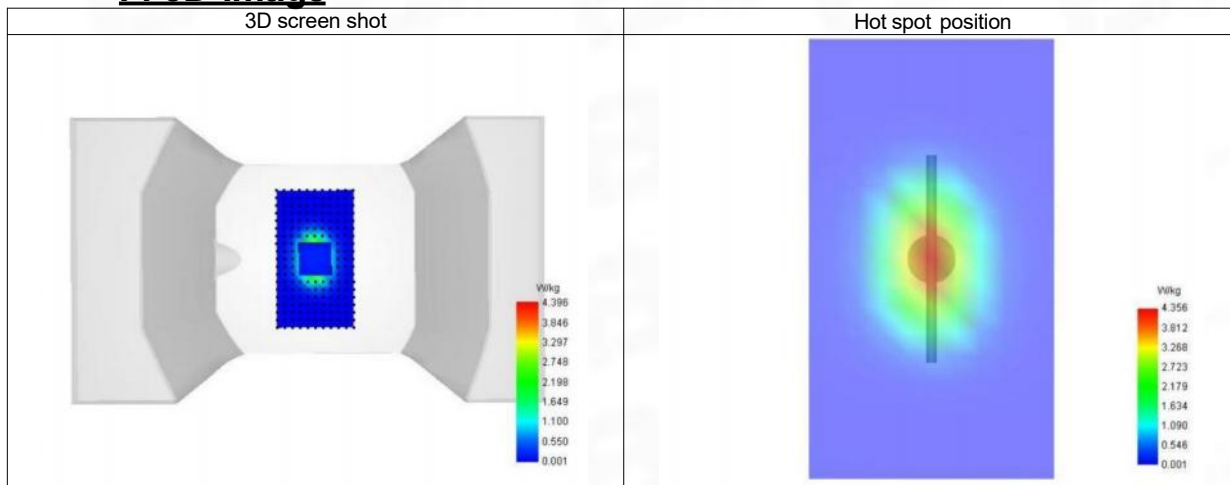
SAR 10g (W/Kg)	2.191
SAR 1g (W/Kg)	4.152
Variation (%)	-2.980
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.902583

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.742	4.396	2.545	1.545	0.937	0.573	0.353



F. 3D Image



System Performance Check Data (2450 MHz)

System check at 2450 MHz

Date of measurement: 16/9/2025

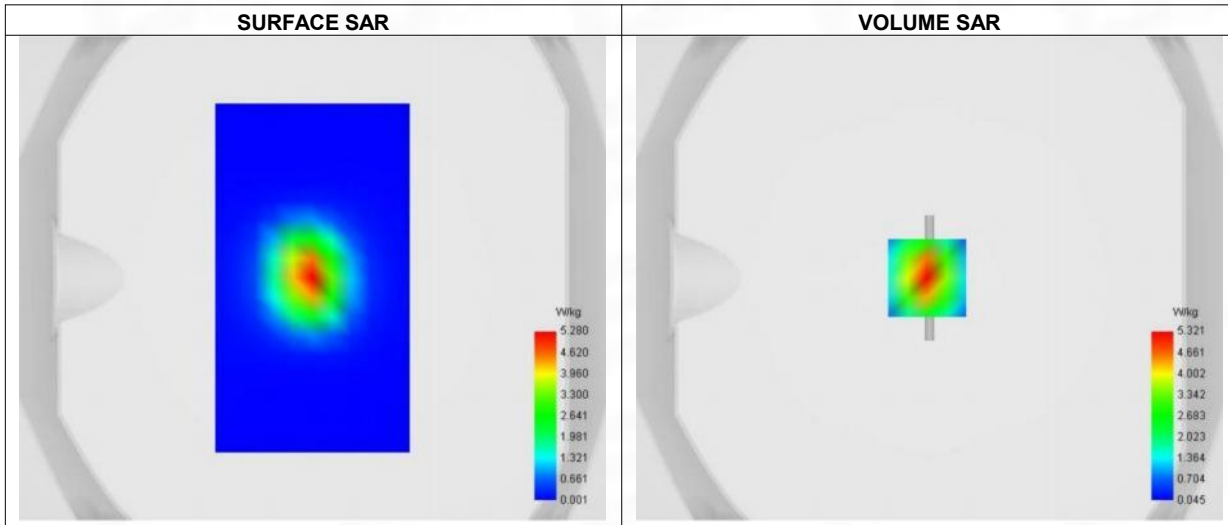
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
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	CW2450
Channels/Frequency	Higher
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2450.000
Relative permittivity (real part)	38.823
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.782

C. SAR Surface and Volume



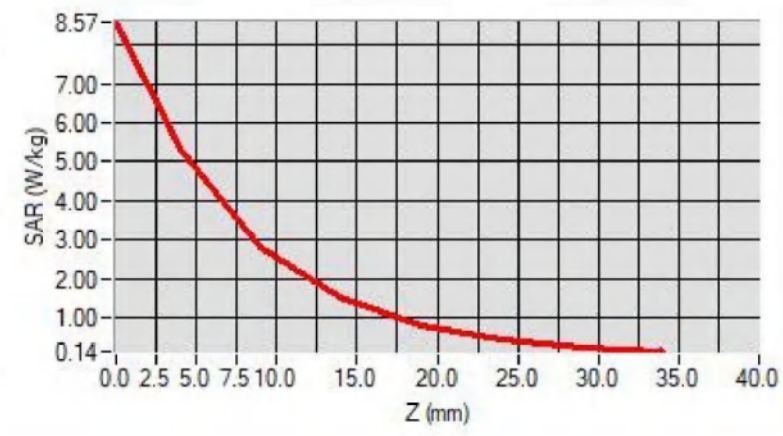
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 8.52 W/kg

D. SAR 1g & 10g

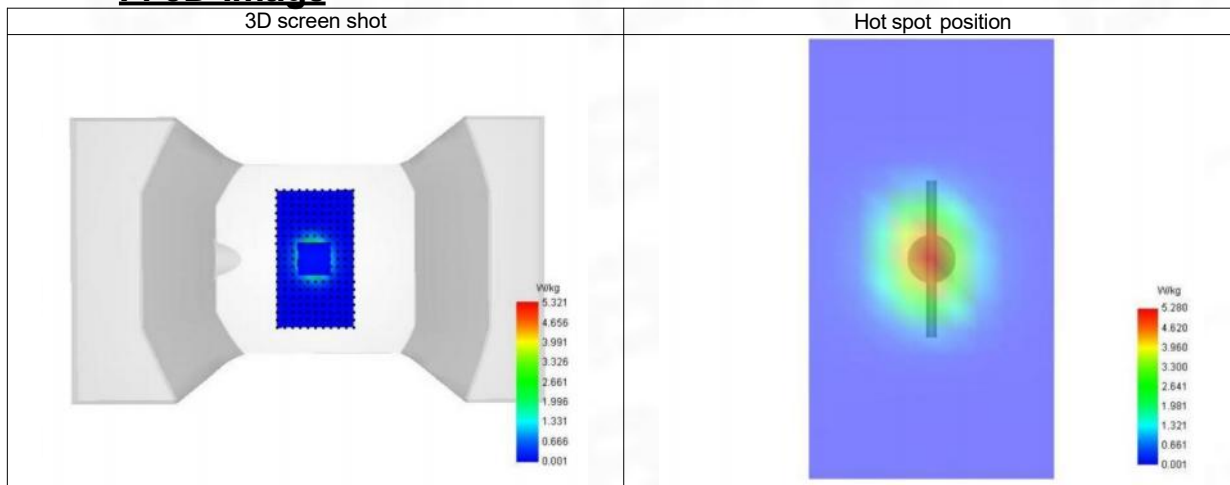
SAR 10g (W/Kg)	2.338
SAR 1g (W/Kg)	4.951
Variation (%)	-1.040
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.023333

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.575	5.321	2.821	1.521	0.823	0.447	0.247



F. 3D Image



System Performance Check Data (2600 MHz)

System check at 2600 MHz

Date of measurement: 17/9/2025

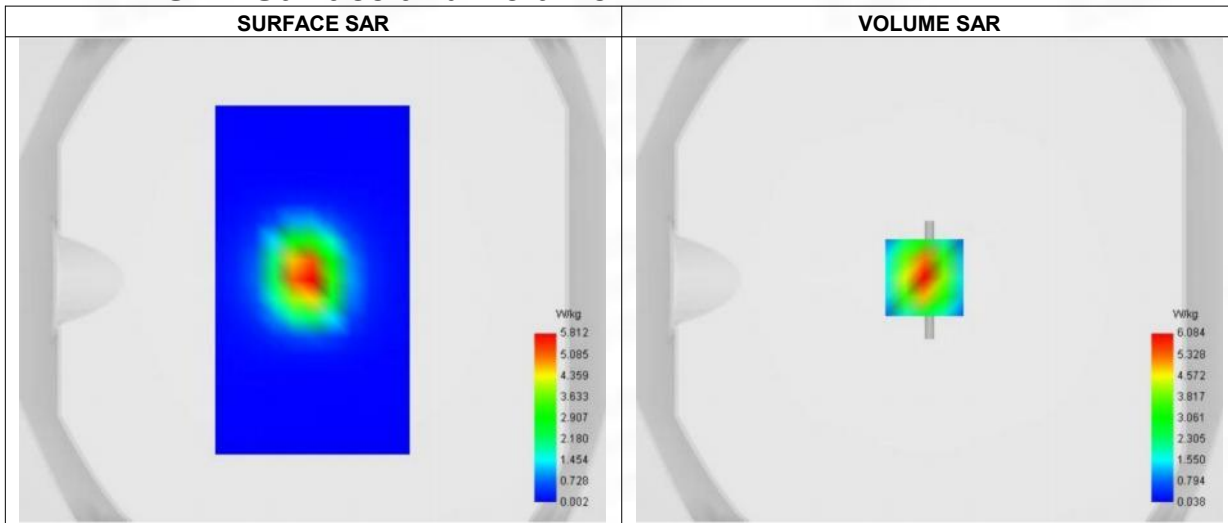
A. Experimental conditions.

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	CW2600
Channels/Frequency	Higher
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2600.000
Relative permittivity (real part)	38.423
Relative permittivity (imaginary part)	12.352
Conductivity (S/m)	1.921

C. SAR Surface and Volume



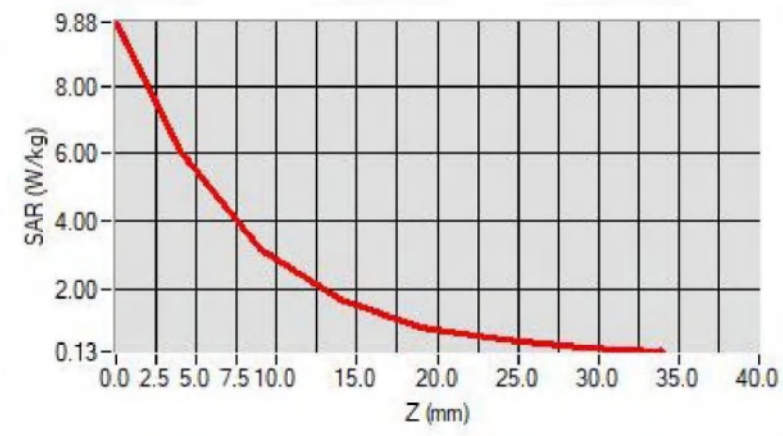
Maximum location: X=-2.00, Y=1.00 ; SAR Peak: 9.81 W/kg

D. SAR 1g & 10g

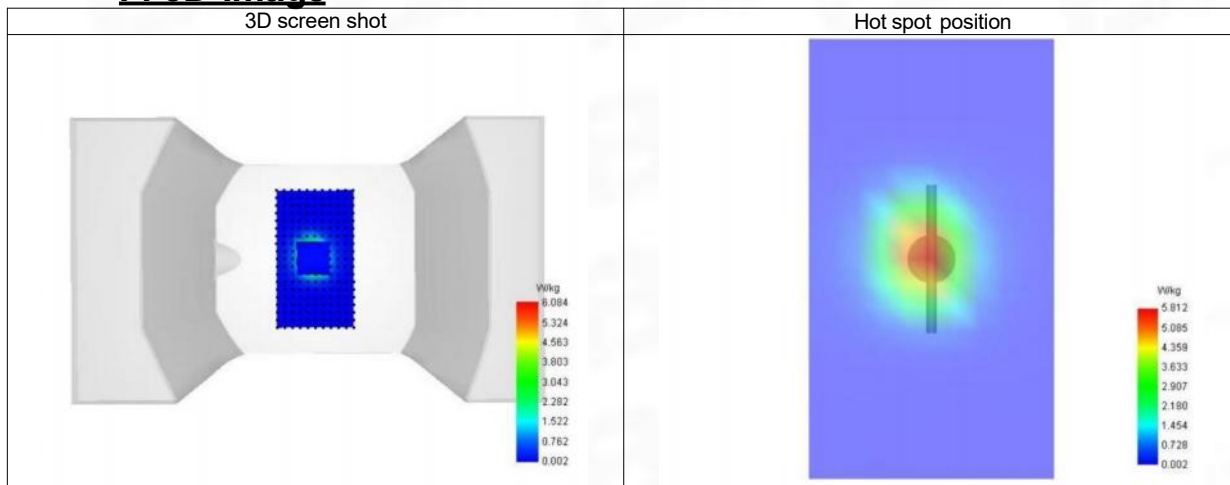
SAR 10g (W/Kg)	2.611
SAR 1g (W/Kg)	5.589
Variation (%)	-2.070
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.138434

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.885	6.084	3.172	1.655	0.869	0.460	0.247



F. 3D Image



System Performance Check Data (5200 MHz)

System check at 5200 MHz

Date of measurement: 18/9/2025

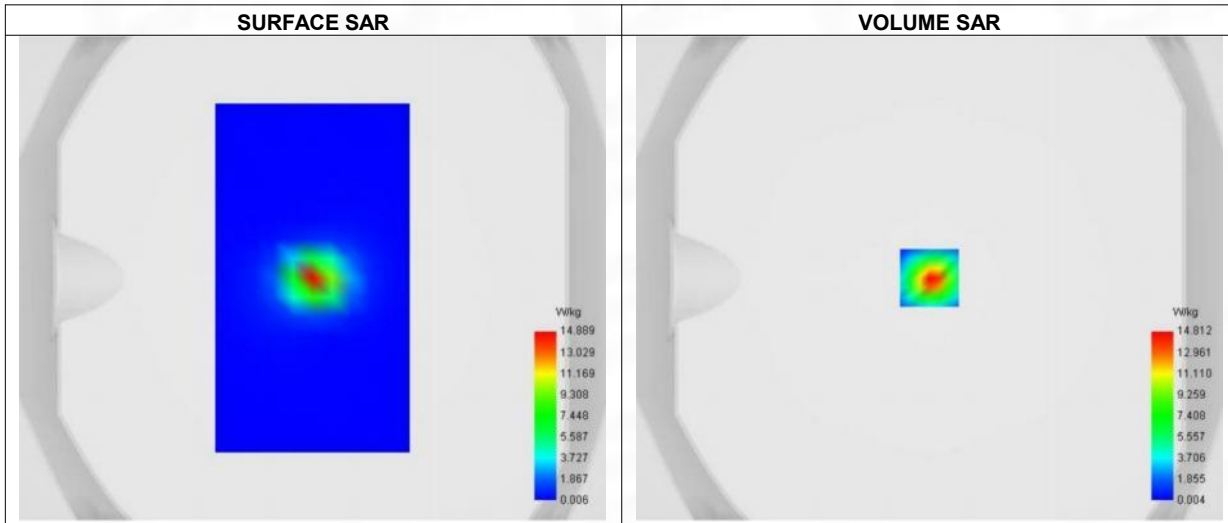
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.18
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)	36.843
Relative permittivity (imaginary part)	16.422
Conductivity (S/m)	4.584

C. SAR Surface and Volume



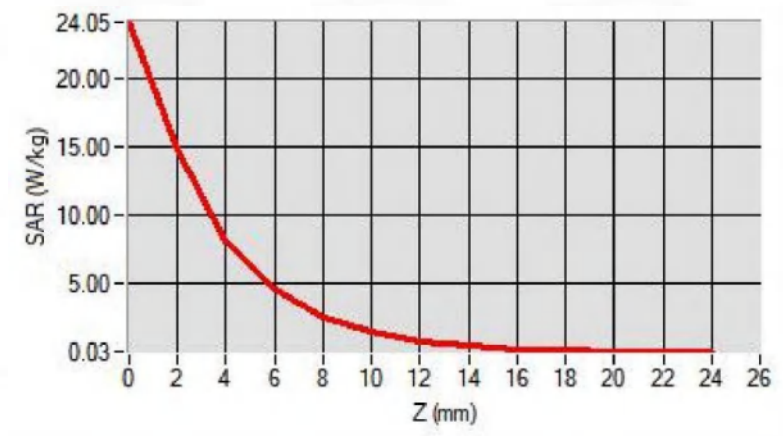
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 25.70 W/kg

D. SAR 1g & 10g

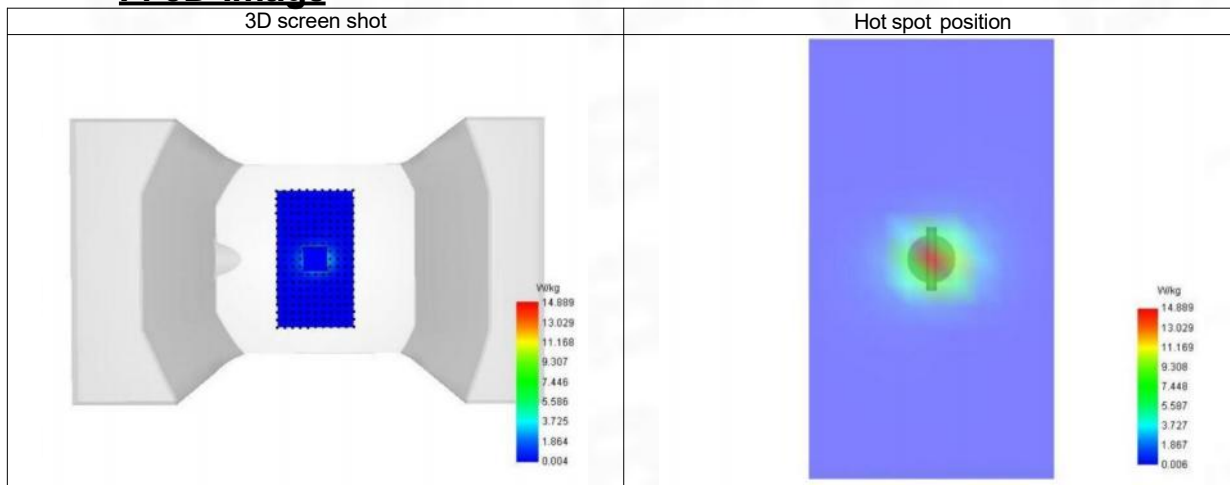
SAR 10g (W/Kg)	2.483
SAR 1g (W/Kg)	8.315
Variation (%)	1.060
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.746732

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)	24.047	14.812	8.109	4.552	2.533	1.422	0.787	0.426	0.240	0.135	0.067	0.041



E. 3D Image



System Performance Check Data (5400 MHz)

System check at 5400 MHz

Date of measurement: 18/9/2025

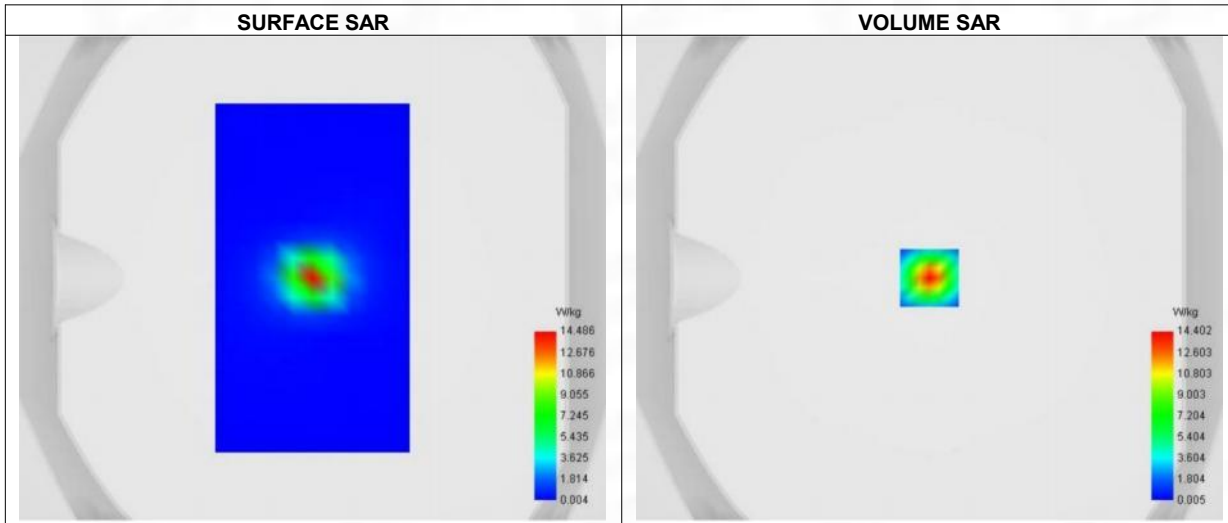
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.14
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	CW5400
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5400.000
Relative permittivity (real part)	35.954
Relative permittivity (imaginary part)	16.521
Conductivity (S/m)	4.733

C. SAR Surface and Volume



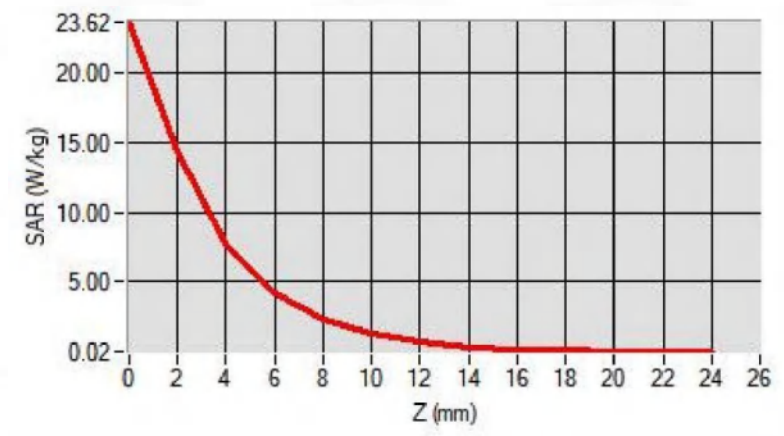
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 24.75 W/kg

D. SAR 1g & 10g

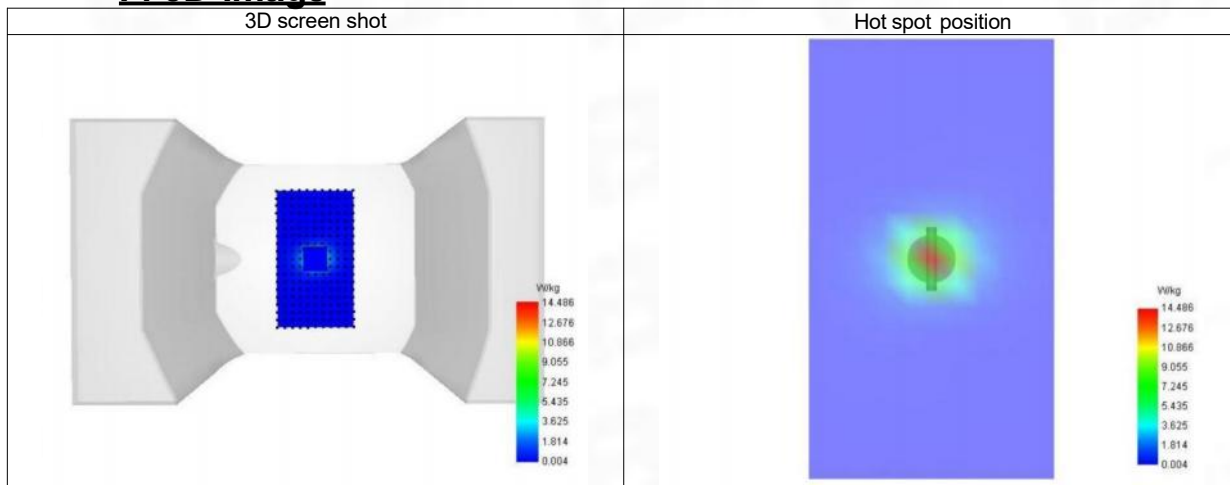
SAR 10g (W/Kg)	2.408
SAR 1g (W/Kg)	7.975
Variation (%)	-3.540
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.730409

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)	23.620	14.402	7.738	4.235	2.299	1.275	0.694	0.361	0.205	0.105	0.064	0.065



F. 3D Image



System Performance Check Data (5600 MHz)

System check at 5600 MHz

Date of measurement: 19/9/2025

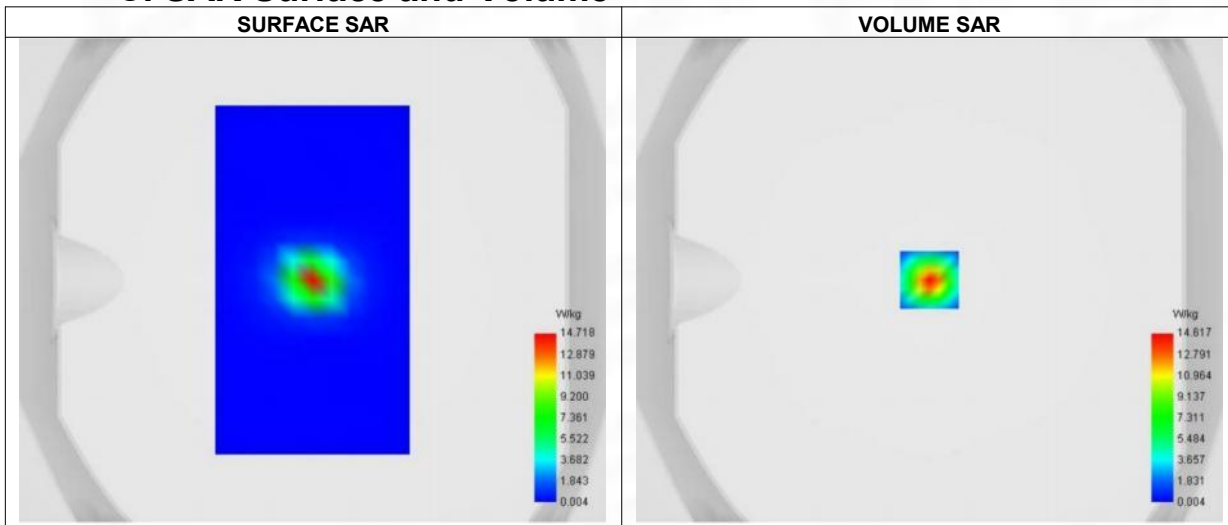
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.12
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)	35.763
Relative permittivity (imaginary part)	16.845
Conductivity (S/m)	5.244

C. SAR Surface and Volume



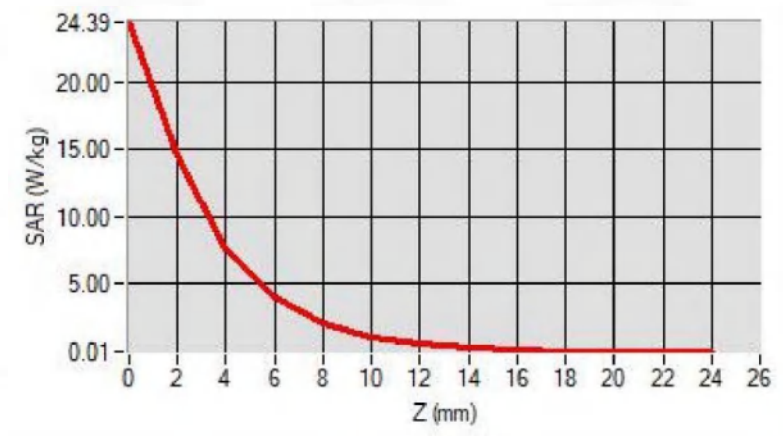
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 25.79 W/kg

D. SAR 1g & 10g

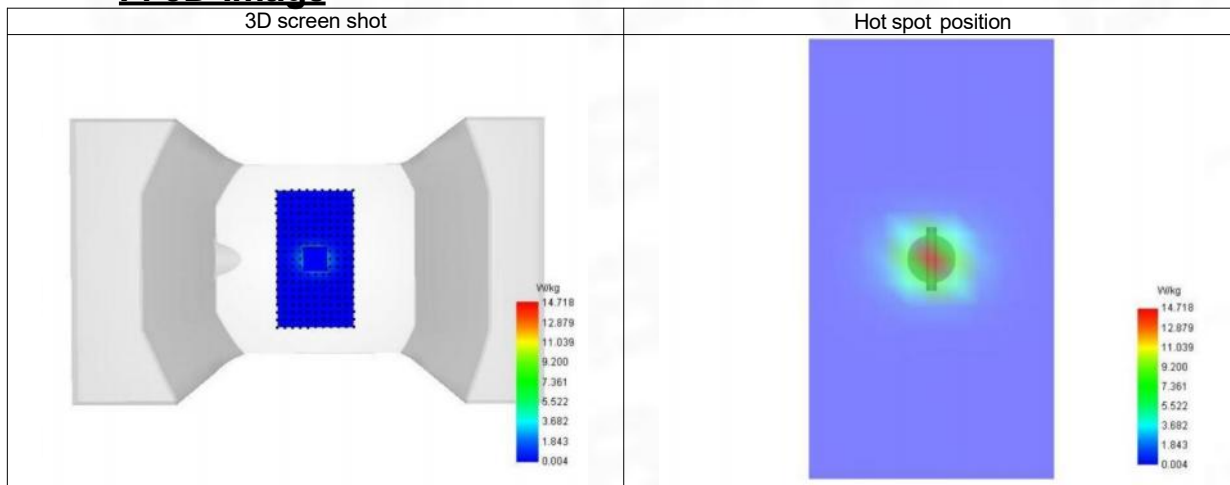
SAR 10g (W/Kg)	2.336
SAR 1g (W/Kg)	7.895
Variation (%)	-2.390
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.802819

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)	24.385	14.617	7.572	3.993	2.095	1.095	0.564	0.284	0.145	0.062	0.041	0.020



E. 3D Image



System Performance Check Data (5800 MHz)

System check at 5800 MHz

Date of measurement: 19/9/2025

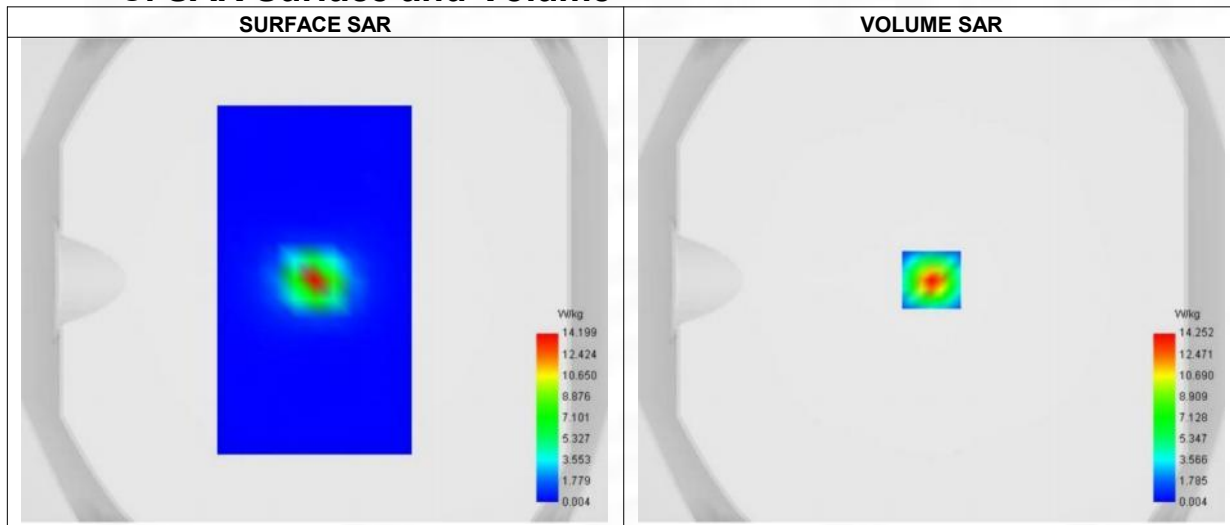
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.11
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	CW5800
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	5800.000
Relative permittivity (real part)	35.613
Relative permittivity (imaginary part)	16.347
Conductivity (S/m)	5.381

C. SAR Surface and Volume



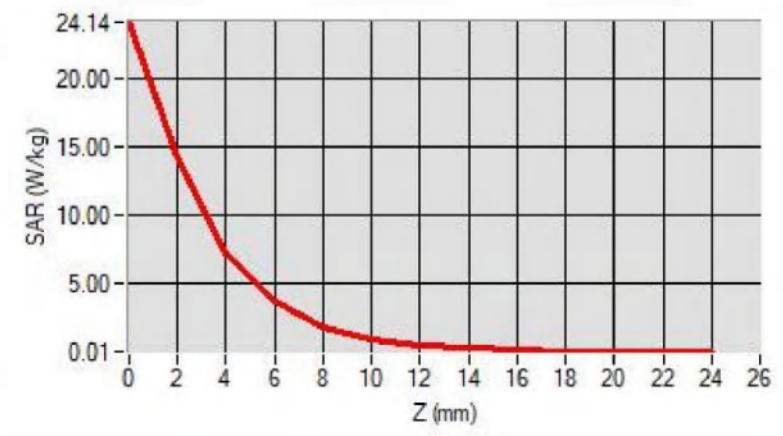
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 25.40 W/kg

D. SAR 1g & 10g

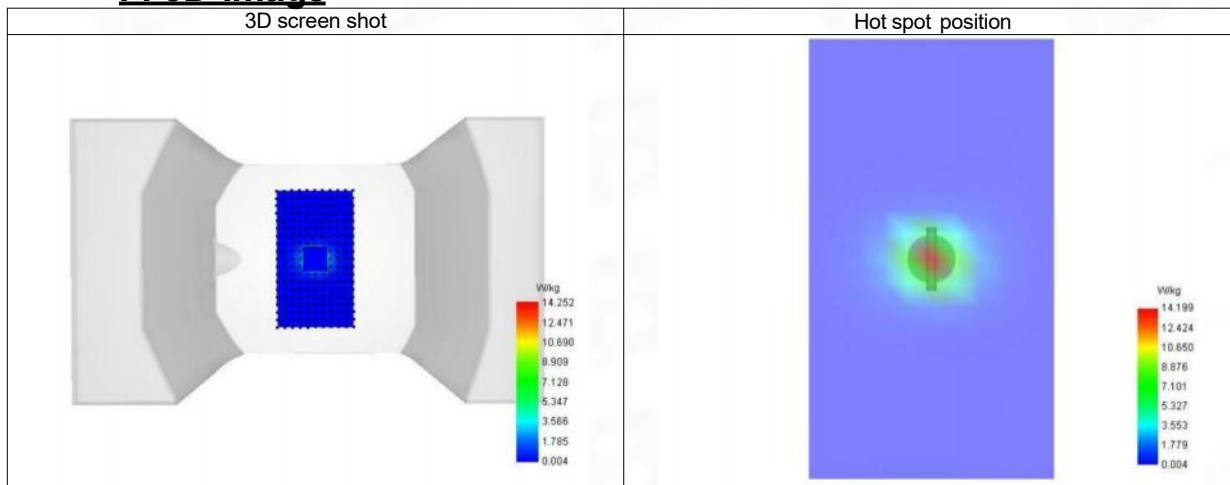
SAR 10g (W/Kg)	2.262
SAR 1g (W/Kg)	7.696
Variation (%)	-4.380
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	50.696099

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)	24.141	14.252	7.225	3.626	1.848	0.939	0.490	0.245	0.108	0.065	0.027	0.016



E. 3D Image



ANNEX C Test Data

1-Head with front position in dist. 0mm on Channel 251 in GSM850 voice

SAR Measurement at GSM850 (Cheek, Right)

Date of measurement: 11/9/2025

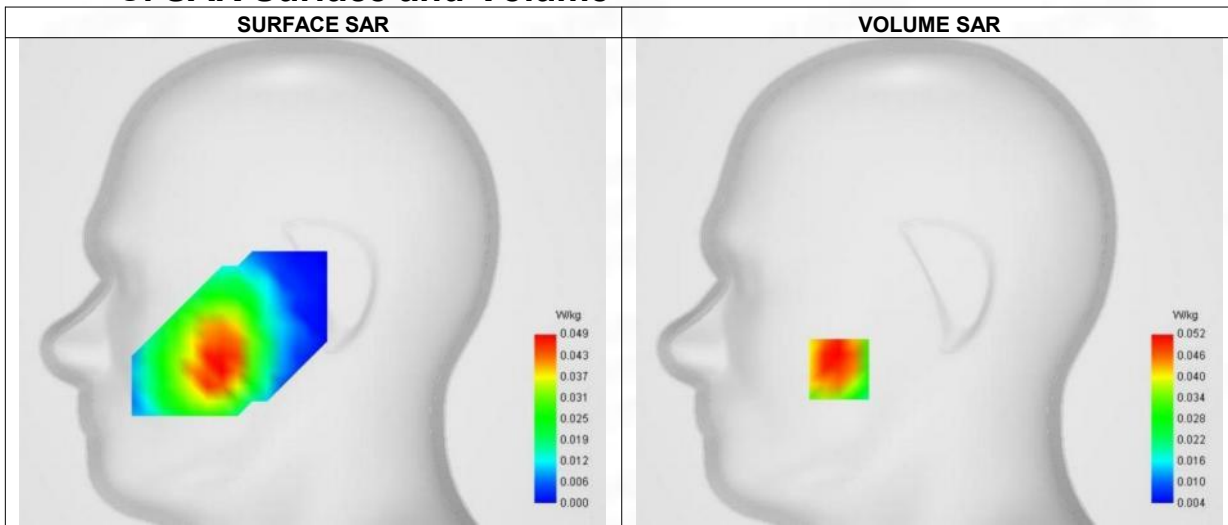
A. Experimental conditions.

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	Higher (251)/ frequency 848.800 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	848.800
Relative permittivity (real part)	41.198
Relative permittivity (imaginary part)	19.364
Conductivity (S/m)	0.918

C. SAR Surface and Volume



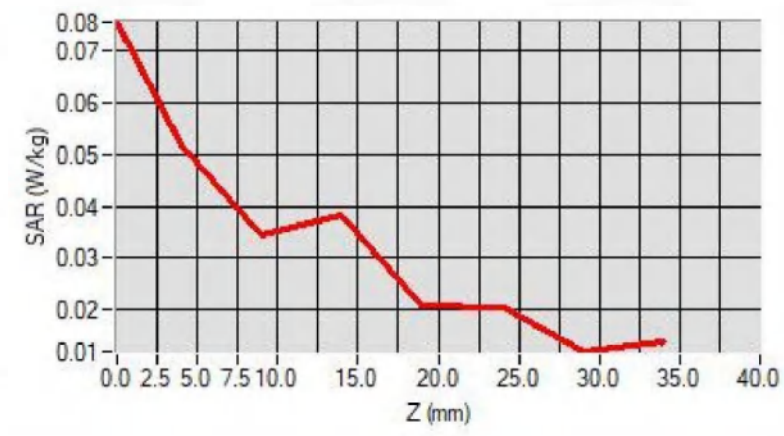
Maximum location: X=-48.00, Y=-47.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

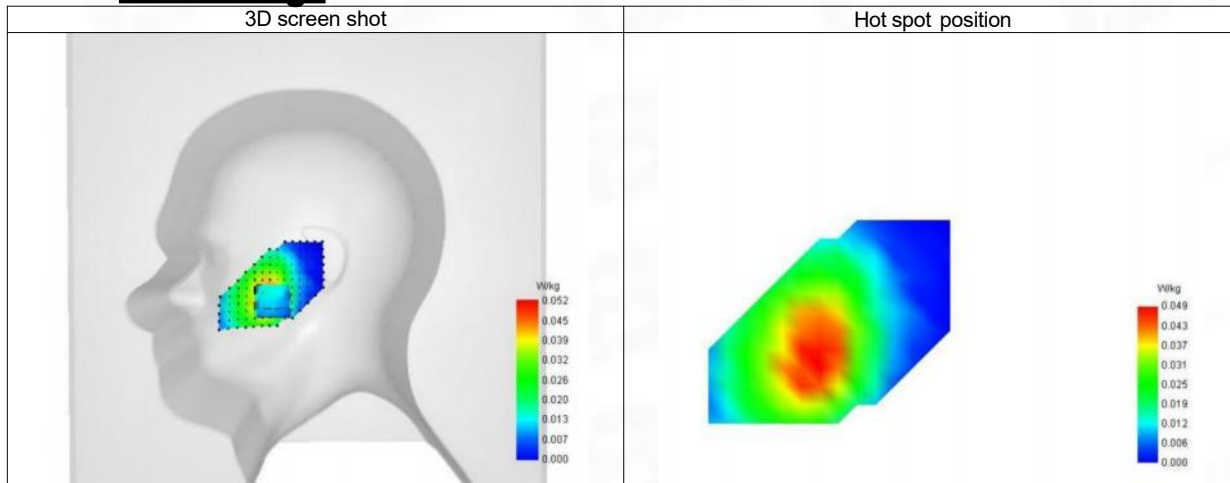
SAR 10g (W/Kg)	0.034
SAR 1g (W/Kg)	0.049
Variation (%)	-0.660
Horizontal validation criteria: minimum distance (mm)	19.140795
Vertical validation criteria: SAR ratio M2/M1 (%)	65.384615

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	0.052	0.034	0.038	0.021	0.020	0.012



F. 3D Image



2-Body with back position in dist. 10mm on Channel 251 in GPRS850+2slots

SAR Measurement at GSM850 (Body, Validation Plane)

Date of measurement: 11/9/2025

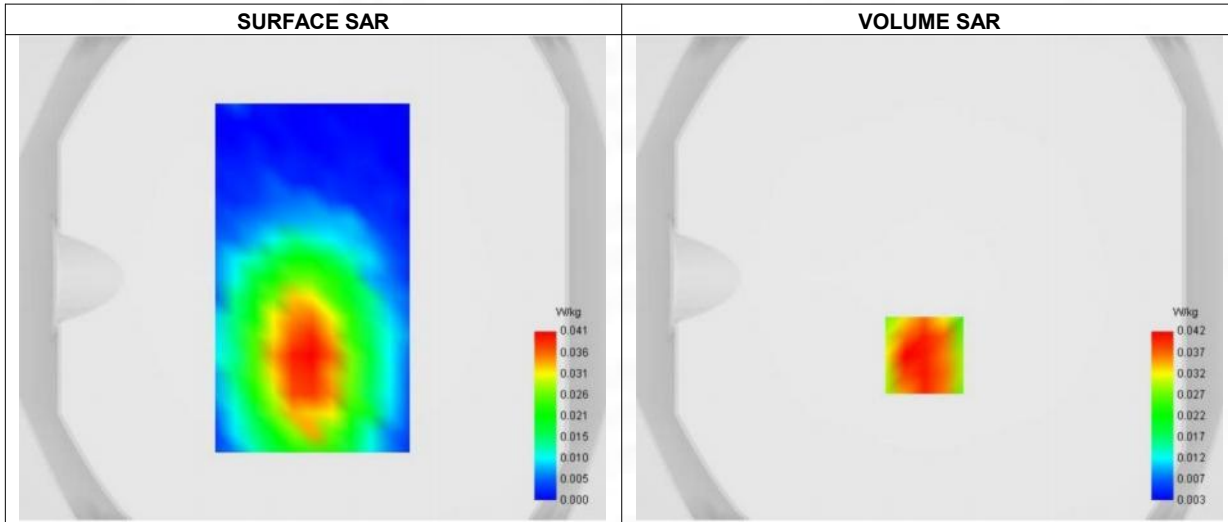
A. Experimental conditions.

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	Higher (251)/ frequency 848.800 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	848.800
Relative permittivity (real part)	41.198
Relative permittivity (imaginary part)	19.364
Conductivity (S/m)	0.918

C. SAR Surface and Volume



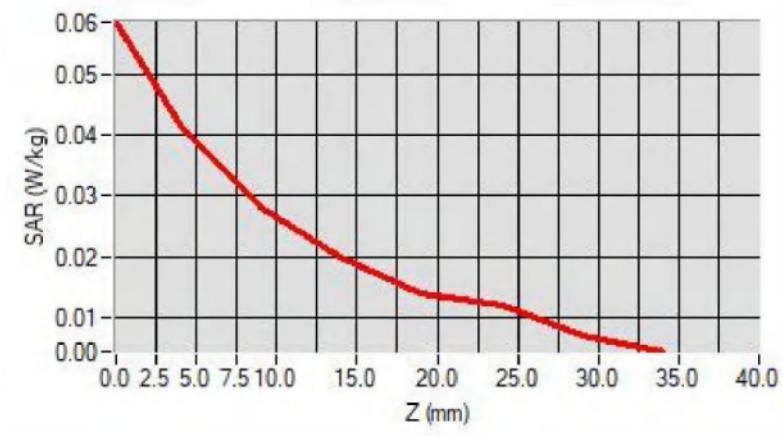
Maximum location: X=-2.00, Y=-32.00 ; SAR Peak: 0.06 W/kg

D. SAR 1g & 10g

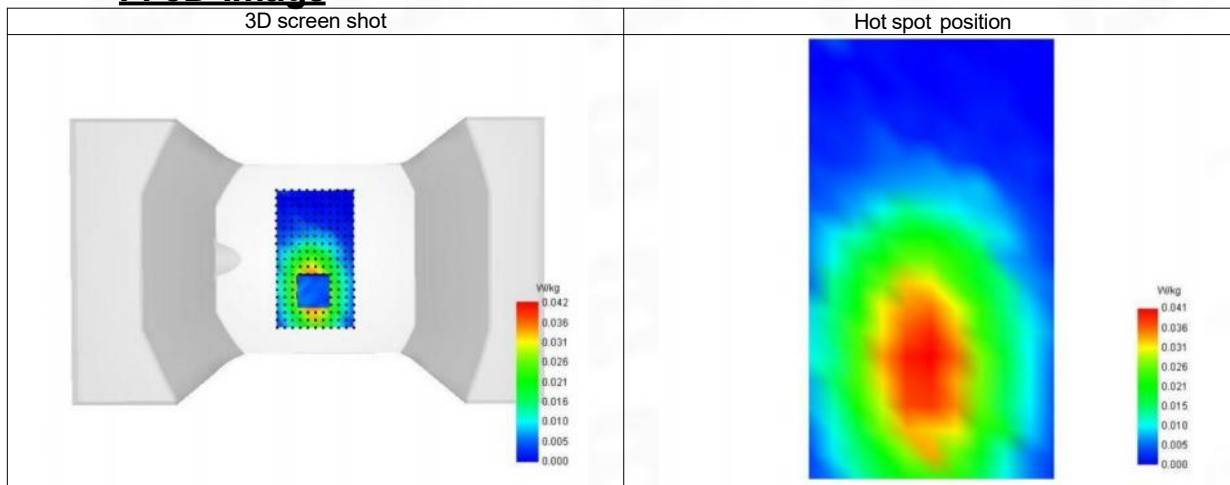
SAR 10g (W/Kg)	0.025
SAR 1g (W/Kg)	0.040
Variation (%)	-0.270
Horizontal validation criteria: minimum distance (mm)	28.844410
Vertical validation criteria: SAR ratio M2/M1 (%)	66.514332

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.059	0.042	0.028	0.020	0.014	0.012	0.007



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: 15/9/2025

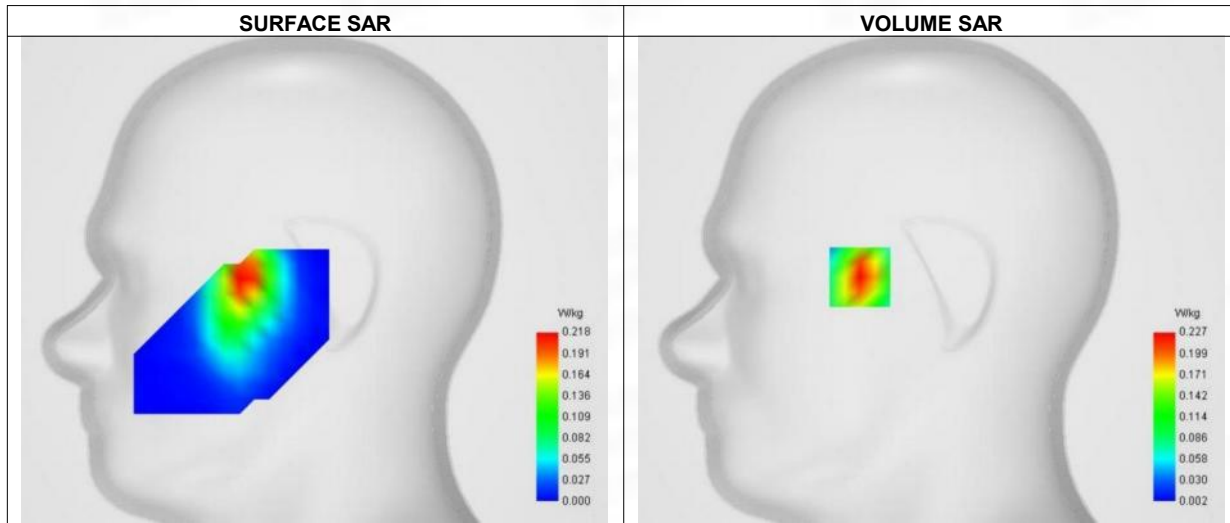
A. Experimental conditions.

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	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)	40.168
Relative permittivity (imaginary part)	14.144
Conductivity (S/m)	1.369

C. SAR Surface and Volume



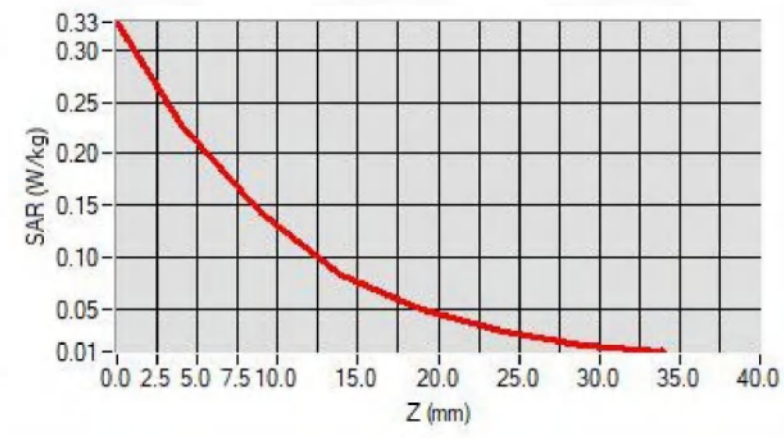
Maximum location: X=-38.00, Y=1.00 ; SAR Peak: 0.35 W/kg

D. SAR 1g & 10g

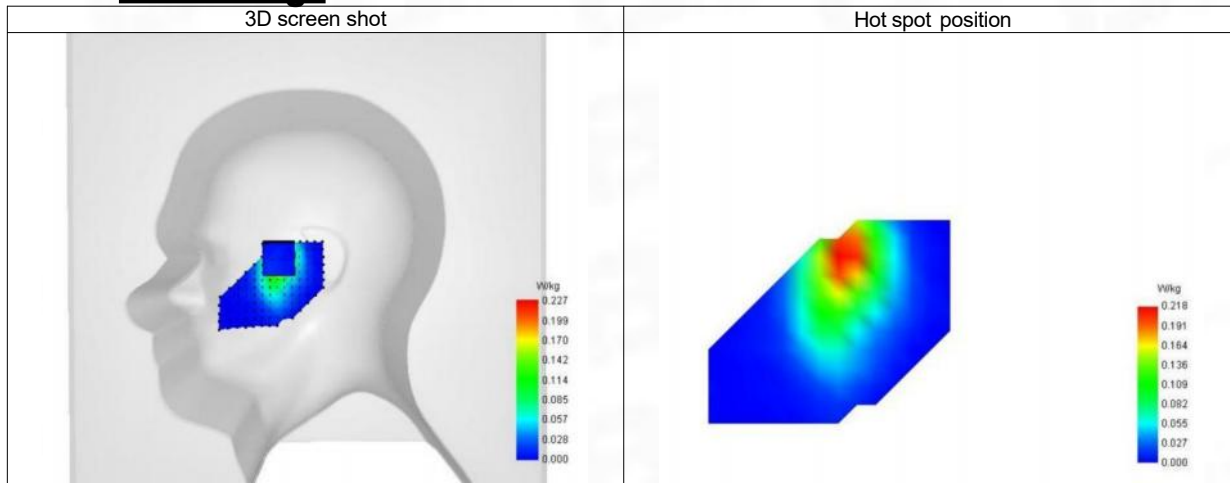
SAR 10g (W/Kg)	0.117
SAR 1g (W/Kg)	0.213
Variation (%)	-3.470
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.538723

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.327	0.227	0.142	0.083	0.050	0.029	0.014



F. 3D Image



4-Body with front position in dist. 10mm on Channel 512 in GPRS1900+2slots

SAR Measurement at GSM1900 (Body, Validation Plane)

Date of measurement: 15/9/2025

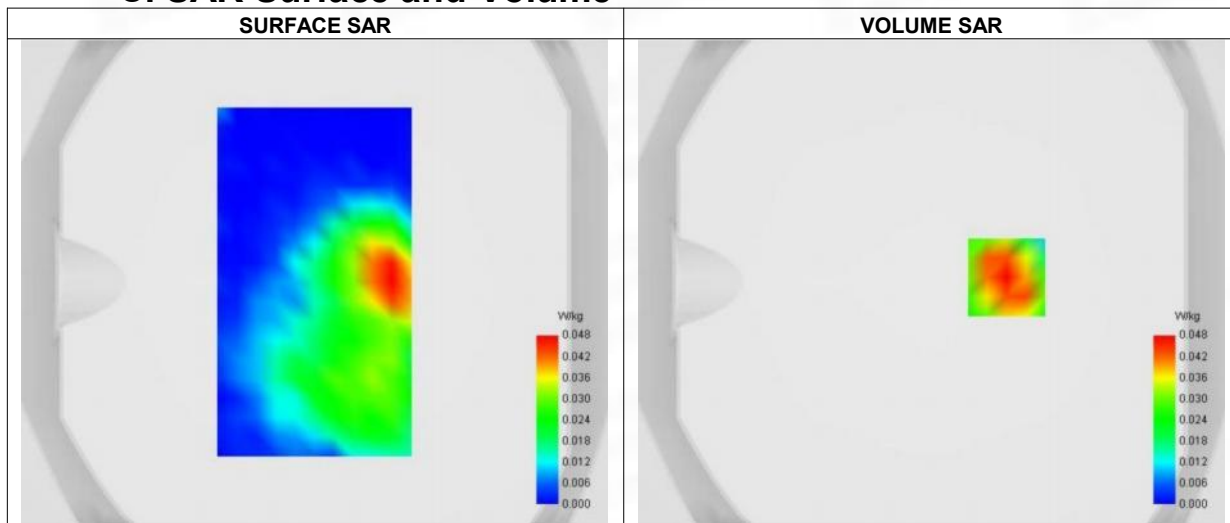
A. Experimental conditions.

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	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)	40.168
Relative permittivity (imaginary part)	14.144
Conductivity (S/m)	1.369

C. SAR Surface and Volume



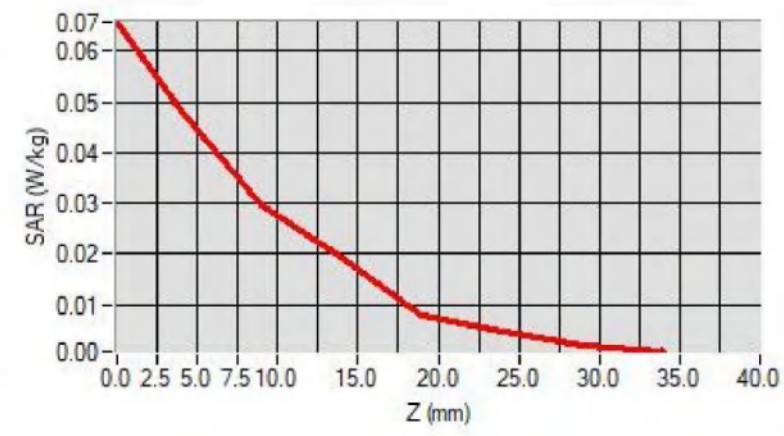
Maximum location: X=31.00, Y=2.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

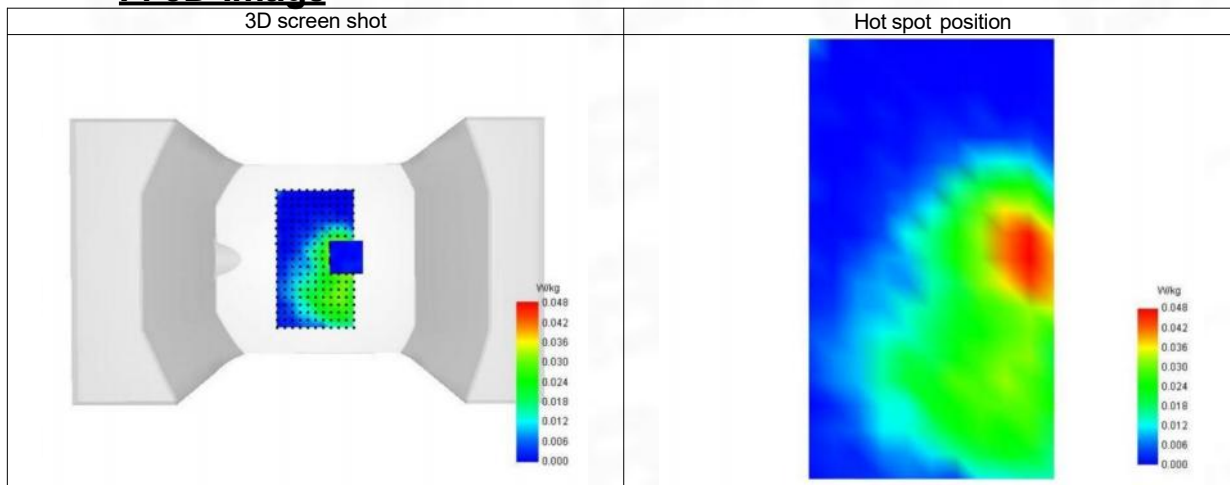
SAR 10g (W/Kg)	0.025
SAR 1g (W/Kg)	0.044
Variation (%)	-2.490
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	61.601819

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	0.048	0.030	0.019	0.008	0.005	0.002



F. 3D Image



5-Head with front position in dist. 0mm on Channel 9262 in WCDMA Band 2

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

Date of measurement: 15/9/2025

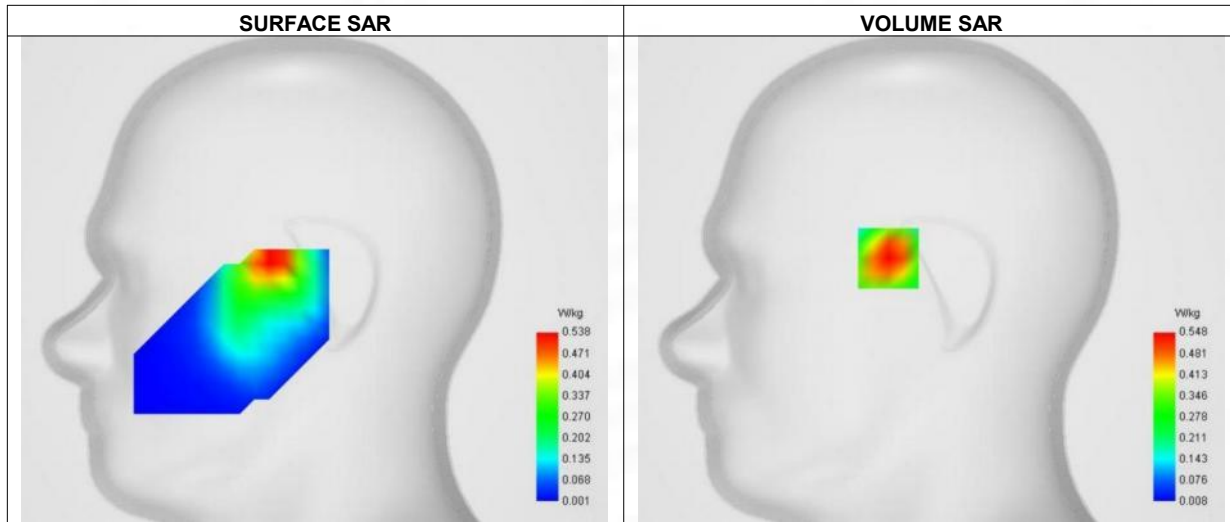
A. Experimental conditions.

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	Band 2 (1900)
Channels/Frequency	Lower (9262)/ frequency 1852.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1852.400
Relative permittivity (real part)	40.167
Relative permittivity (imaginary part)	14.120
Conductivity (S/m)	1.370

C. SAR Surface and Volume



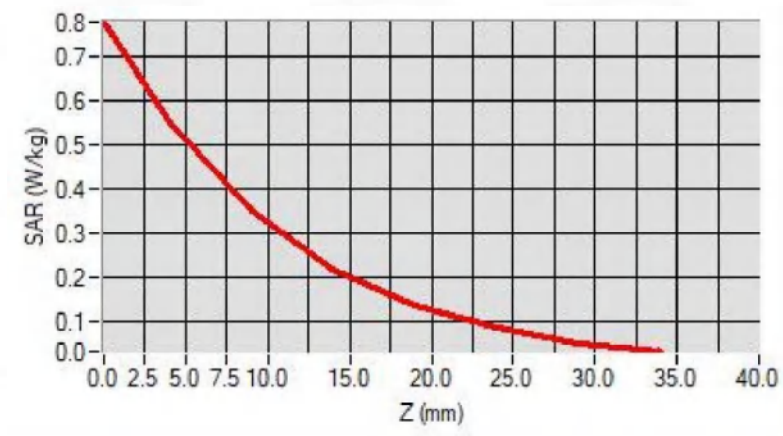
Maximum location: X=-23.00, Y=11.00 ; SAR Peak: 0.81 W/kg

D. SAR 1g & 10g

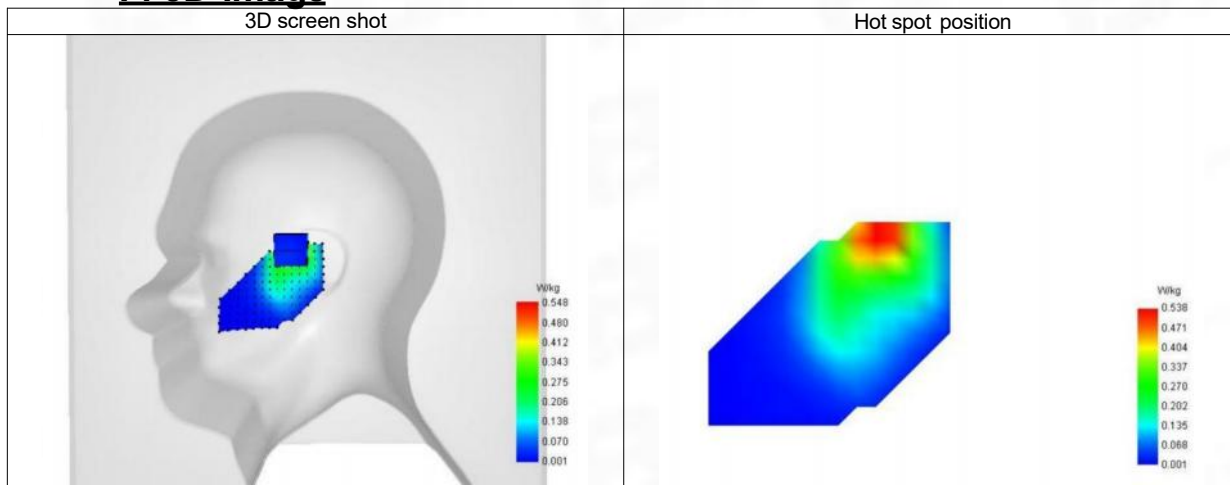
SAR 10g (W/Kg)	0.304
SAR 1g (W/Kg)	0.523
Variation (%)	-2.880
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	63.709213

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.776	0.548	0.349	0.219	0.136	0.085	0.051



F. 3D Image



6-Body with front position in dist. 10mm on Channel 9262 in WCDMA Band 2

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

Date of measurement: 15/9/2025

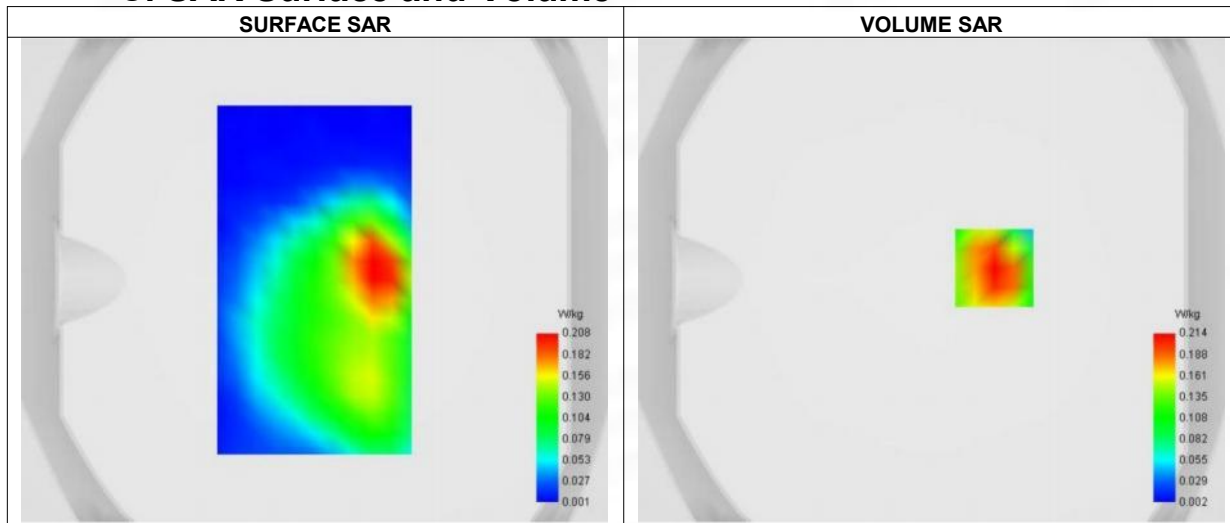
A. Experimental conditions.

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	Band 2 (1900)
Channels/Frequency	Lower (9262)/ frequency 1852.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1852.400
Relative permittivity (real part)	40.167
Relative permittivity (imaginary part)	14.120
Conductivity (S/m)	1.370

C. SAR Surface and Volume



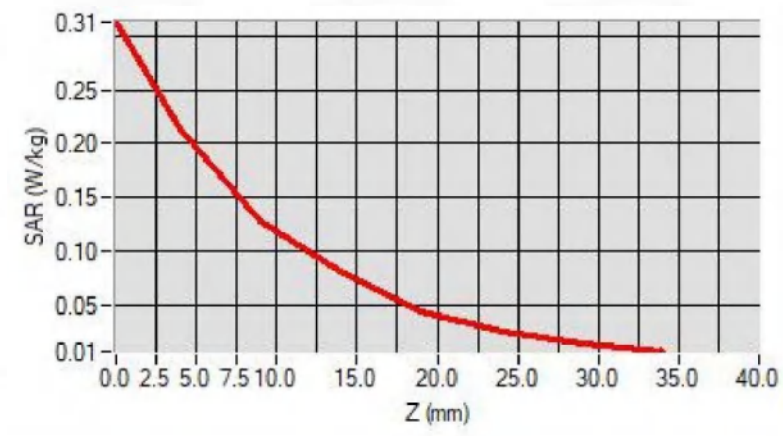
Maximum location: X=26.00, Y=5.00 ; SAR Peak: 0.32 W/kg

D. SAR 1g & 10g

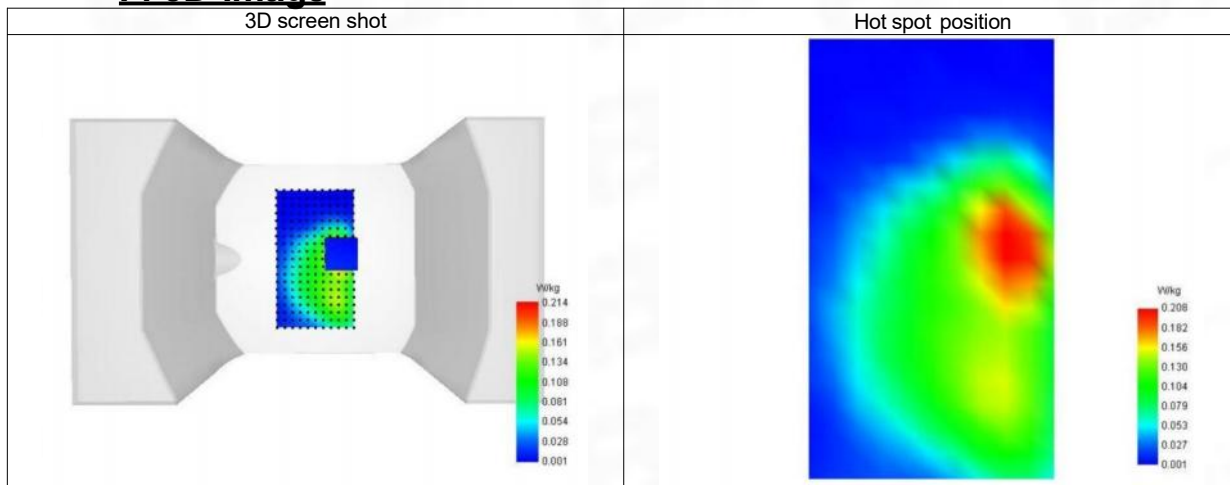
SAR 10g (W/Kg)	0.115
SAR 1g (W/Kg)	0.203
Variation (%)	-2.970
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	60.135698

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.313	0.214	0.129	0.082	0.045	0.026	0.015



F. 3D Image



7-Head with front position in dist. 0mm on Channel 1513 in WCDMA Band 4

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

Date of measurement: 13/9/2025

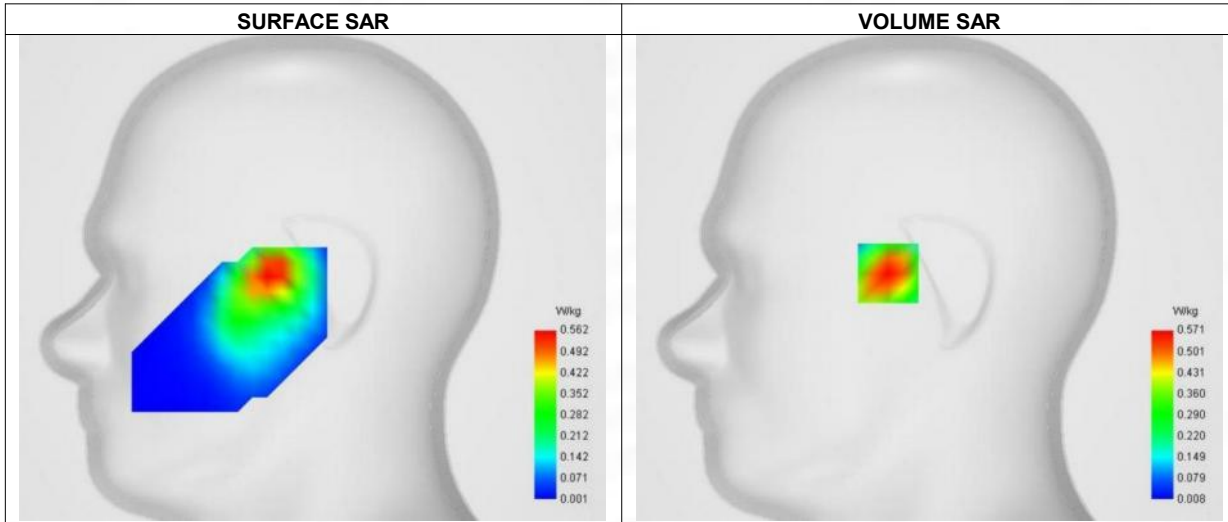
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Higher (1513)/ frequency 1752.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1752.600
Relative permittivity (real part)	40.178
Relative permittivity (imaginary part)	15.115
Conductivity (S/m)	1.340

C. SAR Surface and Volume



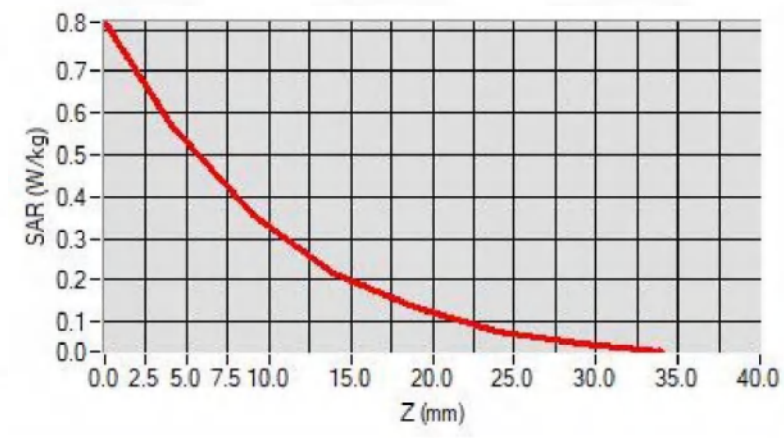
Maximum location: X=-22.00, Y=2.00 ; SAR Peak: 0.86 W/kg

D. SAR 1g & 10g

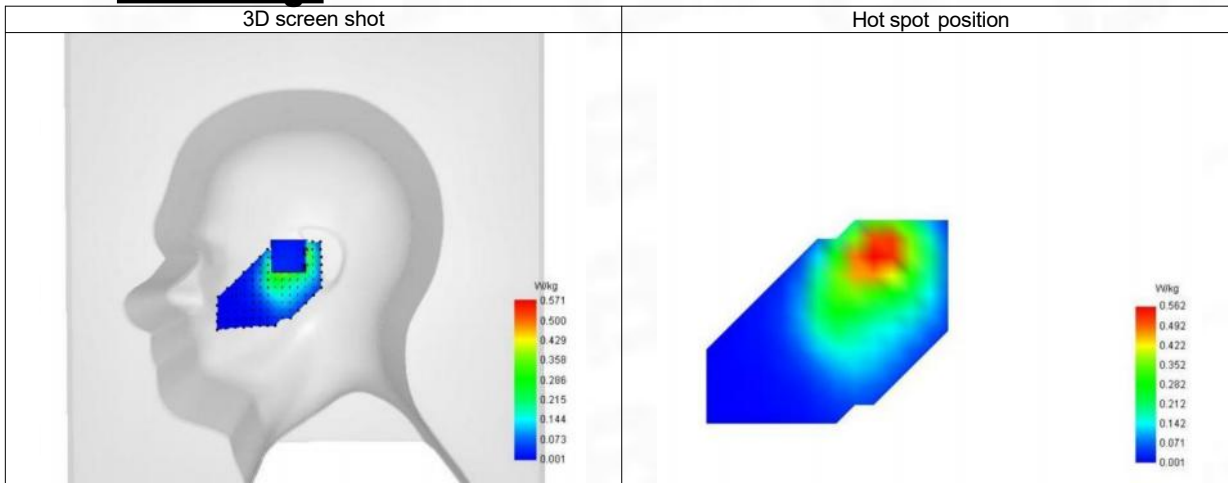
SAR 10g (W/Kg)	0.305
SAR 1g (W/Kg)	0.540
Variation (%)	-2.030
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	62.411831

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.817	0.571	0.357	0.218	0.134	0.079	0.050



F. 3D Image



8-Body with back position in dist. 10mm on Channel 1513 in WCDMA Band 4

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

Date of measurement: 13/9/2025

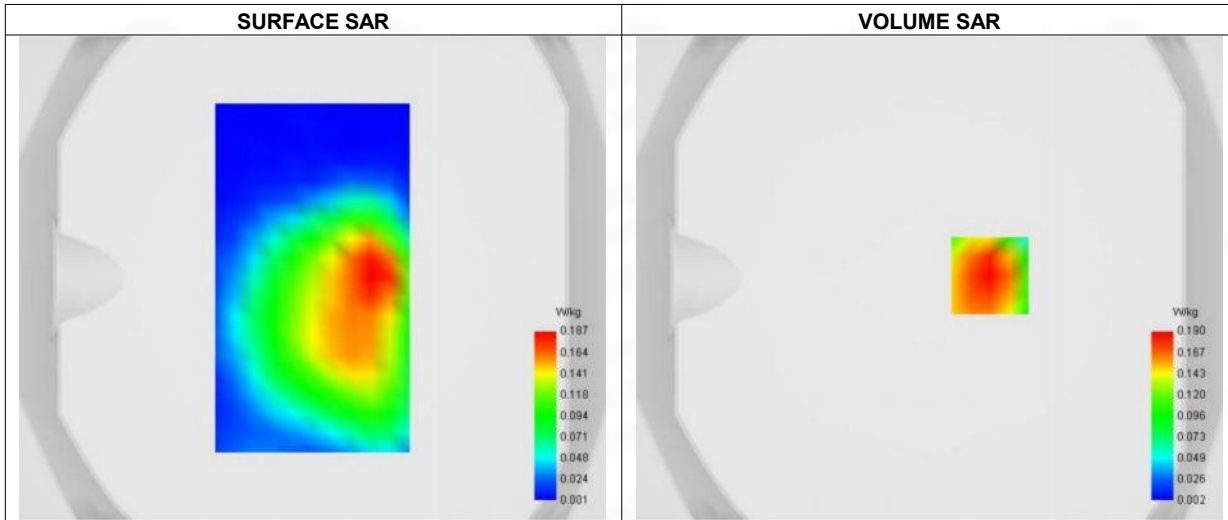
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Higher (1513)/ frequency 1752.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1752.600
Relative permittivity (real part)	40.178
Relative permittivity (imaginary part)	15.115
Conductivity (S/m)	1.340

C. SAR Surface and Volume



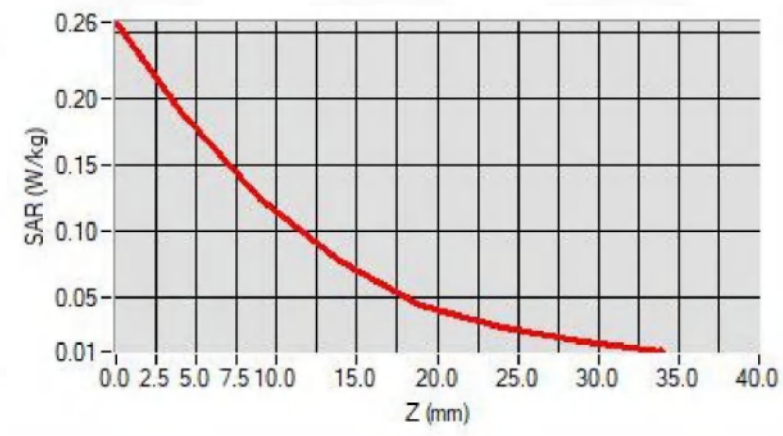
Maximum location: X=25.00, Y=1.00 ; SAR Peak: 0.27 W/kg

D. SAR 1g & 10g

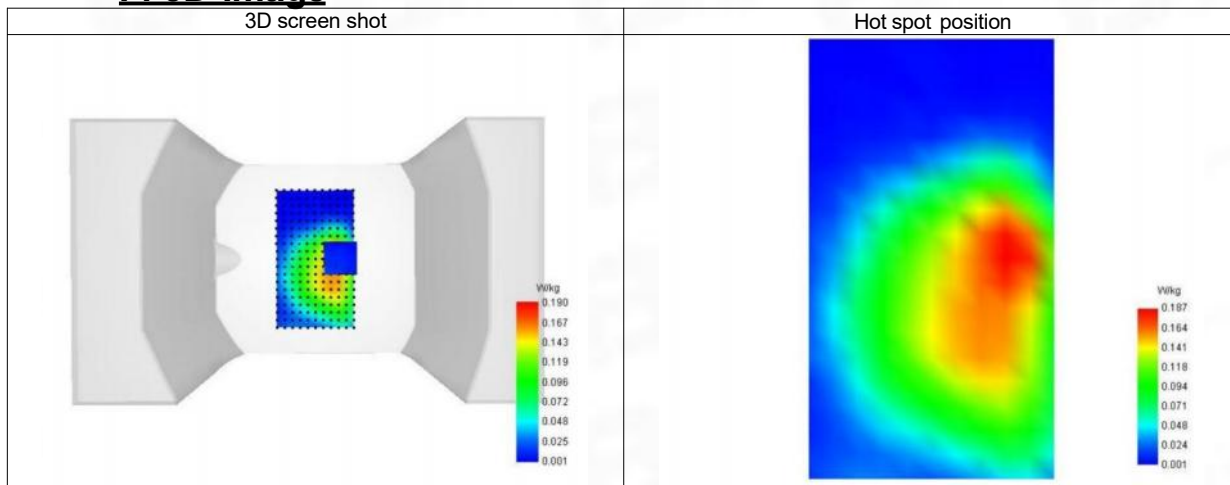
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.179
Variation (%)	-3.330
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	64.949318

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.257	0.190	0.124	0.077	0.044	0.027	0.017



F. 3D Image



9-Head with front position in dist. 0mm on Channel 4183 in WCDMA Band 5

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

Date of measurement: 11/9/2025

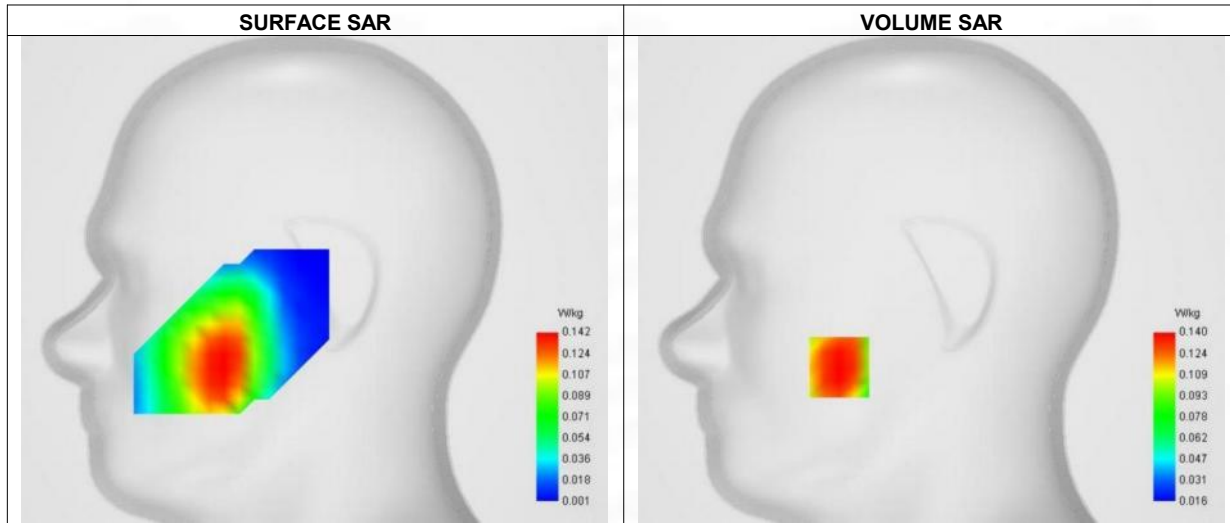
A. Experimental conditions.

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	Middle (4183)/ frequency 836.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.600
Relative permittivity (real part)	41.211
Relative permittivity (imaginary part)	19.424
Conductivity (S/m)	0.913

C. SAR Surface and Volume



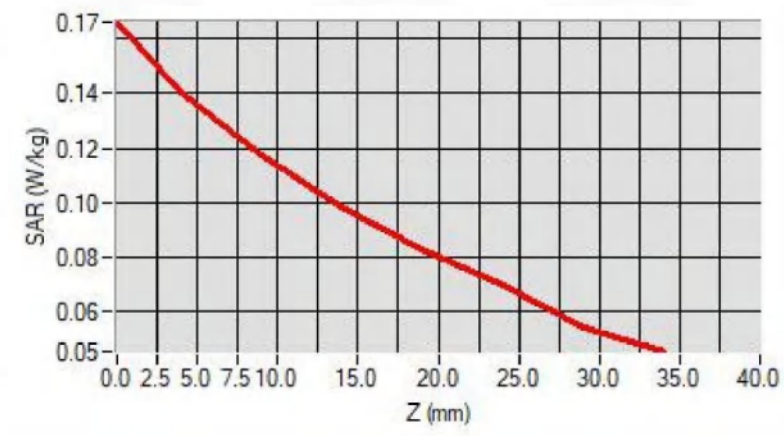
Maximum location: X=-49.00, Y=-47.00 ; SAR Peak: 0.17 W/kg

D. SAR 1g & 10g

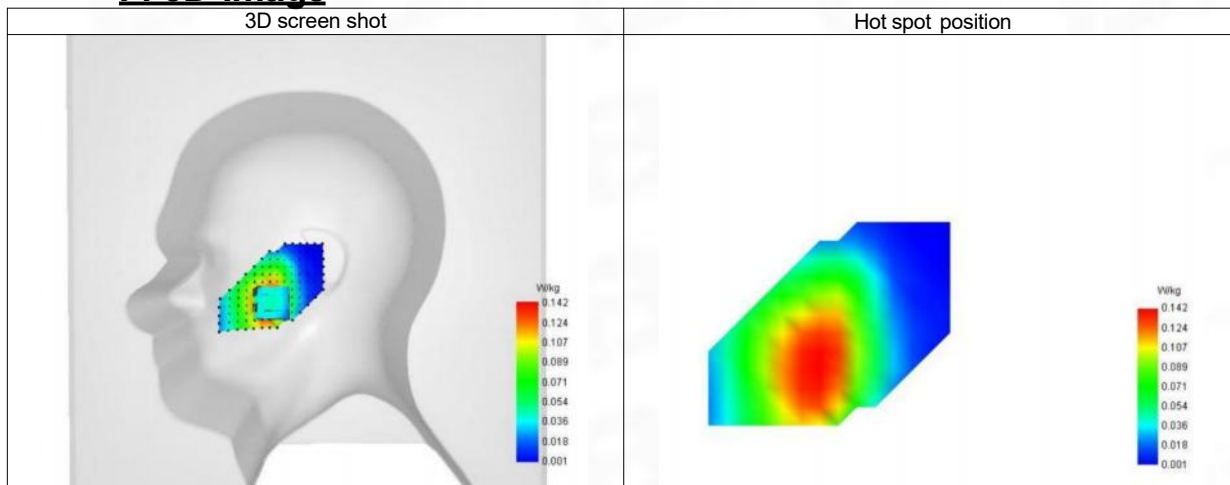
SAR 10g (W/Kg)	0.106
SAR 1g (W/Kg)	0.138
Variation (%)	-2.390
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	83.754698

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.166	0.140	0.117	0.098	0.083	0.070	0.054



F. 3D Image



10-Body with back position in dist. 10mm on Channel 4183 in WCDMA Band 5

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

Date of measurement: 11/9/2025

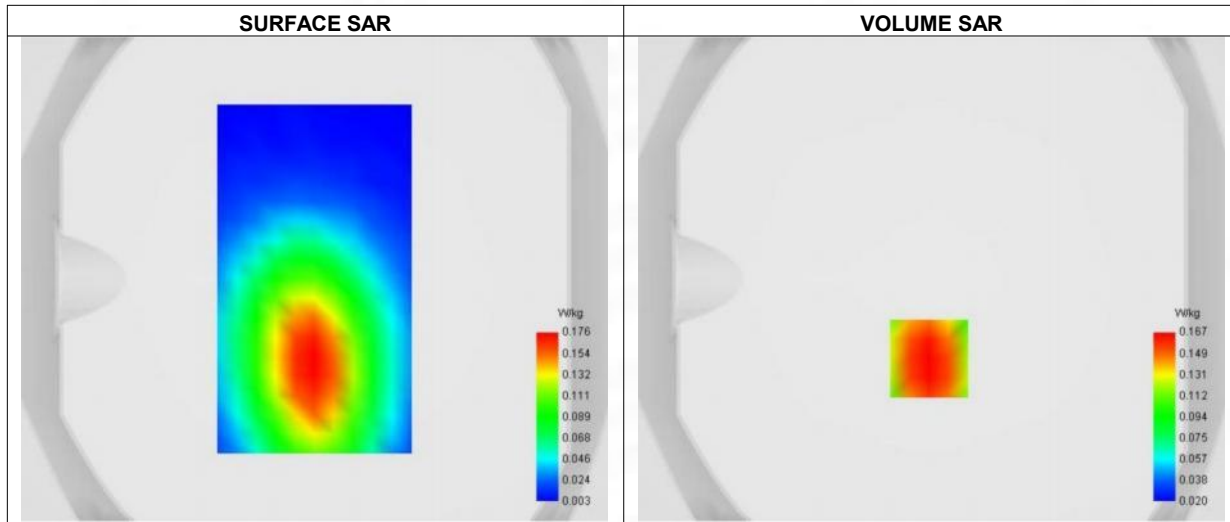
A. Experimental conditions.

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	Middle (4183)/ frequency 836.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	836.600
Relative permittivity (real part)	41.211
Relative permittivity (imaginary part)	19.424
Conductivity (S/m)	0.913

C. SAR Surface and Volume



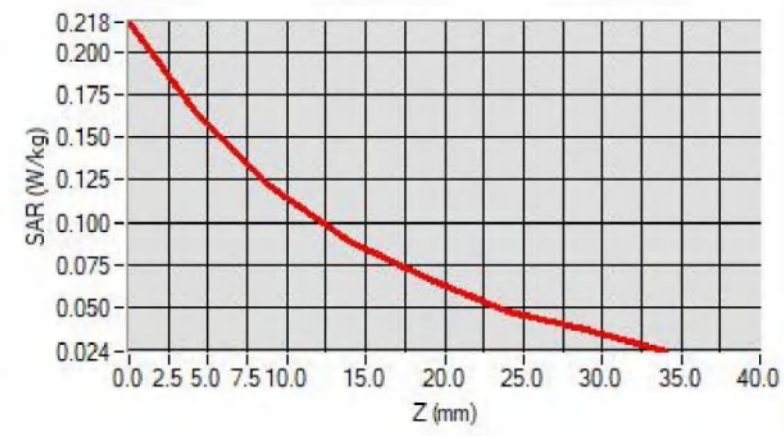
Maximum location: X=-1.00, Y=-33.00 ; SAR Peak: 0.22 W/kg

D. SAR 1g & 10g

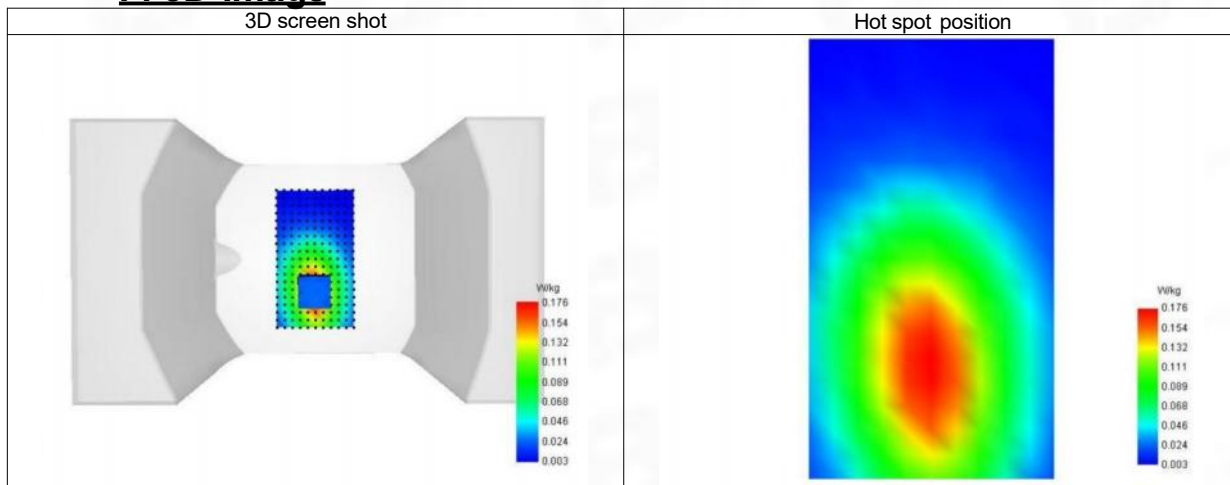
SAR 10g (W/Kg)	0.112
SAR 1g (W/Kg)	0.161
Variation (%)	-0.940
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	71.895384

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.218	0.167	0.120	0.089	0.067	0.048	0.037



E. 3D Image



11-Head with front position in dist. 10mm on Channel 18700 in LTE band 2

SAR Measurement at LTE band 2 (Cheek, Right)

Date of measurement: 15/9/2025

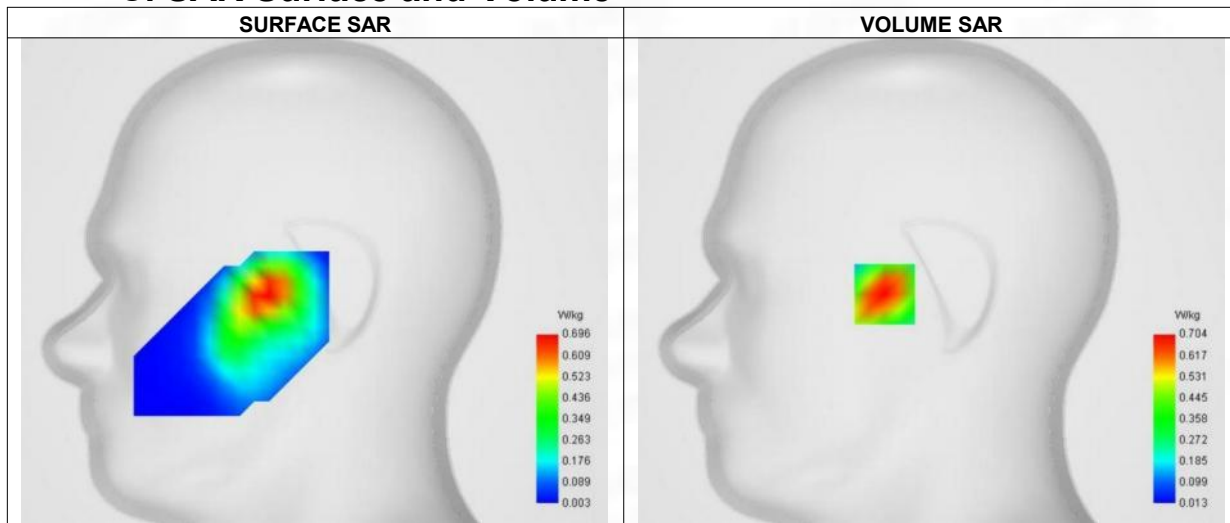
A. Experimental conditions.

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	LTE band 2
Channels/Frequency	Lower (18700)/ frequency 1860.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1860.090
Relative permittivity (real part)	40.166
Relative permittivity (imaginary part)	14.043
Conductivity (S/m)	1.372

C. SAR Surface and Volume



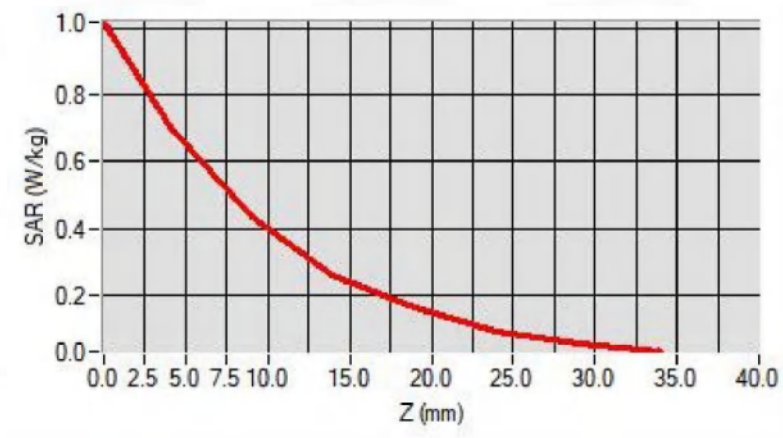
Maximum location: X=-25.00, Y=-7.00 ; SAR Peak: 1.06 W/kg

D. SAR 1g & 10g

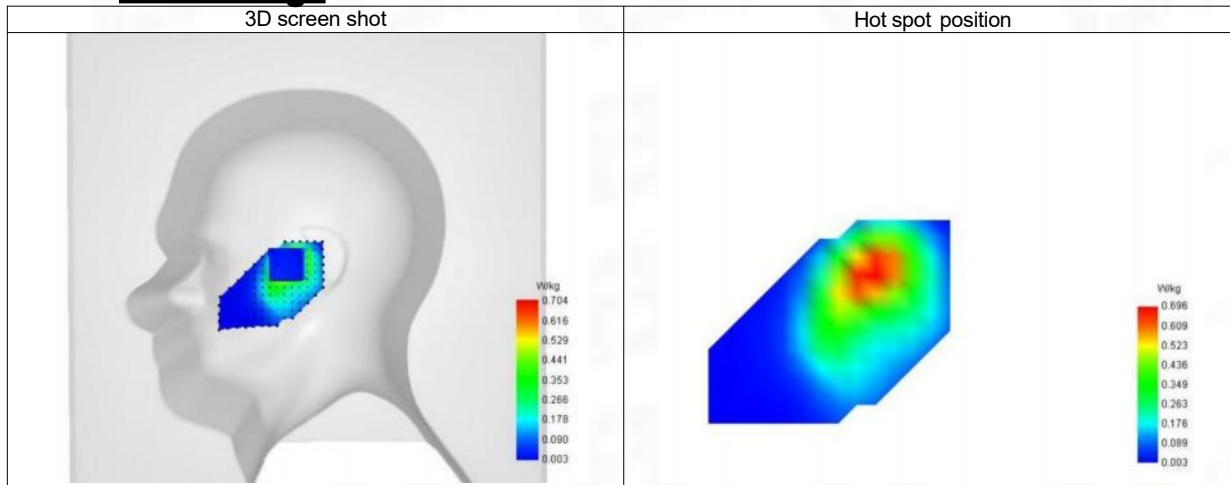
SAR 10g (W/Kg)	0.378
SAR 1g (W/Kg)	0.667
Variation (%)	-0.230
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	62.178669

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.015	0.704	0.438	0.264	0.163	0.096	0.058



E. 3D Image



12-Body with front position in dist. 10mm on Channel 18700 in LTE band 2

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

Date of measurement: 15/9/2025

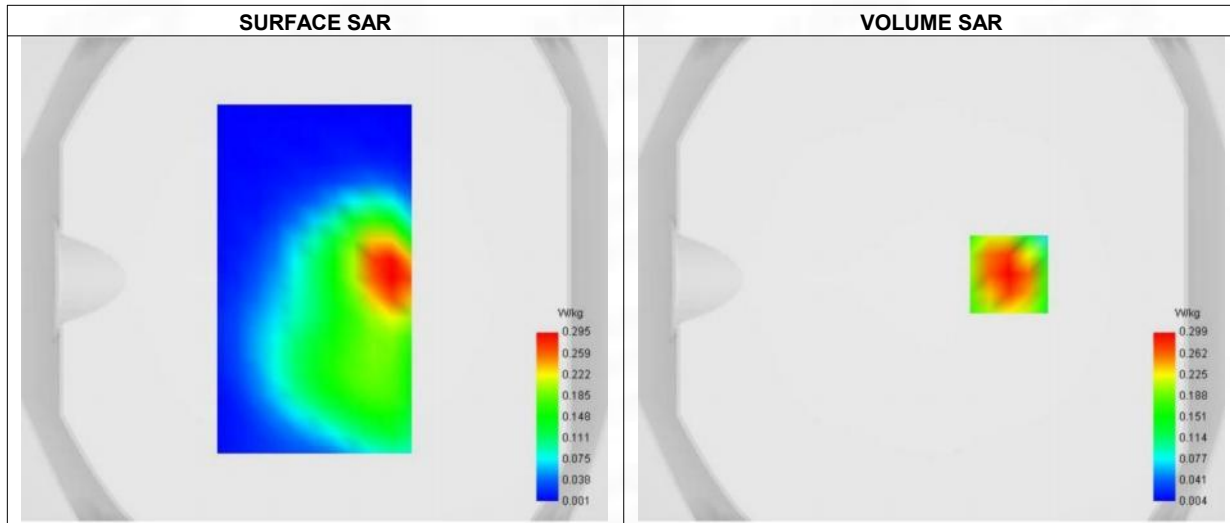
A. Experimental conditions.

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	LTE band 2
Channels/Frequency	Lower (18700)/ frequency 1860.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1860.090
Relative permittivity (real part)	40.166
Relative permittivity (imaginary part)	14.043
Conductivity (S/m)	1.372

C. SAR Surface and Volume



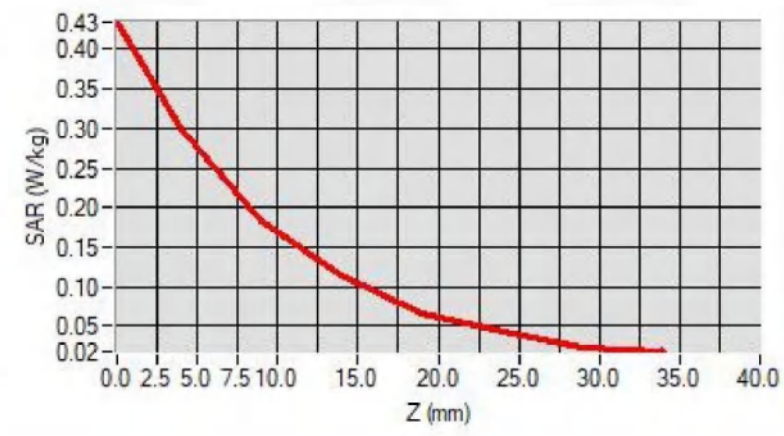
Maximum location: X=32.00, Y=2.00 ; SAR Peak: 0.44 W/kg

D. SAR 1g & 10g

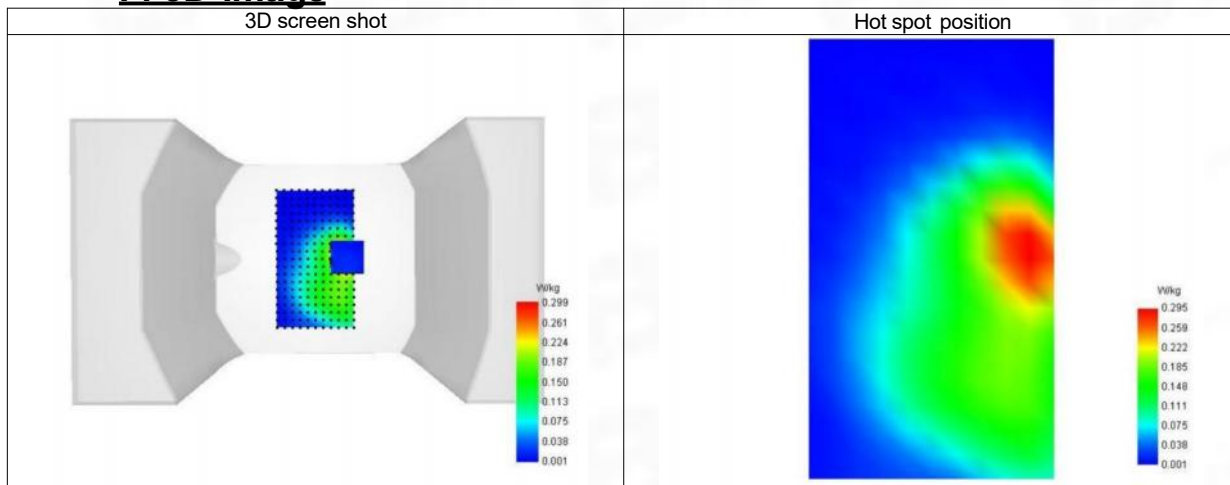
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.284
Variation (%)	-1.710
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	61.300251

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.434	0.299	0.183	0.115	0.066	0.043	0.024



E. 3D Image



13-Head with front position in dist. 0mm on Channel 20175 in LTE band 4

SAR Measurement at LTE band 4 (Cheek, Right)

Date of measurement: 13/9/2025

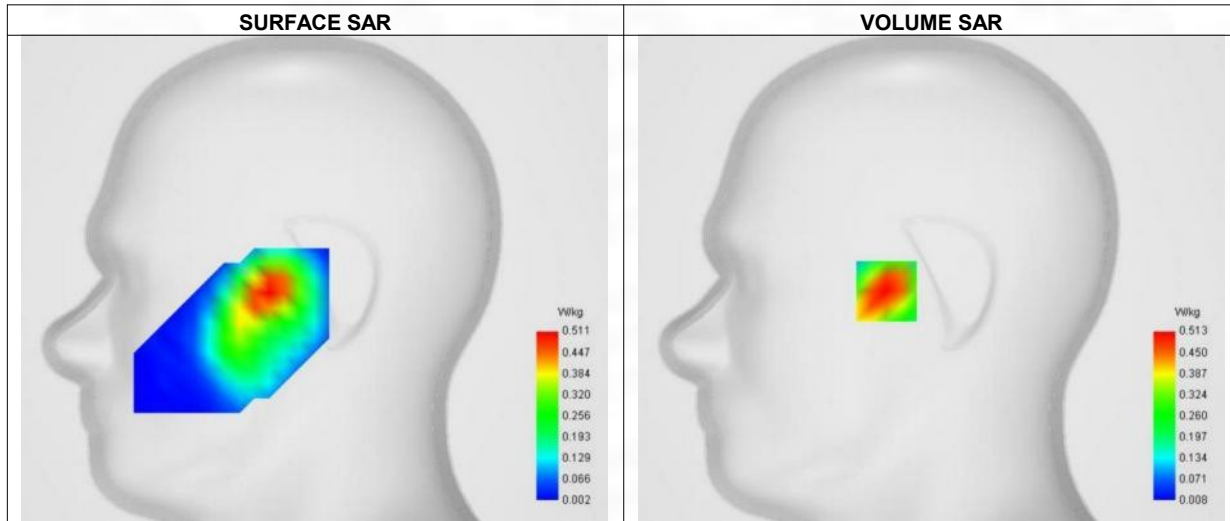
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Middle (20175)/ frequency 1732.500 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1732.590
Relative permittivity (real part)	40.180
Relative permittivity (imaginary part)	15.314
Conductivity (S/m)	1.334

C. SAR Surface and Volume



Maximum location: X=-24.00, Y=-7.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.278
SAR 1g (W/Kg)	0.487
Variation (%)	-3.550
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	62.619941

E. Z Axis Scan

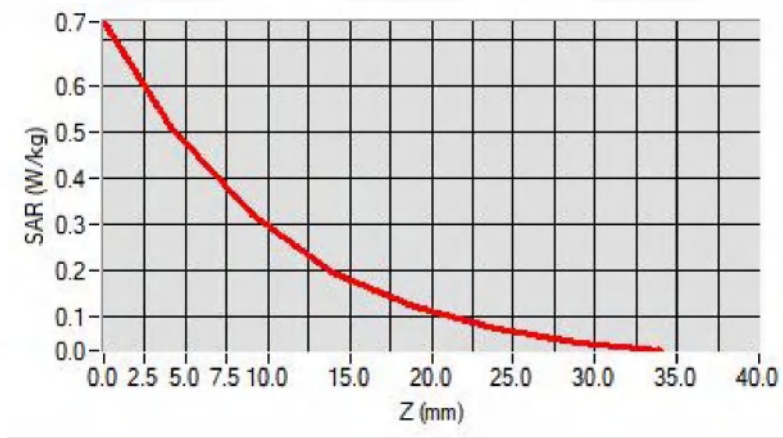
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.737	0.513	0.321	0.197	0.125	0.074	0.047

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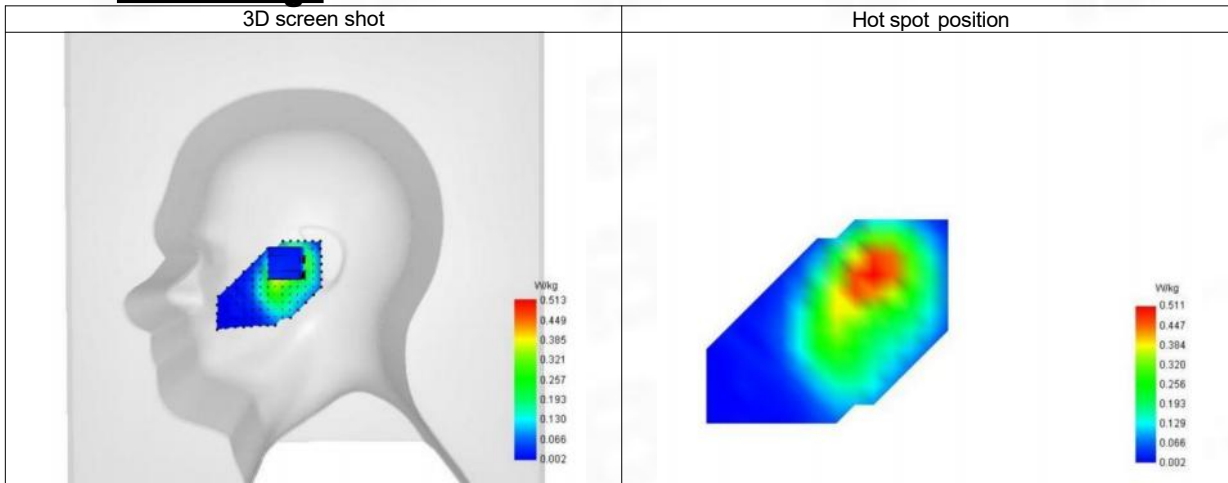
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BTF Testing Lab (Shenzhen) Co., Ltd.

101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China



F. 3D Image



14-Body with front position in dist. 10mm on Channel 20175 in LTE band 4

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

Date of measurement: 13/9/2025

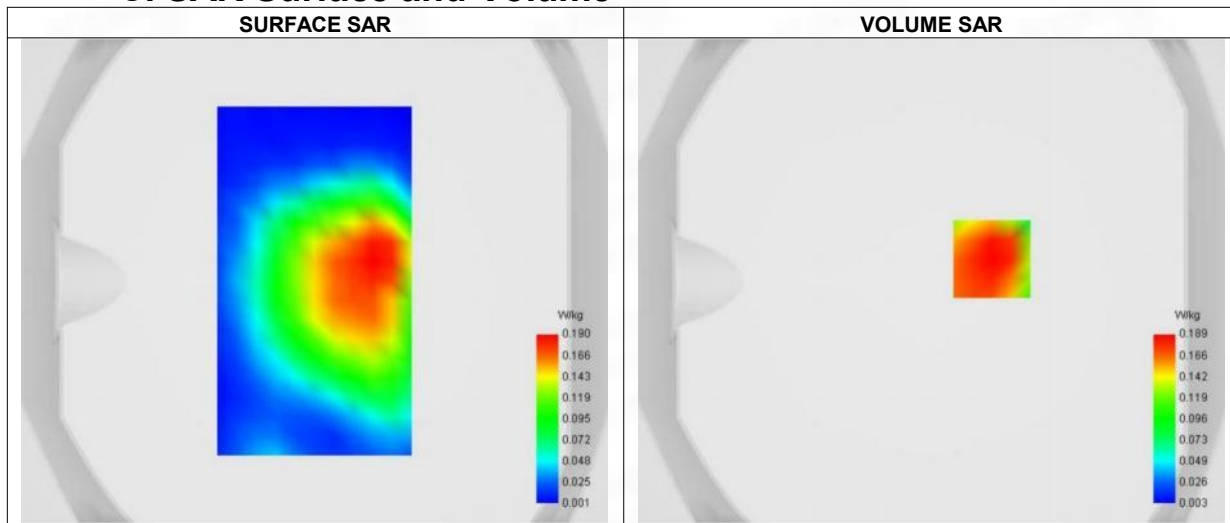
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Middle (20175)/ frequency 1732.500 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1732.590
Relative permittivity (real part)	40.180
Relative permittivity (imaginary part)	15.314
Conductivity (S/m)	1.334

C. SAR Surface and Volume

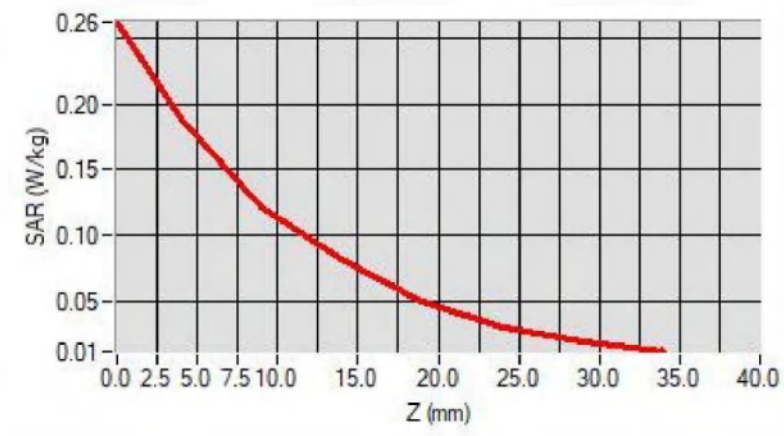


D. SAR 1g & 10g

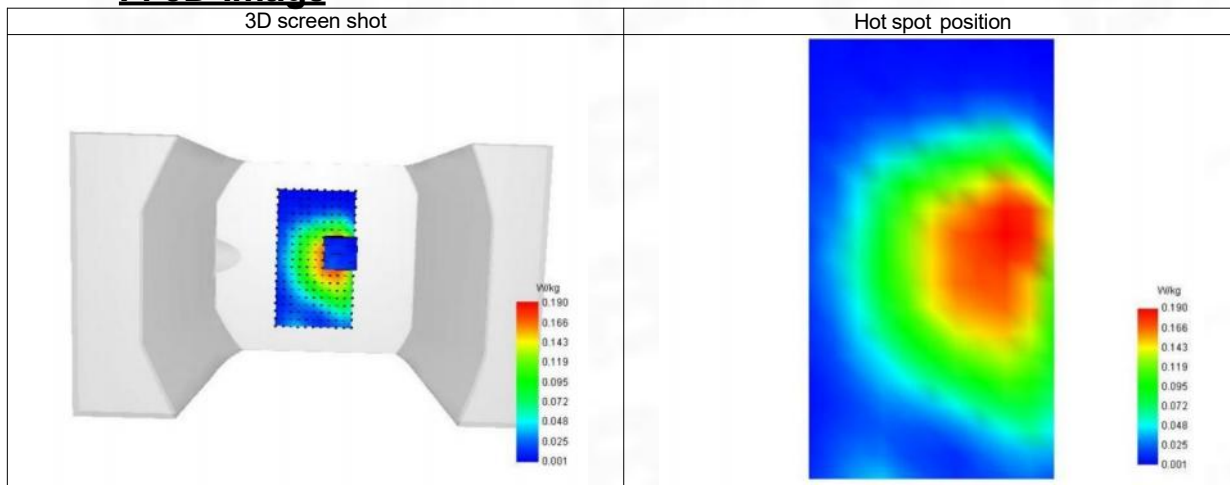
SAR 10g (W/Kg)	0.112
SAR 1g (W/Kg)	0.184
Variation (%)	3.520
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	64.584383

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.262	0.189	0.122	0.082	0.050	0.030	0.020



E. 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: 11/9/2025

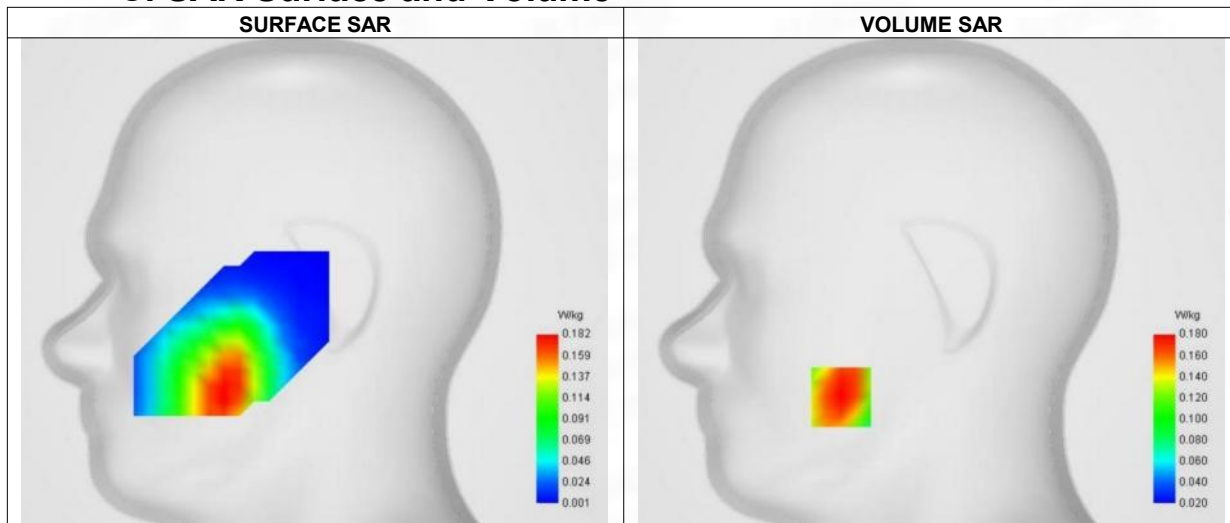
A. Experimental conditions.

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)	41.219
Relative permittivity (imaginary part)	19.461
Conductivity (S/m)	0.909

C. SAR Surface and Volume



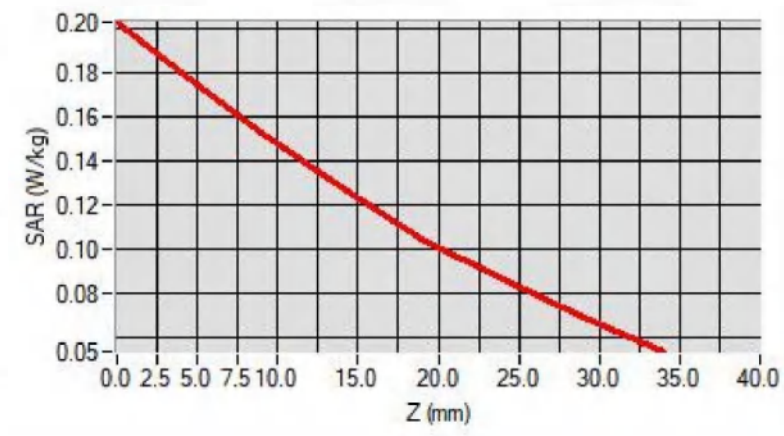
Maximum location: X=-48.00, Y=-62.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

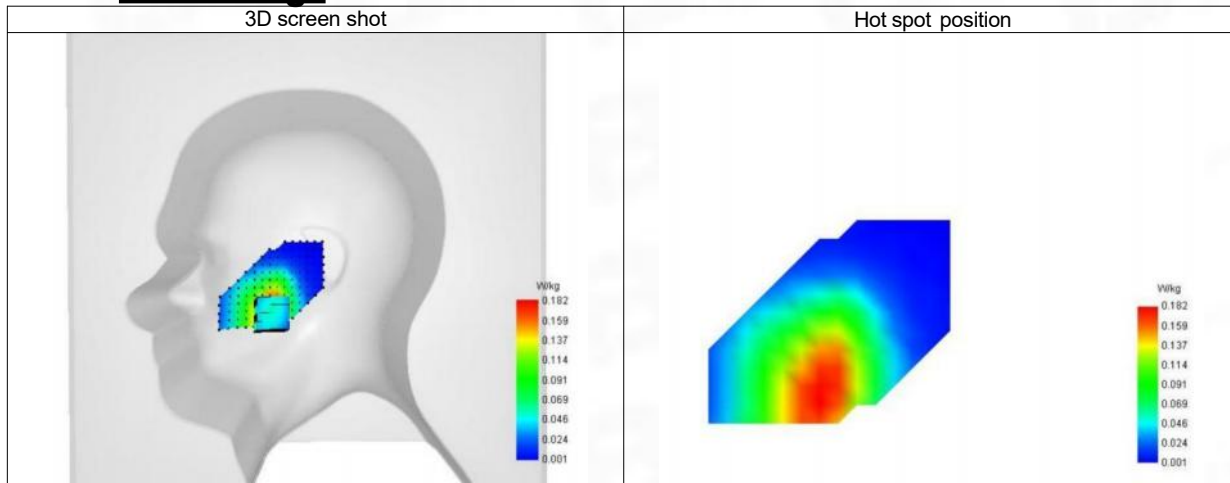
SAR 10g (W/Kg)	0.134
SAR 1g (W/Kg)	0.173
Variation (%)	0.850
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	84.595711

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.203	0.180	0.153	0.129	0.105	0.086	0.069



E. 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: 11/9/2025

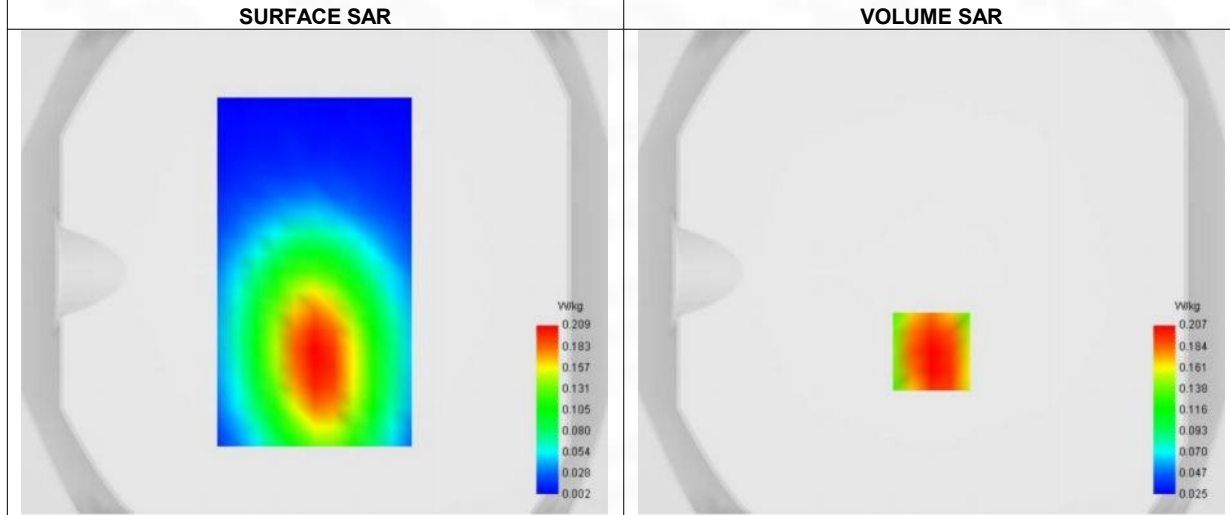
A. Experimental conditions.

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)	41.219
Relative permittivity (imaginary part)	19.461
Conductivity (S/m)	0.909

C. SAR Surface and Volume

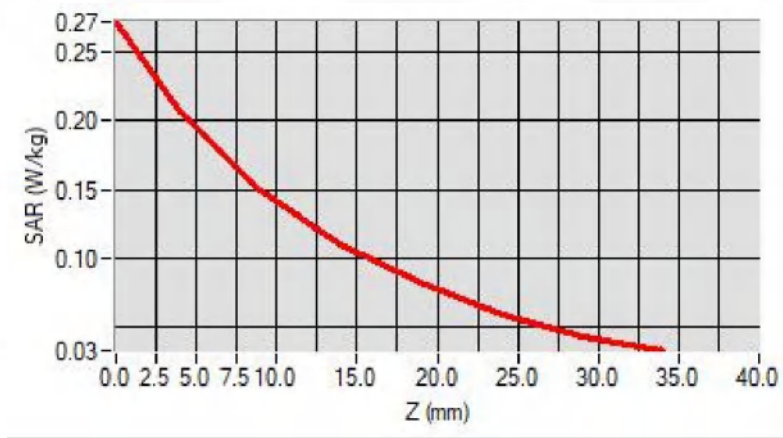


D. SAR 1g & 10g

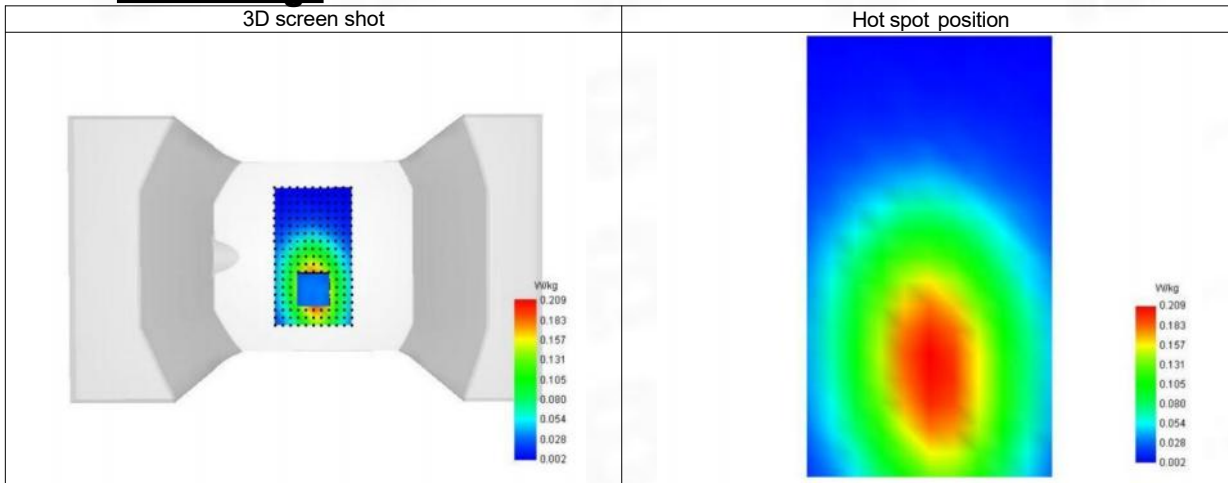
SAR 10g (W/Kg)	0.139
SAR 1g (W/Kg)	0.201
Variation (%)	-3.900
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	72.154862

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.272	0.207	0.149	0.110	0.082	0.058	0.043



F. 3D Image



17-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: 9/9/2025

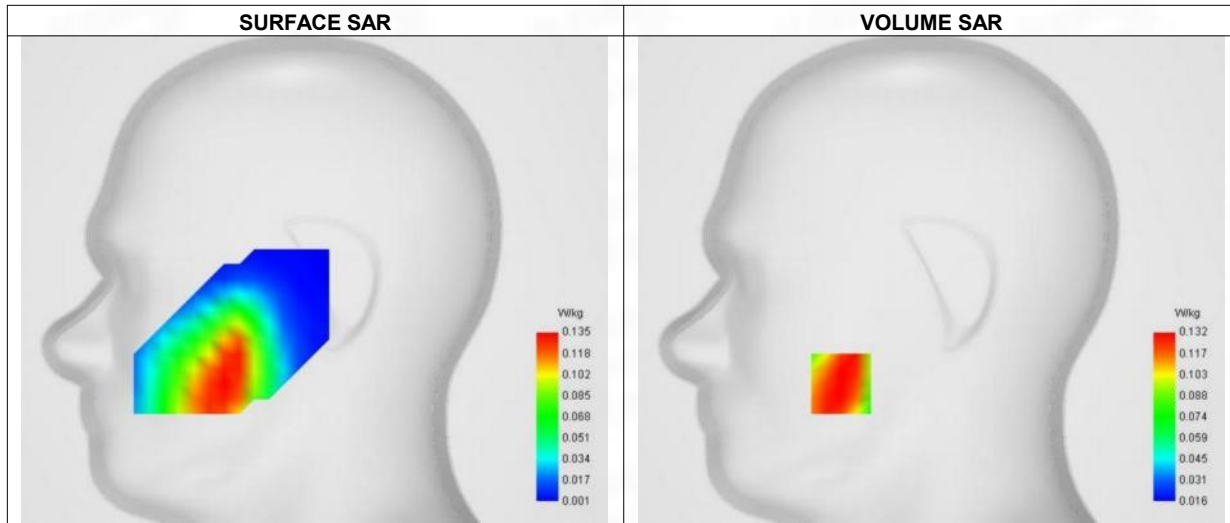
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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)	79.577465%
Relative permittivity (imaginary part)	79.577465%
Conductivity (S/m)	79.577465%

C. SAR Surface and Volume



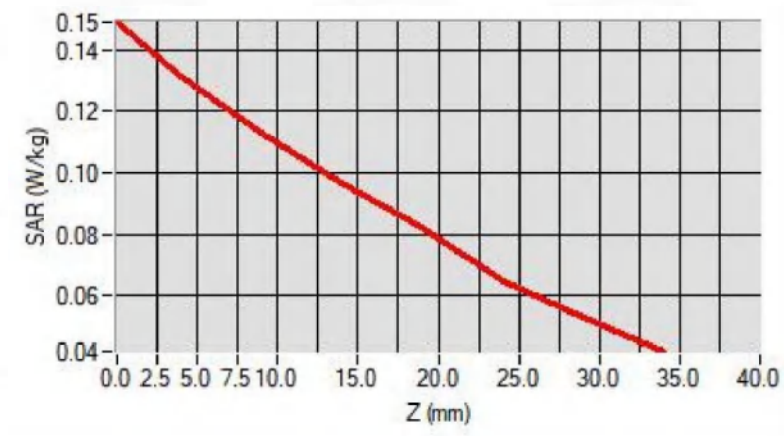
Maximum location: X=-48.00, Y=-56.00 ; SAR Peak: 0.16 W/kg

D. SAR 1g & 10g

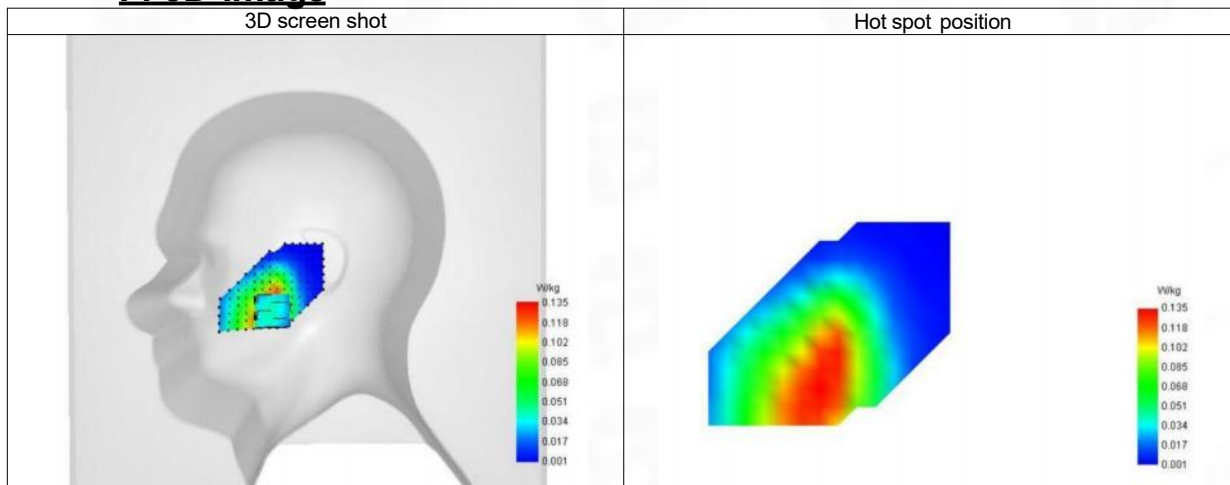
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.128
Variation (%)	-1.980
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.577465

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.149	0.142	0.113	0.097	0.082	0.065	0.053



E. 3D Image



18-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: 9/9/2025

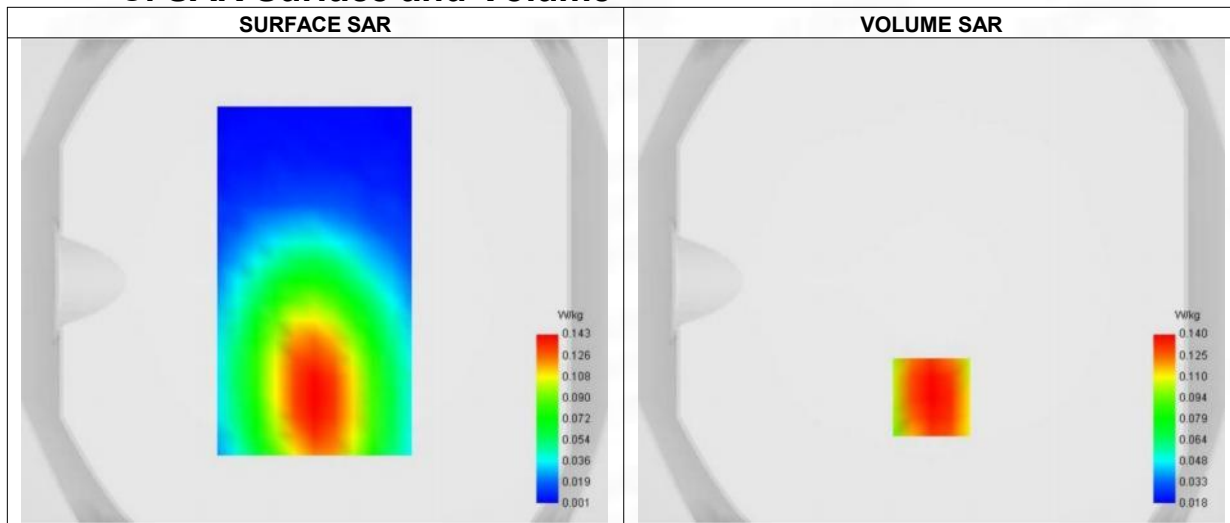
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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)	41.595
Relative permittivity (imaginary part)	22.374
Conductivity (S/m)	0.866

C. SAR Surface and Volume



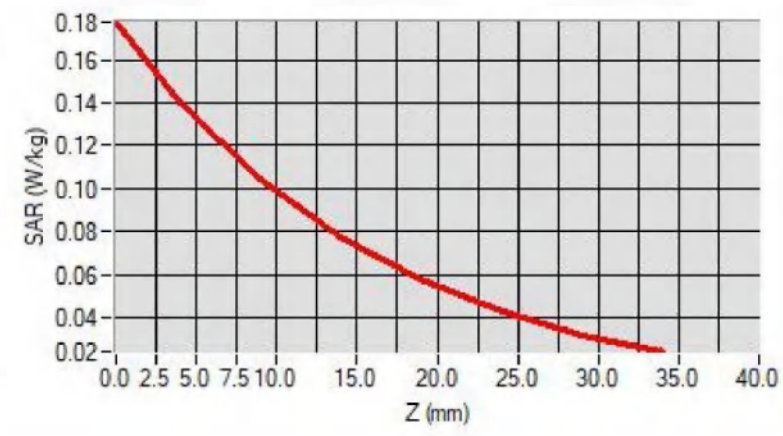
Maximum location: X=0.00, Y=-48.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

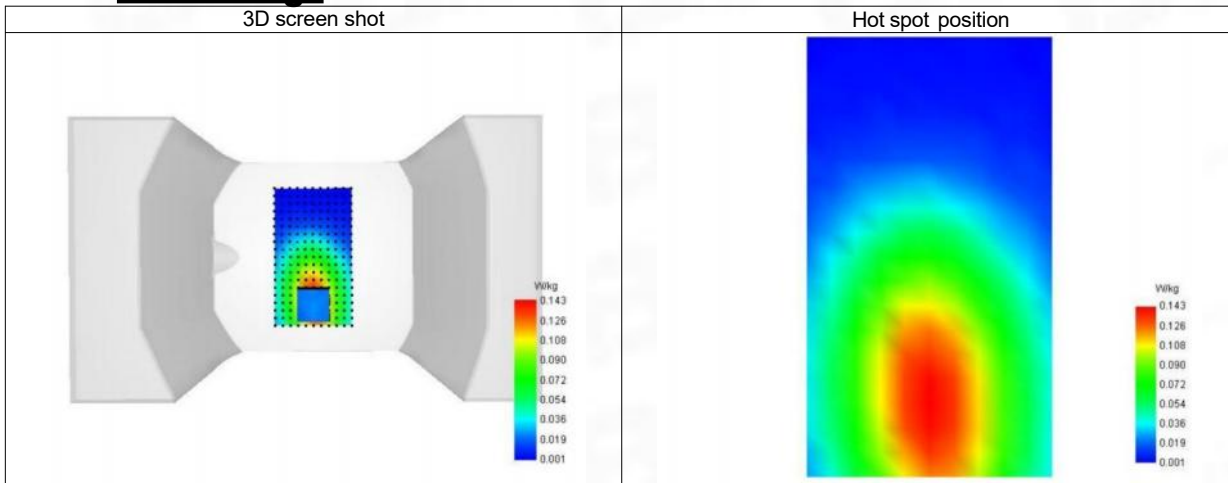
SAR 10g (W/Kg)	0.096
SAR 1g (W/Kg)	0.135
Variation (%)	-2.000
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	74.577307

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.177	0.140	0.105	0.077	0.057	0.043	0.032



E. 3D Image



19-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: 9/9/2025

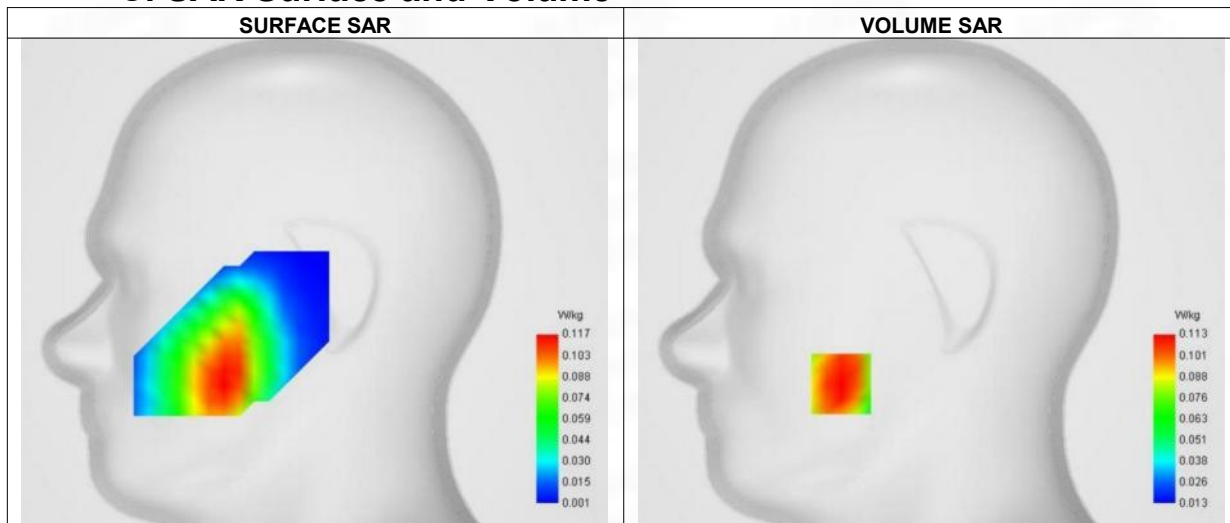
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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	Middle (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)	41.367
Relative permittivity (imaginary part)	20.621
Conductivity (S/m)	0.893

C. SAR Surface and Volume



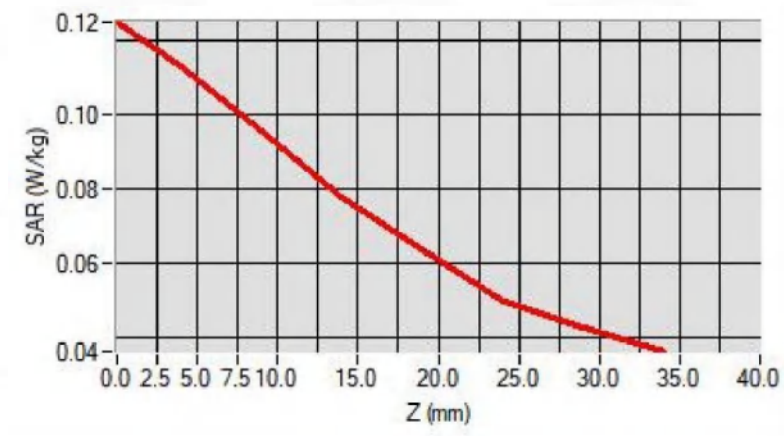
Maximum location: X=-48.00, Y=-55.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

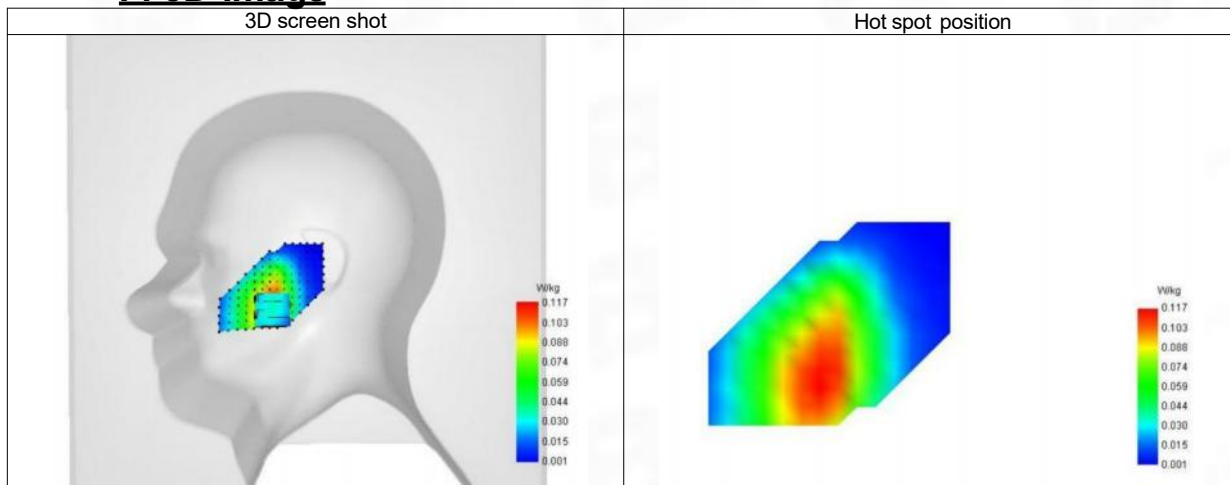
SAR 10g (W/Kg)	0.085
SAR 1g (W/Kg)	0.109
Variation (%)	-0.510
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	78.048780

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.125	0.123	0.096	0.078	0.064	0.050	0.043



E. 3D Image



20-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: 9/9/2025

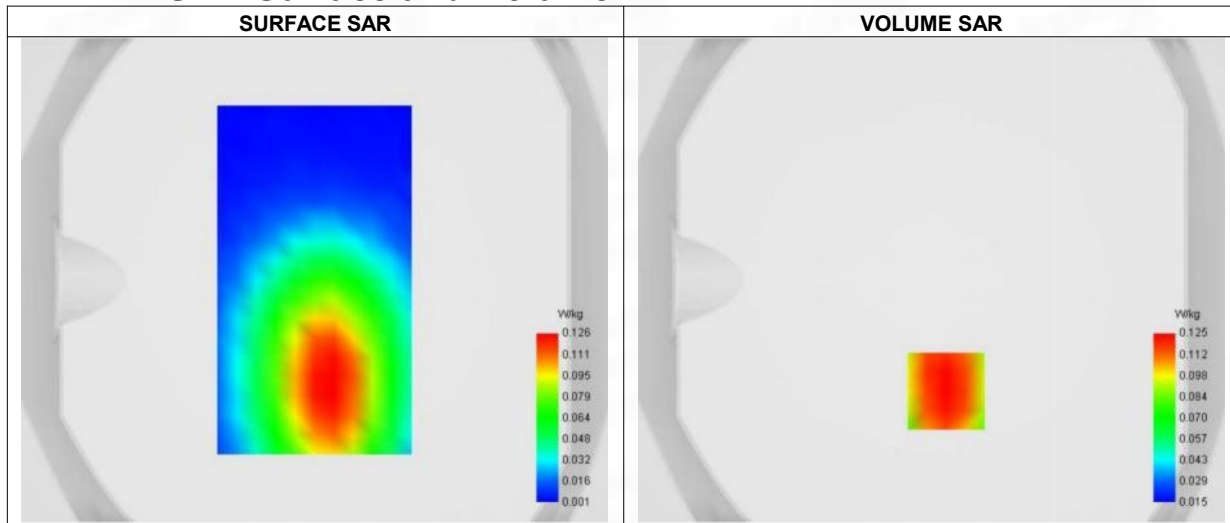
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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	Middle (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)	41.367
Relative permittivity (imaginary part)	20.621
Conductivity (S/m)	0.893

C. SAR Surface and Volume

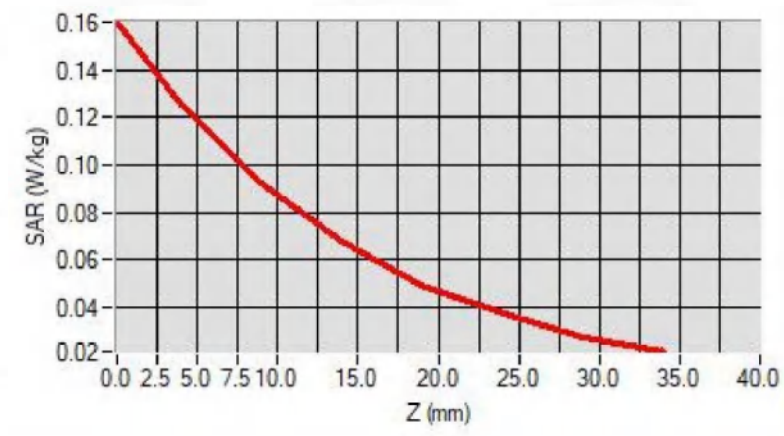


D. SAR 1g & 10g

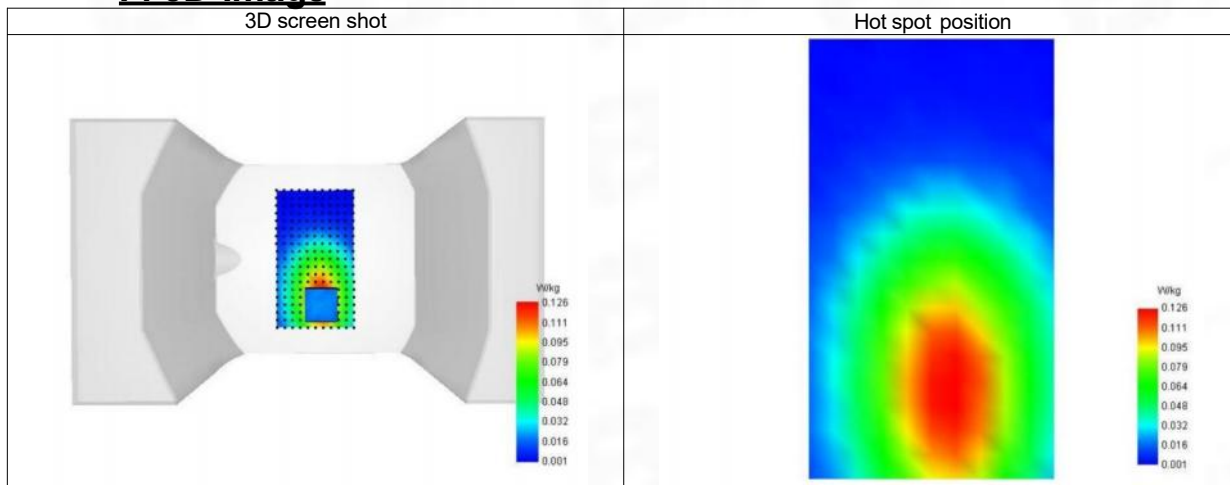
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.121
Variation (%)	2.810
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	73.525979

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.160	0.125	0.092	0.068	0.050	0.037	0.028



E. 3D Image



21-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: 9/9/2025

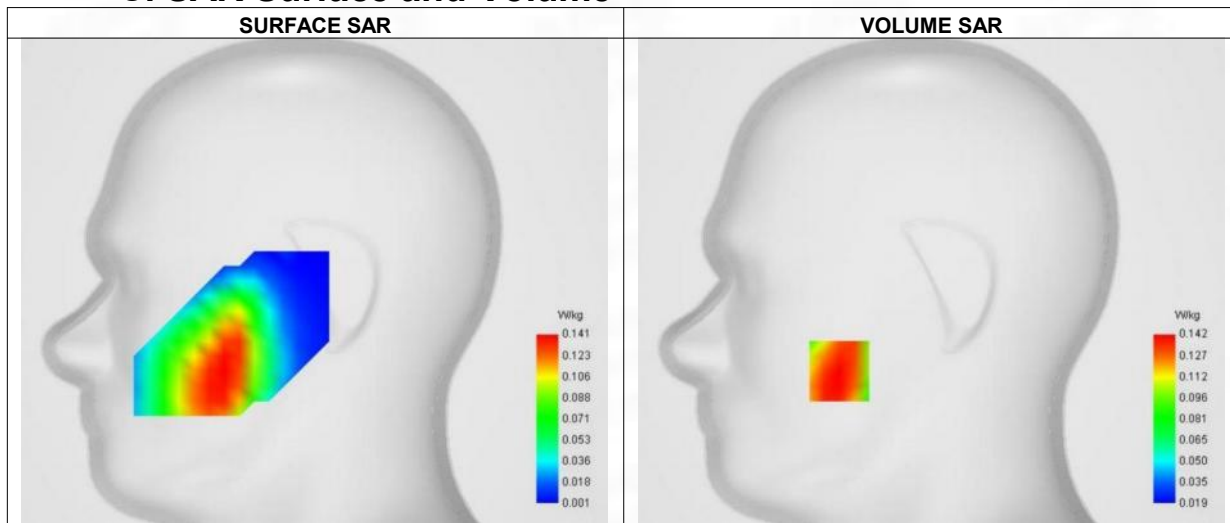
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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)	41.580
Relative permittivity (imaginary part)	22.261
Conductivity (S/m)	0.868

C. SAR Surface and Volume



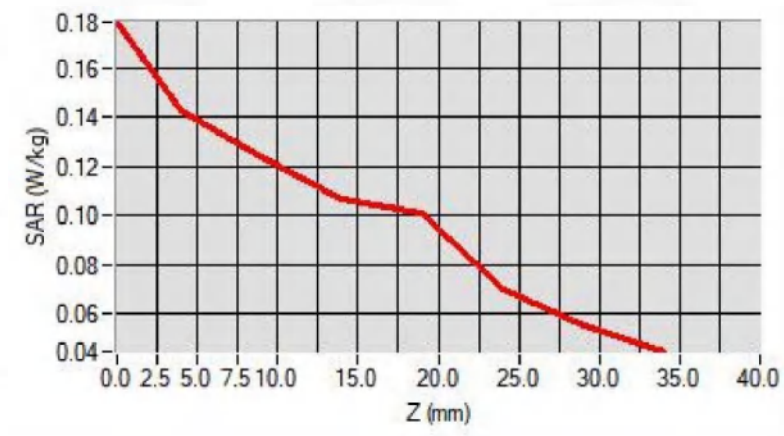
Maximum location: X=-49.00, Y=-48.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

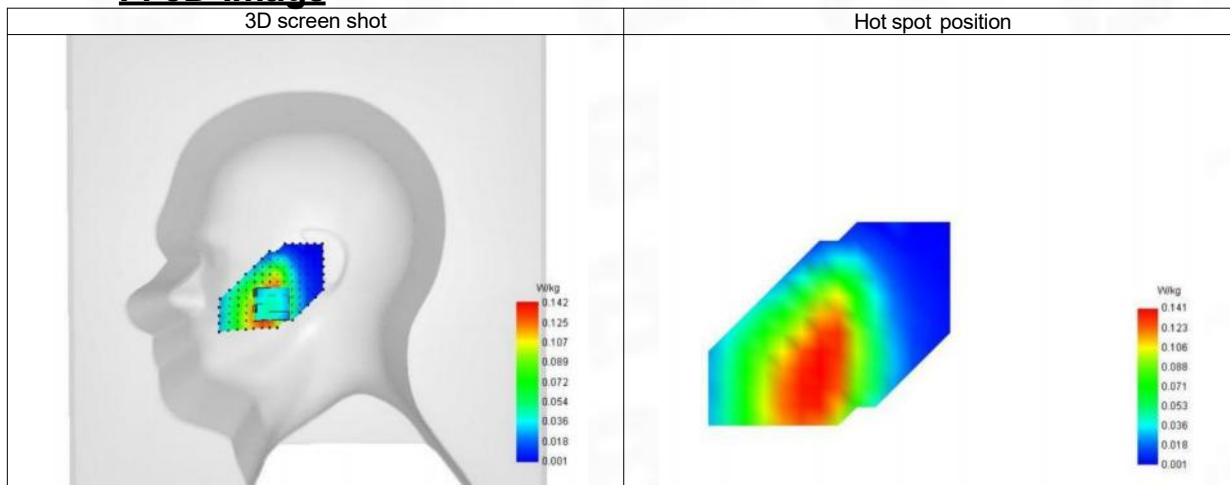
SAR 10g (W/Kg)	0.111
SAR 1g (W/Kg)	0.142
Variation (%)	-3.990
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.535211

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.178	0.142	0.103	0.106	0.100	0.070	0.055



F. 3D Image



22-Body with front position in dist. 10mm on Channel 23780 in LTE band 17

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

Date of measurement: 9/9/2025

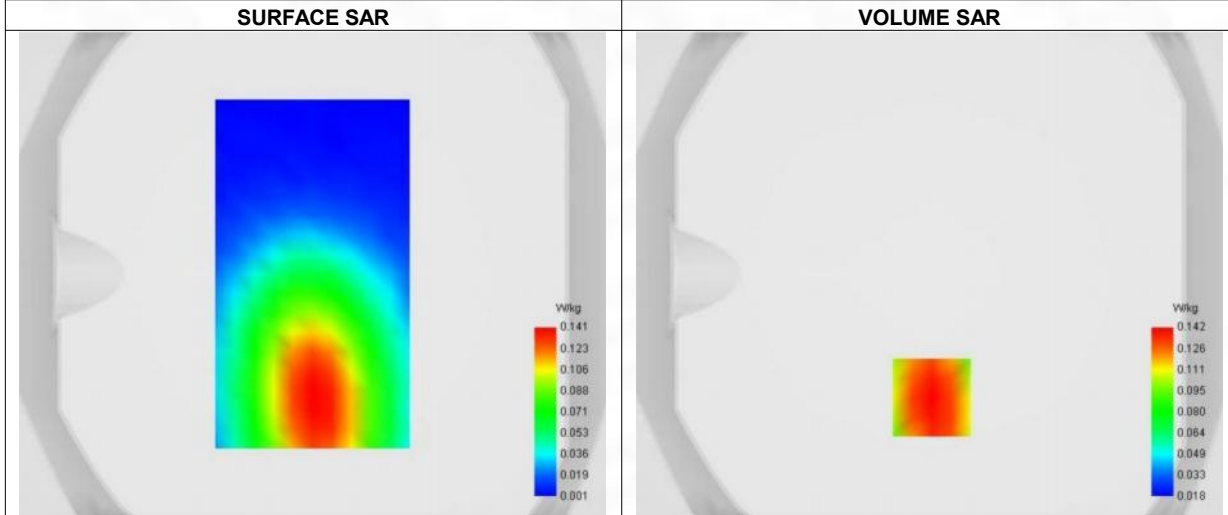
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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)	41.580
Relative permittivity (imaginary part)	22.261
Conductivity (S/m)	0.868

C. SAR Surface and Volume



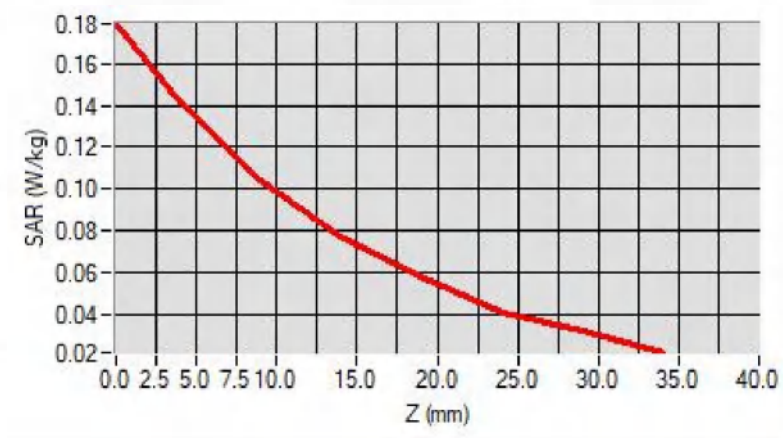
Maximum location: X=1.00, Y=-51.00 ; SAR Peak: 0.18 W/kg

D. SAR 1g & 10g

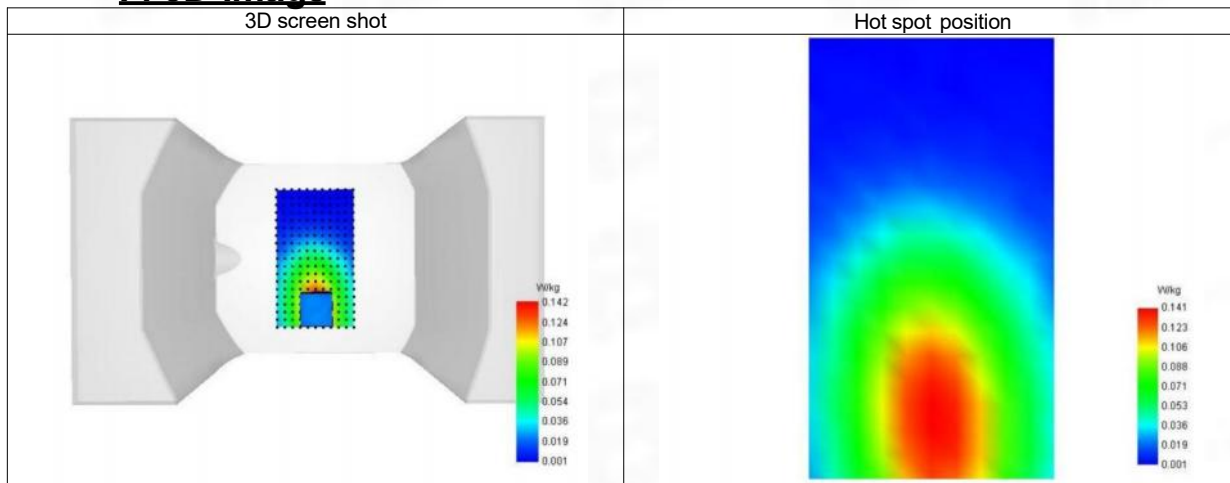
SAR 10g (W/Kg)	0.095
SAR 1g (W/Kg)	0.136
Variation (%)	2.370
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	73.745181

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.179	0.142	0.104	0.078	0.058	0.042	0.033



F. 3D Image



23-Head with front position in dist. 0mm on Channel 26140 in LTE band 25

SAR Measurement at LTE band 25 (Cheek, Right)

Date of measurement: 15/9/2025

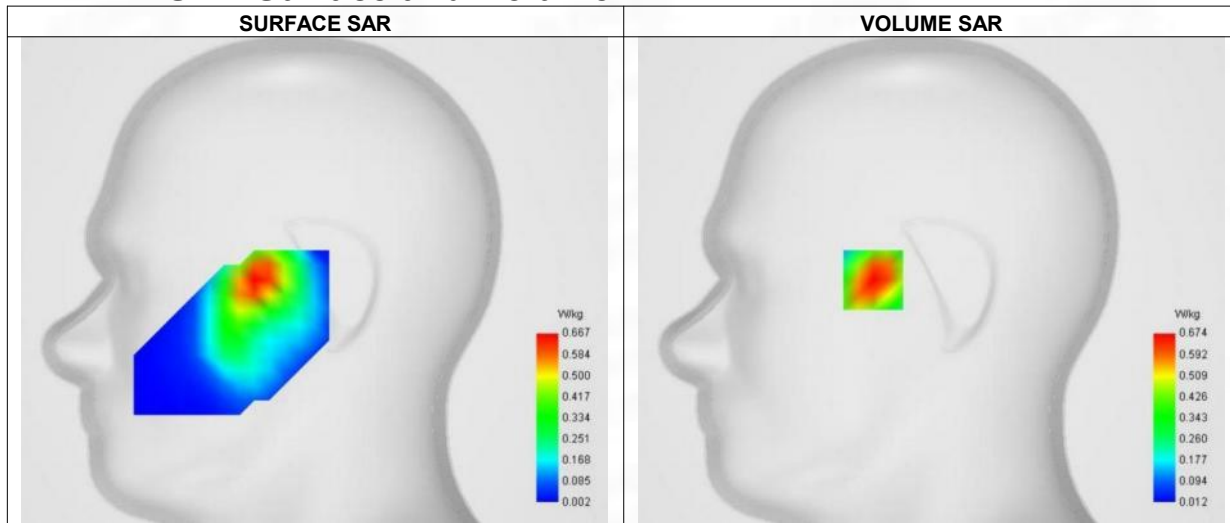
A. Experimental conditions.

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	LTE band 25
Channels/Frequency	Lower (26140)/ frequency 1860.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1860.090
Relative permittivity (real part)	40.166
Relative permittivity (imaginary part)	14.043
Conductivity (S/m)	1.372

C. SAR Surface and Volume



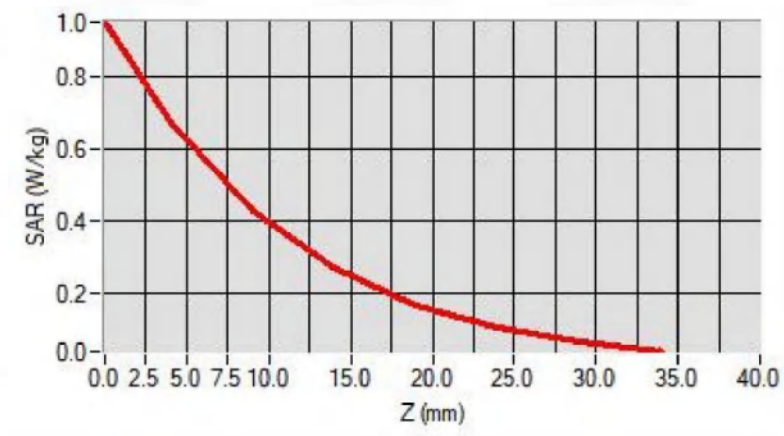
Maximum location: X=-31.00, Y=0.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

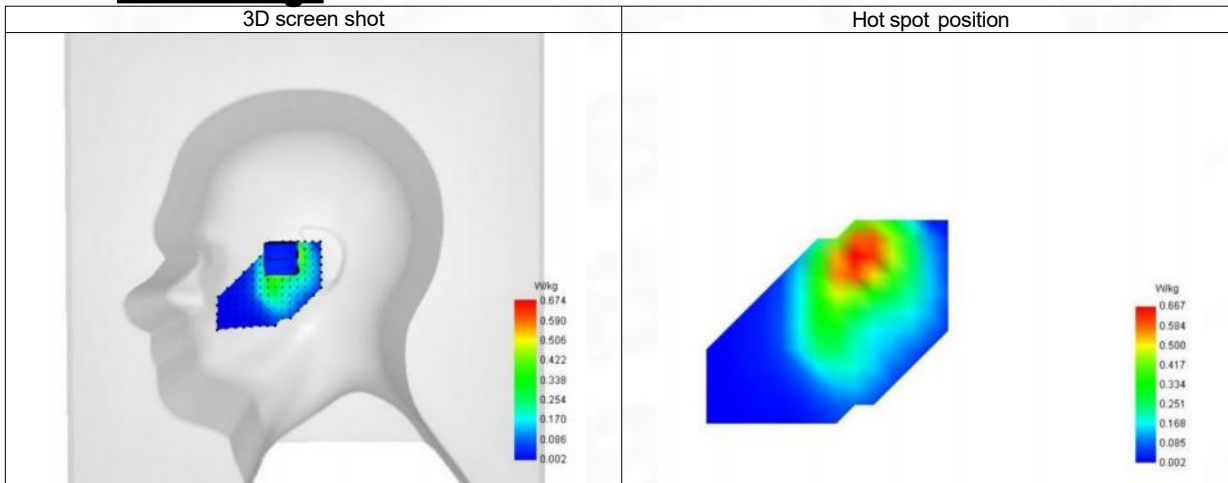
SAR 10g (W/Kg)	0.372
SAR 1g (W/Kg)	0.639
Variation (%)	-1.910
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	63.767020

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.951	0.674	0.430	0.272	0.170	0.107	0.068



E. 3D Image



24-Body with front position in dist. 10mm on Channel 26140 in LTE band 25

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

Date of measurement: 15/9/2025

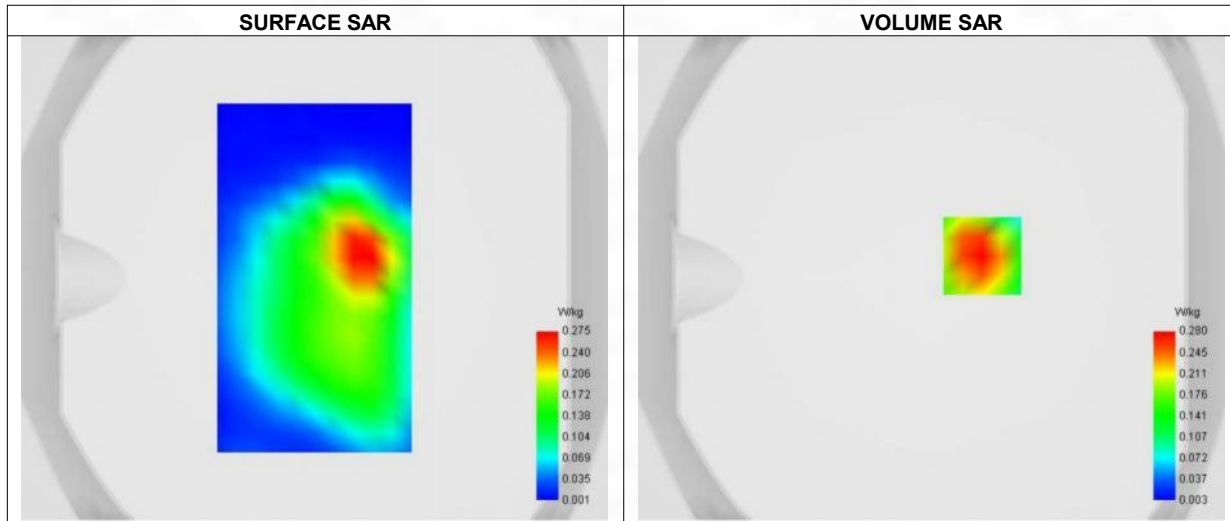
A. Experimental conditions.

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	LTE band 25
Channels/Frequency	Lower (26140)/ frequency 1860.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1860.090
Relative permittivity (real part)	40.166
Relative permittivity (imaginary part)	14.043
Conductivity (S/m)	1.372

C. SAR Surface and Volume

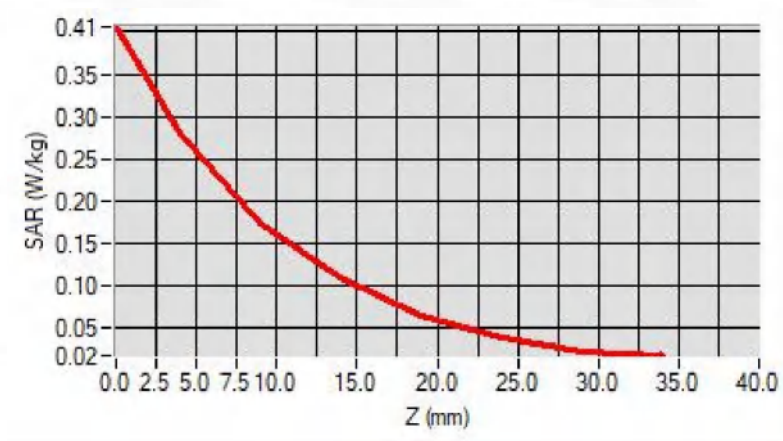


D. SAR 1g & 10g

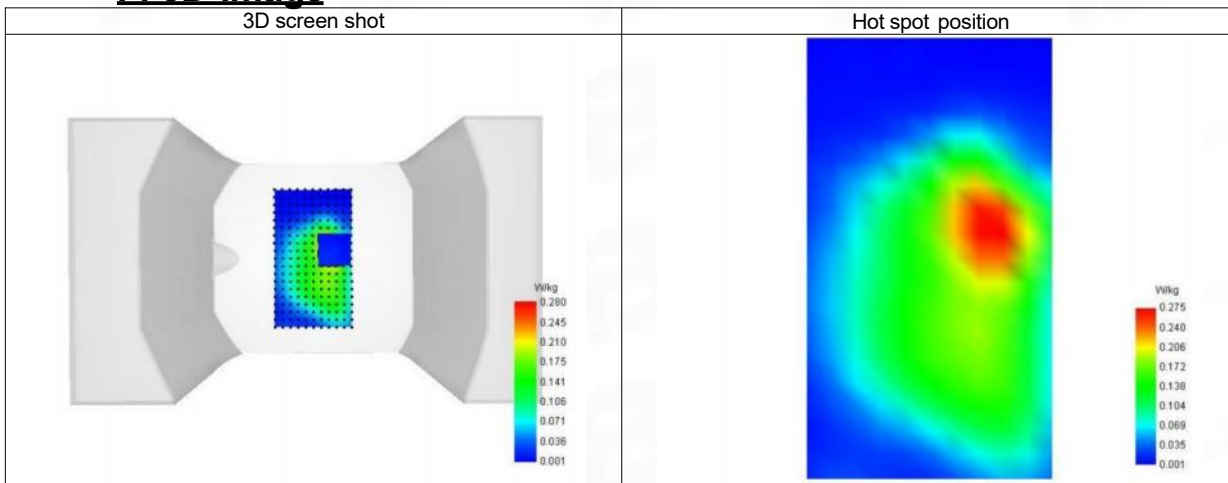
SAR 10g (W/Kg)	0.156
SAR 1g (W/Kg)	0.267
Variation (%)	-4.030
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	61.697612

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.406	0.280	0.173	0.109	0.064	0.037	0.021



F. 3D Image



25-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: 11/9/2025

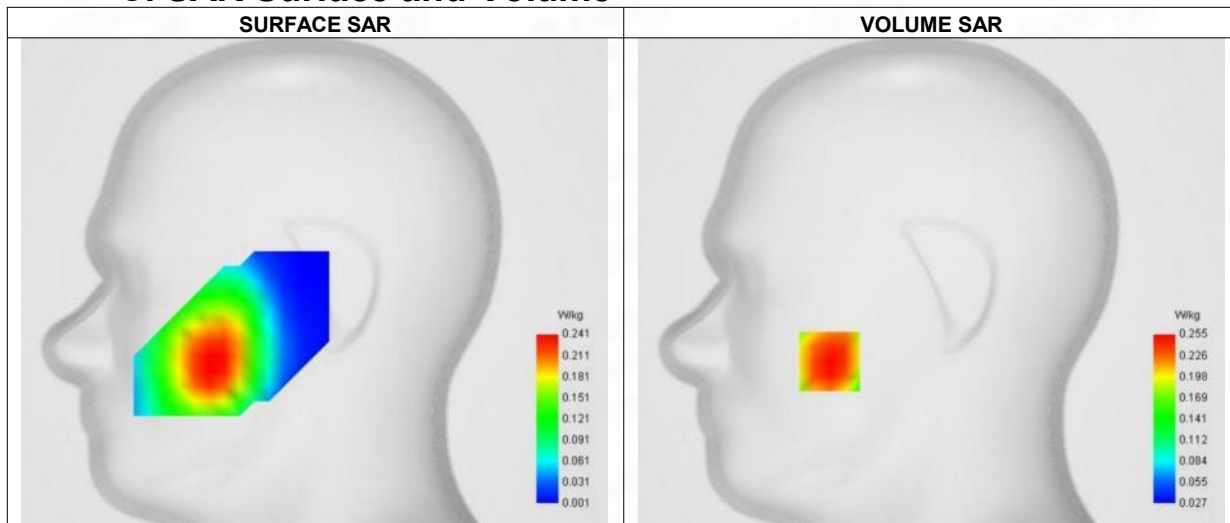
A. Experimental conditions.

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)	41.230
Relative permittivity (imaginary part)	19.511
Conductivity (S/m)	0.905

C. SAR Surface and Volume



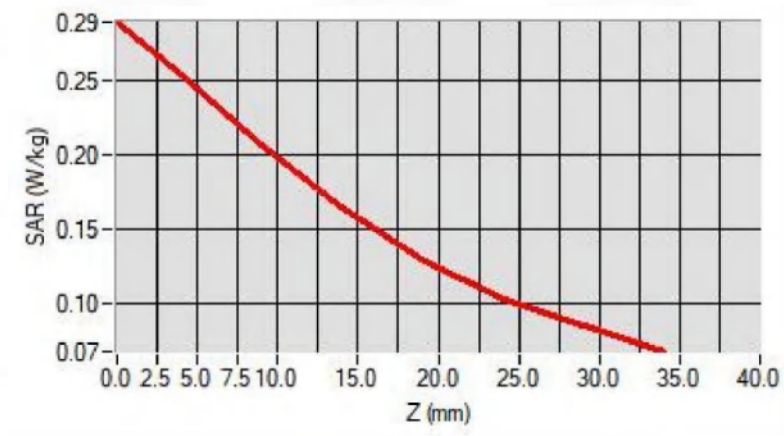
Maximum location: X=-54.00, Y=-43.00 ; SAR Peak: 0.31 W/kg

D. SAR 1g & 10g

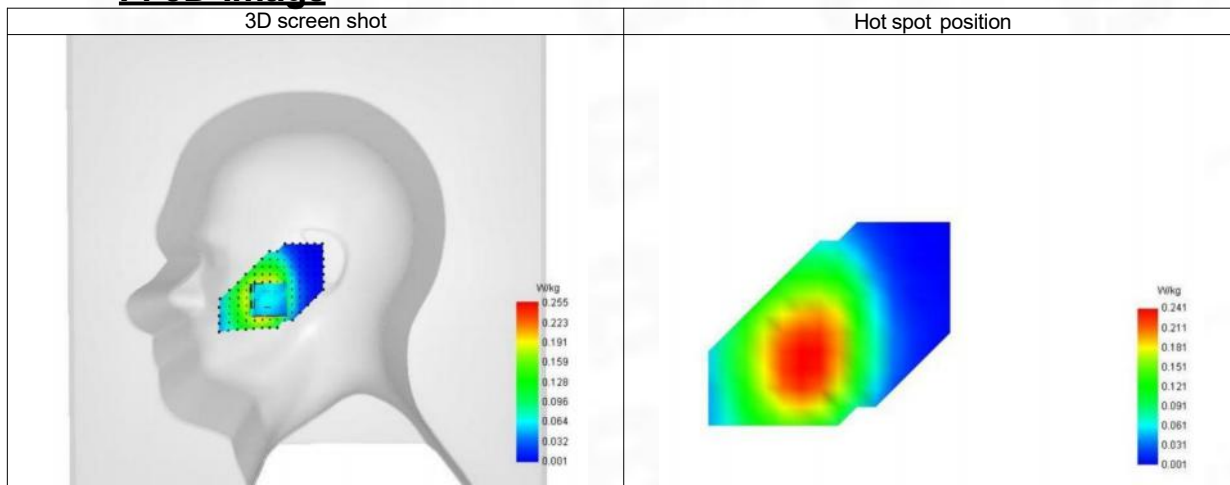
SAR 10g (W/Kg)	0.185
SAR 1g (W/Kg)	0.245
Variation (%)	2.720
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	75.272727

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.290	0.275	0.207	0.165	0.130	0.103	0.086



E. 3D Image



26-Body with front 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: 11/9/2025

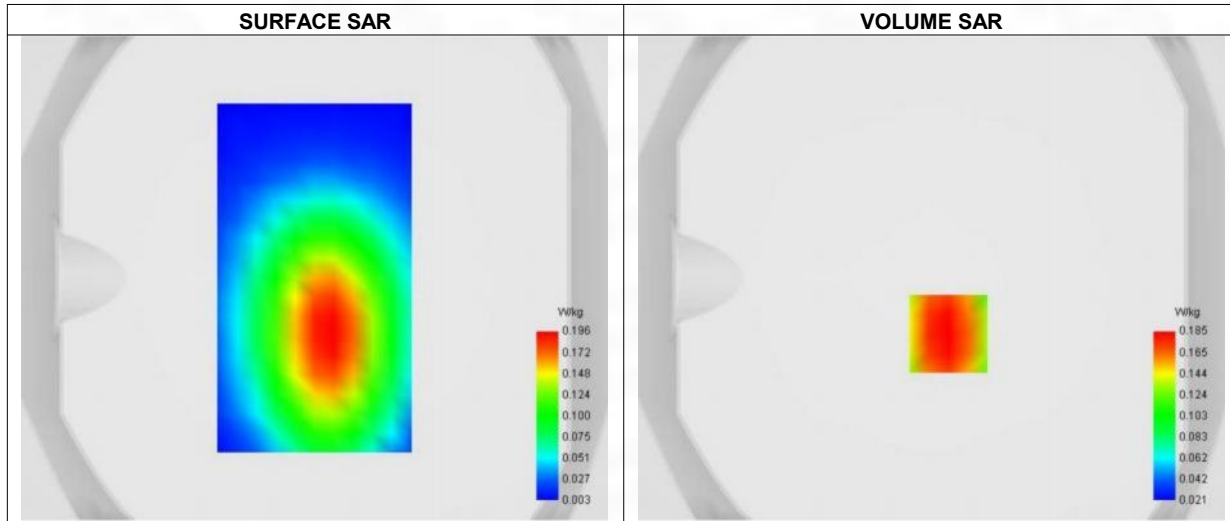
A. Experimental conditions.

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)	41.230
Relative permittivity (imaginary part)	19.511
Conductivity (S/m)	0.905

C. SAR Surface and Volume



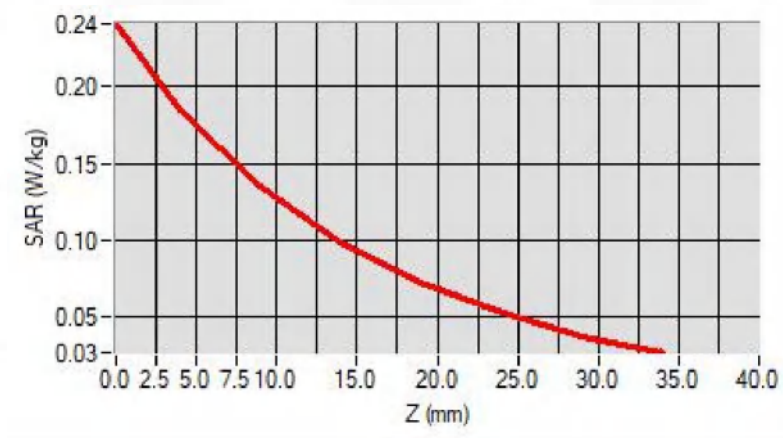
Maximum location: X=7.00, Y=-23.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

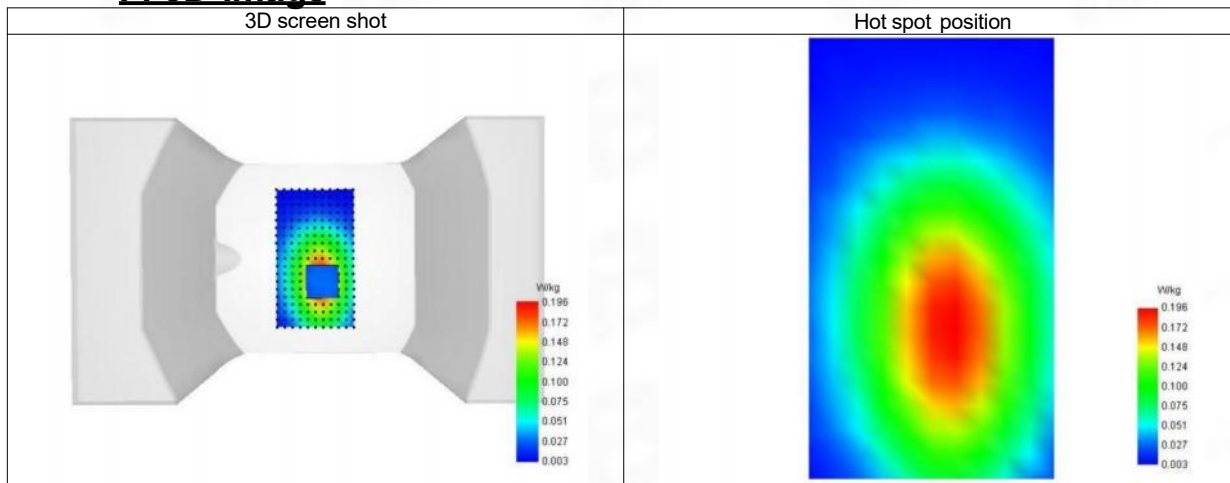
SAR 10g (W/Kg)	0.124
SAR 1g (W/Kg)	0.179
Variation (%)	-3.300
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.687650

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.241	0.185	0.135	0.098	0.073	0.053	0.038



F. 3D Image



27-Head with front position in dist. 0mm on Channel 26965 in LTE band 26 Part 22

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 11/9/2025

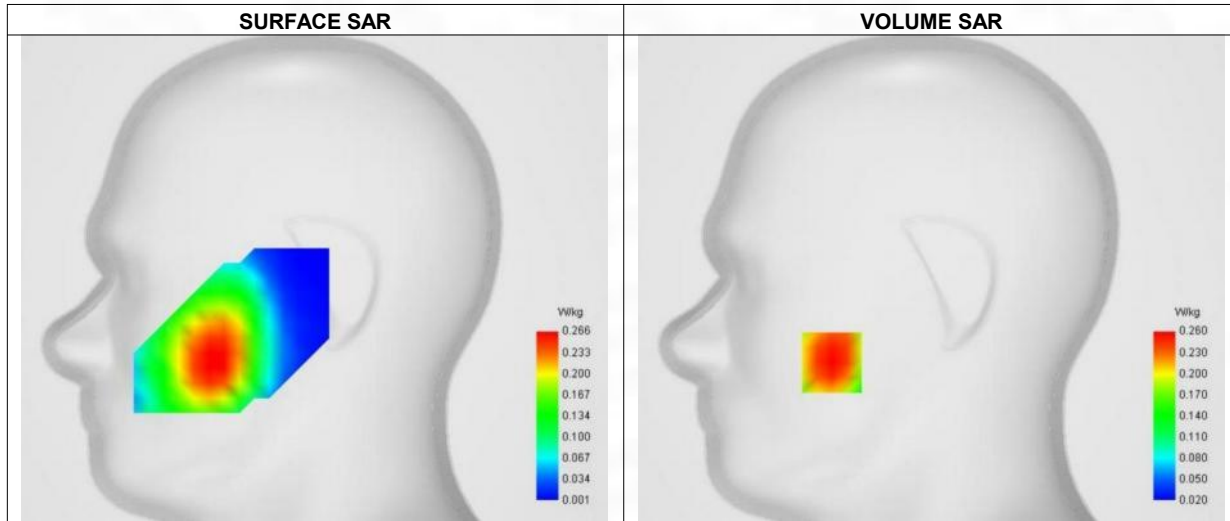
A. Experimental conditions.

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	Higher (26965)/ frequency 841.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	74
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	848.160
Relative permittivity (real part)	41.199
Relative permittivity (imaginary part)	19.367
Conductivity (S/m)	0.918

C. SAR Surface and Volume



Maximum location: X=-53.00, Y=-45.00 ; SAR Peak: 0.32 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.187
SAR 1g (W/Kg)	0.251
Variation (%)	2.420
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.595898

E. Z Axis Scan

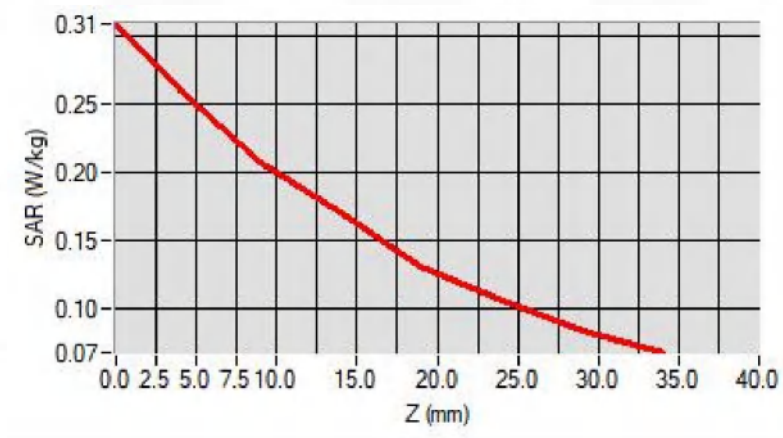
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.309	0.260	0.207	0.170	0.131	0.106	0.084

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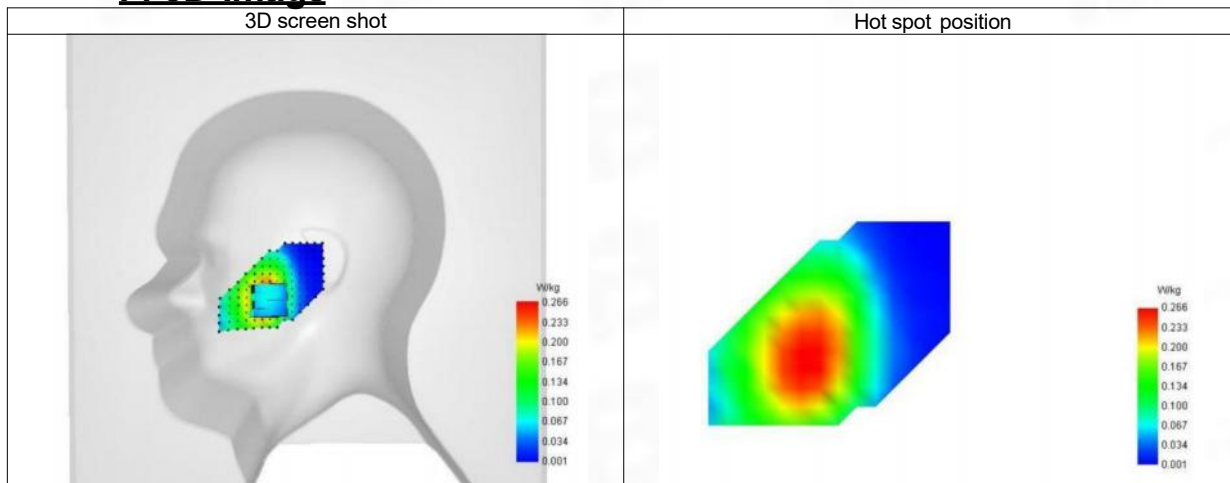
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101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China



F. 3D Image



28-Body with back position in dist. 10mm on Channel 26965 in LTE band 26

Part 22

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

Date of measurement: 11/9/2025

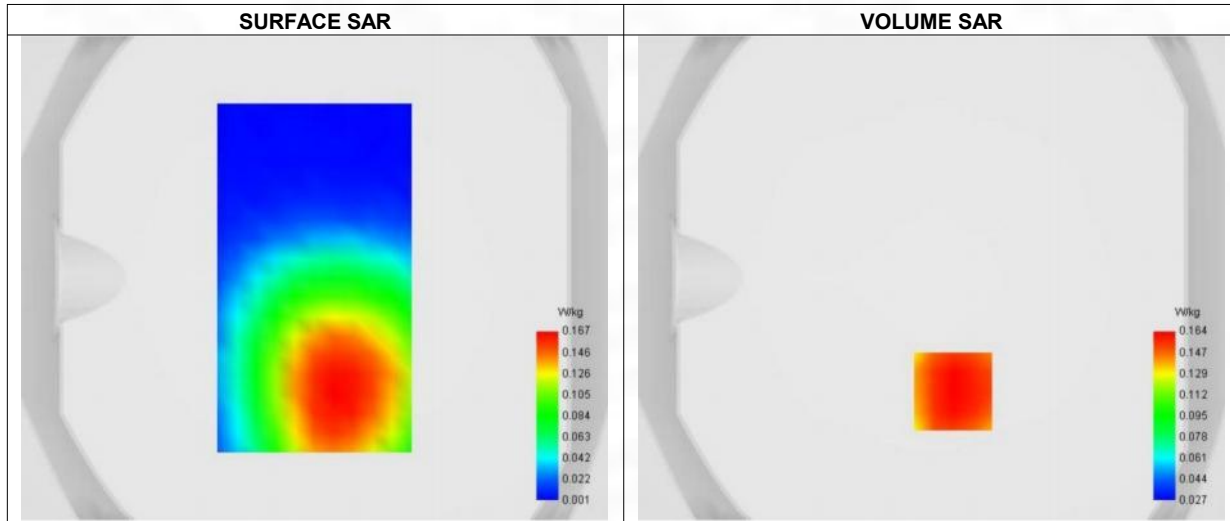
A. Experimental conditions.

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	Higher (26965)/ frequency 841.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	74
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	848.160
Relative permittivity (real part)	41.199
Relative permittivity (imaginary part)	19.367
Conductivity (S/m)	0.918

C. SAR Surface and Volume



Maximum location: X=9.00, Y=-47.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.121
SAR 1g (W/Kg)	0.159
Variation (%)	-2.290
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.241578

E. Z Axis Scan

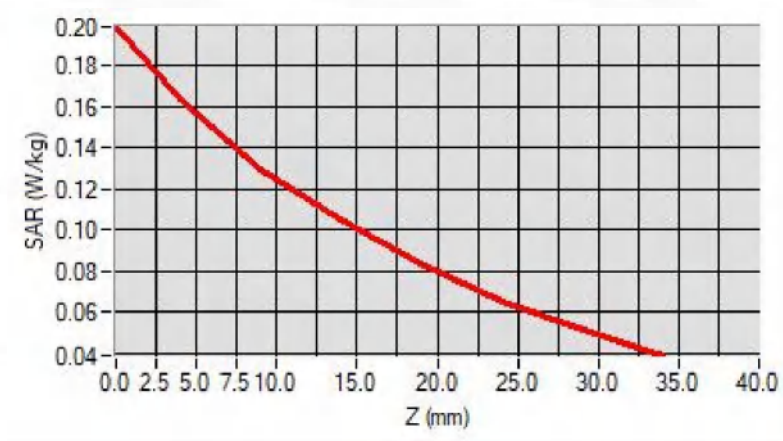
Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.199	0.164	0.130	0.105	0.084	0.066	0.052

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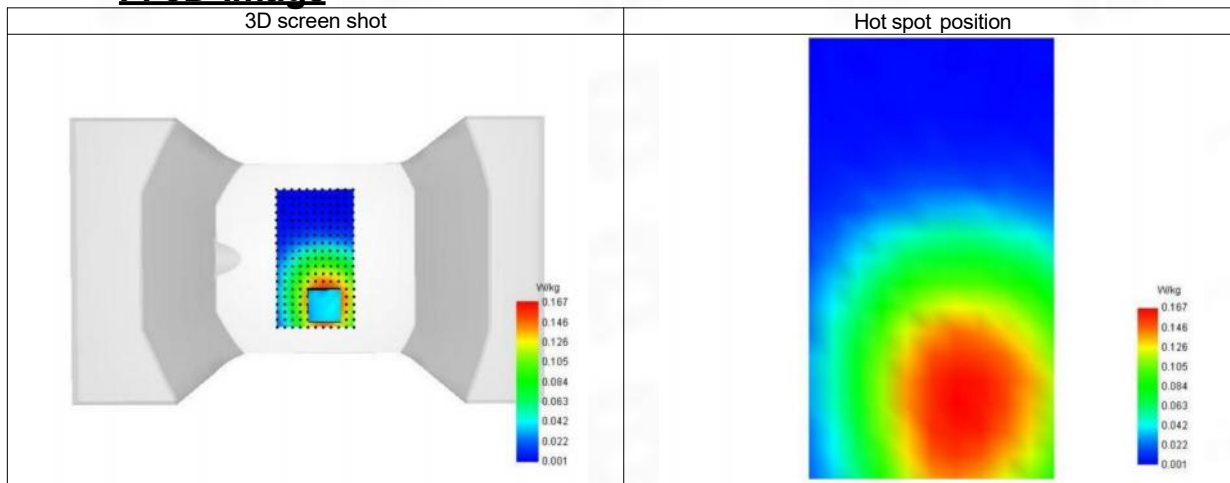
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101/201/301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Subdistrict, Bao'an District, Shenzhen, China



F. 3D Image



29-Head with front position in dist. 0mm on Channel 37850 in LTE band 38

SAR Measurement at LTE band 38 (Cheek, Right)

Date of measurement: 17/9/2025

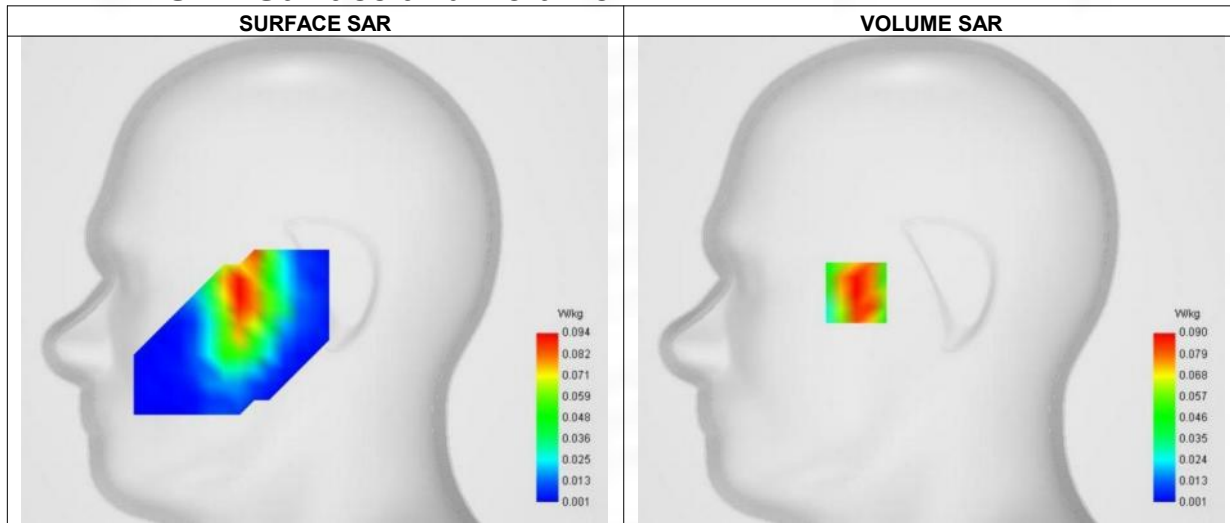
A. Experimental conditions.

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 38
Channels/Frequency	Lower (37850)/ frequency 2580.000 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)	2580.090
Relative permittivity (real part)	38.476
Relative permittivity (imaginary part)	12.524
Conductivity (S/m)	1.903

C. SAR Surface and Volume



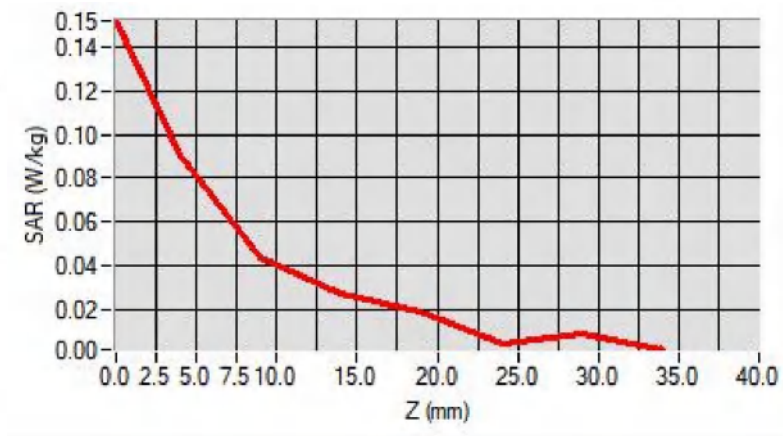
Maximum location: X=-40.00, Y=-7.00 ; SAR Peak: 0.16 W/kg

D. SAR 1g & 10g

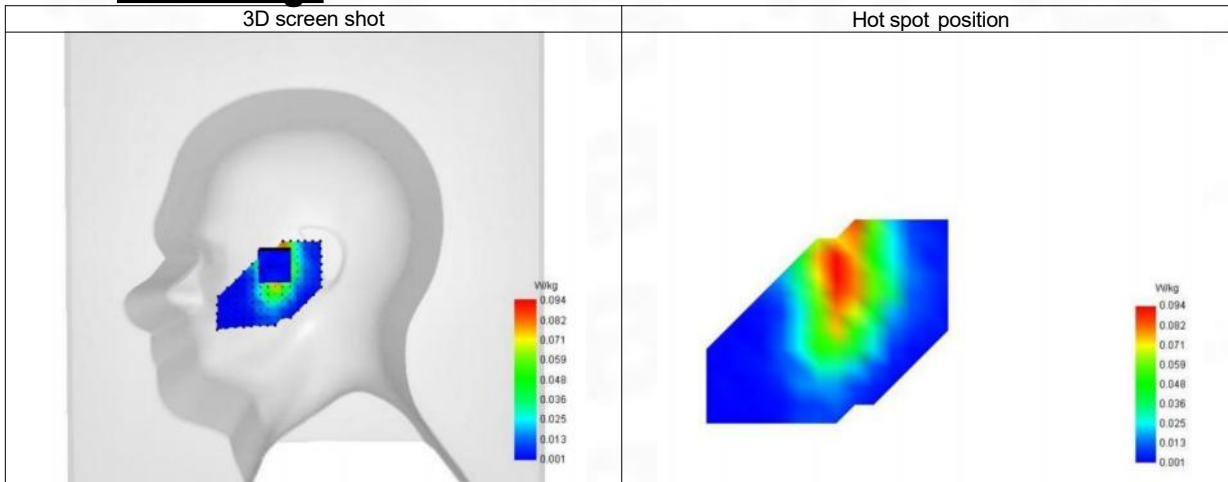
SAR 10g (W/Kg)	0.045
SAR 1g (W/Kg)	0.089
Variation (%)	-3.350
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.042441

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.152	0.090	0.044	0.028	0.019	0.005	0.009



F. 3D Image



30-Body with front position in dist. 10mm on Channel 37850 in LTE band 38

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

Date of measurement: 17/9/2025

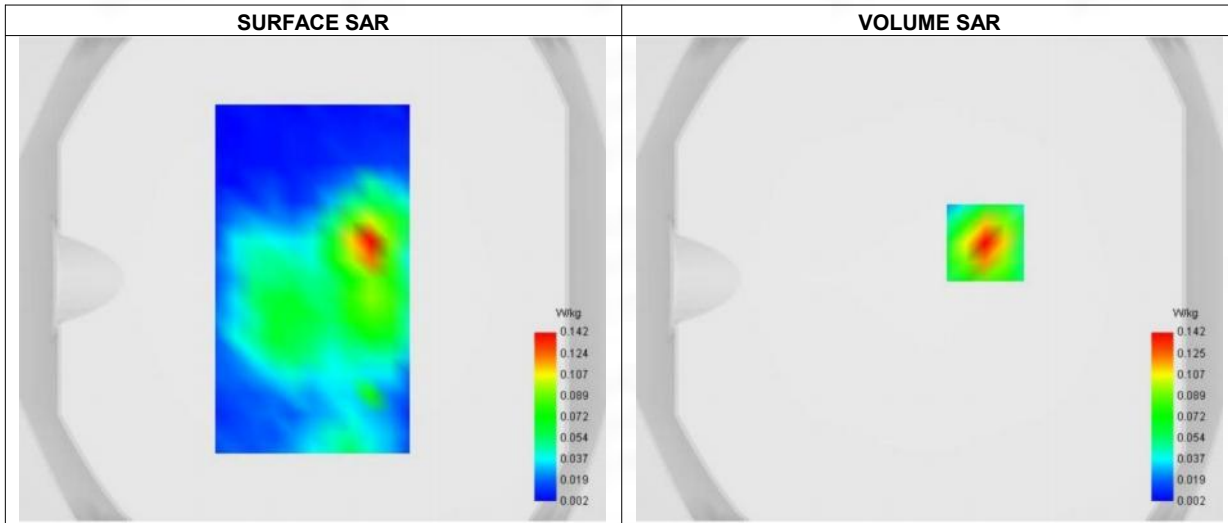
A. Experimental conditions.

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 38
Channels/Frequency	Lower (37850)/ frequency 2580.000 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)	2580.090
Relative permittivity (real part)	38.476
Relative permittivity (imaginary part)	12.524
Conductivity (S/m)	1.903

C. SAR Surface and Volume

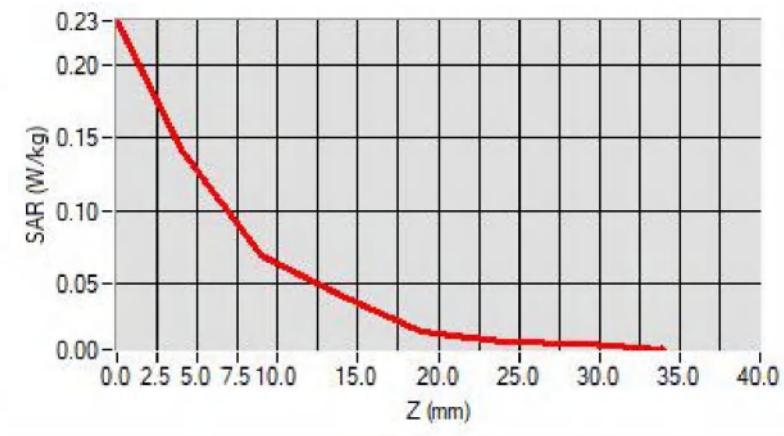


D. SAR 1g & 10g

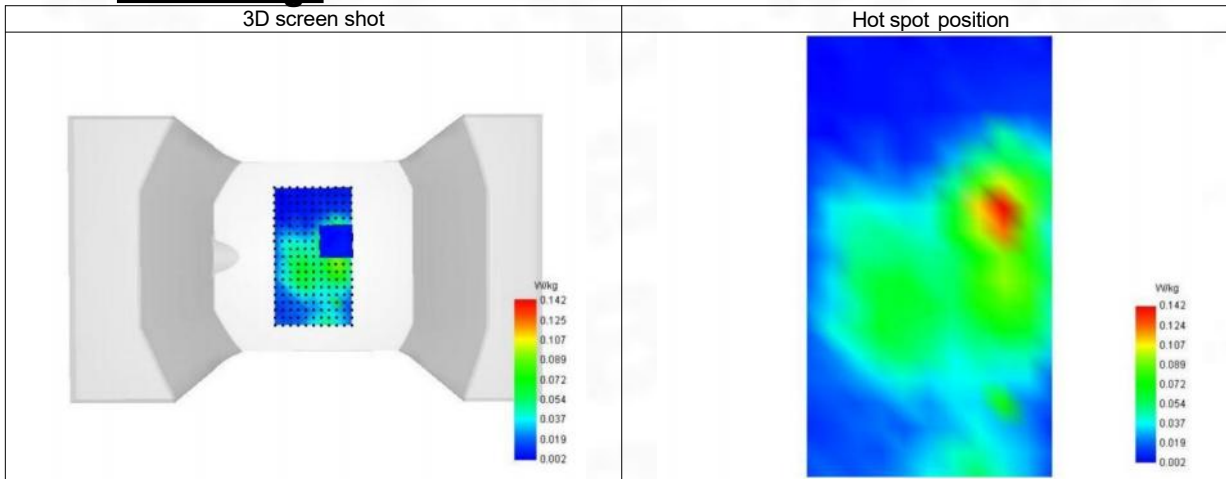
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.130
Variation (%)	-4.100
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.046270

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.230	0.142	0.070	0.042	0.017	0.011	0.009



F. 3D Image



31-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: 17/9/2025

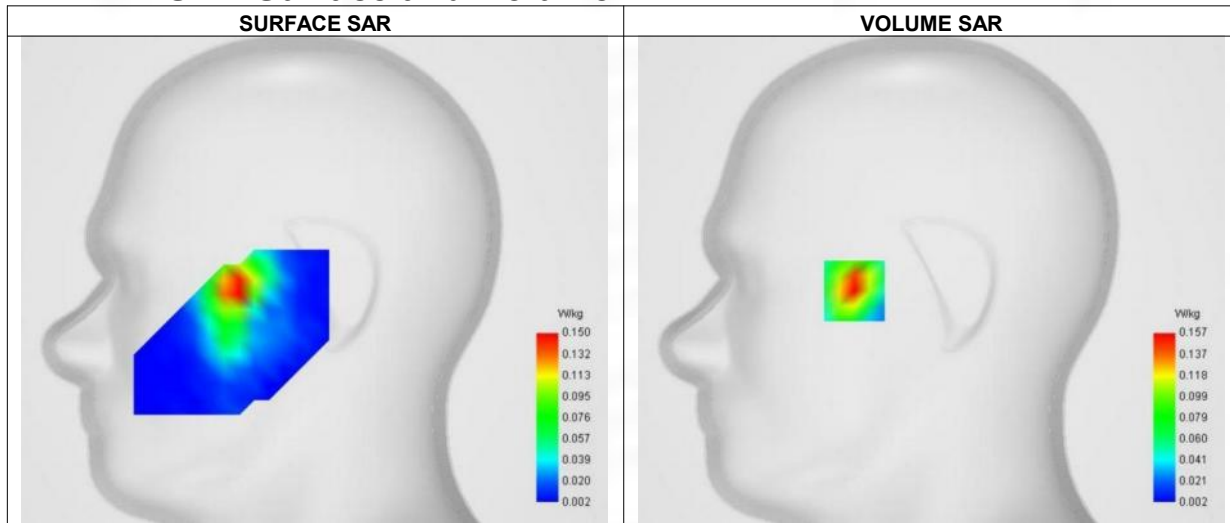
A. Experimental conditions.

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 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)	38.209
Relative permittivity (imaginary part)	11.662
Conductivity (S/m)	1.995

C. SAR Surface and Volume



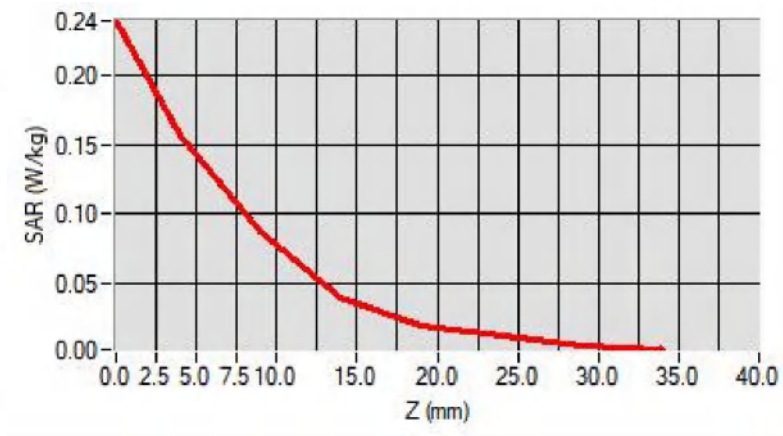
Maximum location: X=-41.00, Y=-6.00 ; SAR Peak: 0.27 W/kg

D. SAR 1g & 10g

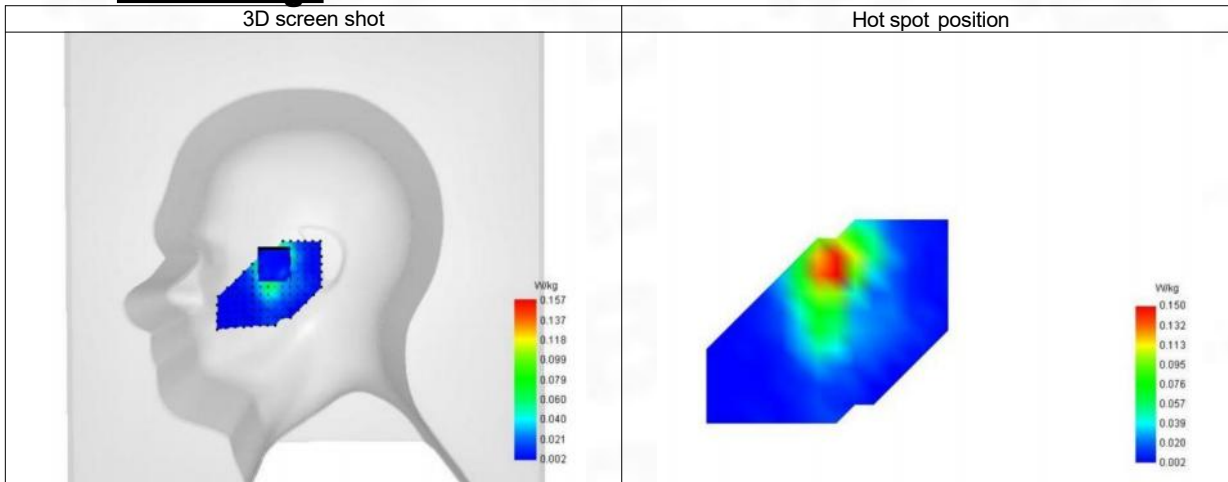
SAR 10g (W/Kg)	0.070
SAR 1g (W/Kg)	0.146
Variation (%)	-1.420
Horizontal validation criteria: minimum distance (mm)	17.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.788694

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.239	0.157	0.087	0.040	0.020	0.013	0.006



F. 3D Image



32-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: 17/9/2025

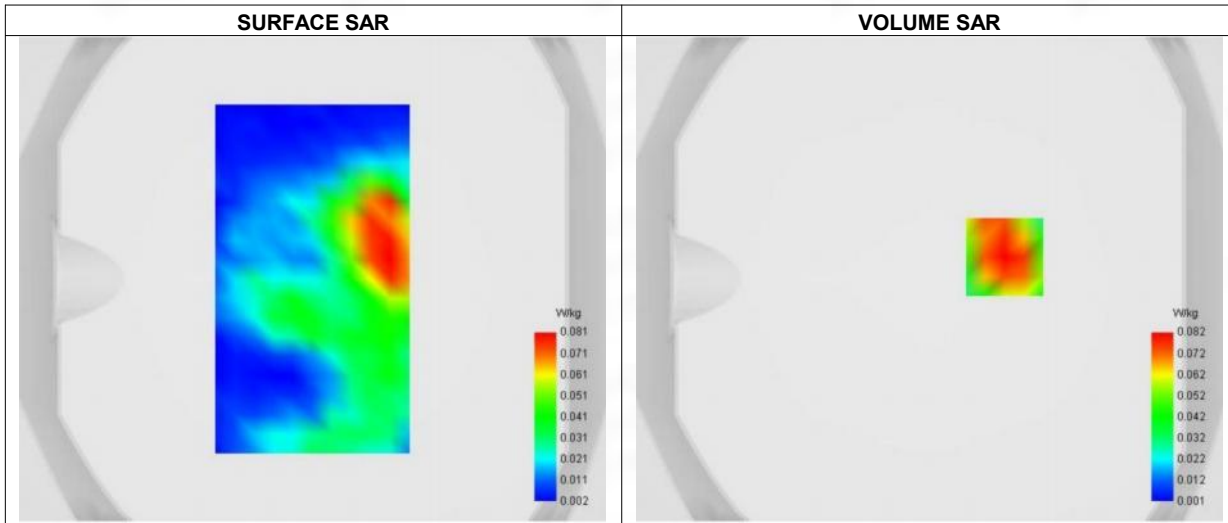
A. Experimental conditions.

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 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)	38.209
Relative permittivity (imaginary part)	11.662
Conductivity (S/m)	1.995

C. SAR Surface and Volume



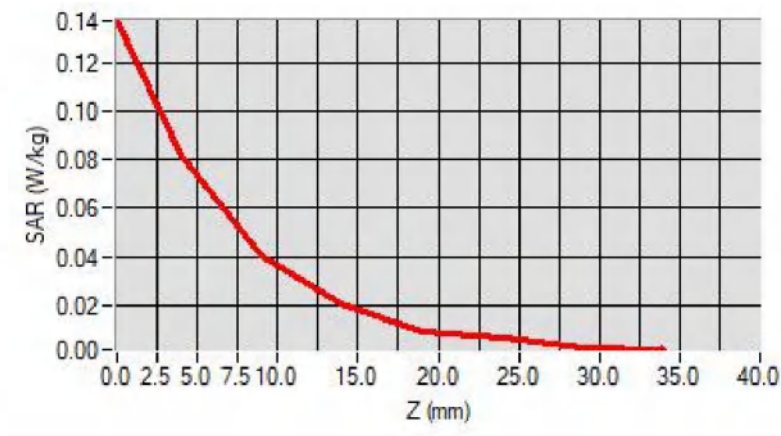
Maximum location: X=31.00, Y=9.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

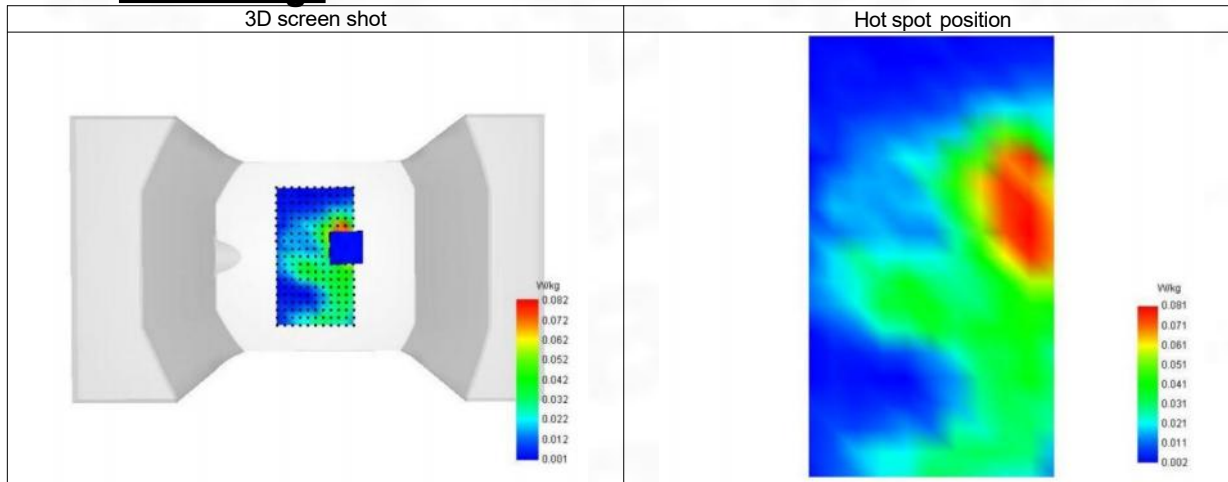
SAR 10g (W/Kg)	0.041
SAR 1g (W/Kg)	0.079
Variation (%)	3.460
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	49.605339

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	0.082	0.041	0.021	0.009	0.007	0.003



F. 3D Image



33-Head with front position in dist. 0mm on Channel 132322 in LTE band 66

SAR Measurement at LTE band 66 (Cheek, Right)

Date of measurement: 13/9/2025

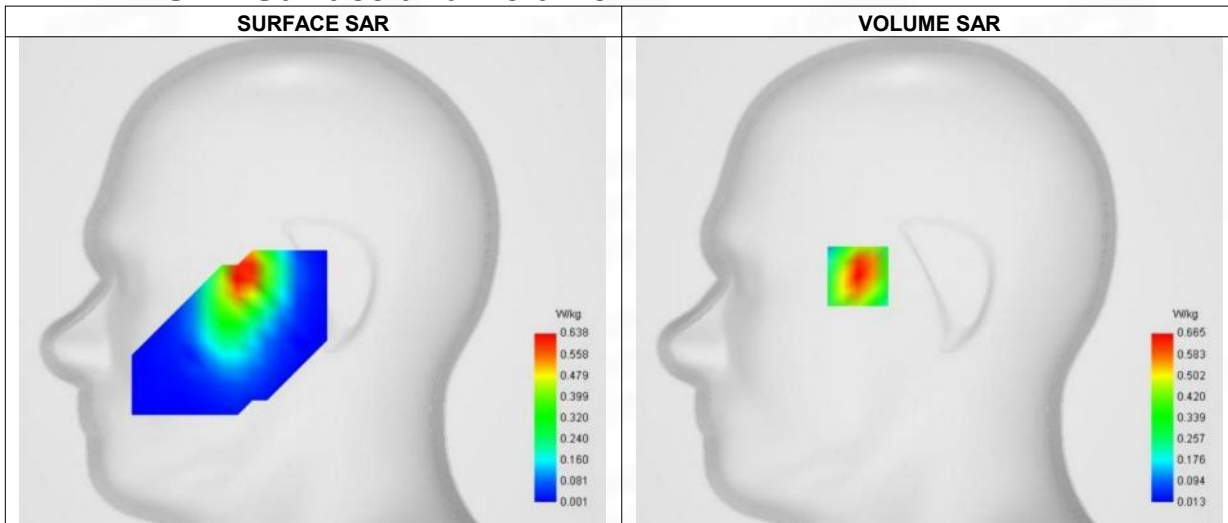
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Middle (132322)/ frequency 1745.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1745.090
Relative permittivity (real part)	40.179
Relative permittivity (imaginary part)	15.189
Conductivity (S/m)	1.338

C. SAR Surface and Volume



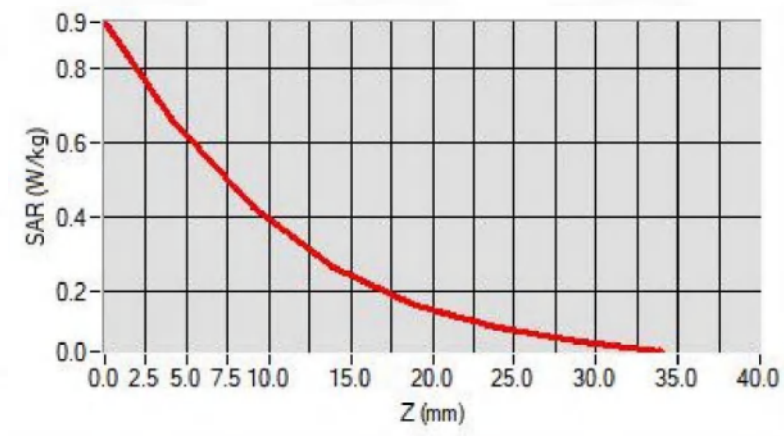
Maximum location: X=-38.00, Y=2.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

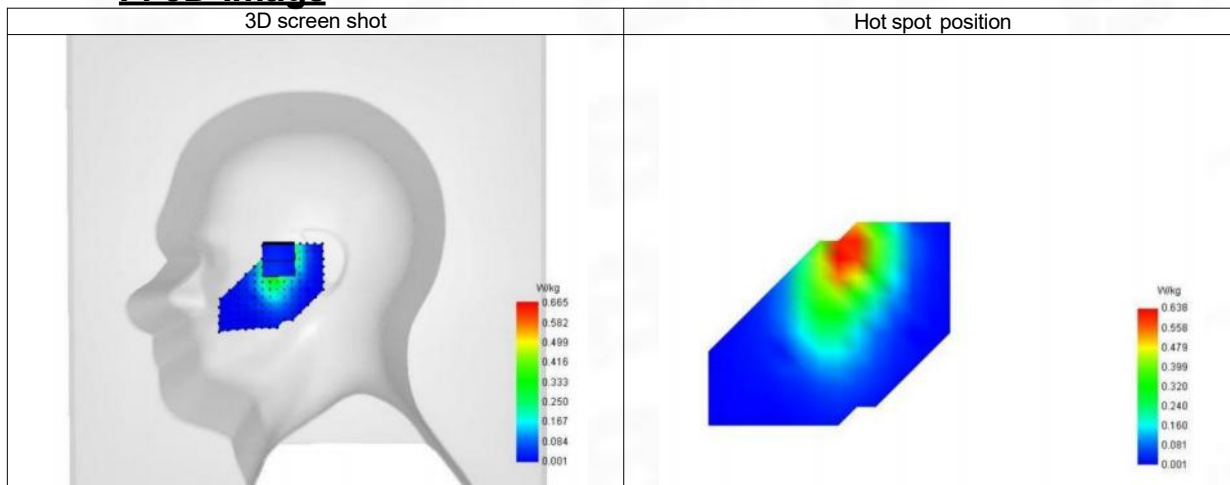
SAR 10g (W/Kg)	0.357
SAR 1g (W/Kg)	0.626
Variation (%)	-2.470
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.240741

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.927	0.665	0.427	0.267	0.164	0.102	0.063



E. 3D Image



34-Body with front position in dist. 10mm on Channel 132322 in LTE band 66

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

Date of measurement: 13/9/2025

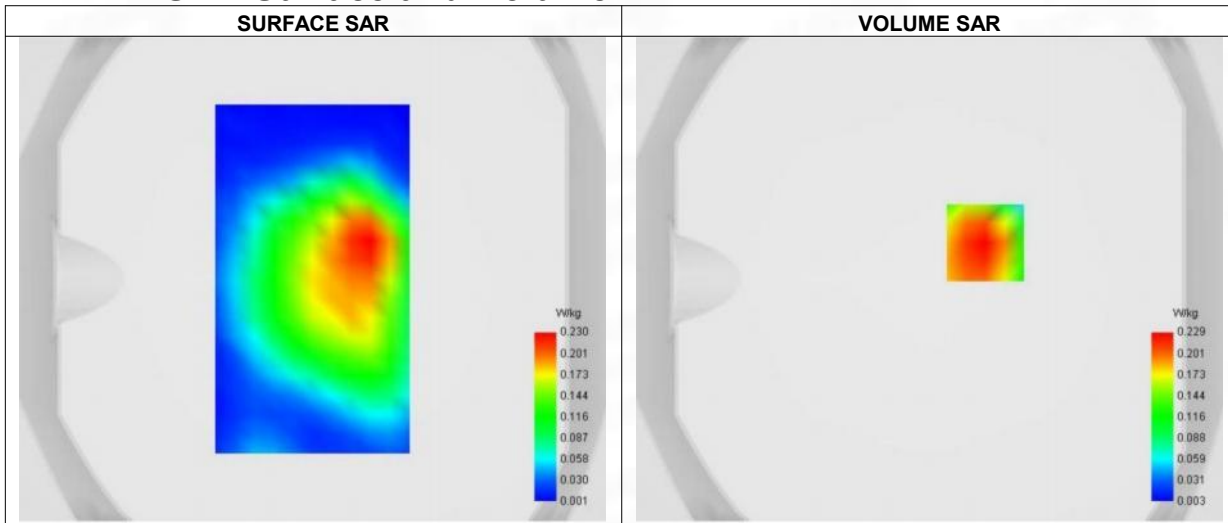
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.20
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	Middle (132322)/ frequency 1745.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1745.090
Relative permittivity (real part)	40.179
Relative permittivity (imaginary part)	15.189
Conductivity (S/m)	1.338

C. SAR Surface and Volume

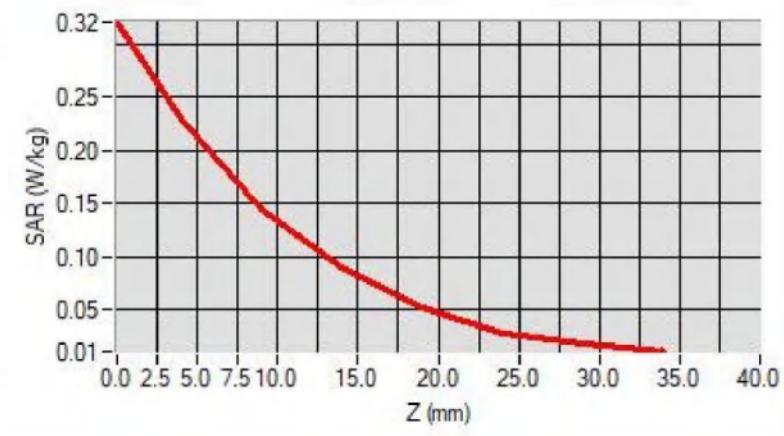


D. SAR 1g & 10g

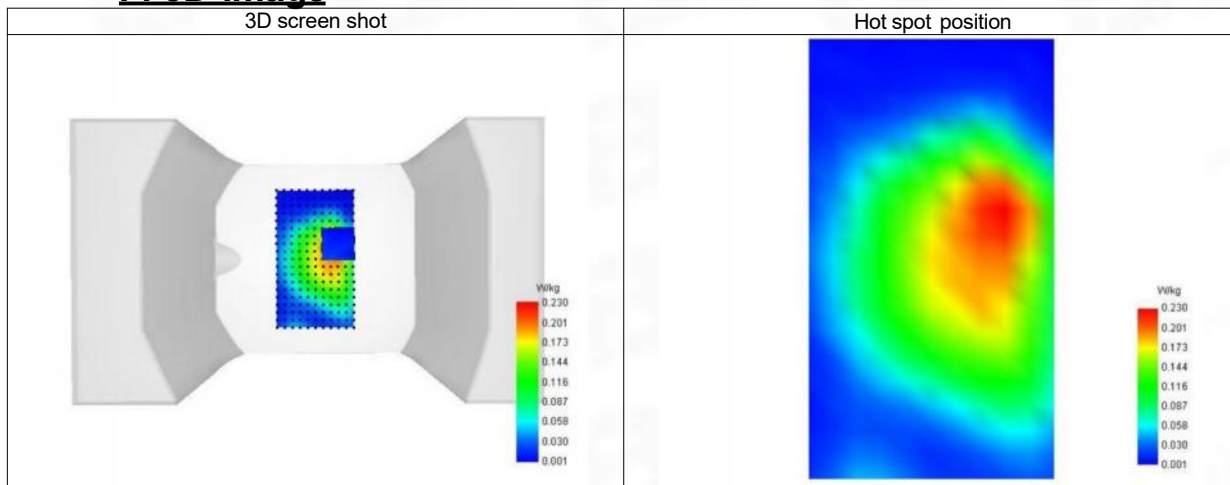
SAR 10g (W/Kg)	0.129
SAR 1g (W/Kg)	0.216
Variation (%)	2.390
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	63.198420

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.320	0.229	0.145	0.090	0.052	0.029	0.018



E. 3D Image



35-Head with front position in dist. 0mm on Channel 133322 in LTE band 71

SAR Measurement at LTE band 71 (Cheek, Right)

Date of measurement: 9/9/2025

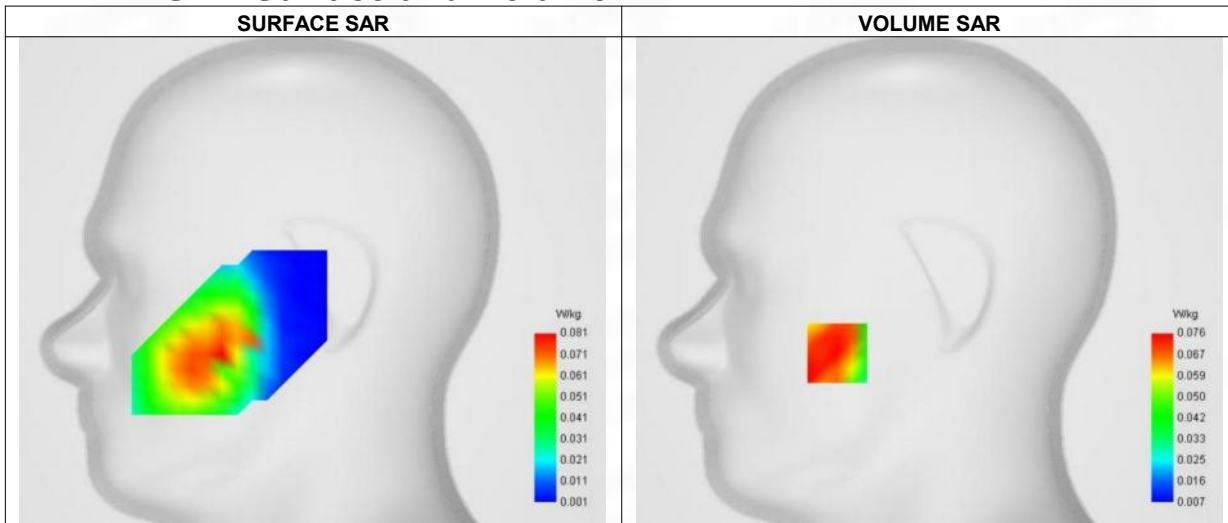
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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	Middle (133322)/ frequency 683.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	683.090
Relative permittivity (real part)	41.656
Relative permittivity (imaginary part)	22.846
Conductivity (S/m)	0.858

C. SAR Surface and Volume



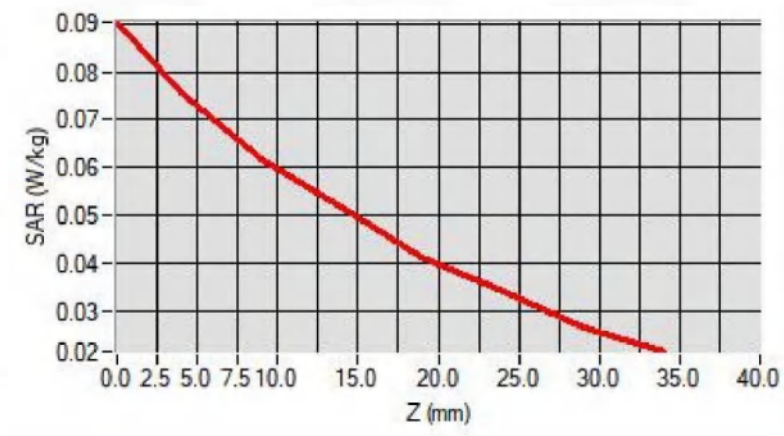
Maximum location: X=-49.00, Y=-39.00 ; SAR Peak: 0.10 W/kg

D. SAR 1g & 10g

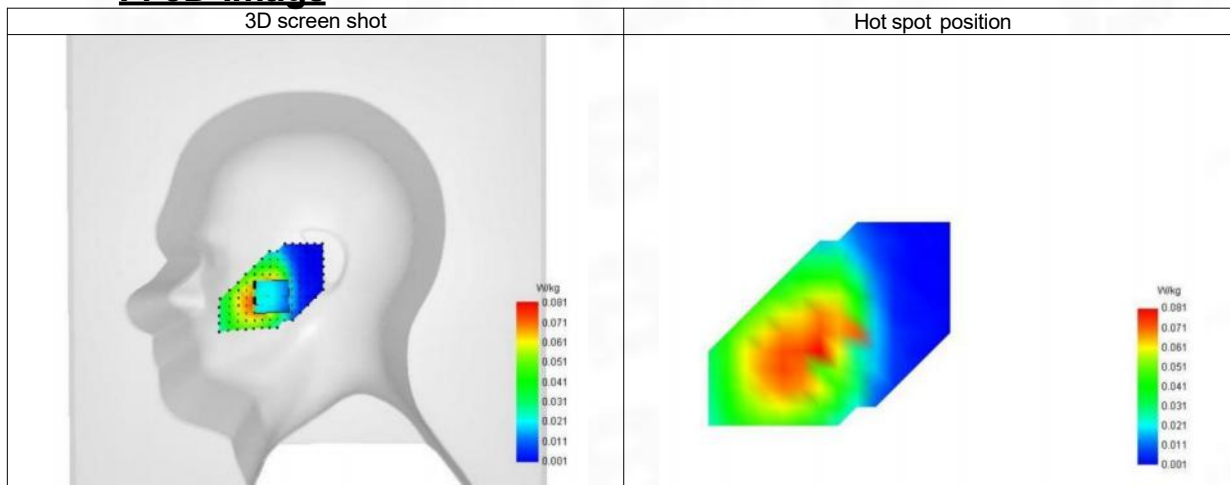
SAR 10g (W/Kg)	0.050
SAR 1g (W/Kg)	0.073
Variation (%)	-3.200
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	70.930233

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.090	0.086	0.061	0.051	0.041	0.034	0.027



E. 3D Image



36-Body with front position in dist. 10mm on Channel 133322 in LTE band 71

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

Date of measurement: 9/9/2025

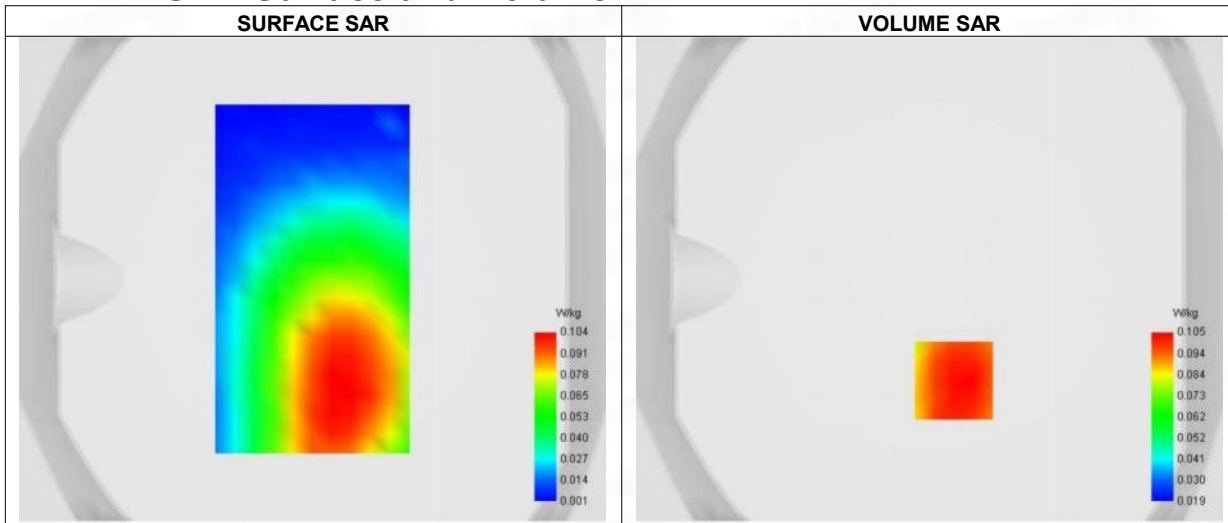
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.24
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	Middle (133322)/ frequency 683.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	683.090
Relative permittivity (real part)	41.656
Relative permittivity (imaginary part)	22.846
Conductivity (S/m)	0.858

C. SAR Surface and Volume

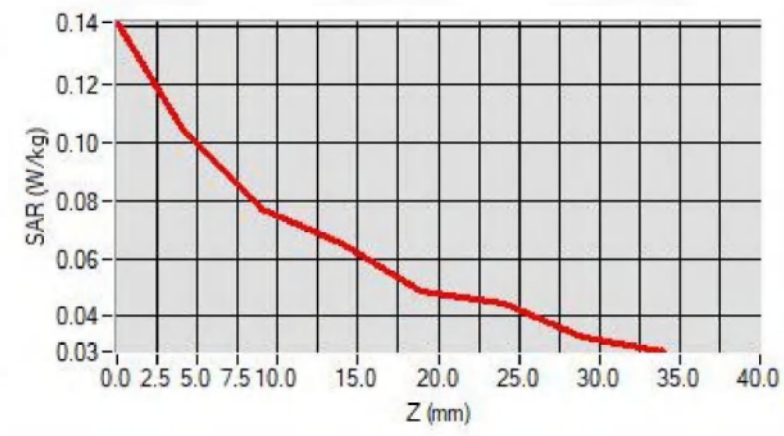


D. SAR 1g & 10g

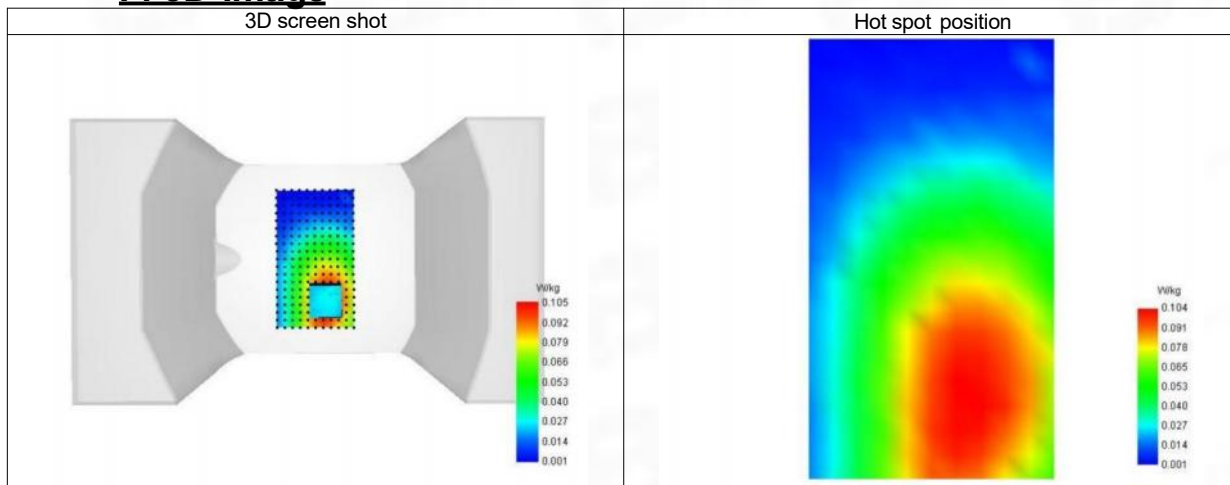
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.103
Variation (%)	1.480
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	73.333333

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.141	0.105	0.077	0.065	0.048	0.044	0.033



E. 3D Image



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

SAR Measurement at ISM (Cheek, Right)

Date of measurement: 16/9/2025

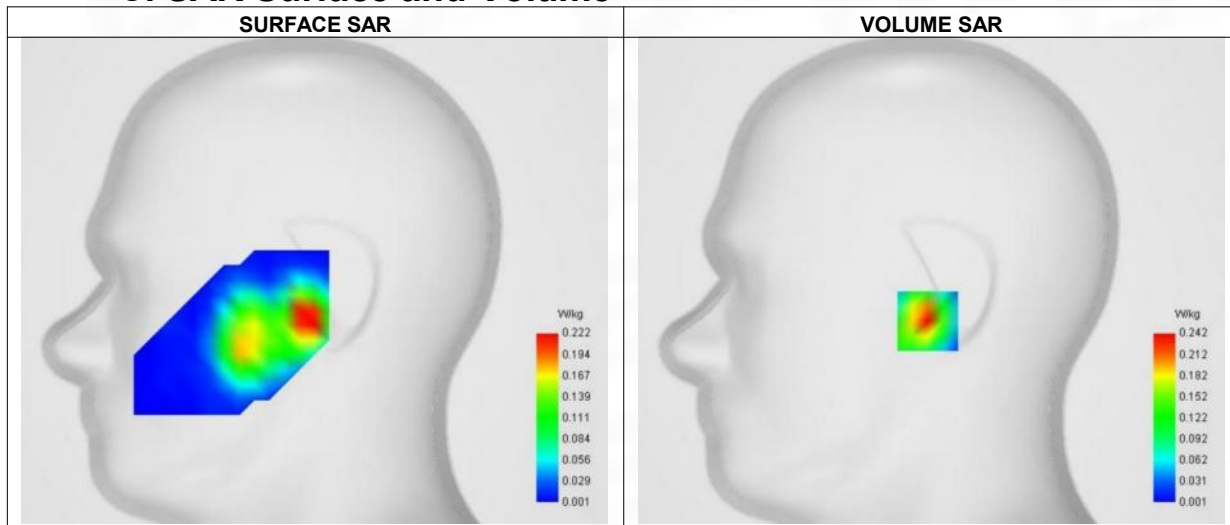
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
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)	38.855
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.773

C. SAR Surface and Volume



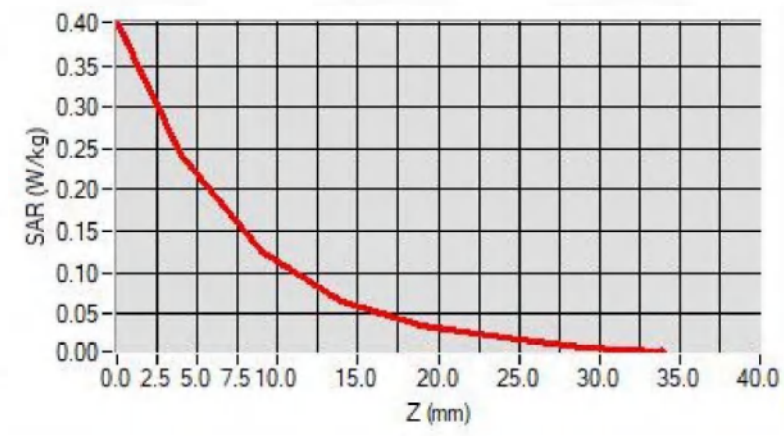
Maximum location: X=-2.00, Y=-22.00 ; SAR Peak: 0.41 W/kg

D. SAR 1g & 10g

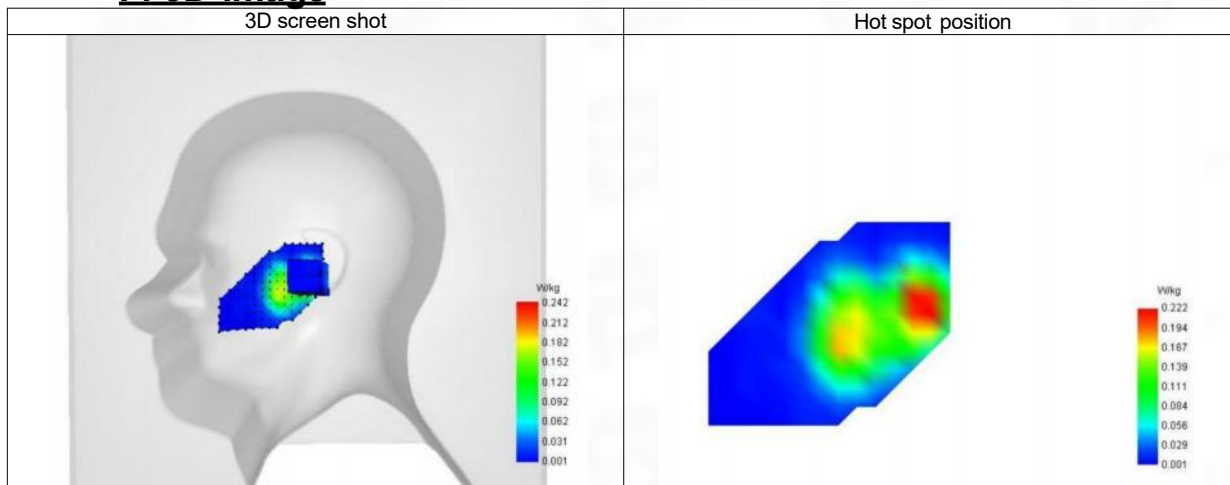
SAR 10g (W/Kg)	0.104
SAR 1g (W/Kg)	0.224
Variation (%)	-0.960
Horizontal validation criteria: minimum distance (mm)	17.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	51.712196

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.402	0.242	0.125	0.066	0.036	0.023	0.009



E. 3D Image



38-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: 16/9/2025

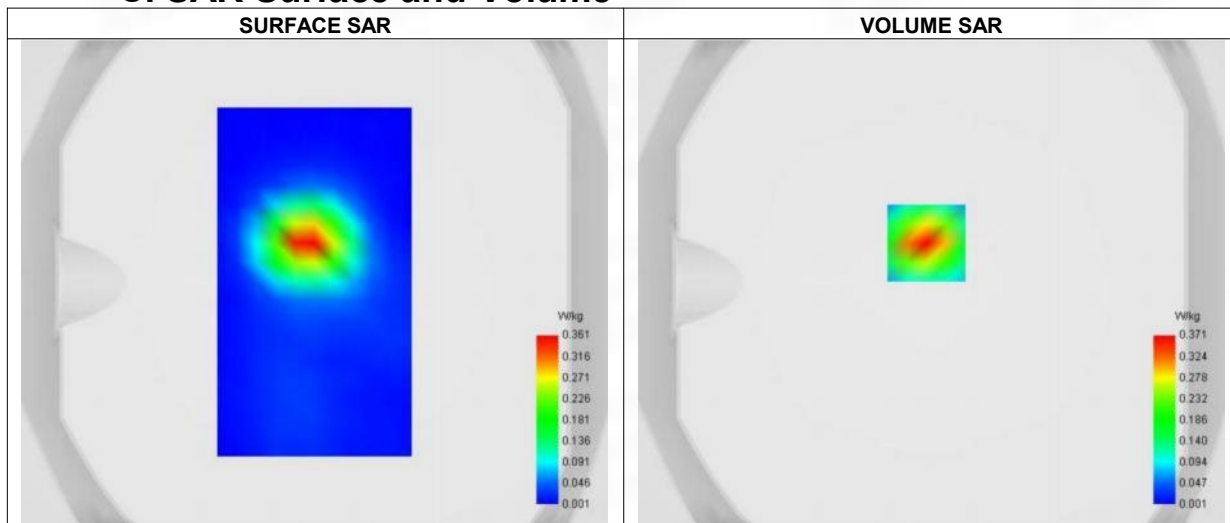
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
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)	38.855
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.773

C. SAR Surface and Volume

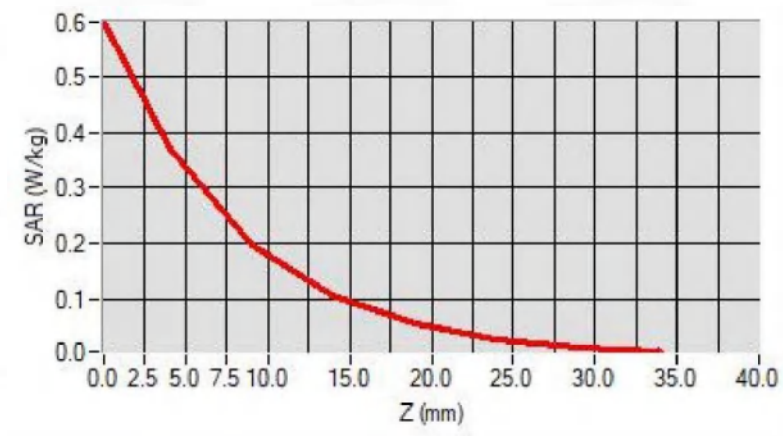


D. SAR 1g & 10g

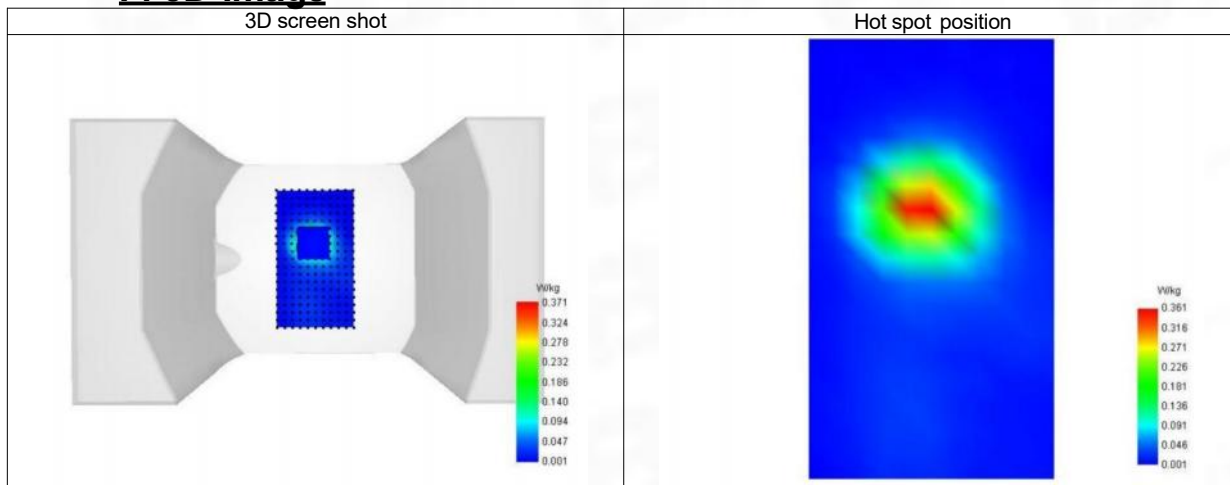
SAR 10g (W/Kg)	0.165
SAR 1g (W/Kg)	0.344
Variation (%)	-4.920
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.777708

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.597	0.371	0.196	0.107	0.055	0.029	0.014



E. 3D Image



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

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

Date of measurement: 18/9/2025

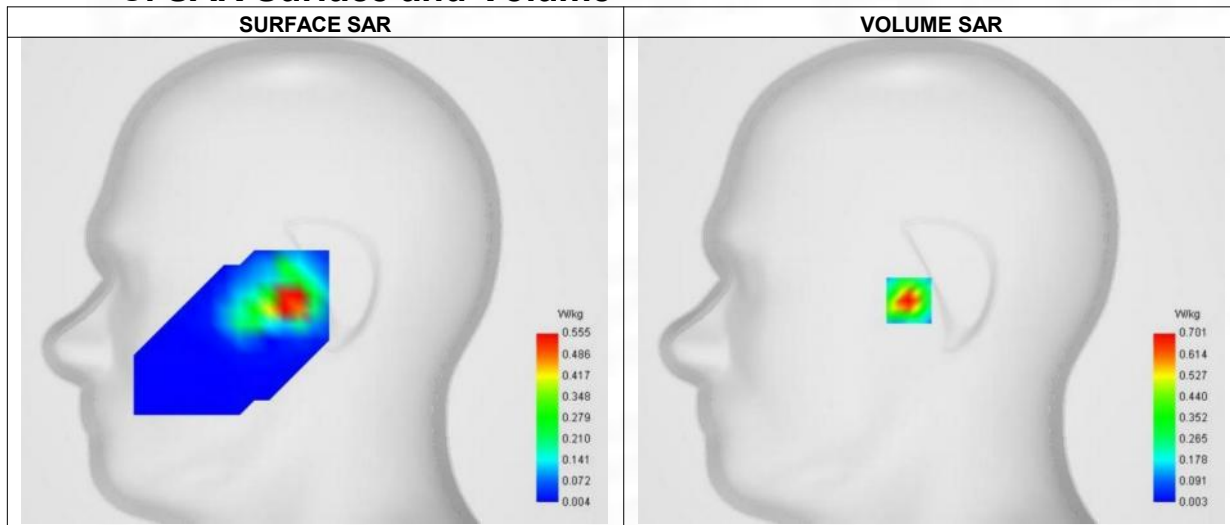
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.18
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	Higher (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	36.837
Relative permittivity (imaginary part)	16.438
Conductivity (S/m)	4.594

C. SAR Surface and Volume



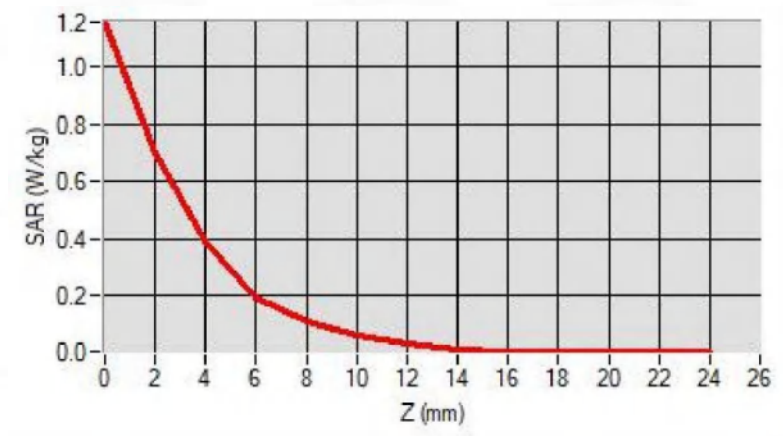
Maximum location: X=-12.00, Y=-11.00 ; SAR Peak: 1.76 W/kg

D. SAR 1g & 10g

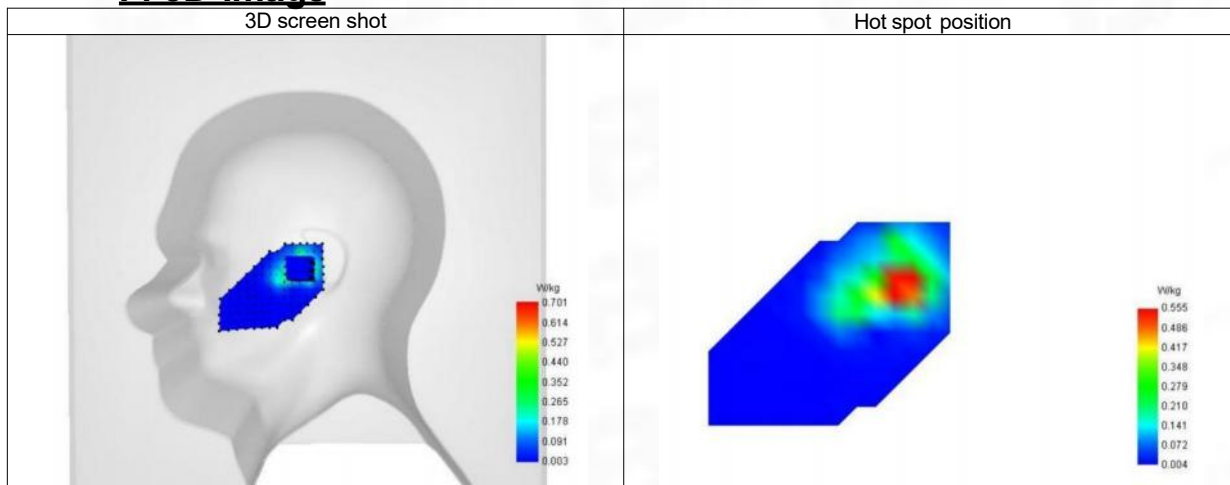
SAR 10g (W/Kg)	0.213
SAR 1g (W/Kg)	0.645
Variation (%)	-2.300
Horizontal validation criteria: minimum distance (mm)	18.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	55.504434

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)	1.156	0.701	0.389	0.191	0.110	0.058	0.032	0.009	0.006	0.003	0.004	0.004



E. 3D Image



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

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

Date of measurement: 18/9/2025

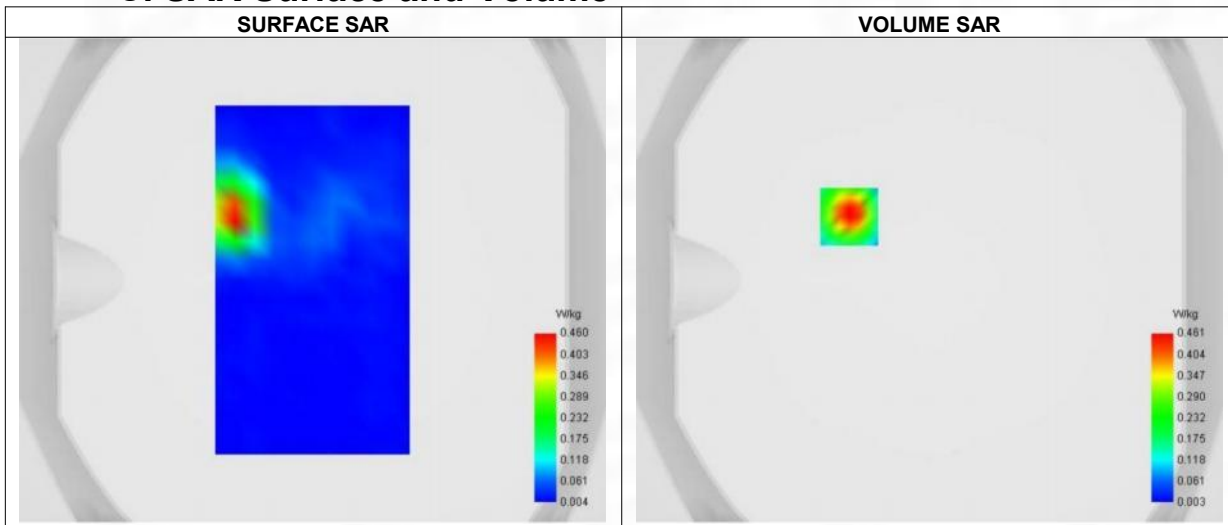
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.18
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	Higher (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	36.837
Relative permittivity (imaginary part)	16.438
Conductivity (S/m)	4.594

C. SAR Surface and Volume



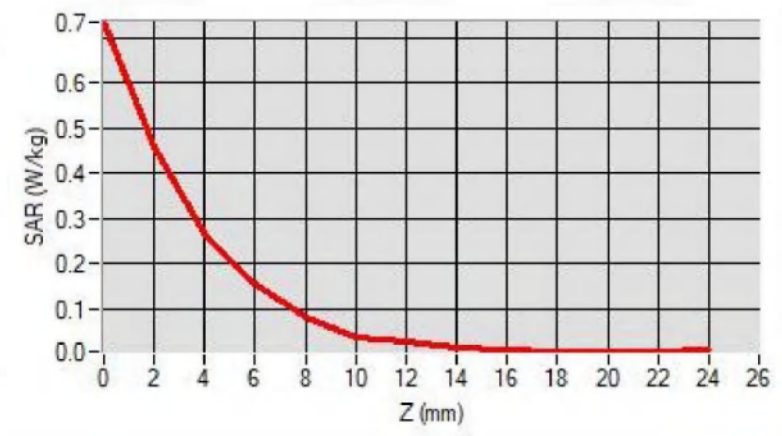
Maximum location: X=-33.00, Y=26.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

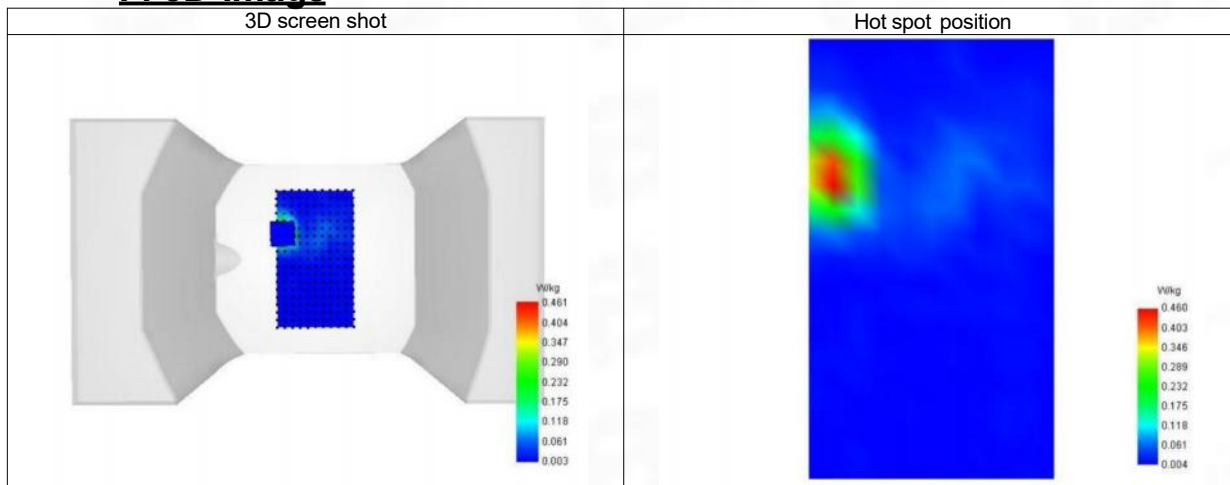
SAR 10g (W/Kg)	0.095
SAR 1g (W/Kg)	0.277
Variation (%)	-2.260
Horizontal validation criteria: minimum distance (mm)	17.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	58.006424

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)	0.736	0.461	0.268	0.155	0.078	0.035	0.028	0.011	0.007	0.004	0.005	0.004



E. 3D Image



41-Head with front position in dist. 0mm on Channel 52 in IEEE 802.11a U-NII

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

Date of measurement: 18/9/2025

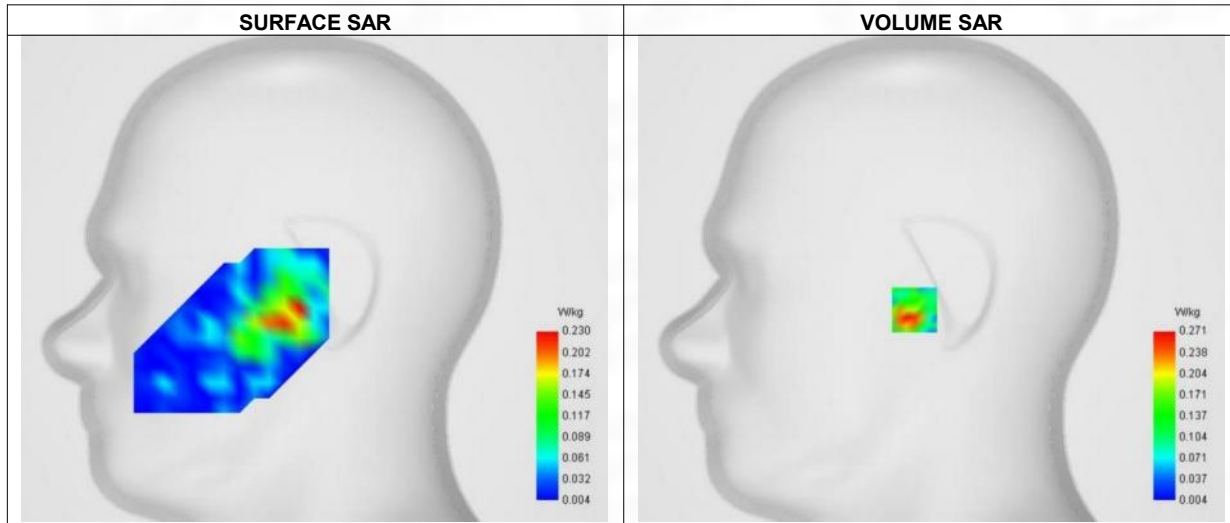
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.14
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	Higher (64)/ frequency 5260.000 Mhz
Signal	IEEE 802.11 a

B. Permittivity

Middle TX Frequency (MHz)	5260.000
Relative permittivity (real part)	36.807
Relative permittivity (imaginary part)	16.516
Conductivity (S/m)	4.645

C. SAR Surface and Volume



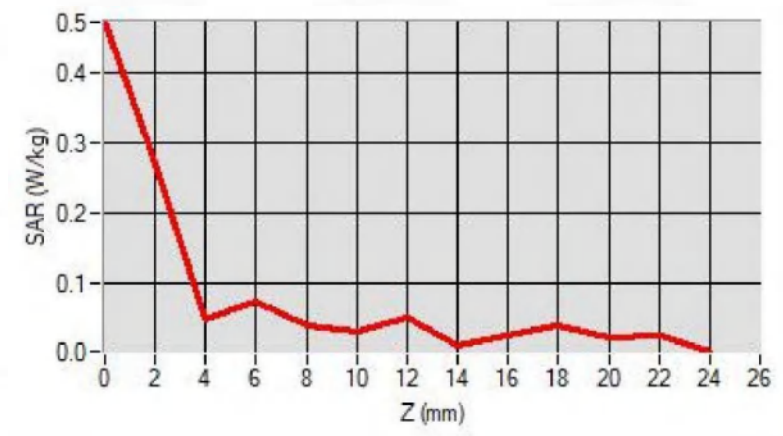
Maximum location: X=-9.00, Y=-17.00 ; SAR Peak: 1.03 W/kg

D. SAR 1g & 10g

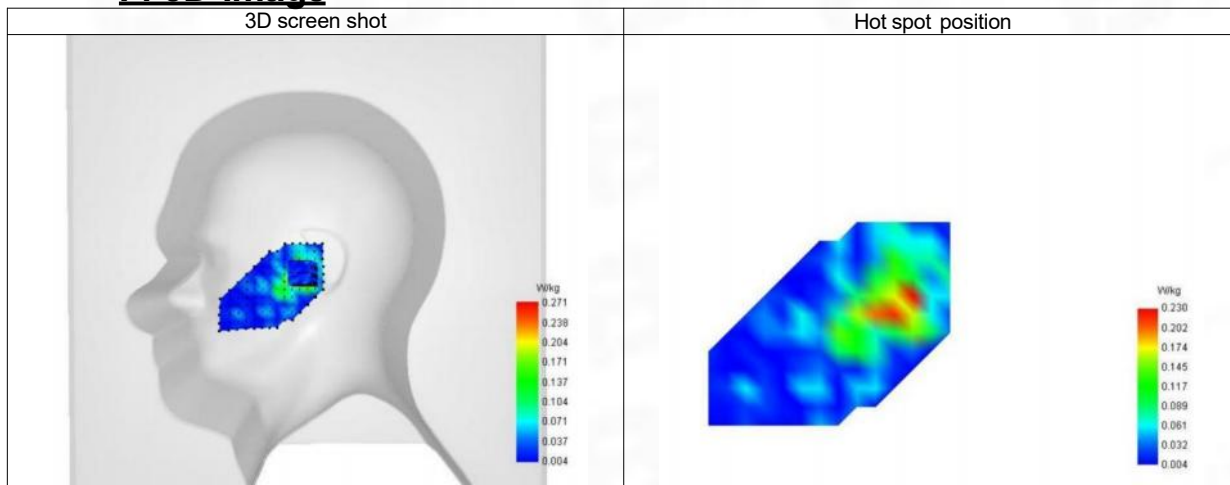
SAR 10g (W/Kg)	0.077
SAR 1g (W/Kg)	0.212
Variation (%)	1.490
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	55.470188

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)	0.470	0.271	0.049	0.077	0.042	0.033	0.054	0.014	0.026	0.042	0.024	0.028



E. 3D Image



42-Body with back position in dist. 10mm on Channel 52 in IEEE 802.11a U-NII

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

Date of measurement: 18/9/2025

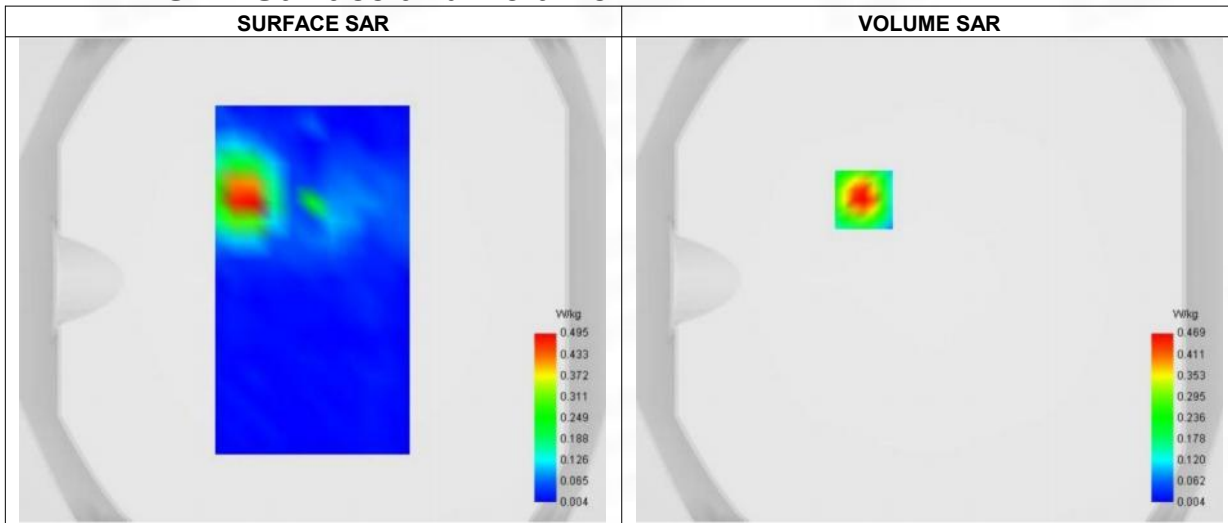
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.18
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	Lower (52)/ frequency 5260.000 Mhz
Signal	IEEE 802.11 a

B. Permittivity

Middle TX Frequency (MHz)	5260.000
Relative permittivity (real part)	36.807
Relative permittivity (imaginary part)	16.516
Conductivity (S/m)	4.645

C. SAR Surface and Volume



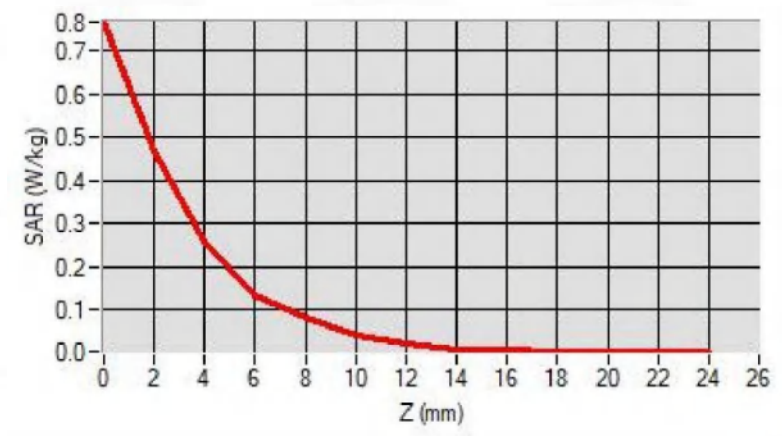
Maximum location: X=-27.00, Y=33.00 ; SAR Peak: 0.82 W/kg

D. SAR 1g & 10g

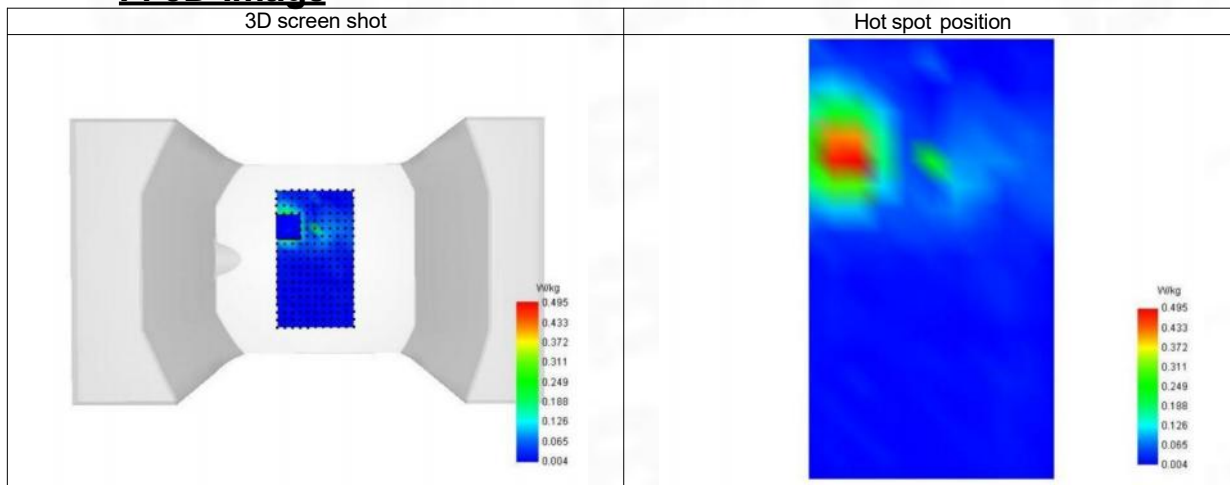
SAR 10g (W/Kg)	0.100
SAR 1g (W/Kg)	0.278
Variation (%)	-4.870
Horizontal validation criteria: minimum distance (mm)	10.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.538242

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)	0.767	0.469	0.261	0.134	0.082	0.043	0.025	0.011	0.011	0.006	0.004	0.004



E. 3D Image



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

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

Date of measurement: 19/9/2025

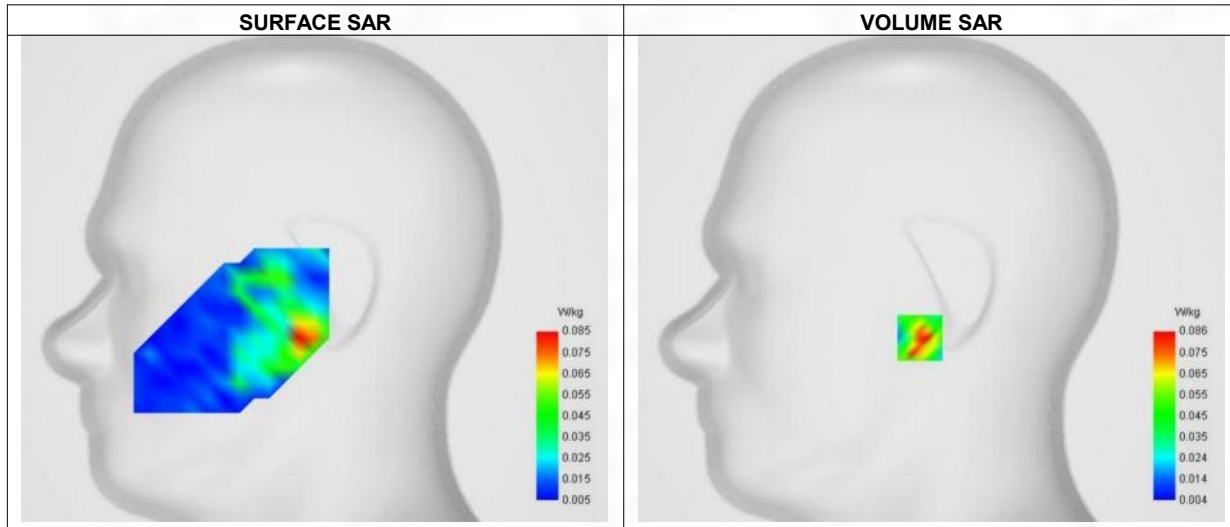
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.14
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	Lower (100)/ frequency 5500.000 Mhz
Signal	IEEE 802.11 a

B. Permittivity

Middle TX Frequency (MHz)	5500.000
Relative permittivity (real part)	35.859
Relative permittivity (imaginary part)	16.599
Conductivity (S/m)	4.988

C. SAR Surface and Volume



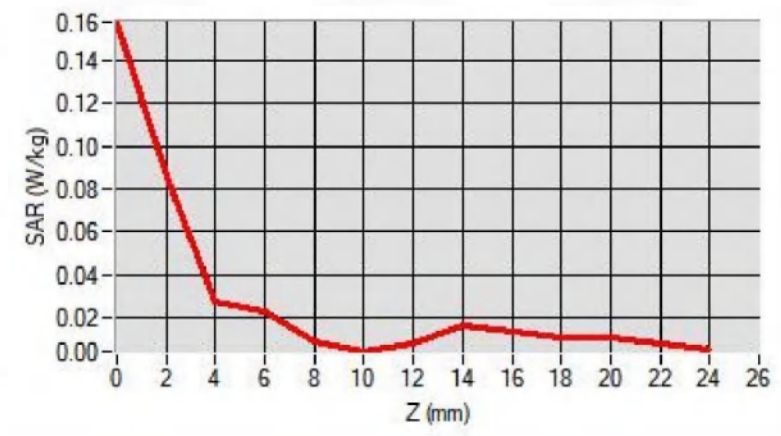
Maximum location: X=-6.00, Y=-32.00 ; SAR Peak: 0.28 W/kg

D. SAR 1g & 10g

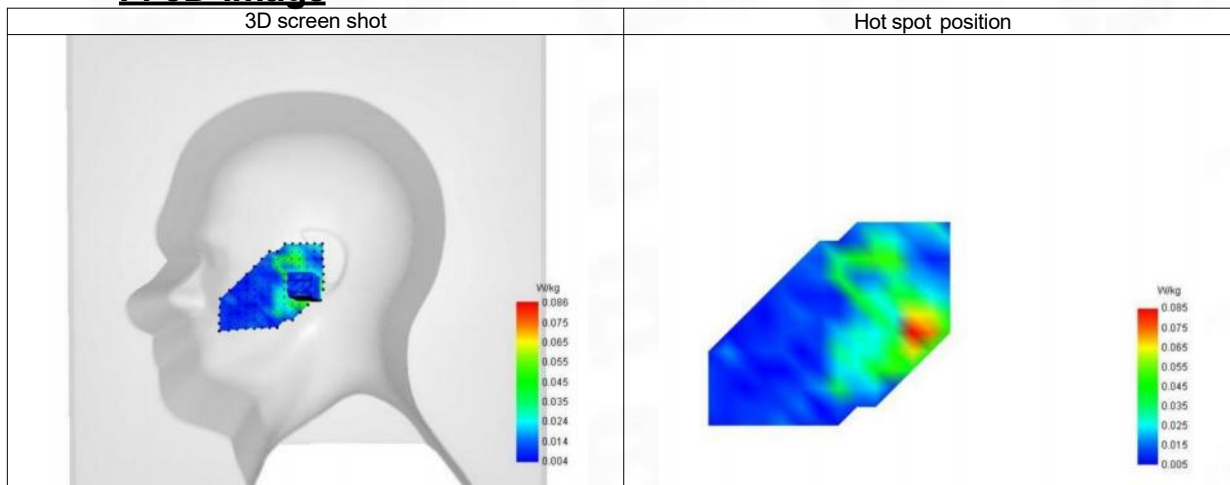
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.083
Variation (%)	-1.880
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.594793

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)	0.158	0.086	0.028	0.023	0.008	0.004	0.008	0.016	0.013	0.011	0.011	0.008



E. 3D Image



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

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

Date of measurement: 19/9/2025

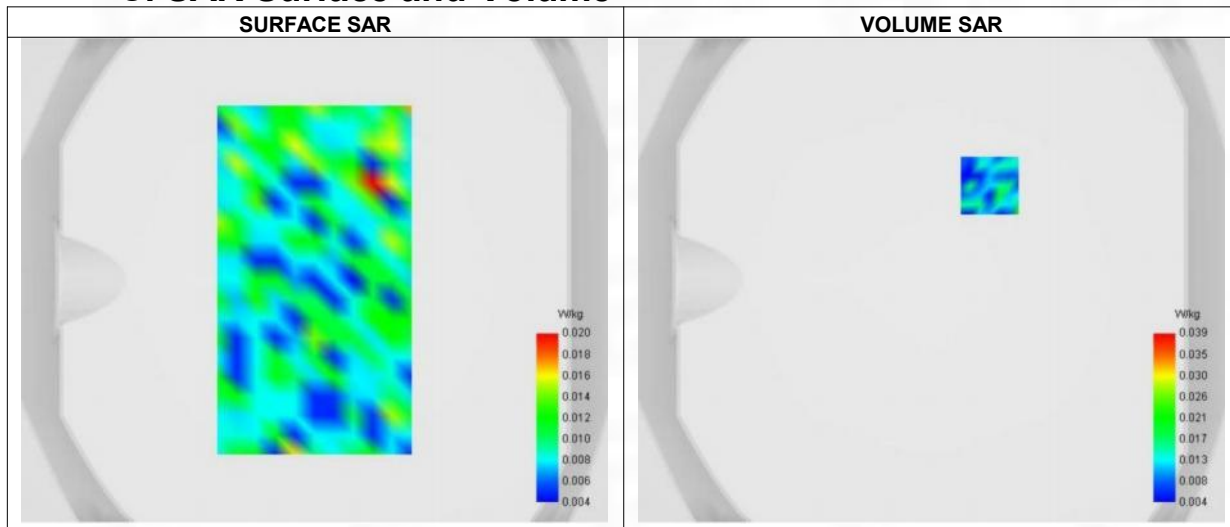
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.14
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	Lower (100)/ frequency 5500.000 Mhz
Signal	IEEE 802.11 a

B. Permittivity

Middle TX Frequency (MHz)	5500.000
Relative permittivity (real part)	35.859
Relative permittivity (imaginary part)	16.599
Conductivity (S/m)	4.988

C. SAR Surface and Volume



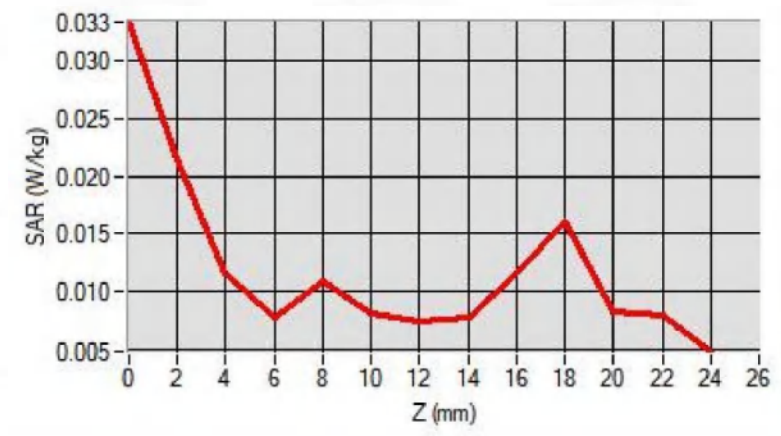
Maximum location: X=24.00, Y=39.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

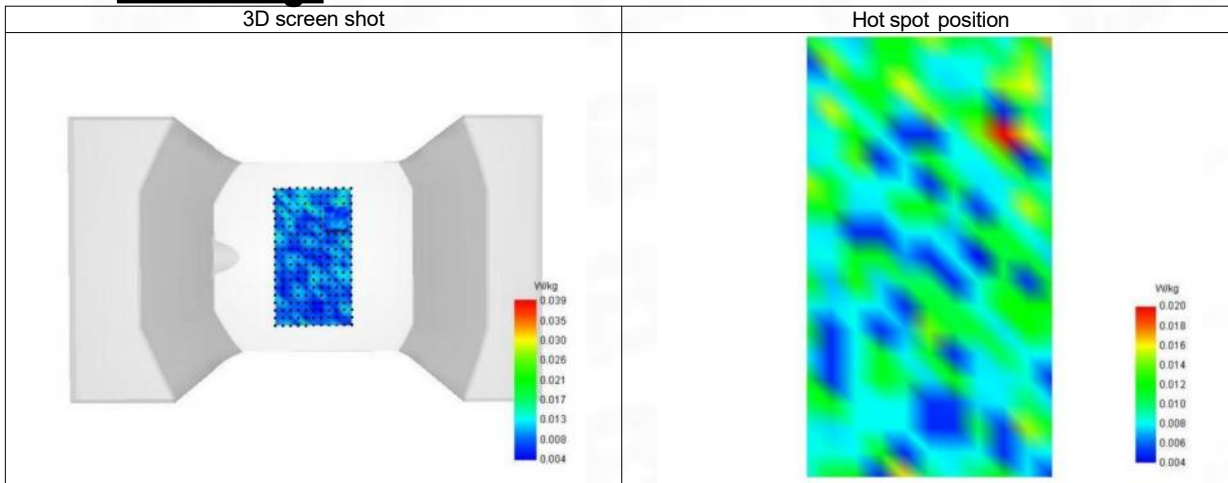
SAR 10g (W/Kg)	0.006
SAR 1g (W/Kg)	0.012
Variation (%)	-4.200
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	22.159250

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)	0.033	0.022	0.012	0.008	0.011	0.008	0.007	0.008	0.012	0.016	0.008	0.008



F. 3D Image



45-Head with front position in dist. 0mm on Channel 155 in IEEE 802.11ac U-NII

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

Date of measurement: 19/9/2025

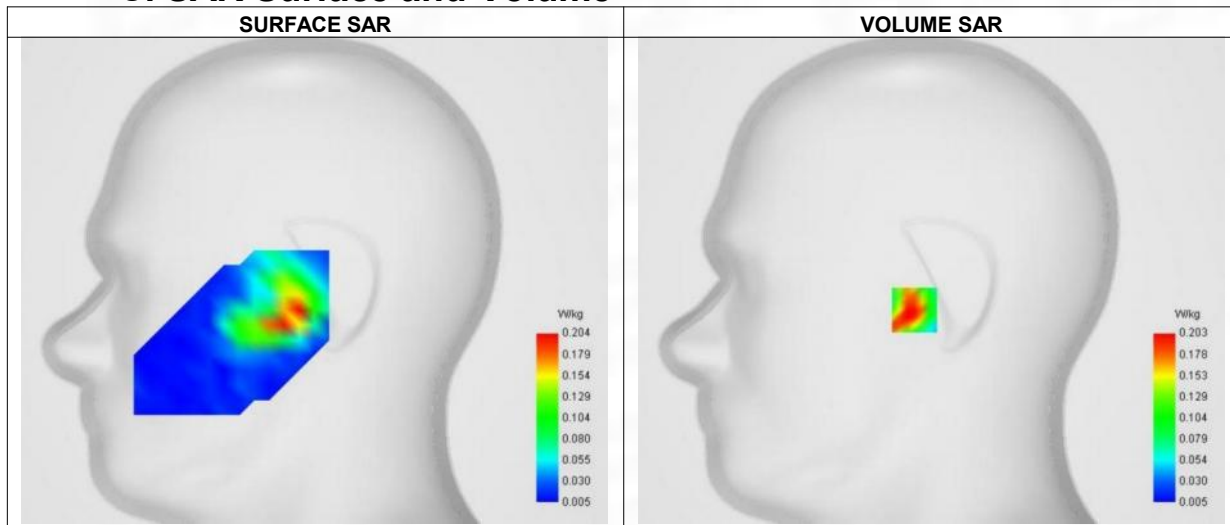
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.11
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-2
Channels/Frequency	Middle (155)/ frequency 5775.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5775.000
Relative permittivity (real part)	35.632
Relative permittivity (imaginary part)	16.409
Conductivity (S/m)	5.364

C. SAR Surface and Volume

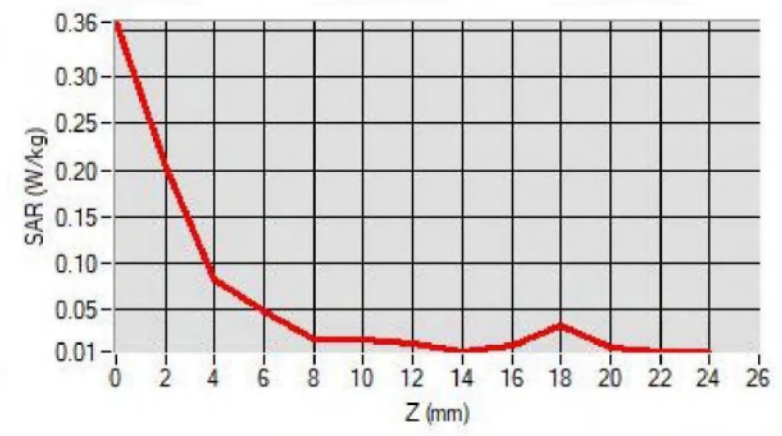


D. SAR 1g & 10g

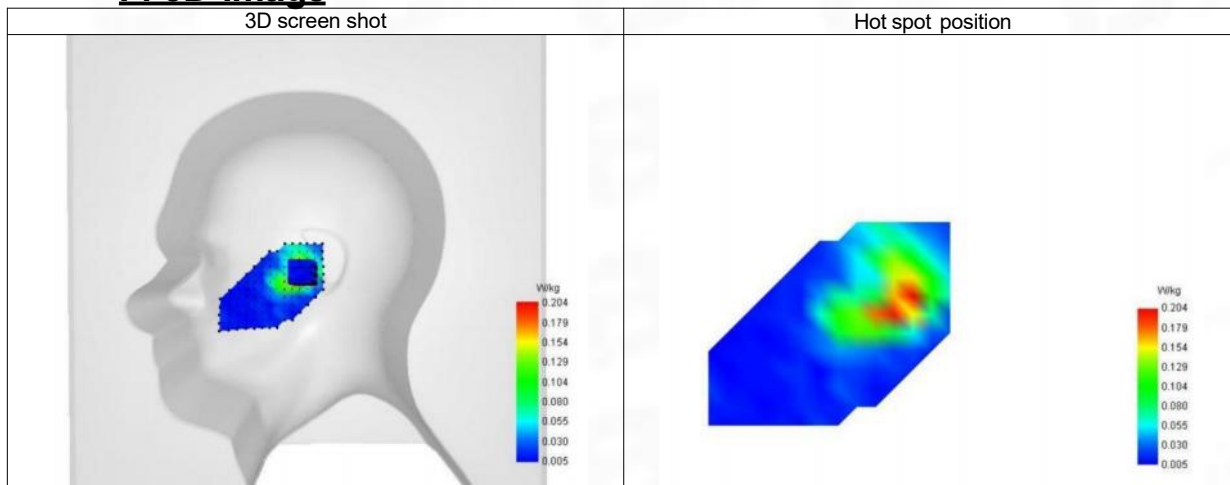
SAR 10g (W/Kg)	0.065
SAR 1g (W/Kg)	0.204
Variation (%)	-3.690
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	52.233927

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)	0.359	0.203	0.082	0.047	0.017	0.018	0.013	0.005	0.012	0.032	0.009	0.005



E. 3D Image



46-Body with back position in dist. 10mm on Channel 155 in IEEE 802.11ac U-NII

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

Date of measurement: 19/9/2025

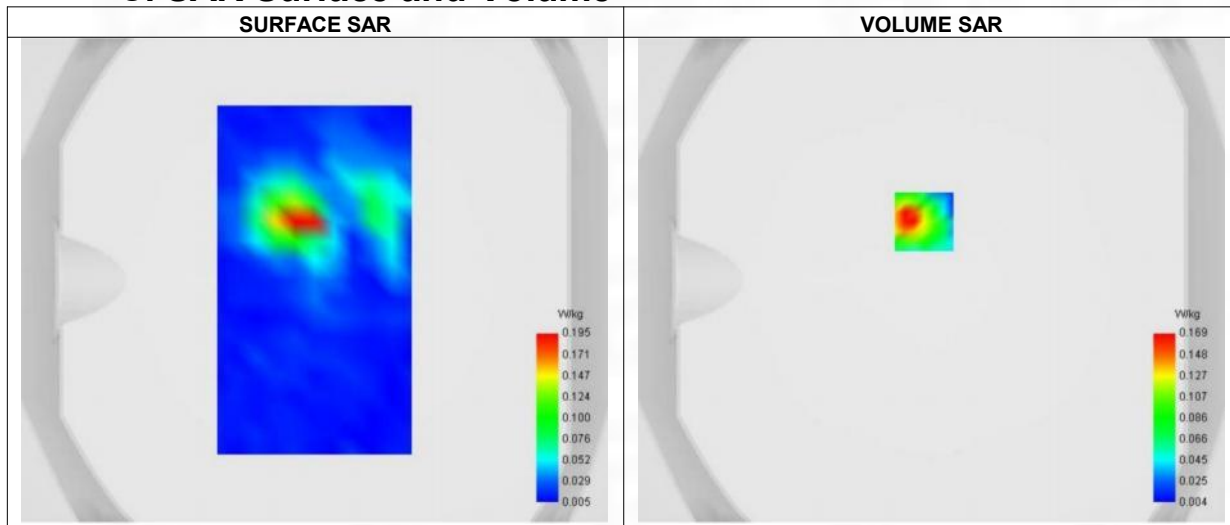
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.11
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-2
Channels/Frequency	Middle (155)/ frequency 5775.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5775.000
Relative permittivity (real part)	35.632
Relative permittivity (imaginary part)	16.409
Conductivity (S/m)	5.364

C. SAR Surface and Volume



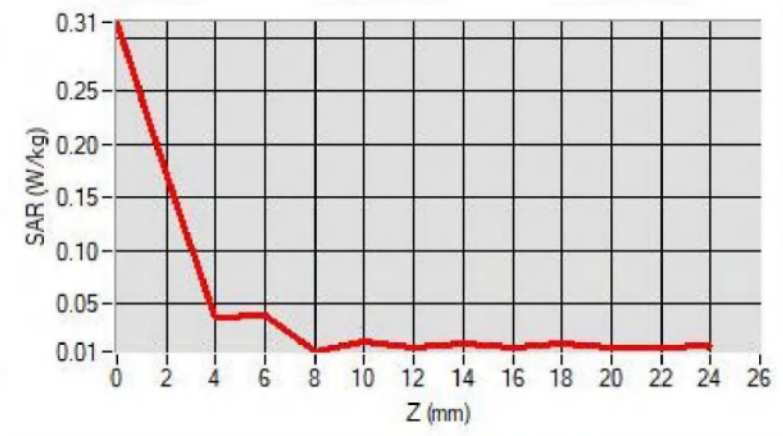
Maximum location: X=-3.00, Y=24.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

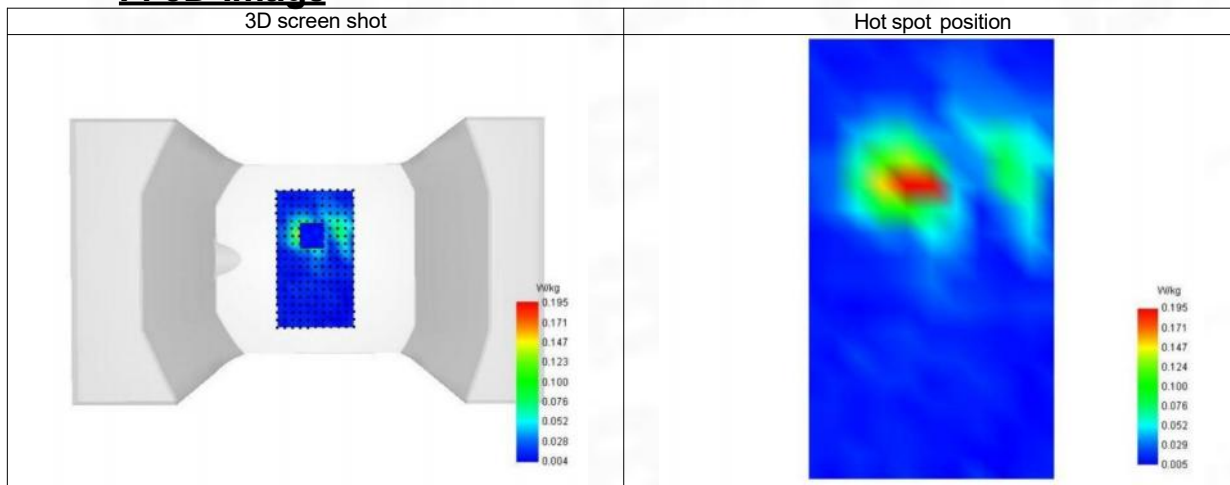
SAR 10g (W/Kg)	0.032
SAR 1g (W/Kg)	0.098
Variation (%)	1.940
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	46.025838

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)	0.314	0.169	0.037	0.040	0.005	0.015	0.008	0.012	0.009	0.012	0.008	0.008



E. 3D Image



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

SAR Measurement at Bluetooth (Cheek, Right)

Date of measurement: 16/9/2025

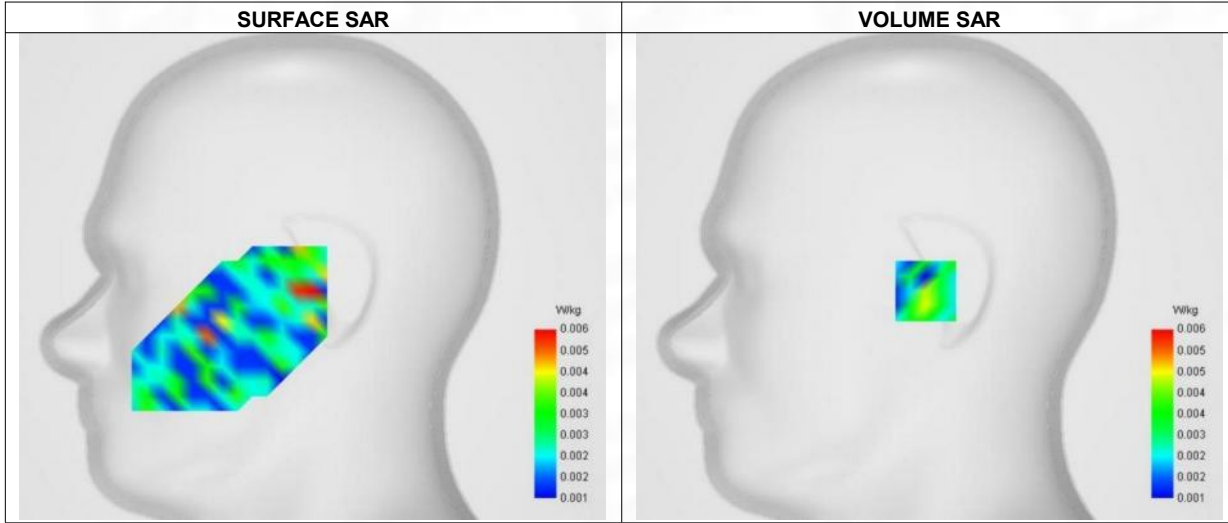
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
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)	38.845
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.775

C. SAR Surface and Volume



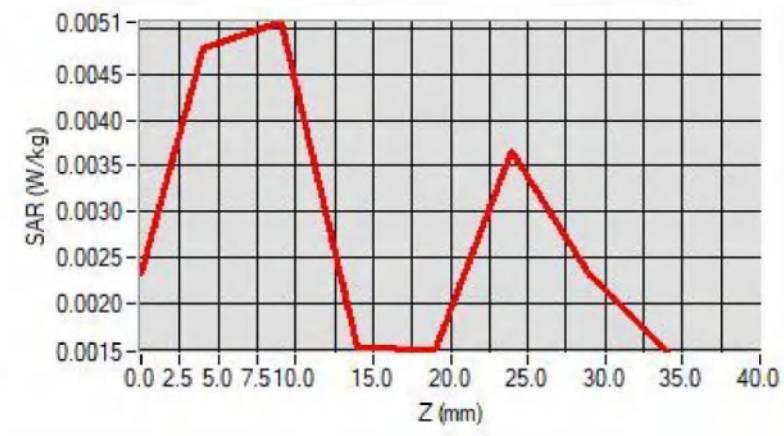
Maximum location: X=-2.00, Y=-8.00 ; SAR Peak: 0.01 W/kg

D. SAR 1g & 10g

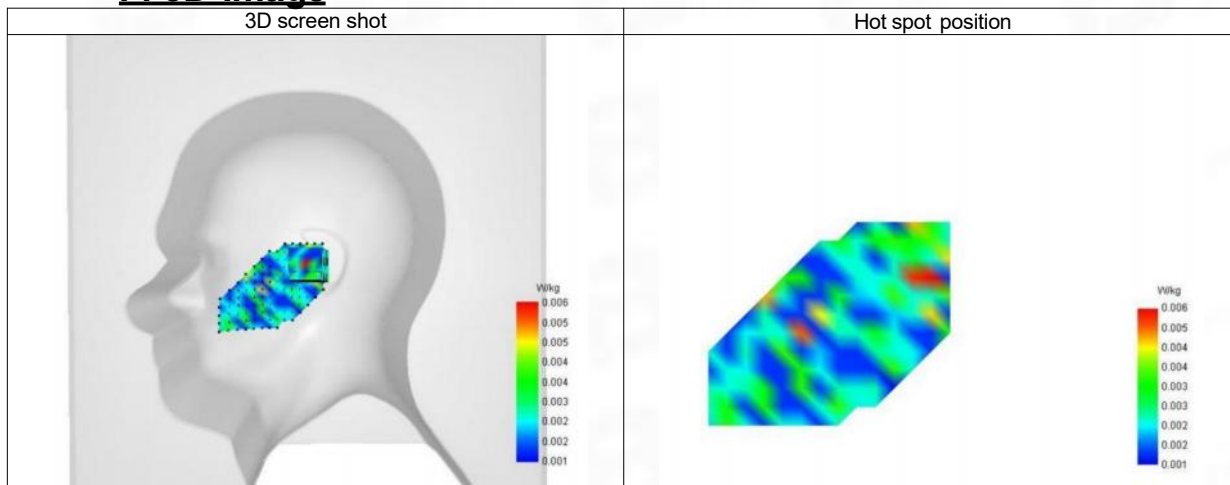
SAR 10g (W/Kg)	0.003
SAR 1g (W/Kg)	0.004
Variation (%)	1.090
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	75.785396

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.002	0.005	0.005	0.002	0.002	0.004	0.002



E. 3D Image



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

SAR Measurement at Bluetooth (Body, Validation Plane)

Date of measurement: 16/9/2025

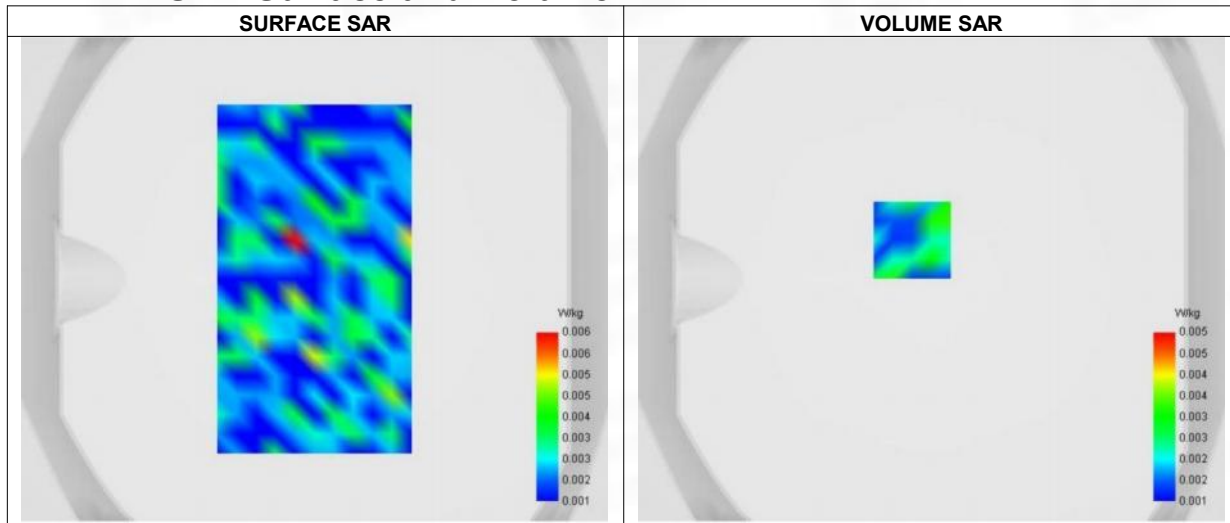
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
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)	38.845
Relative permittivity (imaginary part)	13.645
Conductivity (S/m)	1.775

C. SAR Surface and Volume



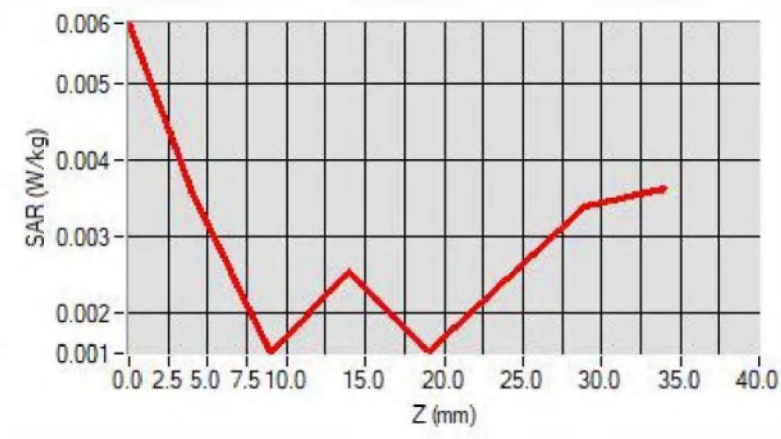
Maximum location: X=-8.00, Y=16.00 ; SAR Peak: 0.01 W/kg

D. SAR 1g & 10g

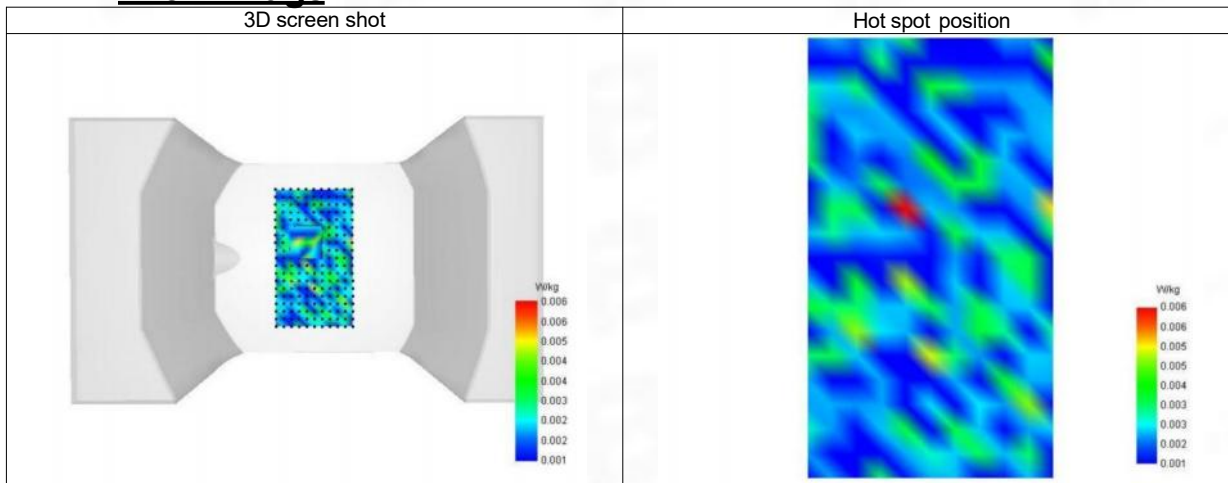
SAR 10g (W/Kg)	0.002
SAR 1g (W/Kg)	0.003
Variation (%)	2.840
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	70.985810

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.006	0.004	0.001	0.003	0.002	0.002	0.003

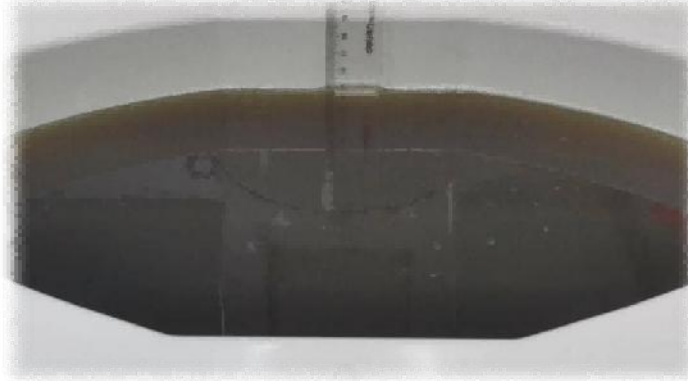


F. 3D Image



ANNEX D SAR Test Setup Photos

Reference Photo: simulation liquid depth 15cm



Please refer to the Appendix 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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--END OF REPORT--