



SAR Test Report

For

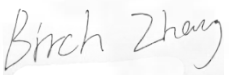
Applicant Name: UNNECTO HOLDING LIMITED
Address: 13/F HARBOUR COMMERCIAL BUILDING 122-124
CONNAUGHT ROAD CENTRAL SHEUNG WAN HK
EUT Name: Mobile Phone
Model Name: Eco 1

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial
Park, Tantou Community, Songgang Street, Bao'an District,
Shenzhen, Guangdong, China
Report Number: BTF251210R00501

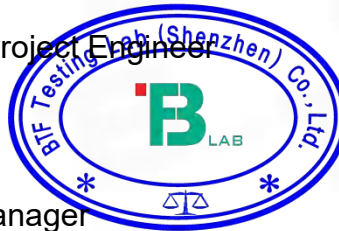
Test Standards: FCC 47 CFR§2.1093 IEEE Std. 1528-2013 IEEE C95.1-2019
FCC ID: 2ADR3UE001

Test Conclusion: Pass
Test Date: 2025-12-10 to 2025-12-29
Date of Issue: 2026-01-30

Tested By: 
Birch Zhang / Tester
Date: 2026-01-30

Prepared By: 
Amenda Zhong / Project Engineer
Date: 2026-01-30

Approved By: 
Ryan.CJ / EMC Manager
Date: 2026-01-30



Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue Date	Revisions Content
R_V0	2026-01-30	Original
Note:		Once the revision has been made, then previous versions reports are invalid.

Table of Contents

1. Introduction	4
1.1 Identification of Testing Laboratory	4
1.2 Identification of the Responsible Testing Location	4
1.3 Laboratory Condition	4
1.4 Announcement	4
2. Product Information	5
2.1 Application Information	5
2.2 Manufacturer Information	5
2.3 Factory Information	5
2.4 General Description of Equipment under Test (EUT)	5
2.5 Equipment under Test Ancillary Equipment	5
2.6 Technical Information	5
3. Summary of Test Results	7
3.1 Test Standards	7
3.2 Device Category and SAR Limit	7
3.3 Test Result Summary	8
3.4 Test Uncertainty	9
4. Measurement System	11
4.1 Specific Absorption Rate (SAR) Definition	11
4.2 MVG SAR System	11
5. System Verification	16
5.1 Purpose of System Check	16
5.2 System Check Setup	16
6. TEST POSITION CONFIGURATIONS	17
6.1 Head Exposure Conditions	17
6.2 Body-worn Position Conditions	19
6.3 Hotspot Mode Exposure Position Conditions	20
6.4 Product Specific 10g Exposure Consideration	20
7. Measurement Procedure	21
7.1 Measurement Process Diagram	21
7.2 SAR Scan General Requirement	22
7.3 Measurement Procedure	23
7.4 Area & Zoom Scan Procedure	23
8. Conducted RF Output Power	24
8.1 GSM	24
8.2 WCDMA	25
8.3 LTE	26
8.4 Wi-Fi	47
8.5 Bluetooth	49
9. Test Exclusion Consideration	50
10. Test Result	51
11. SAR Measurement Variability	59
12. Simultaneous Transmission	60
12.1 Simultaneous Transmission Mode Considerations	60
12.2 Sum SAR of Simultaneous Transmission	60
13. Test Equipment List	61
ANNEX A Simulating Liquid Verification Result	62
ANNEX B System Check Result	62
ANNEX C Test Data	85
ANNEX D SAR Test Setup Photos	189
ANNEX E EUT External and Internal Photos	189
ANNEX F Calibration Information	189

1. Introduction

1.1 Identification of Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

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

1.3 Laboratory Condition

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

1.4 Announcement

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

2. Product Information

2.1 Application Information

Company Name:	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:	Luzhou Chiteng Technology co.,LTD
Address:	5th Floor, Building 16, Intelligent Terminal Industrial Park, Section 5, Jiugu Avenue, Tai'an Town, Jiangyang District, Luzhou City, Sichuan Province, P.R.China

2.4 General Description of Equipment under Test (EUT)

EUT Name	Mobile Phone
Under Test Model Name	Eco 1
Sample No.	BTFSN260120003

2.5 Equipment under Test Ancillary Equipment

Ancillary Equipment 1	Rechargeable Battery	
	Rated Capacity	4000mAh
	Nominal Voltage	3.85V

2.6 Technical Information

Network and Wireless connectivity	2G Network GSM/GPRS/EGPRS 850/1900 3G Network WCDMA/HSDPA/HSUPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/7/12/13/17/25/26/30/66/71 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)
-----------------------------------	---

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 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	LTE Band 12	TX: 698 ~ 716 MHz	RX: 728 ~ 746 MHz
	LTE Band 13	TX: 777 ~ 787 MHz	RX: 746 ~ 756 MHz
	LTE Band 17	TX: 704 ~ 716 MHz	RX: 734 ~ 746 MHz
	LTE Band 25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	LTE Band 26 part 90	TX: 814.7 ~ 823.3 MHz	RX: 859.7 ~ 868.3 MHz
	LTE Band 26 part 22	TX: 824.7 ~ 848.3 MHz	RX: 869.7 ~ 893.3 MHz
	LTE Band 30	2305 ~ 2315 MHz	
	LTE Band 38	2570 ~ 2620 MHz	
	LTE Band 41	2535 ~ 2655 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 follows:

<Highest Reported standalone SAR Summary>

Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Head 1-g SAR (0 mm Gap)	GSM 850	0.108	PCE	0.929
	GSM 1900	0.285		
	WCDMA Band II	0.324		
	WCDMA Band IV	0.247		
	WCDMA Band V	0.237		
	LTE Band 2	0.332		
	LTE Band 4	0.271		
	LTE Band 5	0.147		
	LTE Band 7	0.929		
	LTE Band 12	0.049		
	LTE Band 13	0.136		
	LTE Band 17	0.052		
	LTE Band 25	0.548		
	LTE Band 26 part 90	0.134		
	LTE Band 26 part 22	0.152		
	LTE Band 30	0.795		
	LTE Band 38	0.768		
	LTE Band 41	0.444		
	LTE Band 66	0.693		
	LTE Band 71	0.039		
	WLAN 2.4 GHz	0.394	DTS	
	WLAN 5.2 GHz	0.617	NII	
	WLAN 5.4 GHz	0.454		
	WLAN 5.6 GHz	0.428		
WLAN 5.8 GHz	0.111			
Bluetooth	0.006	DSS		
Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Hotspot(Body) 1-g SAR (10 mm Gap)	GSM 850	0.536	PCE	0.984
	GSM 1900	0.644		
	WCDMA Band II	0.481		
	WCDMA Band IV	0.720		
	WCDMA Band V	0.291		
	LTE Band 2	0.773		
	LTE Band 4	0.431		
	LTE Band 5	0.307		
	LTE Band 7	0.984		
	LTE Band 12	0.119		
	LTE Band 13	0.203		
	LTE Band 17	0.112		
	LTE Band 25	0.435		
	LTE Band 26 part 90	0.205		
	LTE Band 26 part 22	0.203		
	LTE Band 30	0.361		
	LTE Band 38	0.324		
	LTE Band 41	0.386		
	LTE Band 66	0.313		
	LTE Band 71	0.116		
	WLAN 2.4 GHz	0.151	DTS	
	WLAN 5.2 GHz	0.293	NII	
	WLAN 5.4 GHz	0.456		
	WLAN 5.6 GHz	0.434		
WLAN 5.8 GHz	0.404			
Bluetooth	0.003	DSS		

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 7 + 5.4G WIFI	1.546	1.6	Pass
Hotspot(Body) 1-g SAR (10 mm Gap)	LTE Band 7 + 5.4G WIFI	1.440	1.6	Pass

3.4 Test Uncertainty

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

Uncertainty Component	Tol (+-%)	Prob. Dist.	Div.	Unc. $u(x_i)=a(x_i)/q_i$	Ci (1g)	Ci (10g)	1g Ui (+-%)	10 g Ui (+-%)	Vi veff
Measurement System									
Probe calibration	14	N (k = 2)	2	7.00	1	1	7.00	7.00	∞
Probe calibration drift	4	R	$\sqrt{3}$	2.31	1	1	2.31	2.31	∞
Probe linearity	4.7	R	$\sqrt{3}$	2.71	1	1	2.71	2.71	∞
detection limit	1	R	$\sqrt{3}$	0.58	1	1	0.58	0.58	∞
Probe isotropy	3.5	R	$\sqrt{3}$	2.02	0.71	0.71	1.43	1.43	∞
Hemispherical Isotropy	5.9	N	1	5.90	0.71	0.71	4.19	4.19	∞
Boundary effect	1	R	1.73	0.58	1	1	0.58	0.58	∞
Integration time	1.4	R	1.73	0.81	1	1	0.81	0.81	∞
Response time	0	R	1.73	0.00	1	1	0.00	0.00	∞
Readout electronics	0.5	N	1	0.50	1	1	0.50	0.50	∞
RF ambient and noise	3	R	$\sqrt{3}$	1.73	1	1	1.73	1.73	∞
Probe positioning errors	3.28	N	1	3.28	0.33	0.33	1.08	1.08	∞
Data processing errors	2.3	R	1	1.33	1	1	1.33	1.33	∞
Conductivity measurement	4.07	N	1	2.35	0.79	0.77	1.86	1.81	∞
Permittivity measurement	5.06	N	1	2.92	0.23	0.26	0.67	0.76	∞
Liquid Conductivity - Temperature Uncertainty	2.5	R	1	1.44	0.79	0.77	1.14	1.11	∞
Liquid Permittivity - Temperature Uncertainty	2.5	R	$\sqrt{3}$	1.44	0.23	0.26	0.33	0.38	∞
Shell permittivity	2.9	R	$\sqrt{3}$	1.67	0.25	0.25	0.42	0.42	∞
Repeatability of positioning the DUT or source against the phantom	2.7	N	1	2.70	2	2	5.40	5.40	∞
Uncertainty in accepted power	3	R	1	3.00	1	1	3.00	3.00	∞
Effect of operating mode on probe sensitivity	2.3	R	$\sqrt{3}$	1.33	1	1	1.33	1.33	∞
Variation in SAR due to drift in output of DUT	2.2	N	1	2.20	1	1	2.20	2.20	∞
Phantom deviation from target (ϵ' , σ)	1.9	N	1	1.90	1	1	1.90	1.90	∞
SAR scaling	0	R	$\sqrt{3}$	0.00	1	1	0.00	0.00	∞
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	∞
Detection limit	1	R	1.73	0.58	1	1	0.58	0.58	∞
Axial Isotropy	3.5	R	1.73	2.02	1	1	2.02	2.02	∞
Hemispherical Isotropy	5.9	R	1.73	3.41	0.71	0.71	2.42	2.42	∞
Boundary effect	1	R	1.73	0.58	0.71	0.71	0.41	0.41	∞
Integration time	1.4	R	1.73	0.81	1	1	0.81	0.81	∞
Response time	0	R	1.73	0.00	1	1	0.00	0.00	∞
Readout electronics	0.5	N	1	0.50	1	1	0.50	0.50	∞
Noise	3	R	1.73	1.73	1	1	1.73	1.73	∞
Reflections	3	R	1.73	1.73	1	1	1.73	1.73	∞
Positioner Mechanical Tolerance	3.28	R	1.73	1.90	0.33	0.33	0.63	0.63	∞
Positioning with respect to Phantom Shell	3.28	R	1.73	1.90	0.33	0.33	0.63	0.63	∞
Data processing errors	2.3	R	1.73	1.33	1	1	1.33	1.33	∞
Conductivity measurement	4.07	N	1	4.07	0.79	0.77	3.22	3.13	∞
Permittivity measurement	5.06	N	1	5.06	0.23	0.26	1.16	1.32	∞
Liquid Conductivity - Temperature Uncertainty	2.5	R	1.73	1.45	0.79	0.77	1.14	1.11	∞
Liquid Permittivity - Temperature Uncertainty	2.5	R	1.73	1.45	0.23	0.26	0.33	0.38	∞
Shell permittivity	2.9	R	1.73	1.68	0.25	0.25	0.42	0.42	∞
Distance between the radiating element of the DUT and the phantom medium	2.7	N	1	2.70	2	2	5.40	5.40	∞
Deviation of experimental antennas	4.5	N	1.73	2.60	1	1	2.60	2.60	∞
Other uncertainty contributions	2	R	1	2.00	1	1	2.00	2.00	∞
Uncertainty in accepted power	3	R	1.73	1.73	1	1	1.73	1.73	∞
Phantom deviation from target (ϵ', σ)	1.9	N	1	1.90	1	0.87	1.90	1.65	∞
$u(\Delta SAR)$	/						11.89	11.85	
Expanded uncertainty (95% confidence interval)	/						23.79	23.70	

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.



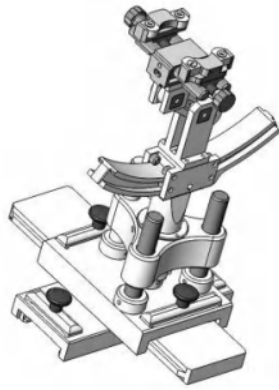
ELLI Phantom

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

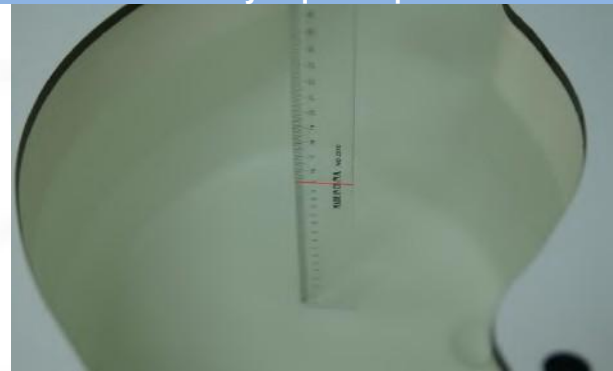
4.2.6 Simulating Liquid

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.

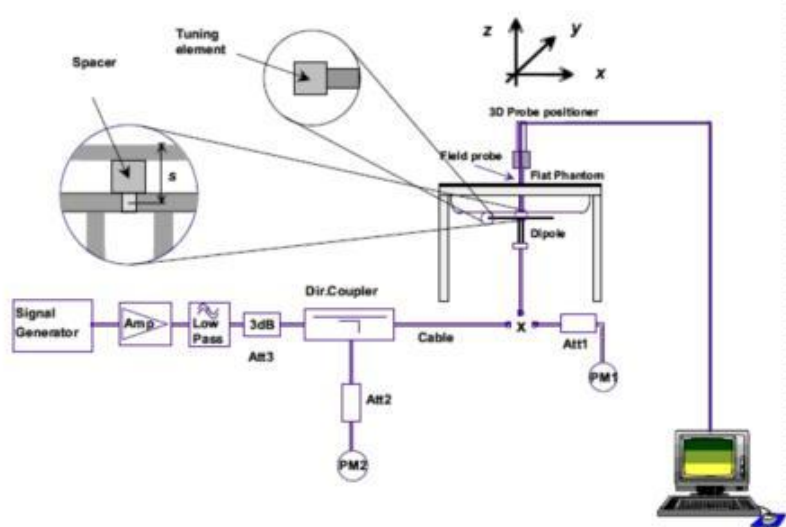
Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5	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

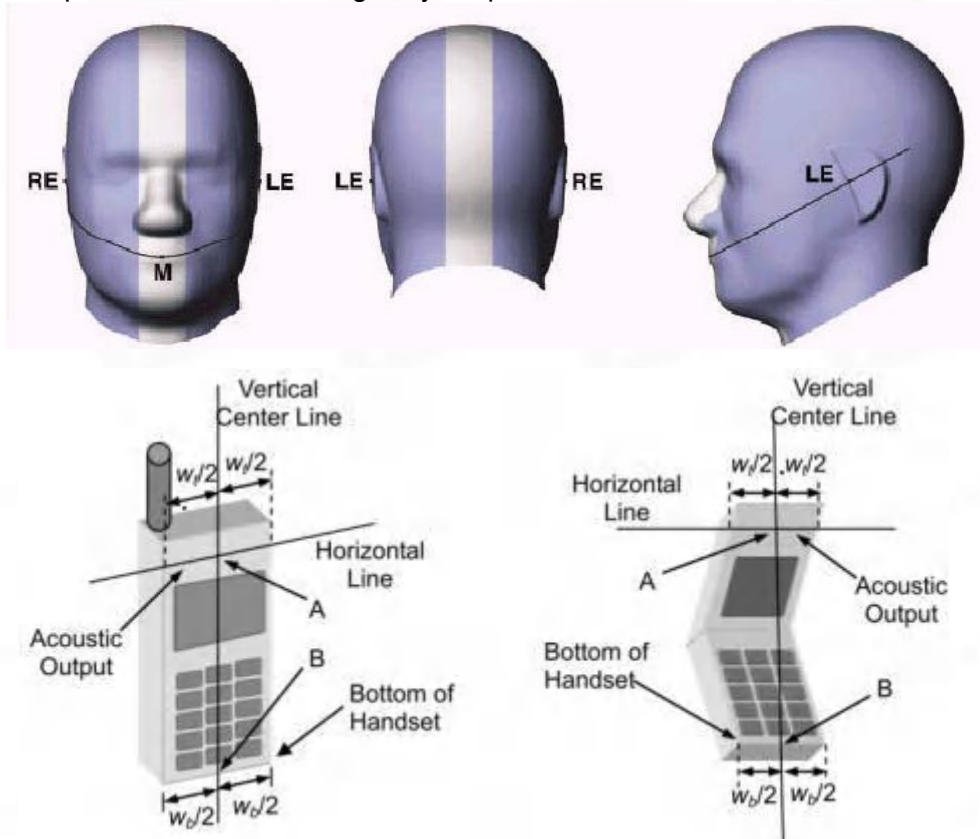
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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.

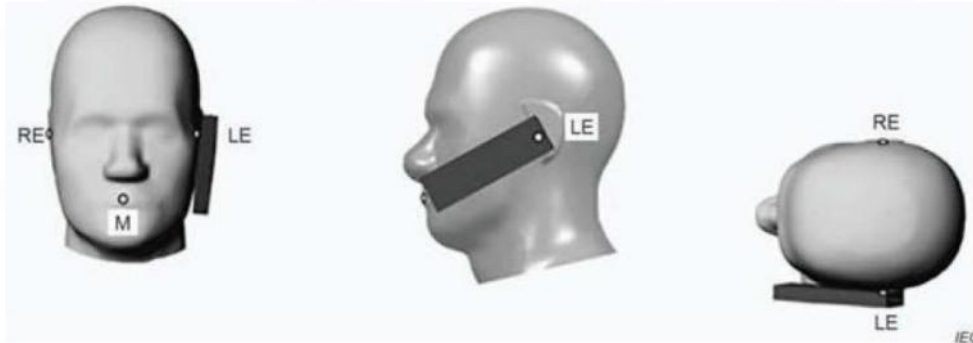
6.1.1 Two Imaginary Lines on the Handset

- 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.



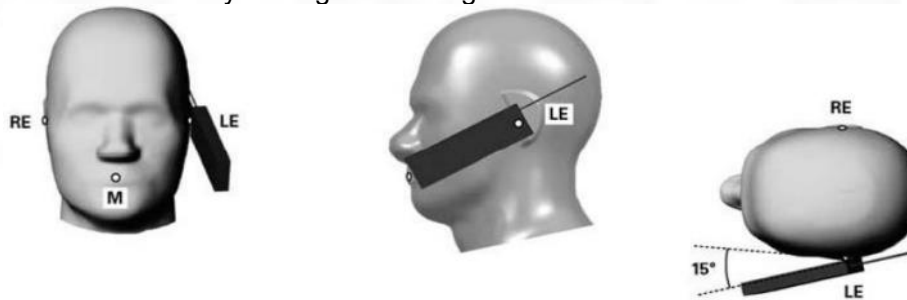
6.1.2 Two Imaginary Lines on the Handset

- (a) 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.
- (b) 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.

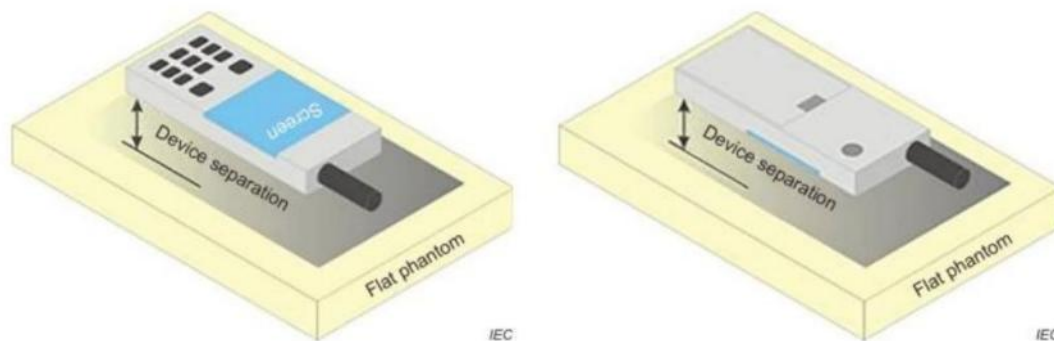


6.2 Body-worn Position Conditions

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.

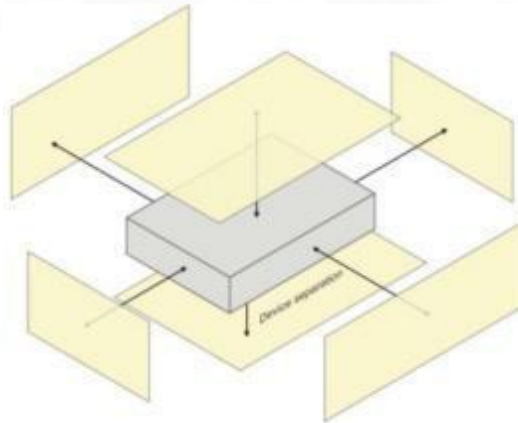
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

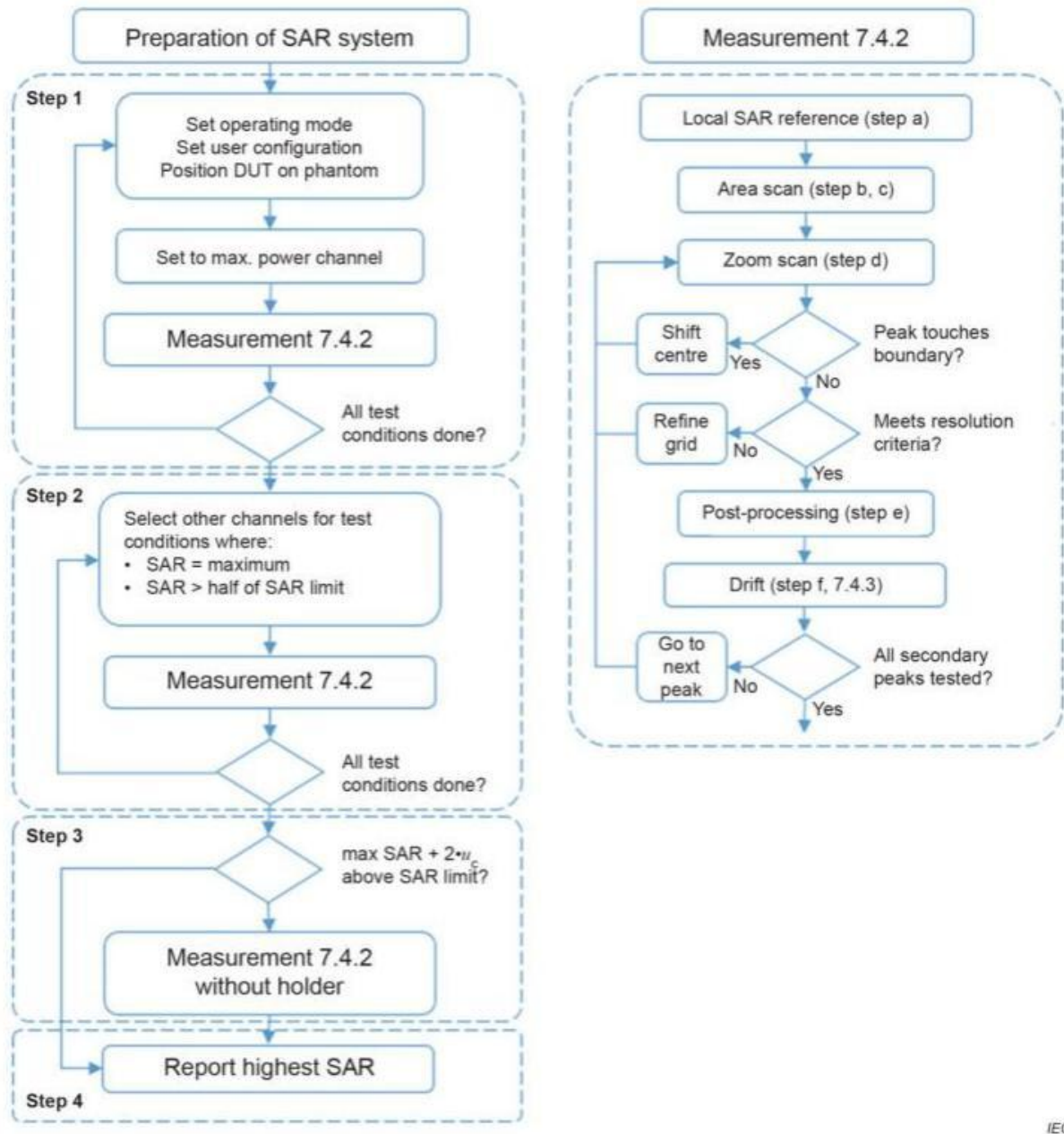
According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed 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	½ δ·ln(2)±0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2–3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
				5–6 GHz: ≤ 2 mm
		≤ 1.5·Δz Zoom (n-1)		
Minimum zoom scan volume	x, y, z		≥30 mm	3–4 GHz: ≥ 28 mm
				4–5 GHz: ≥ 25 mm
				5–6 GHz: ≥ 22 mm
Note:				
1. δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see draft standard IEEE P1528- 2011 for details.				
2. * When zoom scan is required and the reported SAR from the area scan based 1 g SAR estimation procedures of KDB				
447498 is ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 mm zoom scan resolution may be applied, respectively, for 2 GHz to 3GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.				

7.3 Measurement Procedure

The following steps are used for each test position

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

7.4 Area & Zoom Scan Procedure

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

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

8. Conducted RF Output Power

8.1 GSM

Mode: GSM850		Maximum Tune-up(dBm)	Burst Average Power (dBm)			Division Factors	Frame-Average Power (dBm)		
			CH128	CH190	CH251		CH128	CH190	CH251
			824.2MHz	836.6MHz	848.8MHz		824.2MHz	836.6MHz	848.8MHz
GSM		32.00	31.71	31.70	31.65	-9.03	22.68	22.67	22.62
GPRS (GMSK)	1Tx slot	32.00	31.70	31.69	31.65	-9.03	22.67	22.66	22.62
	2Tx slots	31.50	31.10	31.09	31.04	-6.02	25.08	25.07	25.02
	3Tx slots	30.00	29.61	29.61	29.57	-4.26	25.35	25.35	25.31
	4Tx slots	29.00	28.62	28.63	28.57	-3.01	25.61	25.62	25.56
EGPRS (8PSK)	1Tx slot	28.00	25.64	27.53	25.43	-9.03	16.61	18.50	16.40
	2Tx slots	27.00	24.55	24.49	26.78	-6.02	18.53	18.47	20.76
	3Tx slots	22.50	22.24	22.24	22.28	-4.26	17.98	17.98	18.02
	4Tx slots	21.50	21.22	21.04	21.18	-3.01	18.21	18.03	18.17
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		29.00	28.09	28.43	28.72	-9.03	19.06	19.40	19.69
GPRS (GMSK)	1Tx slot	31.50	22.03	25.69	31.06	-9.03	13.00	16.66	22.03
	2Tx slots	30.50	21.28	24.93	30.38	-6.02	15.26	18.91	24.36
	3Tx slots	28.00	19.54	23.29	27.96	-4.26	15.28	19.03	23.70
	4Tx slots	28.00	18.49	22.31	27.90	-3.01	15.48	19.30	24.89
EGPRS (8PSK)	1Tx slot	26.00	23.92	25.41	25.78	-9.03	14.89	16.38	16.75
	2Tx slots	24.00	22.89	23.17	23.54	-6.02	16.87	17.15	17.52
	3Tx slots	22.00	20.81	21.07	21.58	-4.26	16.55	16.81	17.32
	4Tx slots	20.50	19.59	19.85	20.21	-3.01	16.58	16.84	17.20
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		21.50	1852.4	1880.0	1907.6
HSDPA	Subtest-1	19.50	20.59	20.95	21.49
	Subtest-2	19.50	18.39	18.75	19.30
	Subtest-3	19.50	18.42	18.76	19.29
	Subtest-4	19.50	18.41	18.76	19.30
HSUPA	Subtest-1	17.00	18.39	18.77	19.30
	Subtest-2	17.00	15.62	16.64	16.69
	Subtest-3	17.00	15.62	16.45	16.99
	Subtest-4	17.50	15.79	16.63	17.19
	Subtest-5	17.00	15.61	16.65	16.64
		18.00	16.95	17.28	17.80
Mode		Maximum Tune-up(dBm)	WCDMA Band IV		
			Conducted Power (dBm)		
			CH1312	CH1413	CH1513
RMC 12.2K		18.50	1712.4	1732.6	1752.6
HSDPA	Subtest-1	16.50	17.82	18.18	18.29
	Subtest-2	16.50	15.55	15.98	16.11
	Subtest-3	16.50	15.54	15.99	16.11
	Subtest-4	16.50	15.55	15.99	16.11
HSUPA	Subtest-1	14.00	15.54	16.00	16.10
	Subtest-2	14.00	12.82	13.37	13.83
	Subtest-3	14.50	12.82	13.87	14.01
	Subtest-4	14.00	12.98	13.63	13.77
	Subtest-5	14.50	12.82	13.38	14.01
		15.00	13.20	14.53	14.38
Mode		Maximum Tune-up(dBm)	WCDMA Band V		
			Conducted Power (dBm)		
			CH4132	CH4183	CH4233
RMC 12.2K		21.00	826.4	836.6	846.6
HSDPA	Subtest-1	18.50	20.66	20.53	20.62
	Subtest-2	18.50	18.32	18.23	18.34
	Subtest-3	18.50	18.34	18.24	18.35
	Subtest-4	18.50	18.32	18.22	18.35
HSUPA	Subtest-1	16.50	18.33	18.19	18.34
	Subtest-2	16.00	16.09	16.14	15.76
	Subtest-3	16.50	15.73	15.61	15.99
	Subtest-4	16.50	16.32	15.67	16.22
	Subtest-5	17.50	15.80	16.13	15.69
		17.00	17.00	16.60	16.90

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 1850.7MHz	18900 1880.0MHz	19193 1909.3MHz
1.4MHz	QPSK	1	0	22.50	21.29	21.74	22.32
			2	22.50	21.42	21.83	22.41
			5	22.50	21.35	21.85	22.28
		3	0	22.50	21.46	21.90	22.35
			2	22.50	21.50	21.93	22.35
			3	22.50	21.48	21.95	22.36
		6	0	21.50	20.39	20.82	21.34
	16QAM	1	0	21.50	20.52	20.76	21.24
			2	21.50	20.61	20.86	21.35
			5	21.50	20.56	20.79	21.30
		3	0	21.50	20.43	21.10	21.37
			2	21.50	20.45	21.12	21.38
			3	21.50	20.48	21.15	21.36
		6	0	20.50	19.42	19.87	20.25
		1	0	21.50	20.52	20.76	21.24
			2	21.50	20.61	20.86	21.35
			5	21.50	20.56	20.79	21.30
		3	0	21.50	20.43	21.10	21.37
			2	21.50	20.45	21.12	21.38
			3	21.50	20.48	21.15	21.36
		6	0	20.50	19.42	19.87	20.25
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18615 1851.5MHz	18900 1880.0MHz	19185 1908.5MHz
3MHz	QPSK	1	0	22.50	21.46	21.75	22.37
			7	22.50	21.61	21.98	22.46
			14	22.50	21.48	21.82	22.34
		8	0	21.50	20.46	20.86	21.33
			4	21.50	20.48	20.93	21.43
			7	21.50	20.48	20.89	21.36
		15	0	21.50	20.44	20.91	21.39
	16QAM	1	0	22.00	20.48	21.08	21.84
			7	22.00	20.63	21.18	21.94
			14	22.00	20.49	21.05	21.78
		8	0	21.00	19.53	19.87	20.51
			4	21.00	19.56	19.97	20.58
			7	21.00	19.50	19.89	20.52
		15	0	20.50	19.49	19.86	20.44
		1	0	22.00	20.48	21.08	21.84
			7	22.00	20.63	21.18	21.94
			14	22.00	20.49	21.05	21.78
		8	0	21.00	19.53	19.87	20.51
			4	21.00	19.56	19.97	20.58
			7	21.00	19.50	19.89	20.52
		15	0	20.50	19.49	19.86	20.44
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18625 1852.5MHz	18900 1880.0MHz	19175 1907.5MHz
5MHz	QPSK	1	0	22.50	21.33	21.78	22.24
			13	22.50	21.50	21.91	22.41
			24	22.50	21.46	21.88	22.26
		12	0	21.50	20.49	20.83	21.38
			6	21.50	20.57	20.99	21.42
			13	21.50	20.55	20.98	21.43
		25	0	21.50	20.50	20.91	21.35
	16QAM	1	0	21.50	20.42	21.04	21.11
			13	21.50	20.63	21.22	21.23
			24	21.50	20.56	21.16	21.12
		12	0	20.50	19.38	19.91	20.36
			6	20.50	19.53	20.05	20.40
			13	20.50	19.54	19.97	20.36
		25	0	20.50	19.57	19.92	20.38
		1	0	21.50	20.42	21.04	21.11
			13	21.50	20.63	21.22	21.23
			24	21.50	20.56	21.16	21.12
		12	0	20.50	19.38	19.91	20.36
			6	20.50	19.53	20.05	20.40
			13	20.50	19.54	19.97	20.36
		25	0	20.50	19.57	19.92	20.38

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	22.50	21.37	21.79	22.35
			25	23.00	21.72	22.06	22.59
			49	22.50	21.59	21.96	22.40
		25	0	21.50	20.50	20.97	21.45
			13	21.50	20.58	20.97	21.42
			25	21.50	20.62	21.04	21.42
		50	0	21.50	20.59	21.00	21.44
	16QAM	1	0	21.50	20.43	21.37	21.33
			25	22.00	20.72	21.72	21.55
			49	22.00	20.54	21.58	21.40
		25	0	21.00	19.61	20.02	20.55
			13	21.00	19.69	20.05	20.50
			25	21.00	19.74	20.13	20.54
		50	0	21.00	19.65	20.05	20.54
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18675	18900	19125
					1857.5MHz	1880.0MHz	1902.5MHz
15MHz	QPSK	1	0	22.50	21.32	21.67	22.10
			38	22.50	21.65	21.92	22.35
			74	22.50	21.53	21.98	22.29
		36	0	21.50	20.53	20.86	21.41
			18	22.00	20.63	20.97	21.51
			39	21.50	20.68	21.04	21.47
		75	0	21.50	20.63	20.99	21.44
	16QAM	1	0	22.00	20.69	20.85	21.75
			38	22.00	21.03	21.10	21.87
			74	22.00	20.91	21.17	21.82
		36	0	20.50	19.42	19.82	20.40
			18	20.50	19.57	19.95	20.46
			39	20.50	19.58	20.01	20.49
		75	0	20.50	19.59	19.98	20.44
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	18700	18900	19100
					1860.0MHz	1880.0MHz	1900.0MHz
20MHz	QPSK	1	0	22.50	21.27	21.57	22.09
			50	22.50	21.66	22.06	22.48
			99	22.50	21.48	21.99	22.23
		50	0	21.50	20.44	20.79	21.28
			25	21.50	20.55	20.99	21.39
			50	21.50	20.66	21.02	21.33
		100	0	21.50	20.58	20.92	21.31
	16QAM	1	0	21.50	20.85	20.74	21.34
			50	22.00	21.26	21.29	21.75
			99	21.50	21.08	21.18	21.48
		50	0	20.50	19.41	19.84	20.29
			25	20.50	19.56	19.97	20.42
			50	20.50	19.69	20.03	20.32
		100	0	20.50	19.58	19.94	20.34

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	23.00	22.20	22.63	22.61
			2	23.00	22.28	22.76	22.73
			5	23.00	22.21	22.69	22.63
		3	0	23.00	22.31	22.78	22.74
			2	23.00	22.35	22.78	22.76
			3	23.00	22.34	22.78	22.73
		6	0	22.00	21.26	21.70	21.73
	16QAM	1	0	22.00	21.15	21.70	21.79
			2	22.00	21.30	21.78	21.89
			5	22.00	21.21	21.72	21.77
		3	0	22.00	21.48	21.80	21.66
			2	22.00	21.51	21.82	21.70
			3	22.00	21.54	21.79	21.69
		6	0	21.00	20.26	20.65	20.70
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19965	20175	20385
					1711.5MHz	1732.5MHz	1753.5MHz
3MHz	QPSK	1	0	23.00	22.27	22.58	22.67
			7	23.00	22.47	22.76	22.81
			14	23.00	22.38	22.59	22.66
		8	0	22.00	21.25	21.66	21.67
			4	22.00	21.32	21.68	21.74
			7	22.00	21.32	21.59	21.67
		15	0	22.00	21.26	21.61	21.66
	16QAM	1	0	22.50	21.24	21.82	22.20
			7	22.50	21.46	21.93	22.28
			14	22.50	21.35	21.79	22.13
		8	0	21.00	20.30	20.62	20.81
			4	21.00	20.41	20.68	20.86
			7	21.00	20.38	20.63	20.82
		15	0	21.00	20.34	20.61	20.73
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	19976	20175	20375
					1712.5MHz	1732.5MHz	1752.5MHz
5MHz	QPSK	1	0	23.00	22.14	22.54	22.47
			13	23.00	22.36	22.65	22.62
			24	23.00	22.27	22.51	22.51
		12	0	22.00	21.19	21.63	21.50
			6	22.00	21.36	21.66	21.65
			13	22.00	21.39	21.62	21.63
		25	0	22.00	21.33	21.65	21.58
	16QAM	1	0	22.00	21.18	21.83	21.31
			13	22.00	21.41	21.94	21.43
			24	22.00	21.32	21.84	21.34
		12	0	21.00	20.09	20.66	20.52
			6	21.00	20.32	20.70	20.62
			13	21.00	20.38	20.64	20.58
		25	0	21.00	20.31	20.67	20.64

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	23.00	22.22	22.65	22.55
			25	23.00	22.57	22.83	22.71
			49	23.00	22.43	22.69	22.56
		25	0	22.00	21.27	21.76	21.50
			13	22.00	21.34	21.72	21.59
			25	22.00	21.54	21.67	21.71
	50	0	22.00	21.40	21.76	21.60	
	16QAM	1	0	22.00	21.23	21.68	21.71
			25	22.00	21.52	21.89	21.87
			49	22.00	21.49	21.68	21.73
		25	0	21.00	20.35	20.87	20.53
			13	21.00	20.45	20.81	20.62
			25	21.00	20.65	20.78	20.76
	50	0	21.00	20.41	20.81	20.61	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20025	20175	20325
					1717.5MHz	1732.5MHz	1747.5MHz
15MHz	QPSK	1	0	23.00	22.18	22.50	22.51
			38	23.00	22.45	22.63	22.61
			74	23.00	22.48	22.55	22.56
		36	0	22.00	21.32	21.73	21.61
			18	22.00	21.48	21.73	21.68
			39	22.00	21.63	21.71	21.76
	75	0	22.00	21.49	21.72	21.71	
	16QAM	1	0	22.50	21.48	21.70	22.07
			38	22.50	21.78	21.84	22.11
			74	22.50	21.85	21.75	22.04
		36	0	21.00	20.26	20.71	20.61
			18	21.00	20.46	20.71	20.67
			39	21.00	20.52	20.73	20.76
	75	0	21.00	20.41	20.74	20.69	
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20050	20175	20300
					1720.0MHz	1732.5MHz	1745.0MHz
20MHz	QPSK	1	0	22.50	22.11	22.42	22.46
			50	23.00	22.62	22.88	22.80
			99	23.00	22.49	22.55	22.48
		50	0	22.00	21.18	21.76	21.53
			25	22.00	21.49	21.71	21.59
			50	22.00	21.45	21.59	21.78
	100	0	22.00	21.33	21.69	21.67	
	16QAM	1	0	22.00	21.59	21.59	21.82
			50	22.50	22.13	21.99	22.02
			99	22.50	22.01	21.70	21.71
		50	0	21.00	20.20	20.79	20.61
			25	21.00	20.50	20.70	20.60
			50	21.00	20.50	20.64	20.81
	100	0	21.00	20.38	20.72	20.68	

Band 5

LTE-FDD Band 5				Maximum Tune-up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		20407	20525	20643	
					824.7MHz	836.5MHz	848.3MHz	
1.4MHz	QPSK	1	0	22.00	21.76	21.68	21.69	
			2	22.00	21.87	21.78	21.82	
			5	22.00	21.74	21.67	21.72	
		3	0	22.00	21.85	21.73	21.80	
			2	22.00	21.90	21.77	21.84	
			3	22.00	21.85	21.76	21.80	
		6	0	21.00	20.85	20.73	20.81	
		16QAM	1	0	21.00	20.72	20.65	20.83
				2	21.00	20.87	20.77	20.97
	5			21.00	20.74	20.69	20.81	
	3		0	21.00	20.99	20.77	20.72	
			2	21.50	21.06	20.77	20.77	
			3	21.50	21.01	20.75	20.74	
	6	0	20.00	19.90	19.70	19.86		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20415	20525	20635	
					825.5MHz	836.5MHz	847.5MHz	
3MHz	QPSK	1	0	22.00	21.83	21.66	21.76	
			7	22.50	22.03	21.85	21.89	
			14	22.00	21.83	21.69	21.74	
		8	0	21.00	20.85	20.73	20.78	
			4	21.00	20.86	20.75	20.82	
			7	21.00	20.82	20.70	20.81	
		15	0	21.00	20.81	20.68	20.76	
	16QAM	1	0	21.50	20.85	20.90	21.26	
			7	21.50	21.05	20.98	21.39	
			14	21.50	20.80	20.85	21.27	
		8	0	20.00	19.95	19.74	19.96	
			4	20.50	19.98	19.81	20.02	
			7	20.00	19.96	19.72	19.99	
		15	0	20.00	19.93	19.70	19.88	
LTE-FDD Band 5				Maximum Tune-up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		20425	20525	20625	
					826.5MHz	836.5MHz	846.5MHz	
5MHz	QPSK	1	0	22.00	21.70	21.62	21.64	
			13	22.00	21.92	21.75	21.77	
			24	22.00	21.71	21.56	21.67	
		12	0	21.00	20.80	20.71	20.79	
			6	21.00	20.89	20.71	20.81	
			13	21.00	20.77	20.65	20.79	
		25	0	21.00	20.78	20.67	20.73	
	16QAM	1	0	21.00	20.83	20.86	20.49	
			13	21.50	20.96	21.00	20.60	
			24	21.00	20.80	20.83	20.50	
		12	0	20.00	19.83	19.78	19.76	
			6	20.00	19.90	19.82	19.81	
			13	20.00	19.82	19.72	19.73	
		25	0	20.00	19.91	19.73	19.81	

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20450	20525	20600
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	22.00	21.74	21.67	21.65
			25	22.00	21.97	21.85	21.86
			49	22.00	21.72	21.68	21.74
		25	0	21.00	20.85	20.75	20.70
			13	21.00	20.80	20.73	20.78
			25	21.00	20.76	20.69	20.72
		50	0	21.00	20.81	20.71	20.71
	16QAM	1	0	21.50	20.76	20.86	21.15
			25	21.50	20.96	21.01	21.37
			49	21.50	20.75	20.80	21.24
		25	0	20.50	20.00	19.85	19.82
			13	20.00	19.92	19.81	19.90
			25	20.00	19.89	19.76	19.82
		50	0	20.00	19.91	19.77	19.77

Band 7

LTE-FDD Band 7				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20775	21100	21425
					2502.5MHz	2535.0MHz	2567.5MHz
5MHz	QPSK	1	0	22.50	21.02	21.37	22.48
			13	23.00	21.16	21.65	22.83
			24	23.00	20.98	21.56	22.55
		12	0	22.00	20.15	20.48	21.58
			6	22.00	20.19	20.64	21.65
			13	22.00	20.08	20.62	21.57
		25	0	22.00	20.13	20.54	21.57
	16QAM	1	0	21.50	20.10	20.59	21.22
			13	21.50	20.26	20.85	21.45
			24	21.50	20.05	20.75	21.33
		12	0	20.50	19.12	19.50	20.47
			6	21.00	19.21	19.70	20.54
			13	20.50	19.08	19.64	20.47
		25	0	21.00	19.20	19.55	20.50
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20800	21100	21400
					2505.0MHz	2535.0MHz	2565.0MHz
10MHz	QPSK	1	0	23.00	21.23	21.36	22.50
			25	23.00	21.39	21.77	22.85
			49	23.00	21.17	21.75	22.64
		25	0	22.00	20.30	20.50	21.51
			13	22.00	20.24	20.59	21.58
			25	22.00	20.15	20.69	21.59
		50	0	22.00	20.18	20.61	21.51
	16QAM	1	0	22.00	20.18	20.55	21.81
			25	22.50	20.34	20.91	22.07
			49	22.00	20.11	20.82	21.86
		25	0	20.50	19.39	19.56	20.49
			13	21.00	19.31	19.64	20.55
			25	21.00	19.22	19.75	20.54
		50	0	20.50	19.24	19.64	20.47

LTE-FDD Band 7				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		20825	21100	21375
					2507.5MHz	2535.0MHz	2562.5MHz
15MHz	QPSK	1	0	22.50	21.17	21.33	22.26
			38	23.00	21.21	21.57	22.61
			74	23.00	21.10	21.78	22.73
		38	0	22.00	20.33	20.54	21.59
			18	22.00	20.29	20.67	21.70
			39	22.00	20.18	20.83	21.78
		75	0	22.00	20.25	20.66	21.70
	16QAM	1	0	22.00	20.41	20.45	21.62
			38	22.00	20.46	20.70	21.90
			74	22.00	20.35	20.86	21.85
		38	0	20.50	19.27	19.52	20.47
			18	21.00	19.23	19.61	20.53
			39	21.00	19.11	19.79	20.62
		75	0	21.00	19.21	19.65	20.56
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	20850	21100	21350
					2510.0MHz	2535.0MHz	2560.0MHz
20MHz	QPSK	1	0	22.50	21.04	21.26	22.02
			50	23.00	21.29	21.72	22.63
			99	23.00	21.09	21.81	22.62
		50	0	21.50	20.20	20.34	21.25
			25	21.50	20.13	20.59	21.44
			50	21.50	20.08	20.67	21.48
		100	0	21.50	20.17	20.54	21.38
	16QAM	1	0	21.50	20.22	20.50	21.45
			50	22.00	20.42	20.94	21.98
			99	22.00	20.23	20.98	21.82
		50	0	20.50	19.22	19.37	20.23
			25	20.50	19.14	19.62	20.38
			50	20.50	19.08	19.70	20.41
		100	0	20.50	19.20	19.58	20.36

Band 12

LTE-FDD Band 12				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23017	23095	23173
					699.7MHz	707.5MHz	715.3MHz
1.4MHz	QPSK	1	0	22.50	21.79	22.02	22.14
			2	22.50	21.92	22.23	22.23
			5	22.50	21.82	22.15	22.13
		3	0	22.50	21.88	22.01	22.21
			2	22.50	21.93	22.07	22.22
			3	22.50	21.90	22.01	22.19
		6	0	21.50	20.91	21.03	21.19
	16QAM	1	0	21.50	20.96	20.98	21.14
			2	21.50	21.12	21.01	21.26
			5	21.50	20.99	21.02	21.19
		3	0	21.50	20.69	21.23	21.27
			2	21.50	21.43	21.28	21.29
			3	21.50	21.47	21.21	21.26
		6	0	20.50	20.44	20.06	20.14

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
3MHz	QPSK	1	0	22.50	21.84	21.96	22.14
			7	22.50	22.05	22.08	22.28
			14	22.50	21.95	22.00	22.10
		8	0	21.50	20.91	20.97	21.16
			4	21.50	20.99	21.07	21.22
			7	21.50	20.93	21.07	21.18
	16QAM	15	0	21.50	20.90	21.00	21.16
			0	22.00	20.90	21.18	21.69
			7	22.00	21.09	21.31	21.89
		8	14	22.00	20.97	21.19	21.68
			0	20.50	19.96	19.97	20.35
			4	20.50	20.07	20.07	20.39
		15	7	20.50	20.01	20.04	20.33
			0	20.50	19.94	19.95	20.23
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
5MHz	QPSK	1	0	22.00	21.74	21.86	21.96
			13	22.50	21.95	22.01	22.17
			24	22.50	21.91	21.94	22.06
		12	0	21.50	20.95	20.99	21.14
			6	21.50	20.98	21.06	21.21
			13	21.50	20.99	21.07	21.09
	16QAM	25	0	21.50	20.94	21.03	21.15
			0	21.50	20.87	21.17	20.84
			13	21.50	21.07	21.33	21.09
		1	24	21.50	21.03	21.27	20.96
			0	20.50	19.89	19.98	20.07
			6	20.50	20.00	20.10	20.18
		12	13	20.50	19.92	20.05	20.07
			0	20.50	19.94	20.04	20.21
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23060	23095	23130
					704.0MHz	707.5MHz	711.0MHz
10MHz	QPSK	1	0	22.00	21.87	21.83	21.86
			25	22.50	22.12	22.08	22.16
			49	22.50	22.01	22.05	22.10
		25	0	21.50	20.95	21.00	21.02
			13	21.50	21.03	21.04	21.16
			25	21.50	21.07	21.09	21.08
	16QAM	50	0	21.50	21.03	21.07	21.07
			0	22.00	20.86	21.09	21.54
			25	22.00	21.13	21.31	21.78
		1	49	22.00	21.06	21.28	21.70
			0	20.50	20.06	20.03	20.08
			13	20.50	20.11	20.08	20.17
		25	25	20.50	20.13	20.12	20.14
			0	20.50	20.04	20.09	20.08

Band 13

LTE-FDD Band 13				Maximum Tune-up(dBm)	Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset		23205	23230	23255	
					779.5MHz	782.0MHz	784.5MHz	
5MHz	QPSK	1	0	23.50	23.00	22.95	22.92	
			13	23.50	23.09	23.03	23.00	
			24	23.00	22.99	22.95	22.86	
		12	0	22.50	22.08	21.97	21.94	
			6	22.50	22.07	22.05	22.01	
			13	22.50	22.06	21.96	21.92	
		25	0	22.50	22.04	21.99	21.94	
		16QAM	1	0	22.50	21.80	22.02	22.15
				13	22.50	21.92	22.14	22.20
	24			22.50	21.77	21.98	22.09	
	12		0	21.50	20.99	21.00	21.04	
			6	21.50	21.06	21.01	21.05	
			13	21.50	21.03	21.00	20.97	
	25	0	21.50	21.04	20.99	20.99		
	Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23230		
782.0MHz								
10MHz	QPSK	1	0	23.50	23.08			
			25	23.50	23.26			
			49	23.00	22.99			
		25	0	22.50	22.09			
			13	22.50	22.13			
			25	22.50	22.06			
		50	0	22.50	22.11			
		16QAM	1	0	22.50	22.21		
				25	22.50	22.37		
	49			22.50	22.11			
	25		0	21.50	21.06			
			13	21.50	21.10			
			25	21.50	21.10			
	50		0	21.50	21.10			

Band 17

LTE-FDD Band 17				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		23755	23790	23825
					706.5MHz	710MHz	713.5MHz
5MHz	QPSK	1	0	22.00	21.93	21.99	21.98
			13	22.50	22.11	22.12	22.18
			24	22.50	22.03	22.05	22.14
		12	0	21.50	21.09	21.07	21.14
			6	21.50	21.15	21.20	21.24
			13	21.50	21.18	21.14	21.11
		25	0	21.50	21.10	21.11	21.16
	16QAM	1	0	21.50	20.79	21.14	21.27
			13	21.50	20.97	21.26	21.47
			24	21.50	20.92	21.23	21.43
		12	0	20.50	20.01	19.99	20.23
			6	20.50	20.11	20.15	20.25
			13	20.50	20.12	20.09	20.09
		25	0	20.50	20.10	20.13	20.19

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	23780	23790	23800
					709MHz	710MHz	711MHz
10MHz	QPSK	1	0	22.00	21.94	21.88	21.90
			25	22.50	22.27	22.20	22.23
			49	22.50	22.17	22.13	22.19
		25	0	21.50	21.06	21.03	21.06
			13	21.50	21.11	21.13	21.22
			25	21.50	21.12	21.14	21.12
	16QAM	50	0	21.50	21.09	21.10	21.10
			0	22.00	20.99	21.09	21.56
			25	22.00	21.28	21.41	21.77
		1	49	22.00	21.24	21.31	21.74
			0	20.50	20.13	20.05	20.11
			13	20.50	20.21	20.18	20.26
		25	25	20.50	20.20	20.16	20.20
			0	20.50	20.10	20.10	20.07

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	23.00	21.69	22.25	22.82
			2	23.00	21.83	22.35	22.95
			5	23.00	21.78	22.27	22.81
		3	0	23.00	21.87	22.42	22.80
			2	23.00	21.89	22.42	22.83
			3	23.00	21.89	22.40	22.81
		6	0	22.00	20.82	21.37	21.81
	16QAM	1	0	22.00	20.91	21.27	21.73
			2	22.00	20.99	21.42	21.83
			5	22.00	20.94	21.32	21.77
		3	0	22.00	20.82	21.59	21.80
			2	22.00	20.84	21.64	21.76
			3	22.00	20.85	21.63	21.77
		6	0	21.00	19.86	20.36	20.71
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26055	26365	26675
					1851.5MHz	1882.5MHz	1913.5MHz
3MHz	QPSK	1	0	23.00	21.85	22.30	22.85
			7	23.00	21.99	22.49	22.95
			14	23.00	21.84	22.40	22.82
		8	0	22.00	20.81	21.35	21.84
			4	22.00	20.88	21.46	21.89
			7	22.00	20.84	21.39	21.84
		15	0	22.00	20.81	21.39	21.83
	16QAM	1	0	22.50	20.84	21.54	22.27
			7	22.50	21.03	21.71	22.34
			14	22.50	20.89	21.55	22.17
		8	0	21.00	19.90	20.36	20.96
			4	21.50	19.96	20.44	21.01
			7	21.00	19.88	20.39	20.99
		15	0	21.00	19.91	20.36	20.87

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26065	26365	26665
					1852.5MHz	1882.5MHz	1912.5MHz
5MHz	QPSK	1	0	23.00	21.79	22.22	22.75
			13	23.00	21.93	22.40	22.87
			24	23.00	21.88	22.37	22.77
		12	0	22.00	20.82	21.38	21.85
			6	22.00	20.95	21.48	21.87
			13	22.00	20.88	21.47	21.83
	25	0	22.00	20.87	21.42	21.79	
	16QAM	1	0	22.00	20.82	21.57	21.53
			13	22.00	21.02	21.74	21.67
			24	22.00	20.96	21.69	21.58
		12	0	21.00	19.80	20.40	20.82
			6	21.00	19.88	20.51	20.84
			13	21.00	19.87	20.50	20.76
		25	0	21.00	19.92	20.43	20.86
LTE-FDD Band 25				Conducted Power(dBm)			
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26090	26365	26640
					1855.0MHz	1882.5MHz	1910.0MHz
10MHz	QPSK	1	0	23.00	21.84	22.27	22.78
			25	23.50	22.14	22.55	23.12
			49	23.00	22.01	22.50	22.88
		25	0	22.00	20.90	21.43	21.91
			13	22.00	21.00	21.52	21.89
			25	22.00	21.07	21.55	21.83
	50	0	22.00	21.04	21.56	21.88	
	16QAM	1	0	22.50	20.85	21.48	22.23
			25	22.50	21.15	21.78	22.47
			49	22.50	21.02	21.71	22.27
		25	0	21.00	20.02	20.46	20.94
			13	21.00	20.12	20.52	20.92
			25	21.00	20.15	20.56	20.87
		50	0	21.00	20.04	20.55	20.91
Bandwidth		Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26115	26365
	1857.5MHz					1882.5MHz	1907.5MHz
15MHz	QPSK	1	0	23.00	21.83	22.19	22.72
			38	23.00	22.04	22.48	22.86
			74	23.00	21.97	22.52	22.85
		36	0	22.00	21.03	21.39	21.98
			18	22.50	21.05	21.54	22.04
			39	22.00	21.16	21.62	21.97
	75	0	22.00	21.09	21.51	21.97	
	16QAM	1	0	22.50	21.16	21.39	22.18
			38	22.50	21.39	21.64	22.28
			74	22.50	21.27	21.70	22.28
		36	0	21.00	19.97	20.40	20.86
			18	21.00	20.01	20.51	20.97
			39	21.00	20.07	20.60	20.90
		75	0	21.00	20.05	20.53	20.95

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26140	26365	26590
					1860.0MHz	1882.5MHz	1905.0MHz
20MHz	QPSK	1	0	23.00	21.72	22.08	22.59
			50	23.00	22.15	22.61	22.99
			99	23.00	21.94	22.50	22.75
		50	0	22.00	20.88	21.39	21.80
			25	22.00	21.06	21.54	21.82
			50	22.00	21.08	21.58	21.77
		100	0	22.00	21.06	21.47	21.82
			0	22.00	21.26	21.24	21.86
			50	22.50	21.67	21.84	22.20
	16QAM	1	99	22.00	21.47	21.70	21.95
			0	21.00	19.89	20.38	20.83
			25	21.00	20.05	20.49	20.80
		50	50	21.00	20.11	20.60	20.78
			0	21.00	20.02	20.47	20.78
			0	21.00	20.02	20.47	20.78

Band 26 Part 90

LTE-FDD Band 26 Part 90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26697	26740	26783
					814.7MHz	819.0MHz	823.3MHz
1.4MHz	QPSK	1	0	22.50	22.08	21.96	21.87
			2	22.50	22.21	22.08	21.97
			5	22.50	22.11	21.94	21.83
		3	0	22.50	22.20	22.05	21.92
			2	22.50	22.23	22.07	21.95
			3	22.50	22.20	22.03	21.88
		6	0	21.50	21.17	21.05	20.90
	16QAM	1	0	21.50	21.27	20.91	20.82
			2	21.50	21.36	21.01	20.94
			5	21.50	21.23	20.90	20.88
		3	0	21.50	21.13	21.16	20.95
			2	21.50	21.15	21.21	20.96
			3	21.50	21.13	21.17	20.95
		6	0	20.50	20.21	20.08	19.88
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26705	26740	26775
					815.5MHz	819.0MHz	822.5MHz
3MHz	QPSK	1	0	22.50	22.14	22.03	21.96
			7	22.50	22.29	22.17	22.04
			14	22.50	22.15	21.92	21.88
		8	0	21.50	21.14	21.03	20.91
			4	21.50	21.14	21.07	20.93
			7	21.50	21.11	21.01	20.89
		15	0	21.50	21.09	21.00	20.88
	16QAM	1	0	21.50	21.12	21.18	21.44
			7	22.00	21.25	21.29	21.55
			14	21.50	21.07	21.09	21.37
		8	0	20.50	20.23	20.06	20.10
			4	20.50	20.27	20.09	20.16
			7	20.50	20.21	20.01	20.12
		15	0	20.50	20.19	19.99	20.02

LTE-FDD Band 26 Part 90				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26715	26740	26765
					816.5MHz	819.0MHz	821.5MHz
5MHz	QPSK	1	0	22.50	22.08	21.96	21.90
			13	22.50	22.13	22.02	21.94
			24	22.00	21.95	21.81	21.80
		12	0	21.50	21.05	20.97	20.89
			6	21.50	21.09	21.03	20.97
			13	21.50	21.04	20.94	20.86
		25	0	21.50	21.07	20.95	20.86
	16QAM	1	0	21.50	21.14	21.17	20.76
			13	21.50	21.17	21.24	20.79
			24	21.50	21.03	21.03	20.68
		12	0	20.50	20.12	20.09	19.90
			6	20.50	20.15	20.10	20.02
			13	20.50	20.06	20.01	19.93
		25	0	20.50	20.11	20.00	19.94
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26740		
					819.0MHz		
10MHz	QPSK	1	0	22.50	22.10		
			25	22.50	22.21		
			49	22.00	21.86		
		25	0	21.50	21.08		
			13	21.50	21.02		
			25	21.50	21.01		
		50	0	21.50	21.01		
	16QAM	1	0	21.50	21.21		
			25	21.50	21.32		
			49	21.50	21.01		
		25	0	20.50	20.13		
			13	20.50	20.07		
			25	20.50	20.06		
		50	0	20.50	20.07		

Band 26 Part 22

LTE-FDD Band 26 Part 22				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		26797	26915	27033
					824.7MHz	836.5MHz	848.3MHz
1.4MHz	QPSK	1	0	22.00	21.90	21.66	21.77
			2	22.00	21.96	21.75	21.89
			5	22.00	21.88	21.63	21.76
		3	0	22.00	21.95	21.73	21.82
			2	22.00	21.96	21.79	21.84
			3	22.00	21.93	21.76	21.82
	6	0	21.00	20.93	20.74	20.79	
	16QAM	1	0	21.50	21.00	20.64	20.71
			2	21.50	21.14	20.83	20.84
			5	21.00	20.99	20.64	20.78
		3	0	21.00	20.86	20.91	20.83
			2	21.00	20.92	20.95	20.84
			3	21.00	20.91	20.94	20.82
		6	0	20.00	19.98	19.79	19.75

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26805	26915	27025
					825.5MHz	836.5MHz	847.5MHz
3MHz	QPSK	1	0	22.00	21.91	21.71	21.76
			7	22.50	22.04	21.86	21.94
			14	22.00	21.87	21.69	21.77
		8	0	21.00	20.88	20.72	20.80
			4	21.00	20.92	20.75	20.84
			7	21.00	20.86	20.70	20.79
		15	0	21.00	20.85	20.70	20.79
	16QAM	1	0	21.50	20.92	20.89	21.26
			7	21.50	21.05	21.02	21.44
			14	21.50	20.84	20.87	21.25
		8	0	20.50	20.01	19.74	20.01
			4	20.50	20.03	19.80	20.05
			7	20.00	19.97	19.73	19.99
		15	0	20.00	19.96	19.73	19.90
LTE-FDD Band 26 Part 22				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	22.00	21.81	21.62	21.65
			13	22.00	21.94	21.76	21.79
			24	22.00	21.74	21.63	21.69
		12	0	21.00	20.87	20.70	20.77
			6	21.00	20.89	20.75	20.81
			13	21.00	20.80	20.68	20.74
		25	0	21.00	20.82	20.70	20.76
	16QAM	1	0	21.00	20.89	20.89	20.53
			13	21.50	20.94	21.04	20.64
			24	21.00	20.83	20.87	20.50
		12	0	20.00	19.87	19.79	19.77
			6	20.00	19.85	19.83	19.84
			13	20.00	19.78	19.72	19.78
		25	0	20.00	19.88	19.73	19.83
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26840	26915	26990
					829.0MHz	836.5MHz	844.0MHz
10MHz	QPSK	1	0	22.00	21.84	21.73	21.64
			25	22.00	21.97	21.92	21.94
			49	22.00	21.76	21.70	21.78
		25	0	21.00	20.92	20.81	20.75
			13	21.00	20.87	20.77	20.80
			25	21.00	20.83	20.68	20.72
		50	0	21.00	20.88	20.72	20.79
	16QAM	1	0	21.50	20.98	21.21	20.64
			25	21.50	21.15	21.41	20.93
			49	21.50	20.87	21.20	20.79
		25	0	20.00	19.96	19.88	19.94
			13	20.00	19.93	19.88	19.93
			25	20.00	19.85	19.81	19.87
		50	0	20.00	19.92	19.86	19.83

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	26865	26915	26965
					831.5MHz	836.5MHz	841.5MHz
15MHz	QPSK	1	0	22.00	21.79	21.65	21.61
			38	22.00	21.85	21.74	21.77
			74	22.00	21.63	21.61	21.68
		36	0	21.00	20.88	20.82	20.78
			18	21.00	20.86	20.79	20.81
			39	21.00	20.78	20.81	20.77
		75	0	21.00	20.80	20.78	20.80
	16QAM	1	0	21.50	20.90	21.20	20.98
			38	21.50	20.99	21.29	21.13
			74	21.50	20.77	21.17	20.99
		36	0	20.00	19.91	19.83	19.78
			18	20.00	19.88	19.82	19.81
			39	20.00	19.81	19.77	19.83
		75	0	20.00	19.86	19.85	19.76

Band 30

LTE-FDD Band 30				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		27685	27710	27735
5MHz	QPSK	1	0	19.00	18.78	18.66	18.46
			12	19.00	18.92	18.71	18.81
			24	19.00	18.59	18.66	18.63
		12	0	19.00	18.76	18.88	18.73
			6	19.00	18.85	18.70	18.72
			13	19.00	18.79	18.70	18.62
		25	0	19.00	18.69	18.73	18.72
	16QAM	1	0	19.50	18.87	19.11	18.86
			12	19.50	18.81	19.08	18.78
			24	19.00	18.63	18.81	18.72
		12	0	19.00	18.84	18.70	18.83
			6	19.00	18.78	18.85	18.69
			13	19.00	18.69	18.60	18.76
		25	0	19.00	18.78	18.80	18.80
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	27710		
10MHz	QPSK	1	0	19.00	18.87		
			25	19.50	19.03		
			49	19.00	18.78		
		25	0	19.00	18.92		
			13	19.00	18.82		
			25	19.00	18.75		
		50	0	19.00	18.84		
	16QAM	1	0	19.50	19.00		
			25	19.00	18.98		
			49	19.00	18.73		
		25	0	19.00	18.92		
			13	19.00	18.82		
			25	19.00	18.73		
		50	0	19.00	18.81		

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	19.50	19.05	19.29	18.73		
			13	19.50	19.37	19.20	18.86		
			24	19.50	19.12	19.24	18.85		
		12	0	19.50	19.31	19.34	19.05		
			6	19.50	19.41	19.30	19.04		
			13	19.50	19.19	19.12	18.82		
		25	0	19.50	19.32	19.35	18.86		
	16QAM	1	0	19.50	19.22	19.32	18.92		
			13	19.50	19.42	19.39	18.85		
			24	19.50	19.15	19.12	18.90		
		12	0	19.50	19.10	19.16	18.84		
			6	19.50	19.20	19.32	19.07		
			13	19.50	19.10	19.09	19.03		
		25	0	19.50	19.41	19.21	19.05		
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37800	38000	38200		
					2575.00MHz	2595.00MHz	2615.00MHz		
10MHz	QPSK	1	0	19.50	19.14	19.30	19.05		
			25	20.00	19.57	19.49	19.20		
			49	19.50	19.38	19.20	18.99		
		25	0	19.50	19.36	19.27	19.07		
			13	19.50	19.41	19.18	19.01		
			25	19.50	19.35	19.17	19.06		
		50	0	19.50	19.24	19.25	18.82		
	16QAM	1	0	19.50	19.02	19.27	18.87		
			25	19.50	19.30	19.45	18.68		
			49	19.50	19.09	19.08	18.49		
		25	0	19.50	19.26	19.36	19.07		
			13	19.50	19.25	19.28	18.84		
			25	19.50	19.23	19.22	19.02		
		50	0	19.50	19.35	19.33	18.80		
		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	19.50	19.09	19.30	18.91		
			38	19.50	19.38	19.30	18.93		
			74	19.50	19.31	19.07	18.91		
		36	0	19.50	19.26	19.38	18.98		
			18	19.50	19.41	19.36	19.05		
			39	19.50	19.28	19.31	18.97		
		75	0	19.50	19.38	19.35	18.91		
	16QAM	1	0	19.50	18.98	19.32	18.90		
			38	19.50	19.18	19.35	18.82		
			74	19.50	19.09	19.22	18.98		
		36	0	19.50	19.31	19.24	19.13		
			18	19.50	19.37	19.32	19.11		
			39	19.50	19.38	19.18	18.80		
		75	0	19.50	19.23	19.23	19.05		

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	37850	38000	38150
					2580.0MHz	2595.0MHz	2610.0MHz
20MHz	QPSK	1	0	19.50	19.08	19.14	18.93
			50	19.50	19.35	19.41	19.11
			99	19.50	19.11	18.92	18.84
		50	0	19.50	19.20	19.34	19.03
			25	19.50	19.33	19.16	19.05
			50	19.50	19.28	19.06	18.93
		100	0	19.50	19.32	19.28	18.88
	16QAM	1	0	19.50	18.99	19.16	19.14
			50	20.00	19.58	19.23	18.61
			99	19.00	18.96	18.94	18.33
		50	0	19.50	19.32	19.24	19.16
			25	19.50	19.21	19.17	19.00
			50	19.50	19.29	19.09	18.77
		100	0	19.50	19.20	19.18	19.08

Band 41

LTE-TDD Band 41				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		39750	40620	41490
					2498.5MHz	2593.0MHz	2687.5MHz
5MHz	QPSK	1	0	19.50	17.87	19.07	18.03
			13	19.50	18.10	19.28	18.43
			24	19.50	17.75	19.09	18.01
		12	0	19.50	17.92	19.29	18.11
			6	19.50	18.14	19.25	18.21
			13	19.50	17.89	19.13	18.30
		25	0	19.50	17.92	19.28	18.17
	16QAM	1	0	19.50	17.93	19.16	18.15
			13	20.00	18.21	19.61	18.46
			24	19.50	18.22	19.19	18.27
		12	0	19.50	18.09	19.12	18.08
			6	19.50	17.97	19.37	18.23
			13	19.50	18.05	19.22	18.31
		25	0	19.50	17.91	19.11	18.08
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39750	40620	41490
					2498.5MHz	2593.0MHz	2687.5MHz
10MHz	QPSK	1	0	19.50	18.00	19.22	18.24
			25	20.00	18.06	19.53	18.37
			49	19.50	18.03	19.17	18.15
		25	0	19.50	18.17	19.41	18.22
			13	19.50	18.10	19.32	18.35
			25	19.50	18.08	19.20	18.40
		50	0	19.50	18.09	19.31	18.38
	16QAM	1	0	19.50	17.68	19.08	18.20
			25	19.50	17.75	19.30	18.47
			49	19.50	17.85	19.01	18.37
		25	0	19.50	18.17	19.43	18.26
			13	19.50	17.98	19.38	18.45
			25	19.50	18.07	19.34	18.28
		50	0	19.50	17.92	19.16	18.38

LTE-TDD Band 41				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		39750	40620	41490
					2498.5MHz	2593.0MHz	2687.5MHz
15MHz	QPSK	1	0	19.50	17.94	19.26	18.31
			38	19.50	17.92	19.41	18.26
			74	19.50	17.83	19.10	18.26
		36	0	19.50	17.91	19.39	18.42
			18	19.50	17.92	19.38	18.45
			39	19.50	18.02	19.22	18.39
		75	0	19.50	18.02	19.22	18.21
	16QAM	1	0	19.50	18.32	19.02	18.30
			38	19.50	18.28	19.12	18.38
			74	19.50	18.00	19.04	18.24
		36	0	19.50	18.05	19.21	18.23
			18	19.50	18.09	19.36	18.39
			39	19.50	17.87	19.17	18.36
		75	0	19.50	17.89	19.32	18.24
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	39750	40620	41490
					2498.5MHz	2593.0MHz	2687.5MHz
20MHz	QPSK	1	0	19.50	17.97	19.24	18.36
			50	20.00	18.01	19.57	18.28
			99	19.50	17.66	19.12	18.04
		50	0	19.50	18.00	19.34	18.44
			25	19.50	17.86	19.30	18.22
			50	19.50	17.80	19.20	18.15
		100	0	19.50	17.99	19.14	18.37
	16QAM	1	0	19.50	18.04	19.27	18.64
			50	19.50	18.27	19.28	18.93
			99	19.00	17.89	18.69	18.03
		50	0	19.50	17.99	19.19	18.43
			25	19.50	18.04	19.14	18.24
			50	19.50	17.97	19.19	18.34
		100	0	19.50	18.01	19.26	18.40

Band 66

LTE-FDD Band 66				Maximum Tune-up(dBm)	Conducted Power(dBm)		
Bandwidth	Modulation	RB allocation	RB offset		131979	132322	132665
					1710.7MHz	1745.0MHz	1779.3MHz
1.4MHz	QPSK	1	0	20.00	19.25	19.62	19.79
			2	20.00	19.38	19.74	19.90
			5	20.00	19.26	19.60	19.79
		3	0	20.00	19.34	19.76	19.89
			2	20.00	19.39	19.78	19.93
			3	20.00	19.37	19.74	19.93
		6	0	20.00	19.23	19.65	19.84
	16QAM	1	0	20.00	19.46	19.86	19.97
			2	20.50	19.69	20.05	20.14
			5	20.00	19.51	19.86	19.94
		3	0	20.00	19.25	19.71	19.79
			2	20.00	19.29	19.68	19.84
			3	20.00	19.28	19.66	19.83
		6	0	20.00	19.33	19.74	19.78

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131987	132322	132657
					1711.5MHz	1745.0MHz	1778.5MHz
3MHz	QPSK	1	0	20.00	19.22	19.72	19.84
			7	20.50	19.54	19.91	20.05
			14	20.00	19.33	19.65	19.84
		8	0	20.00	19.25	19.62	19.84
			4	20.00	19.32	19.64	19.86
			7	20.00	19.30	19.62	19.84
		15	0	20.00	19.27	19.60	19.80
			0	20.50	19.48	19.60	20.05
			7	20.50	19.66	19.81	20.28
	16QAM	1	14	20.00	19.53	19.51	19.98
			0	20.00	19.32	19.69	19.93
			4	20.00	19.35	19.71	19.96
		8	7	20.00	19.37	19.68	19.94
			0	20.00	19.23	19.57	19.86
			0	20.50	19.23	19.57	19.86
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	131997	132322	132647
					1712.5MHz	1745.0MHz	1777.5MHz
5MHz	QPSK	1	0	20.00	19.15	19.63	19.72
			13	20.00	19.37	19.72	19.85
			24	20.00	19.33	19.55	19.76
		12	0	20.00	19.21	19.59	19.71
			6	20.00	19.37	19.69	19.85
			13	20.00	19.41	19.68	19.81
		25	0	20.00	19.34	19.66	19.82
			0	20.00	19.38	19.74	19.79
			13	20.00	19.63	19.86	19.98
	16QAM	1	24	20.00	19.56	19.69	19.83
			0	20.00	19.28	19.70	19.76
			6	20.00	19.46	19.73	19.86
		12	13	20.00	19.47	19.72	19.82
			0	20.00	19.34	19.73	19.80
			0	20.50	19.34	19.73	19.80
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	132022	132322	132622
					1715.0MHz	1745.0MHz	1775.0MHz
10MHz	QPSK	1	0	20.00	19.23	19.75	19.73
			25	20.00	19.53	19.81	19.90
			49	20.00	19.48	19.63	19.73
		25	0	20.00	19.32	19.67	19.81
			13	20.00	19.51	19.74	19.88
			25	20.00	19.66	19.80	19.92
		50	0	20.00	19.46	19.73	19.83
			0	20.00	19.44	19.58	19.91
			25	20.50	19.75	19.70	20.09
	16QAM	1	49	20.00	19.72	19.54	19.96
			0	20.00	19.40	19.71	19.80
			13	20.00	19.55	19.79	19.87
		25	25	20.00	19.71	19.85	19.92
			0	20.00	19.52	19.75	19.88
			0	20.50	19.52	19.75	19.88

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	20.00	19.14	19.69	19.63
			38	20.00	19.48	19.71	19.82
			74	20.00	19.50	19.64	19.69
		36	0	20.00	19.29	19.68	19.79
			18	20.00	19.53	19.68	19.86
			39	20.00	19.61	19.76	19.91
		75	0	20.00	19.47	19.69	19.86
	16QAM	1	0	20.00	19.42	19.49	19.83
			38	20.50	19.78	19.59	20.02
			74	20.00	19.75	19.45	19.89
		36	0	20.00	19.36	19.56	19.75
			18	20.00	19.58	19.64	19.83
			39	20.00	19.65	19.75	19.85
		75	0	20.00	19.47	19.68	19.83
		Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	132072
1720.0MHz	1745.0MHz						1770.0MHz
20MHz	QPSK	1	0	20.00	19.15	19.39	19.61
			50	20.00	19.73	19.68	19.95
			99	20.00	19.54	19.36	19.66
		50	0	20.00	19.20	19.58	19.85
			25	20.00	19.57	19.68	19.80
			50	20.00	19.56	19.84	19.92
		100	0	20.00	19.40	19.74	19.86
	16QAM	1	0	20.00	19.29	19.60	19.72
			50	20.50	19.83	19.82	20.04
			99	20.00	19.66	19.60	19.84
		50	0	20.00	19.23	19.68	19.86
			25	20.00	19.59	19.79	19.85
			50	20.00	19.58	19.92	19.92
		100	0	20.00	19.35	19.74	19.90

Band 71

LTE-FDD Band 71				Maximum Tune-up(dBm)	Conducted Power(dBm)				
Bandwidth	Modulation	RB allocation	RB offset		133147	133297	133447		
					665.5MHz	680.5MHz	695.5MHz		
5MHz	QPSK	1	0	22.00	21.69	21.59	21.63		
			13	22.00	21.73	21.74	21.82		
			24	22.00	21.63	21.60	21.70		
		12	0	21.00	20.56	20.62	20.71		
			6	21.00	20.69	20.71	20.74		
			13	21.00	20.64	20.61	20.72		
		25	0	21.00	20.60	20.67	20.74		
			16QAM	1	0	21.00	20.69	20.76	20.73
					13	21.00	20.75	20.88	20.87
	24	21.00			20.63	20.72	20.76		
	12	0		20.00	19.53	19.66	19.70		
		6		20.00	19.64	19.74	19.76		
		13		20.00	19.57	19.63	19.73		
	25	0	20.00	19.60	19.60	19.78			

Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133172	133297	133422
					668.0MHz	680.5MHz	693.0MHz
10MHz	QPSK	1	0	22.00	21.65	21.68	21.64
			25	22.00	21.79	21.81	21.89
			49	22.00	21.71	21.64	21.78
		25	0	21.00	20.60	20.76	20.86
			13	21.00	20.70	20.72	20.82
			25	21.00	20.79	20.70	20.79
		50	0	21.00	20.64	20.81	20.80
			0	21.00	20.81	20.75	20.77
			25	21.50	20.88	20.94	21.03
	16QAM	1	49	21.00	20.87	20.71	20.96
			0	20.00	19.59	19.87	19.84
			13	20.00	19.73	19.87	19.80
		25	25	20.00	19.81	19.85	19.76
			0	20.00	19.64	19.80	19.80
			0	20.00	19.64	19.80	19.80
		50	0	20.00	19.64	19.80	19.80
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133197	133297	133397
					670.5MHz	680.5MHz	690.5MHz
15MHz	QPSK	1	0	22.00	21.67	21.56	21.49
			38	22.00	21.77	21.73	21.71
			74	22.00	21.71	21.61	21.72
		36	0	21.00	20.64	20.74	20.65
			18	21.00	20.79	20.75	20.74
			39	21.00	20.80	20.78	20.83
		75	0	21.00	20.73	20.73	20.70
			0	21.50	20.96	20.75	21.07
			38	21.50	21.11	20.86	21.20
	16QAM	1	74	21.50	21.09	20.78	21.22
			0	20.00	19.58	19.72	19.68
			18	20.00	19.71	19.71	19.78
		36	39	20.00	19.71	19.72	19.77
			0	20.00	19.70	19.73	19.71
			0	20.00	19.70	19.73	19.71
		75	0	20.00	19.70	19.73	19.71
Bandwidth	Modulation	RB allocation	RB offset	Maximum Tune-up(dBm)	133222	133322	133372
					673.0MHz	683.0MHz	688.0MHz
20MHz	QPSK	1	0	22.00	21.57	21.51	21.52
			50	22.00	21.89	21.78	21.80
			99	22.00	21.57	21.58	21.68
		50	0	21.00	20.50	20.65	20.53
			25	21.00	20.69	20.70	20.67
			50	21.00	20.66	20.67	20.66
		100	0	21.00	20.60	20.65	20.61
			0	21.50	20.78	21.04	20.69
			50	21.50	21.15	21.33	21.00
	16QAM	1	99	21.50	20.82	21.12	20.81
			0	20.00	19.47	19.62	19.51
			25	20.00	19.69	19.71	19.66
		50	50	20.00	19.63	19.67	19.64
			0	20.00	19.60	19.66	19.57
			0	20.00	19.60	19.66	19.57
		100	0	20.00	19.60	19.66	19.57

8.4 Wi-Fi

2.4G WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
2.4g Wifi (2.4~2.4835)	802.11b	1	2412	15.40	15.50	No
		6	2437	15.49	15.50	Yes
		11	2462	15.18	15.50	No
	802.11g	1	2412	15.38	15.50	No
		6	2437	15.53	16.00	No
		11	2462	14.72	15.00	No
	802.11n(HT20)	1	2412	14.99	15.00	No
		6	2437	15.10	15.50	No
		11	2462	14.65	15.00	No
	802.11n(HT40)	3	2422	15.59	16.00	No
		6	2437	15.66	16.00	No
		9	2452	15.43	15.50	No

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

5G WIFI

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	15.33	15.50	No
		40	5200	15.25	15.50	No
		48	5240	15.11	15.50	No
	802.11n(HT20)	36	5180	15.71	16.00	No
		40	5200	15.57	16.00	No
		48	5240	15.62	16.00	No
	802.11ac(VHT20)	36	5180	15.58	16.00	No
		40	5200	15.45	15.50	No
		48	5240	15.51	16.00	No
	802.11n(HT40)	38	5190	15.62	16.00	No
		46	5230	15.62	16.00	No
	802.11ac(VHT40)	38	5190	15.60	16.00	No
		46	5230	15.65	16.00	No
	802.11ac(VHT80)	42	5210	16.03	16.50	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	15.12	15.50	No
		56	5300	14.93	15.00	No
		64	5320	14.30	14.50	No
	802.11n(HT20)	52	5260	15.45	15.50	No
		56	5300	15.25	15.50	No
		64	5320	15.26	15.50	No
	802.11ac(VHT20)	52	5260	15.42	15.50	No
		56	5300	15.18	15.50	No
		64	5320	15.13	15.50	No
	802.11n(HT40)	54	5270	15.47	15.50	No
		62	5310	15.25	15.50	No
	802.11ac(VHT40)	54	5270	15.45	15.50	No
		62	5310	15.26	15.50	No
	802.11ac(VHT80)	58	5290	15.79	16.00	Yes

Band (GHz)	Mode	Channel	Freq. (MHz)	Average Power (dBm)	Maximum Tune-up(dBm)	SAR Test Require.
U-NII-2c (5.470~5.725)	802.11a	100	5500	13.01	13.50	No
		120	5580	12.39	12.50	No
		140	5700	12.19	12.50	No
	802.11n(HT20)	100	5500	14.05	14.50	Yes
		120	5580	13.12	13.50	No
		140	5700	13.15	13.50	No
	802.11ac(VHT20)	100	5500	13.99	14.00	No
		120	5580	13.08	13.50	No
		140	5700	13.16	13.50	No
	802.11n(HT40)	102	5510	13.72	14.00	No
		118	5550	13.31	13.50	No
		134	5670	13.34	13.50	No
	802.11ac(VHT40)	102	5510	13.76	14.00	No
		118	5550	13.51	14.00	No
		134	5670	13.31	13.50	No
	802.11ac(VHT80)	106	5530	13.73	14.00	No
		122	5610	13.24	13.50	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	11.88	12.00	No
		157	5785	11.81	12.00	No
		165	5825	11.99	12.00	No
	802.11n(HT20)	149	5745	12.87	13.00	No
		157	5785	12.64	13.00	No
		165	5825	12.86	13.00	No
	802.11ac(VHT20)	149	5745	12.80	13.00	No
		157	5785	12.56	13.00	No
		165	5825	12.89	13.00	No
	802.11n(HT40)	151	5755	12.86	13.00	No
		159	5795	12.93	13.00	No
	802.11ac(VHT40)	151	5755	12.82	13.00	No
		159	5795	12.78	13.00	No
	802.11ac(VHT80)	155	5775	13.62	14.00	Yes

8.5 Bluetooth

EDR	Mode	Maximum Tune-up(dBm)	Conducted Output Power (dBm)		
			0	39	78
			2402MHz	2441MHz	2480MHz
			3.60	4.58	3.98
BLE	GFSK	5.00	3.60	4.58	3.98
	π/4QPSK	4.00	2.83	3.78	3.14
	8DPSK	4.00	2.80	3.76	3.12
BLE	Mode	Maximum Tune-up(dBm)	Conducted Output Power (dBm)		
			0	20	39
			2402MHz	2440MHz	2480MHz
	1Mbps	-2.50	-3.44	-2.58	-3.27
	2Mbps	-2.50	-3.40	-2.59	-3.26

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

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

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

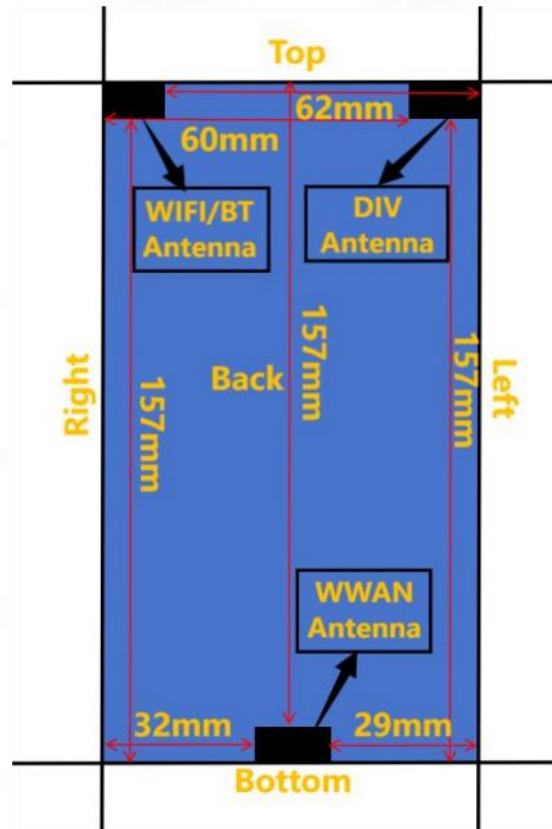
and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

*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.
- Conducted Power=0.000007943 mW.
The SAR Exclusion Threshold Level for 13.56MHz when the minimum test separation distance is < 50mm.
=[474*(1 +log100/f(MHz))]/2
=443mW
- Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

9. Test Exclusion Consideration

Antenna information:



WWAN Antenna	GSM/WCDMA/LTE TX/RX
WLAN/BT Antenna	WLAN/BT TX/RX
DIV Antenna	DIV 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	29	32	157	<25
BT/Wifi	<25	<25	62	<25	<25	157
DIV	<25	<25	<25	60	<25	157
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	Yes	Yes	Yes	No
DIV	Yes	Yes	No	No	Yes	No

10. Test Result

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 850 (voice)	Left Cheek	128	824.2	-1.320	0.096	100.00	1.000	31.71	32.00	1.069	0.103	/
	Left Tilt	128	824.2	-1.890	0.047	100.00	1.000	31.71	32.00	1.069	0.050	/
	Right Cheek	128	824.2	1.610	0.101	100.00	1.000	31.71	32.00	1.069	0.108	1#
	Right Tilt	128	824.2	1.300	0.053	100.00	1.000	31.71	32.00	1.069	0.057	/
Body(10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas. SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
GSM 850 (voice)	Front	128	824.2	-2.430	0.412	100.00	1.000	31.71	32.00	1.069	0.440	/
	Back	128	824.2	2.770	0.450	100.00	1.000	31.71	32.00	1.069	0.481	/
	Bottom	128	824.2	1.930	0.334	100.00	1.000	31.71	32.00	1.069	0.357	/
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	190	836.6	-2.200	0.436	100.00	1.000	28.63	29.00	1.089	0.475	/
	Back	190	836.6	-2.770	0.492	100.00	1.000	28.63	29.00	1.089	0.536	2#
	Bottom	190	836.6	3.210	0.354	100.00	1.000	28.63	29.00	1.089	0.386	/

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	810	1909.8	-3.690	0.260	100.00	1.000	28.72	29.00	1.067	0.277	/
	Left Tilt	810	1909.8	1.060	0.131	100.00	1.000	28.72	29.00	1.067	0.140	/
	Right Cheek	810	1909.8	0.320	0.267	100.00	1.000	28.72	29.00	1.067	0.285	3#
	Right Tilt	810	1909.8	-1.140	0.138	100.00	1.000	28.72	29.00	1.067	0.147	/
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	810	1909.8	-3.100	0.514	100.00	1.000	28.72	29.00	1.067	0.548	/
	Back	810	1909.8	-4.540	0.568	100.00	1.000	28.72	29.00	1.067	0.606	/
	Bottom	810	1909.8	-0.750	0.368	100.00	1.000	28.72	29.00	1.067	0.393	/
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	810	1909.8	-0.440	0.567	100.00	1.000	27.90	28.00	1.023	0.580	/
	Back	810	1909.8	-2.140	0.630	100.00	1.000	27.90	28.00	1.023	0.644	4#
	Bottom	810	1909.8	2.380	0.454	100.00	1.000	27.90	28.00	1.023	0.464	/

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	9538	1907.6	-3.220	0.308	100.00	1.000	21.49	21.50	1.002	0.309	/
	Left Tilt	9538	1907.6	-1.200	0.160	100.00	1.000	21.49	21.50	1.002	0.160	/
	Right Cheek	9538	1907.6	0.450	0.323	100.00	1.000	21.49	21.50	1.002	0.324	5#
	Right Tilt	9538	1907.6	-1.120	0.168	100.00	1.000	21.49	21.50	1.002	0.168	/
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	9538	1907.6	-4.050	0.425	100.00	1.000	21.49	21.50	1.002	0.426	/
	Back	9538	1907.6	-1.850	0.480	100.00	1.000	21.49	21.50	1.002	0.481	6#
	Bottom	9538	1907.6	-0.930	0.345	100.00	1.000	21.49	21.50	1.002	0.346	/

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	2.180	0.226	100.00	1.000	18.29	18.50	1.050	0.237	/
	Left Tilt	1513	1752.6	-1.510	0.120	100.00	1.000	18.29	18.50	1.050	0.126	/
	Right Cheek	1513	1752.6	0.030	0.235	100.00	1.000	18.29	18.50	1.050	0.247	7#
	Right Tilt	1513	1752.6	1.950	0.127	100.00	1.000	18.29	18.50	1.050	0.133	/

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	0.310	0.610	100.00	1.000	18.29	18.50	1.050	0.641	/
	Back	1513	1752.6	0.500	0.686	100.00	1.000	18.29	18.50	1.050	0.720	8#
	Bottom	1513	1752.6	-0.240	0.387	100.00	1.000	18.29	18.50	1.050	0.406	/

Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 5 (RMC*)	Left Cheek	4132	826.4	3.400	0.210	100.00	1.000	20.66	21.00	1.081	0.227	/
	Left Tilt	4132	826.4	1.650	0.100	100.00	1.000	20.66	21.00	1.081	0.108	/
	Right Cheek	4132	826.4	-3.270	0.219	100.00	1.000	20.66	21.00	1.081	0.237	9#
	Right Tilt	4132	826.4	-0.460	0.109	100.00	1.000	20.66	21.00	1.081	0.118	/

Body(hotspot open, 10mm Gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
WCDMA Band 5 (RMC*)	Front	4132	826.4	3.760	0.218	100.00	1.000	20.66	21.00	1.081	0.236	/
	Back	4132	826.4	0.260	0.269	100.00	1.000	20.66	21.00	1.081	0.291	10#
	Bottom	4132	826.4	0.480	0.146	100.00	1.000	20.66	21.00	1.081	0.158	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 2 (BW: 20MHz)	1RB	Left Cheek	19100	1900.0	2.890	0.321	100.00	1.000	22.48	22.50	1.005	0.323	/
		Left Tilt	19100	1900.0	-2.200	0.164	100.00	1.000	22.48	22.50	1.005	0.165	/
		Right Cheek	19100	1900.0	-1.630	0.330	100.00	1.000	22.48	22.50	1.005	0.332	11#
		Right Tilt	19100	1900.0	-1.770	0.170	100.00	1.000	22.48	22.50	1.005	0.171	/
	50%RB	Left Cheek	19100	1900.0	1.780	0.286	100.00	1.000	21.39	21.50	1.026	0.293	/
		Left Tilt	19100	1900.0	0.970	0.146	100.00	1.000	21.39	21.50	1.026	0.150	/
		Right Cheek	19100	1900.0	3.160	0.300	100.00	1.000	21.39	21.50	1.026	0.308	/
		Right Tilt	19100	1900.0	-1.080	0.154	100.00	1.000	21.39	21.50	1.026	0.158	/

Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 2 (BW: 20MHz)	1RB	Front	19100	1900.0	-3.840	0.661	100.00	1.000	22.48	22.50	1.005	0.664	/
		Back	19100	1900.0	-2.750	0.769	100.00	1.000	22.48	22.50	1.005	0.773	12#
		Bottom	19100	1900.0	-0.160	0.485	100.00	1.000	22.48	22.50	1.005	0.487	/
	50%RB	Front	19100	1900.0	0.460	0.630	100.00	1.000	21.39	21.50	1.026	0.646	/
		Back	19100	1900.0	2.910	0.724	100.00	1.000	21.39	21.50	1.026	0.743	/
		Bottom	19100	1900.0	-1.370	0.440	100.00	1.000	21.39	21.50	1.026	0.451	/

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	2.880	0.255	100.00	1.000	22.88	23.00	1.028	0.262	/
		Left Tilt	20175	1732.5	-2.370	0.130	100.00	1.000	22.88	23.00	1.028	0.134	/
		Right Cheek	20175	1732.5	-1.450	0.264	100.00	1.000	22.88	23.00	1.028	0.271	13#
		Right Tilt	20175	1732.5	0.440	0.138	100.00	1.000	22.88	23.00	1.028	0.142	/
	50%RB	Left Cheek	20175	1732.5	-1.010	0.213	100.00	1.000	21.76	22.00	1.057	0.225	/
		Left Tilt	20175	1732.5	-1.560	0.101	100.00	1.000	21.76	22.00	1.057	0.107	/
		Right Cheek	20175	1732.5	-3.500	0.225	100.00	1.000	21.76	22.00	1.057	0.238	/
		Right Tilt	20175	1732.5	0.250	0.110	100.00	1.000	21.76	22.00	1.057	0.116	/

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	-1.160	0.342	100.00	1.000	22.88	23.00	1.028	0.352	/
		Back	20175	1732.5	1.510	0.419	100.00	1.000	22.88	23.00	1.028	0.431	14#
		Bottom	20175	1732.5	-4.460	0.304	100.00	1.000	22.88	23.00	1.028	0.313	/
	50%RB	Front	20175	1732.5	0.740	0.315	100.00	1.000	21.76	22.00	1.057	0.333	/
		Back	20175	1732.5	-0.870	0.375	100.00	1.000	21.76	22.00	1.057	0.396	/
		Bottom	20175	1732.5	4.650	0.267	100.00	1.000	21.76	22.00	1.057	0.282	/

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	1.380	0.140	100.00	1.000	21.97	22.00	1.007	0.141	/
		Left Tilt	20450	829.0	-2.460	0.071	100.00	1.000	21.97	22.00	1.007	0.071	/
		Right Cheek	20450	829.0	-2.800	0.146	100.00	1.000	21.97	22.00	1.007	0.147	15#
		Right Tilt	20450	829.0	-0.220	0.078	100.00	1.000	21.97	22.00	1.007	0.079	/
	50%RB	Left Cheek	20450	829.0	-1.870	0.114	100.00	1.000	20.85	21.00	1.035	0.118	/
		Left Tilt	20450	829.0	-4.830	0.060	100.00	1.000	20.85	21.00	1.035	0.062	/
		Right Cheek	20450	829.0	-3.170	0.125	100.00	1.000	20.85	21.00	1.035	0.129	/
		Right Tilt	20450	829.0	-3.410	0.066	100.00	1.000	20.85	21.00	1.035	0.068	/

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	-1.230	0.256	100.00	1.000	21.97	22.00	1.007	0.258	/
		Back	20450	829.0	-3.570	0.305	100.00	1.000	21.97	22.00	1.007	0.307	16#
		Bottom	20450	829.0	-0.600	0.207	100.00	1.000	21.97	22.00	1.007	0.208	/
	50%RB	Front	20450	829.0	0.730	0.233	100.00	1.000	20.85	21.00	1.035	0.241	/
		Back	20450	829.0	-1.630	0.285	100.00	1.000	20.85	21.00	1.035	0.295	/
		Bottom	20450	829.0	-2.190	0.184	100.00	1.000	20.85	21.00	1.035	0.190	/

Head(0mm gap)														
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Band 7 (BW: 10MHz)	1RB	Left Cheek	21350	2560.0	2.630	0.842	100.00	1.000	22.63	23.00	1.089	0.917	/	
		Left Tilt	21350	2560.0	1.140	0.452	100.00	1.000	22.63	23.00	1.089	0.492	/	
		Right Cheek	20850	2510.0	-3.120	0.779	100.00	1.000	21.29	21.50	1.050	0.818	/	
		Right Cheek	21100	2535.0	0.470	0.801	100.00	1.000	21.72	22.00	1.067	0.855	/	
		Right Cheek	21350	2560.0	-1.610	0.853	100.00	1.000	22.63	23.00	1.089	0.929	17#	
		Right Cheek (repeat)	21350	2560.0	-4.150	0.850	100.00	1.000	22.63	23.00	1.089	0.926	/	
		Right Tilt	21350	2560.0	-2.320	0.465	100.00	1.000	22.63	23.00	1.089	0.506	/	
	50%RB	Left Cheek	21350	2560.0	0.520	0.758	100.00	1.000	21.48	21.50	1.005	0.762	/	
		Left Tilt	21350	2560.0	3.580	0.415	100.00	1.000	21.48	21.50	1.005	0.417	/	
		Right Cheek	21350	2560.0	-4.380	0.768	100.00	1.000	21.48	21.50	1.005	0.772	/	
		Right Tilt	21350	2560.0	-2.140	0.421	100.00	1.000	21.48	21.50	1.005	0.423	/	

Body(hotspot open, 10mm Gap)														
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Band 7 (BW: 10MHz)	1RB	Front	21350	2560.0	1.320	0.785	100.00	1.000	22.63	23.00	1.089	0.855	/	
		Back	20850	2510.0	-4.050	0.833	100.00	1.000	21.29	21.50	1.050	0.875	/	
		Back	21100	2535.0	-1.060	0.852	100.00	1.000	21.72	22.00	1.067	0.909	/	
		Back	21350	2560.0	2.280	0.904	100.00	1.000	22.63	23.00	1.089	0.984	18#	
		Back-repeat	21350	2560.0	1.040	0.899	100.00	1.000	22.63	23.00	1.089	0.979	/	
		Bottom	21350	2560.0	-3.500	0.512	100.00	1.000	22.63	23.00	1.089	0.558	/	
	50%RB	Front	21350	2560.0	2.650	0.731	100.00	1.000	21.48	21.50	1.005	0.735	/	
		Back	21350	2560.0	-0.360	0.842	100.00	1.000	21.48	21.50	1.005	0.846	/	
		Bottom	21350	2560.0	1.240	0.480	100.00	1.000	21.48	21.50	1.005	0.482	/	

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	23130	711.0	-0.100	0.040	100.00	1.000	22.16	22.50	1.081	0.043	/
		Left Tilt	23130	711.0	-3.130	0.021	100.00	1.000	22.16	22.50	1.081	0.023	/
		Right Cheek	23130	711.0	-1.220	0.045	100.00	1.000	22.16	22.50	1.081	0.049	19#
		Right Tilt	23130	711.0	-2.780	0.026	100.00	1.000	22.16	22.50	1.081	0.028	/
	50%RB	Left Cheek	23130	711.0	-3.420	0.032	100.00	1.000	21.16	21.50	1.081	0.035	/
		Left Tilt	23130	711.0	-0.190	0.017	100.00	1.000	21.16	21.50	1.081	0.018	/
		Right Cheek	23130	711.0	3.140	0.038	100.00	1.000	21.16	21.50	1.081	0.041	/
		Right Tilt	23130	711.0	0.330	0.021	100.00	1.000	21.16	21.50	1.081	0.023	/

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	23130	711.0	-1.470	0.095	100.00	1.000	22.16	22.50	1.081	0.103	/
		Back	23130	711.0	0.560	0.110	100.00	1.000	22.16	22.50	1.081	0.119	20#
		Bottom	23130	711.0	2.630	0.075	100.00	1.000	22.16	22.50	1.081	0.081	/
	50%RB	Front	23130	711.0	3.370	0.083	100.00	1.000	21.16	21.50	1.081	0.090	/
		Back	23130	711.0	-1.050	0.100	100.00	1.000	21.16	21.50	1.081	0.108	/
		Bottom	23130	711.0	2.860	0.066	100.00	1.000	21.16	21.50	1.081	0.071	/

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	-1.460	0.122	100.00	1.000	23.26	23.50	1.057	0.129	/
		Left Tilt	23230	782.0	4.170	0.061	100.00	1.000	23.26	23.50	1.057	0.064	/
		Right Cheek	23230	782.0	-1.930	0.129	100.00	1.000	23.26	23.50	1.057	0.136	21#
		Right Tilt	23230	782.0	-0.800	0.069	100.00	1.000	23.26	23.50	1.057	0.073	/
	50%RB	Left Cheek	23230	782.0	0.420	0.097	100.00	1.000	22.13	22.50	1.089	0.106	/
		Left Tilt	23230	782.0	-0.090	0.052	100.00	1.000	22.13	22.50	1.089	0.057	/
		Right Cheek	23230	782.0	-4.440	0.104	100.00	1.000	22.13	22.50	1.089	0.113	/
		Right Tilt	23230	782.0	4.370	0.058	100.00	1.000	22.13	22.50	1.089	0.063	/

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	-2.430	0.151	100.00	1.000	23.26	23.50	1.057	0.160	/
		Back	23230	782.0	0.070	0.192	100.00	1.000	23.26	23.50	1.057	0.203	22#
		Bottom	23230	782.0	1.650	0.126	100.00	1.000	23.26	23.50	1.057	0.133	/
	50%RB	Front	23230	782.0	-2.240	0.135	100.00	1.000	22.13	22.50	1.089	0.147	/
		Back	23230	782.0	-4.050	0.177	100.00	1.000	22.13	22.50	1.089	0.193	/
		Bottom	23230	782.0	-3.660	0.105	100.00	1.000	22.13	22.50	1.089	0.114	/

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	0.250	0.045	100.00	1.000	22.27	22.50	1.054	0.047	/
		Left Tilt	23780	709.0	2.400	0.021	100.00	1.000	22.27	22.50	1.054	0.022	/
		Right Cheek	23780	709.0	3.480	0.049	100.00	1.000	22.27	22.50	1.054	0.052	23#
		Right Tilt	23780	709.0	2.600	0.026	100.00	1.000	22.27	22.50	1.054	0.027	/
	50%RB	Left Cheek	23780	709.0	-1.350	0.031	100.00	1.000	21.12	21.50	1.091	0.034	/
		Left Tilt	23780	709.0	-3.250	0.016	100.00	1.000	21.12	21.50	1.091	0.017	/
		Right Cheek	23780	709.0	1.620	0.036	100.00	1.000	21.12	21.50	1.091	0.039	/
		Right Tilt	23780	709.0	0.170	0.019	100.00	1.000	21.12	21.50	1.091	0.021	/

Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 17 (BW: 10MHz)	1RB	Front	23780	709.0	-1.070	0.086	100.00	1.000	22.27	22.50	1.054	0.091	/
		Back	23780	709.0	-1.340	0.106	100.00	1.000	22.27	22.50	1.054	0.112	24#
		Bottom	23780	709.0	-0.230	0.061	100.00	1.000	22.27	22.50	1.054	0.064	/
	50%RB	Front	23780	709.0	1.320	0.078	100.00	1.000	21.12	21.50	1.091	0.085	/
		Back	23780	709.0	3.130	0.095	100.00	1.000	21.12	21.50	1.091	0.104	/
		Bottom	23780	709.0	-1.980	0.053	100.00	1.000	21.12	21.50	1.091	0.058	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 25 (BW:20MHz)	1RB	Left Cheek	26590	1905.0	4.220	0.536	100.00	1.000	22.99	23.00	1.002	0.537	/
		Left Tilt	26590	1905.0	-0.190	0.260	100.00	1.000	22.99	23.00	1.002	0.261	/
		Right Cheek	26590	1905.0	-0.570	0.547	100.00	1.000	22.99	23.00	1.002	0.548	25#
		Right Tilt	26590	1905.0	-1.560	0.271	100.00	1.000	22.99	23.00	1.002	0.272	/
	50%RB	Left Cheek	26590	1905.0	2.660	0.492	100.00	1.000	21.82	22.00	1.042	0.513	/
		Left Tilt	26590	1905.0	-1.670	0.250	100.00	1.000	21.82	22.00	1.042	0.261	/
		Right Cheek	26590	1905.0	-4.430	0.501	100.00	1.000	21.82	22.00	1.042	0.522	/
		Right Tilt	26590	1905.0	1.890	0.256	100.00	1.000	21.82	22.00	1.042	0.267	/

Body(hotspot open, 10mm Gap)														
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.	
Band 25 (BW: 20MHz)	1RB	Front	26590	1905.0	0.080	0.388	100.00	1.000	22.99	23.00	1.002	0.389	/	
		Back	26590	1905.0	0.200	0.434	100.00	1.000	22.99	23.00	1.002	0.435	26#	
		Bottom	26590	1905.0	-2.210	0.323	100.00	1.000	22.99	23.00	1.002	0.324	/	
	50%RB	Front	26590	1905.0	-0.620	0.352	100.00	1.000	21.82	22.00	1.042	0.367	/	
		Back	26590	1905.0	3.940	0.401	100.00	1.000	21.82	22.00	1.042	0.418	/	
		Bottom	26590	1905.0	4.140	0.289	100.00	1.000	21.82	22.00	1.042	0.301	/	

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 90 (BW:10MHz)	1RB	Left Cheek	26740	819.0	-3.830	0.119	100.00	1.000	22.21	22.50	1.069	0.127	/
		Left Tilt	26740	819.0	-3.010	0.060	100.00	1.000	22.21	22.50	1.069	0.064	/
		Right Cheek	26740	819.0	-0.190	0.125	100.00	1.000	22.21	22.50	1.069	0.134	27#
		Right Tilt	26740	819.0	-3.340	0.066	100.00	1.000	22.21	22.50	1.069	0.071	/
	50%RB	Left Cheek	26740	819.0	4.230	0.102	100.00	1.000	21.08	21.50	1.102	0.112	/
		Left Tilt	26740	819.0	-2.820	0.047	100.00	1.000	21.08	21.50	1.102	0.052	/
		Right Cheek	26740	819.0	-1.820	0.110	100.00	1.000	21.08	21.50	1.102	0.121	/
		Right Tilt	26740	819.0	2.330	0.052	100.00	1.000	21.08	21.50	1.102	0.057	/

Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 90 (BW: 10MHz)	1RB	Front	26740	819.0	-3.180	0.153	100.00	1.000	22.21	22.50	1.069	0.164	/
		Back	26740	819.0	-2.100	0.192	100.00	1.000	22.21	22.50	1.069	0.205	28#
		Bottom	26740	819.0	2.860	0.114	100.00	1.000	22.21	22.50	1.069	0.122	/
	50%RB	Front	26740	819.0	-3.260	0.129	100.00	1.000	21.08	21.50	1.102	0.142	/
		Back	26740	819.0	-0.090	0.170	100.00	1.000	21.08	21.50	1.102	0.187	/
		Bottom	26740	819.0	0.670	0.100	100.00	1.000	21.08	21.50	1.102	0.110	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 22 (BW:15MHz)	1RB	Left Cheek	26865	831.5	3.880	0.140	100.00	1.000	21.85	22.00	1.035	0.145	/
		Left Tilt	26865	831.5	-2.020	0.071	100.00	1.000	21.85	22.00	1.035	0.073	/
		Right Cheek	26865	831.5	1.110	0.147	100.00	1.000	21.85	22.00	1.035	0.152	29#
		Right Tilt	26865	831.5	-2.720	0.078	100.00	1.000	21.85	22.00	1.035	0.081	/
	50%RB	Left Cheek	26865	831.5	1.890	0.117	100.00	1.000	20.88	21.00	1.028	0.120	/
		Left Tilt	26865	831.5	-2.170	0.058	100.00	1.000	20.88	21.00	1.028	0.060	/
		Right Cheek	26865	831.5	-4.830	0.122	100.00	1.000	20.88	21.00	1.028	0.125	/
		Right Tilt	26865	831.5	3.740	0.064	100.00	1.000	20.88	21.00	1.028	0.066	/

Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 26 Part 22 (BW: 15MHz)	1RB	Front	26865	831.5	3.350	0.152	100.00	1.000	21.85	22.00	1.035	0.157	/
		Back	26865	831.5	-3.410	0.196	100.00	1.000	21.85	22.00	1.035	0.203	30#
		Bottom	26865	831.5	0.180	0.120	100.00	1.000	21.85	22.00	1.035	0.124	/
	50%RB	Front	26865	831.5	-1.490	0.135	100.00	1.000	20.88	21.00	1.028	0.139	/
		Back	26865	831.5	3.800	0.172	100.00	1.000	20.88	21.00	1.028	0.177	/
		Bottom	26865	831.5	2.880	0.101	100.00	1.000	20.88	21.00	1.028	0.104	/

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 30 (BW: 10MHz)	1RB	Left Cheek	27710	2310.0	-1.930	0.687	100.00	1.000	19.03	19.50	1.114	0.765	/
		Left Tilt	27710	2310.0	-3.460	0.352	100.00	1.000	19.03	19.50	1.114	0.392	/
		Right Cheek	27710	2310.0	1.280	0.714	100.00	1.000	19.03	19.50	1.114	0.795	31#
		Right Tilt	27710	2310.0	-2.990	0.361	100.00	1.000	19.03	19.50	1.114	0.402	/
	50%RB	Left Cheek	27710	2310.0	-2.570	0.650	100.00	1.000	18.92	19.00	1.019	0.662	/
		Left Tilt	27710	2310.0	4.430	0.338	100.00	1.000	18.92	19.00	1.019	0.344	/
		Right Cheek	27710	2310.0	-1.860	0.660	100.00	1.000	18.92	19.00	1.019	0.673	/
		Right Tilt	27710	2310.0	3.030	0.345	100.00	1.000	18.92	19.00	1.019	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 30 (BW: 10MHz)	1RB	Front	27710	2310.0	-0.580	0.281	100.00	1.000	19.03	19.50	1.114	0.313	/
		Back	27710	2310.0	-0.560	0.324	100.00	1.000	19.03	19.50	1.114	0.361	32#
		Bottom	27710	2310.0	2.290	0.242	100.00	1.000	19.03	19.50	1.114	0.270	/
	50%RB	Front	27710	2310.0	-0.150	0.256	100.00	1.000	18.92	19.00	1.019	0.261	/
		Back	27710	2310.0	1.010	0.297	100.00	1.000	18.92	19.00	1.019	0.303	/
		Bottom	27710	2310.0	2.470	0.221	100.00	1.000	18.92	19.00	1.019	0.225	/

Head(0mm gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 38 (BW: 20MHz)	1RB	Left Cheek	38000	2595.0	-0.480	0.730	100.00	1.000	19.41	19.50	1.021	0.745	/
		Left Tilt	38000	2595.0	0.070	0.354	100.00	1.000	19.41	19.50	1.021	0.361	/
		Right Cheek	38000	2595.0	0.320	0.752	100.00	1.000	19.41	19.50	1.021	0.768	33#
		Right Tilt	38000	2595.0	-2.190	0.370	100.00	1.000	19.41	19.50	1.021	0.378	/
	50%RB	Left Cheek	38000	2595.0	2.670	0.706	100.00	1.000	19.34	19.50	1.038	0.733	/
		Left Tilt	38000	2595.0	2.020	0.342	100.00	1.000	19.34	19.50	1.038	0.355	/
		Right Cheek	38000	2595.0	3.990	0.732	100.00	1.000	19.34	19.50	1.038	0.760	/
		Right Tilt	38000	2595.0	-3.730	0.356	100.00	1.000	19.34	19.50	1.038	0.370	/

Body(hotspot open, 10mm Gap)													
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Band 38 (BW: 20MHz)	1RB	Front	38000	2595.0	2.810	0.255	100.00	1.000	19.41	19.50	1.021	0.260	/
		Back	38000	2595.0	0.960	0.317	100.00	1.000	19.41	19.50	1.021	0.324	34#
		Bottom	38000	2595.0	-1.880	0.202	100.00	1.000	19.41	19.50	1.021	0.206	/
	50%RB	Front	38000	2595.0	-2.850	0.226	100.00	1.000	19.34	19.50	1.038	0.235	/
		Back	38000	2595.0	1.370	0.275	100.00	1.000	19.34	19.50	1.038	0.285	/
		Bottom	38000	2595.0	-2.780	0.168	100.00	1.000	19.34	19.50	1.038	0.174	/

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	40620	2593.0	-3.320	0.384	100.00	1.000	19.57	20.00	1.104	0.424	/
		Left Tilt	40620	2593.0	-0.630	0.200	100.00	1.000	19.57	20.00	1.104	0.221	/
		Right Cheek	40620	2593.0	-0.230	0.402	100.00	1.000	19.57	20.00	1.104	0.444	35#
		Right Tilt	40620	2593.0	4.930	0.206	100.00	1.000	19.57	20.00	1.104	0.227	/
	50%RB	Left Cheek	40620	2593.0	-0.800	0.357	100.00	1.000	19.34	19.50	1.038	0.371	/
		Left Tilt	40620	2593.0	0.460	0.171	100.00	1.000	19.34	19.50	1.038	0.177	/
		Right Cheek	40620	2593.0	-0.400	0.364	100.00	1.000	19.34	19.50	1.038	0.378	/
		Right Tilt	40620	2593.0	3.710	0.180	100.00	1.000	19.34	19.50	1.038	0.187	/

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	40620	2593.0	-1.480	0.310	100.00	1.000	19.57	20.00	1.104	0.342	/
		Back	40620	2593.0	-1.070	0.350	100.00	1.000	19.57	20.00	1.104	0.386	36#
		Bottom	40620	2593.0	0.460	0.260	100.00	1.000	19.57	20.00	1.104	0.287	/
	50%RB	Front	40620	2593.0	4.130	0.282	100.00	1.000	19.34	19.50	1.038	0.293	/
		Back	40620	2593.0	2.020	0.323	100.00	1.000	19.34	19.50	1.038	0.335	/
		Bottom	40620	2593.0	-0.460	0.233	100.00	1.000	19.34	19.50	1.038	0.242	/

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	132572	1770.0	3.030	0.661	100.00	1.000	19.95	20.00	1.012	0.669	/
		Left Tilt	132572	1770.0	4.420	0.335	100.00	1.000	19.95	20.00	1.012	0.339	/
		Right Cheek	132572	1770.0	-1.430	0.685	100.00	1.000	19.95	20.00	1.012	0.693	37#
		Right Tilt	132572	1770.0	2.500	0.351	100.00	1.000	19.95	20.00	1.012	0.355	/
	50%RB	Left Cheek	132572	1770.0	2.540	0.615	100.00	1.000	19.92	20.00	1.019	0.627	/
		Left Tilt	132572	1770.0	-2.580	0.308	100.00	1.000	19.92	20.00	1.019	0.314	/
		Right Cheek	132572	1770.0	-4.960	0.634	100.00	1.000	19.92	20.00	1.019	0.646	/
		Right Tilt	132572	1770.0	1.170	0.321	100.00	1.000	19.92	20.00	1.019	0.327	/

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	132572	1770.0	-3.440	0.251	100.00	1.000	19.95	20.00	1.012	0.254	/
		Back	132572	1770.0	-0.620	0.309	100.00	1.000	19.95	20.00	1.012	0.313	38#
		Bottom	132572	1770.0	-2.410	0.220	100.00	1.000	19.95	20.00	1.012	0.223	/
	50%RB	Front	132572	1770.0	-3.120	0.230	100.00	1.000	19.92	20.00	1.019	0.234	/
		Back	132572	1770.0	2.520	0.269	100.00	1.000	19.92	20.00	1.019	0.274	/
		Bottom	132572	1770.0	-1.640	0.193	100.00	1.000	19.92	20.00	1.019	0.197	/

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	133222	673.0	-1.800	0.030	100.00	1.000	21.89	22.00	1.026	0.031	/
		Left Tilt	133222	673.0	1.580	0.018	100.00	1.000	21.89	22.00	1.026	0.018	/
		Right Cheek	133222	673.0	0.710	0.038	100.00	1.000	21.89	22.00	1.026	0.039	39#
		Right Tilt	133222	673.0	-2.700	0.023	100.00	1.000	21.89	22.00	1.026	0.024	/
	50%RB	Left Cheek	133222	673.0	1.960	0.021	100.00	1.000	20.69	21.00	1.074	0.023	/
		Left Tilt	133222	673.0	-3.620	0.012	100.00	1.000	20.69	21.00	1.074	0.013	/
		Right Cheek	133222	673.0	-4.200	0.026	100.00	1.000	20.69	21.00	1.074	0.028	/
		Right Tilt	133222	673.0	3.710	0.016	100.00	1.000	20.69	21.00	1.074	0.017	/

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	133222	673.0	-1.690	0.085	100.00	1.000	21.89	22.00	1.026	0.087	/
		Back	133222	673.0	4.710	0.113	100.00	1.000	21.89	22.00	1.026	0.116	40#
		Bottom	133222	673.0	-3.190	0.066	100.00	1.000	21.89	22.00	1.026	0.068	/
	50%RB	Front	133222	673.0	-0.270	0.077	100.00	1.000	20.69	21.00	1.074	0.083	/
		Back	133222	673.0	-4.010	0.102	100.00	1.000	20.69	21.00	1.074	0.110	/
		Bottom	133222	673.0	-4.120	0.057	100.00	1.000	20.69	21.00	1.074	0.061	/

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	1.520	0.383	100.00	1.000	15.49	15.50	1.002	0.384	/
	Left Tilt	6	2437	-1.200	0.192	100.00	1.000	15.49	15.50	1.002	0.192	/
	Right Cheek	6	2437	2.190	0.393	100.00	1.000	15.49	15.50	1.002	0.394	41#
	Right Tilt	6	2437	0.650	0.204	100.00	1.000	15.49	15.50	1.002	0.204	/
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	-2.760	0.130	100.00	1.000	15.49	15.50	1.002	0.130	/
	Back	6	2437	-2.030	0.151	100.00	1.000	15.49	15.50	1.002	0.151	42#
	Right	6	2437	-3.950	0.082	100.00	1.000	15.49	15.50	1.002	0.082	/
	Top	6	2437	1.090	0.117	100.00	1.000	15.49	15.50	1.002	0.117	/

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	0.980	0.546	100.00	1.000	16.03	16.50	1.114	0.608	/
	Left Tilt	42	5210	2.610	0.280	100.00	1.000	16.03	16.50	1.114	0.312	/
	Right Cheek	42	5210	-0.090	0.554	100.00	1.000	16.03	16.50	1.114	0.617	43#
	Right Tilt	42	5210	-1.060	0.287	100.00	1.000	16.03	16.50	1.114	0.320	/
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	3.540	0.221	100.00	1.000	16.03	16.50	1.114	0.246	/
	Back	42	5210	2.500	0.263	100.00	1.000	16.03	16.50	1.114	0.293	44#
	Right	42	5210	-1.580	0.150	100.00	1.000	16.03	16.50	1.114	0.167	/
	Top	42	5210	1.370	0.184	100.00	1.000	16.03	16.50	1.114	0.205	/

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) 802.11ac(VHT80)	Left Cheek	58	5290	-0.310	0.421	100.00	1.000	15.79	16.00	1.050	0.442	/
	Left Tilt	58	5290	-1.060	0.225	100.00	1.000	15.79	16.00	1.050	0.236	/
	Right Cheek	58	5290	-0.950	0.432	100.00	1.000	15.79	16.00	1.050	0.454	45#
	Right Tilt	58	5290	-1.900	0.234	100.00	1.000	15.79	16.00	1.050	0.246	/
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) 802.11ac(VHT80)	Front	58	5290	3.850	0.388	100.00	1.000	15.79	16.00	1.050	0.407	/
	Back	58	5290	3.870	0.434	100.00	1.000	15.79	16.00	1.050	0.456	46#
	Right	58	5290	1.570	0.271	100.00	1.000	15.79	16.00	1.050	0.285	/
	Top	58	5290	-4.620	0.326	100.00	1.000	15.79	16.00	1.050	0.342	/
Head(0mm gap)												
Mode	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Duty cycle (%)	Duty cycle Factor	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
U-NII-2c (5.470~5.725) 802.11n(HT20)	Left Cheek	100	5500	2.890	0.380	100.00	1.000	14.05	14.50	1.109	0.421	/
	Left Tilt	100	5500	-1.600	0.187	100.00	1.000	14.05	14.50	1.109	0.207	/
	Right Cheek	100	5500	-1.280	0.386	100.00	1.000	14.05	14.50	1.109	0.428	47#
	Right Tilt	100	5500	1.650	0.195	100.00	1.000	14.05	14.50	1.109	0.216	/
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) 802.11n(HT20)	Front	100	5500	2.380	0.320	100.00	1.000	14.05	14.50	1.109	0.355	/
	Back	100	5500	-2.340	0.391	100.00	1.000	14.05	14.50	1.109	0.434	48#
	Right	100	5500	-2.870	0.254	100.00	1.000	14.05	14.50	1.109	0.282	/
	Top	100	5500	-2.750	0.286	100.00	1.000	14.05	14.50	1.109	0.317	/
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	2.430	0.094	100.00	1.000	13.62	14.00	1.091	0.103	/
	Left Tilt	155	5775	3.600	0.051	100.00	1.000	13.62	14.00	1.091	0.056	/
	Right Cheek	155	5775	1.740	0.102	100.00	1.000	13.62	14.00	1.091	0.111	49#
	Right Tilt	155	5775	3.660	0.056	100.00	1.000	13.62	14.00	1.091	0.061	/
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	-1.490	0.325	100.00	1.000	13.62	14.00	1.091	0.355	/
	Back	155	5775	1.550	0.370	100.00	1.000	13.62	14.00	1.091	0.404	50#
	Right	155	5775	2.940	0.230	100.00	1.000	13.62	14.00	1.091	0.251	/
	Top	155	5775	4.650	0.267	100.00	1.000	13.62	14.00	1.091	0.291	/
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	0.040	0.004	100.00	1.000	4.58	5.00	1.102	0.004	/
	Left Tilt	39	2441	4.090	0.002	100.00	1.000	4.58	5.00	1.102	0.002	/
	Right Cheek	39	2441	2.000	0.005	100.00	1.000	4.58	5.00	1.102	0.006	51#
	Right Tilt	39	2441	-3.520	0.003	100.00	1.000	4.58	5.00	1.102	0.003	/
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	1.980	0.002	100.00	1.000	4.58	5.00	1.102	0.002	/
	Back	39	2441	-2.530	0.003	100.00	1.000	4.58	5.00	1.102	0.003	52#
	Right	39	2441	1.230	0.001	100.00	1.000	4.58	5.00	1.102	0.001	/
	Top	39	2441	3.110	0.001	100.00	1.000	4.58	5.00	1.102	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 $\leq 0.8W/kg$, other channels SAR testing is not necessary.
- Per KDB 447498 D04 v01, head/body-worn use is evaluated with the device positioned at 0mm/10 mm from a head/flat phantom respectively filled with head tissue-equivalent medium.
- Per KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device with antennas 2.5 cm or closer to the edge of the device, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.
- Per KDB 447498 D04 v01, the report SAR is measured SAR value adjusted for maximum tune-up tolerance. Scaling Factor = $10^{[(\text{tune-up limit power (dBm)} - \text{Ave. power power (dBm)})/10]}$, where tune-up limit is the maximum rated power among all production units.
Reported SAR(W/kg) = Measured SAR (W/kg) * Scaling Factor.

11. SAR Measurement Variability

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

SAR repeated measurement procedure:

1. When the highest measured SAR is < 0.80 W/kg, repeated measurement is not required.
2. When the highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
3. If the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 , or when the original or repeated measurement is ≥ 1.45 W/kg, perform a second repeated measurement.
4. If the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 , and the original, first or second repeated measurement is ≥ 1.5 W/kg, perform a third repeated measurement.

Note: For 1g SAR, the highest measured 1g SAR is $0.904 > 0.80$ W/kg, repeated measurement is as below.

Mode	Position	Ch.	Freq. (MHz)	1g Meas SAR (W/kg)	the ratio of largest to smallest SAR for the original and first repeated measurements
LTE Band 7	Right Cheek	21350	2560.0	0.853	1.004
	Right Cheek (repeat)	21350	2560.0	0.850	
LTE Band 7	Back	21350	2560.0	0.904	1.006
	Back-repeat	21350	2560.0	0.899	

12. Simultaneous Transmission

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

12.1 Simultaneous Transmission Mode Considerations

Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna. The device has 2 Tx antennas, WWAN main antenna, Wifi/BT antenna supports 2.4G&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	Test Position	Channel Type	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 7	Left Cheek	1RB	0.917	0.384	0.608	0.004	1.301	1.525	0.921	N/A	N/A
	Left Tilt		0.492	0.192	0.312	0.002	0.684	0.804	0.494	N/A	N/A
	Right Cheek		0.929	0.394	0.617	0.006	1.323	1.546	0.935	N/A	N/A
	Right Tilt		0.506	0.204	0.320	0.003	0.710	0.826	0.509	N/A	N/A
	Left Cheek	50%RB	0.762	0.384	0.608	0.004	1.146	1.370	0.766	N/A	N/A
	Left Tilt		0.417	0.192	0.312	0.002	0.609	0.729	0.419	N/A	N/A
	Right Cheek		0.772	0.394	0.617	0.006	1.166	1.389	0.778	N/A	N/A
	Right Tilt		0.423	0.204	0.320	0.003	0.627	0.743	0.426	N/A	N/A

Hotspot(body-worn)

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 7	1RB	Front	0.855	0.130	0.407	0.002	0.985	1.262	0.857	N/A	N/A
		Back	0.984	0.151	0.456	0.003	1.135	1.440	0.987	N/A	N/A
		Right	/	0.082	0.285	0.001	0.082	0.285	0.001	N/A	N/A
		Top	/	0.117	0.342	0.001	0.117	0.342	0.001	N/A	N/A
		Bottom	0.558	/	/	/	0.558	0.558	0.558	N/A	N/A
	50%RB	Front	0.735	0.130	0.407	0.002	0.865	1.142	0.737	N/A	N/A
		Back	0.846	0.151	0.456	0.003	0.997	1.302	0.849	N/A	N/A
		Right	/	0.082	0.285	0.001	0.082	0.285	0.001	N/A	N/A
		Top	/	0.117	0.342	0.001	0.117	0.342	0.001	N/A	N/A
		Bottom	0.482	/	/	/	0.482	0.482	0.482	N/A	N/A

13. Test Equipment List

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
E-Field Probe	MVG	SSE2	0125-EPGO-445	2025/01/02	2026/01/01
6 1/2 Digital Multimeter	Keithley	DMM6500	4527164	2025/10/20	2026/10/19
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	161997	2025/10/17	2026/10/16
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2025/10/17	2026/10/16
E-Series Avg. Power Sensor	KEYSIGHT	E9300A	MY55050017	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	2025/10/17	2026/10/16
Low Noise Amplifier	Tongyue	N/A	N/A	2025/07/30	2026/07/29
Coupler	MERRIMAC	CWM-10R-10.8G	LOT-83391	N/A	N/A
750MHz Validation Dipole	MVG	SID750	07/22 DIP 0G750-655	2025/05/26	2028/05/25
835MHz Validation Dipole	MVG	SID835	07/22 DIP 0G835-656	2025/05/26	2028/05/25
1800MHz Validation Dipole	MVG	SID1800	07/22 DIP 1G800-657	2025/05/26	2028/05/25
1900MHz Validation Dipole	MVG	SID1900	07/22 DIP 1G900-658	2025/05/26	2028/05/25
2300MHz Validation Dipole	MVG	SID2300	07/22 DIP 2G300-661	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	2025/10/17	2026/10/16
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	2025/10/21	2026/10/20
Open SAR test software	MVG	N/A	V5.3.5	N/A	N/A
Note: For dipole antennas, BTF has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria: 1. There is no physical damage on the dipole; 2. System validation with specific dipole is within 10% of calibrated value; 3. Return-loss in within 20% of calibrated measurement. 4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.					

ANNEX A Simulating Liquid Verification Result

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

Dielectric performance of tissue simulating liquid									
Frequency (MHz)	ϵ_r		σ (s/m)		Delta (ϵ_r)	Delta (σ)	Limit	Temp (°C)	Date
	Target	Measured	Target	Measured					
750	41.90	42.12	0.89	0.91	0.53%	2.25%	±5%	21.5	10/12/2025
835	41.50	41.66	0.90	0.93	0.39%	3.33%	±5%	20.8	11/12/2025
1800	40.00	40.03	1.40	1.39	0.08%	-0.71%	±5%	21.7	12/12/2025
1900	40.00	39.94	1.40	1.43	-0.15%	2.14%	±5%	20.9	13/12/2025
2300	39.5	39.03	1.67	1.68	-1.19%	0.60%	±5%	21.6	14/12/2025
2450	39.20	38.69	1.80	1.77	-1.30%	-1.67%	±5%	21.9	15/12/2025
2600	39.00	38.40	1.96	1.90	-1.54%	-3.06%	±5%	20.5	16/12/2025
5200	36.00	36.16	4.66	4.56	0.44%	-2.15%	±5%	21.9	19/12/2025
5400	35.80	35.95	4.86	4.91	0.42%	1.03%	±5%	22.2	20/12/2025
5600	35.50	35.36	5.07	5.15	-0.39%	1.58%	±5%	22.0	21/12/2025
5800	35.30	35.12	5.27	5.33	-0.51%	1.14%	±5%	21.6	22/12/2025

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	0.572	0.862	5.72	8.62	5.55	8.41	3.06%	2.50%
835	100	0.612	0.919	6.12	9.19	6.12	9.46	0.00%	-2.85%
1800	100	2.071	3.712	20.71	37.12	19.83	37.93	4.44%	-2.14%
1900	100	1.996	3.627	19.96	36.27	20.82	40.29	-4.13%	-9.98%
2300	100	2.398	4.791	23.98	47.91	23.70	49.94	1.18%	-4.06%
2450	100	2.454	5.138	24.54	51.38	24.55	52.72	-0.04%	-2.54%
2600	100	2.566	5.299	25.66	52.99	24.43	53.76	5.03%	-1.43%
5200	100	2.122	7.290	21.22	72.90	22.78	78.16	-6.85%	-6.73%
5400	100	2.444	8.301	24.44	83.01	22.55	78.64	8.38%	5.56%
5600	100	2.286	7.782	22.86	77.82	23.95	82.72	-4.55%	-5.92%
5800	100	2.356	7.849	23.56	78.49	22.71	78.32	3.74%	0.22%

System Performance Check Data (750 MHz)

System check at 750 MHz

Date of measurement: 10/12/2025

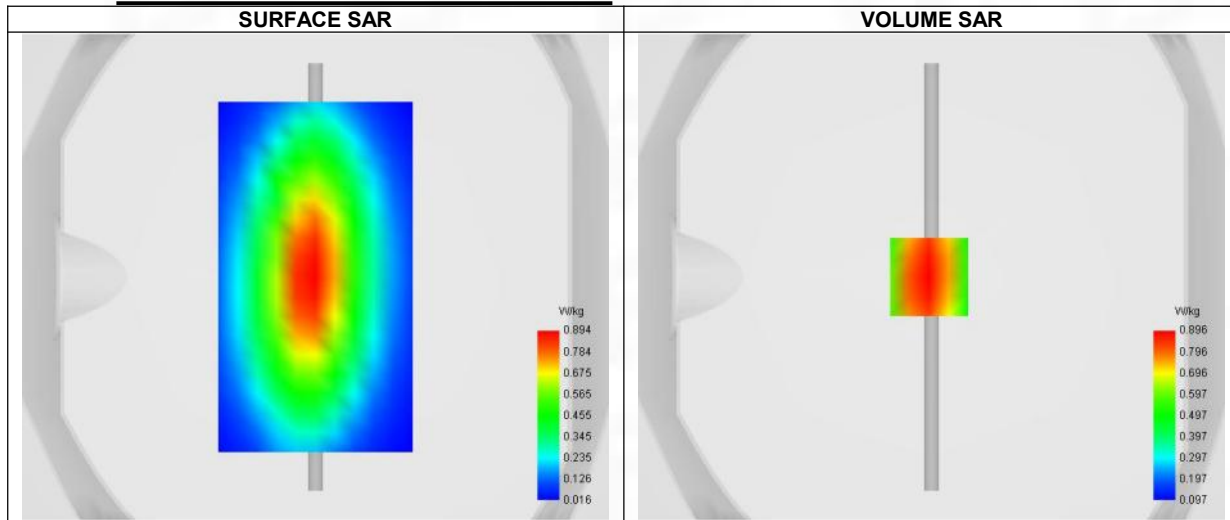
A. Experimental conditions.

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	Dipole
Band	CW750
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	750.000
Relative permittivity (real part)	42.121
Relative permittivity (imaginary part)	21.354
Conductivity (S/m)	0.913

C. SAR Surface and Volume



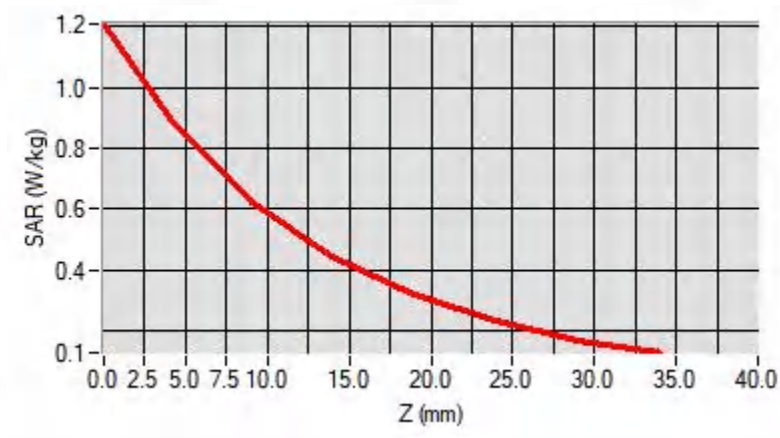
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.21 W/kg

D. SAR 1g & 10g

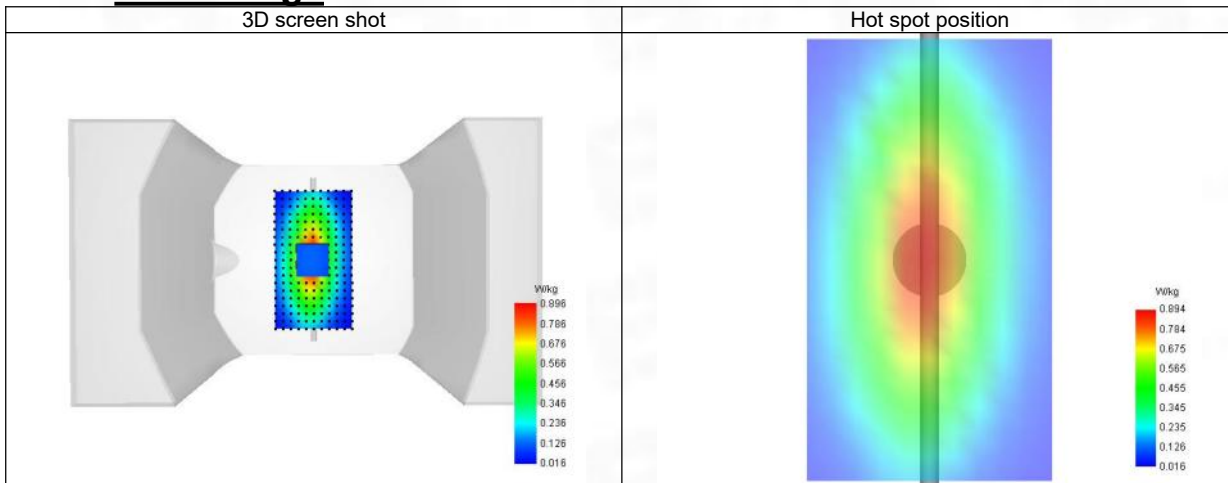
SAR 10g (W/Kg)	0.572
SAR 1g (W/Kg)	0.862
Variation (%)	-1.460
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.494869

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.208	0.896	0.623	0.441	0.318	0.232	0.170



F. 3D Image



System Performance Check Data (835 MHz)

System check at 835 MHz

Date of measurement: 11/12/2025

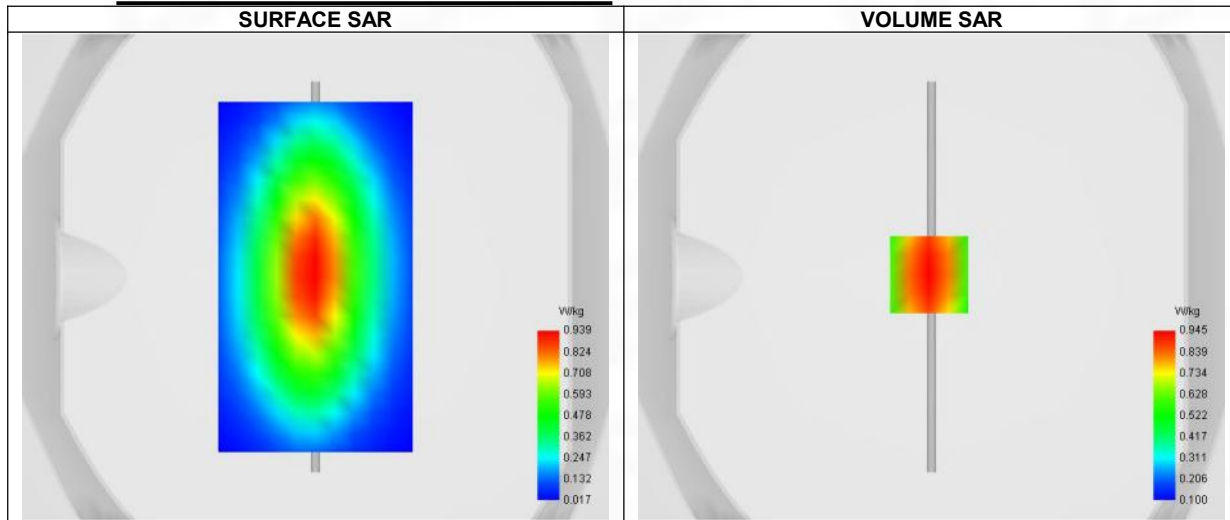
A. Experimental conditions.

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)	41.663
Relative permittivity (imaginary part)	19.437
Conductivity (S/m)	0.932

C. SAR Surface and Volume



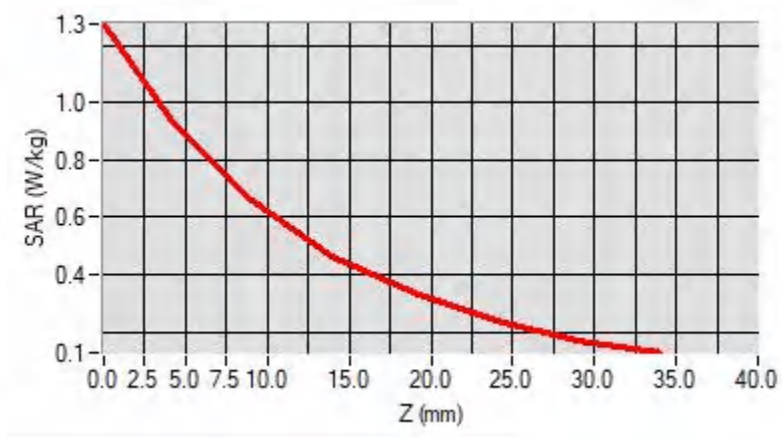
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 1.27 W/kg

D. SAR 1g & 10g

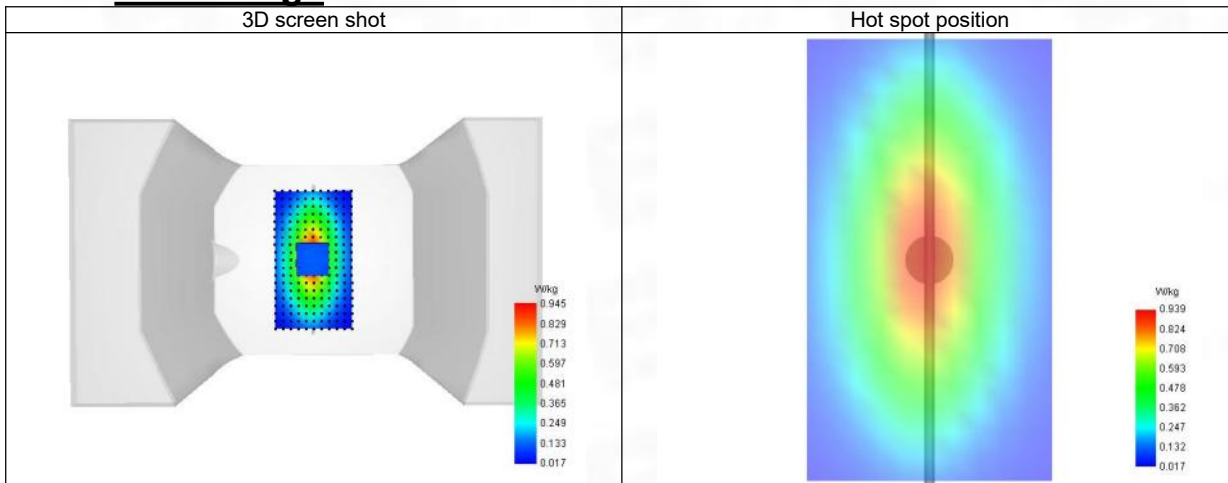
SAR 10g (W/Kg)	0.612
SAR 1g (W/Kg)	0.919
Variation (%)	-0.460
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.672386

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.274	0.945	0.658	0.466	0.336	0.243	0.173



F. 3D Image



System Performance Check Data (1800 MHz)

System check at 1800 MHz

Date of measurement: 12/12/2025

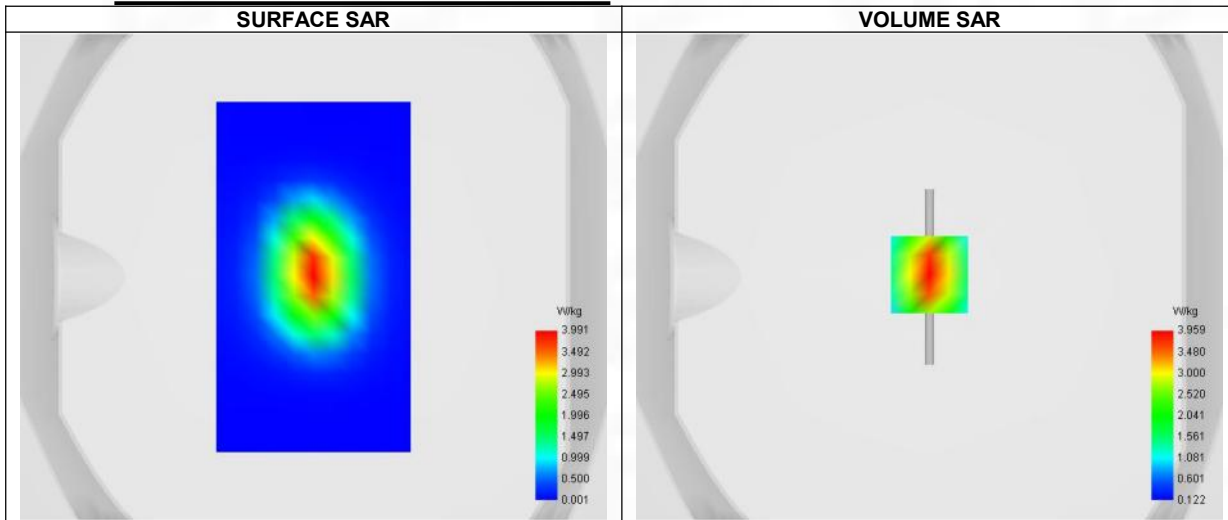
A. Experimental conditions.

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)	40.031
Relative permittivity (imaginary part)	14.653
Conductivity (S/m)	1.391

C. SAR Surface and Volume



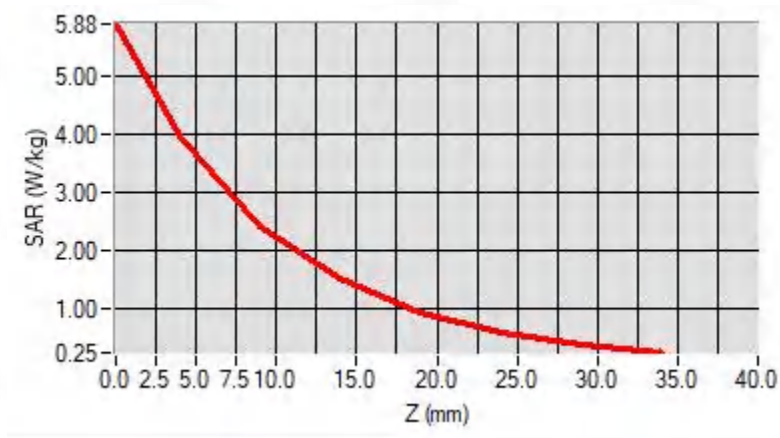
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 5.86 W/kg

D. SAR 1g & 10g

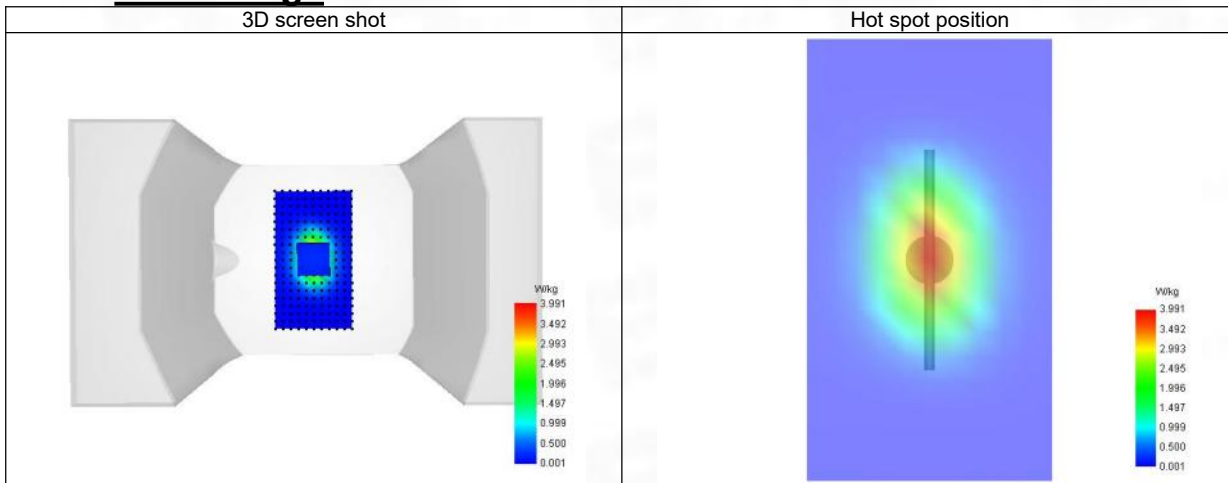
SAR 10g (W/Kg)	2.071
SAR 1g (W/Kg)	3.712
Variation (%)	-2.060
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.601836

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.882	3.959	2.400	1.504	0.945	0.601	0.380



F. 3D Image



System Performance Check Data (1900 MHz)

System check at 1900 MHz

Date of measurement: 13/12/2025

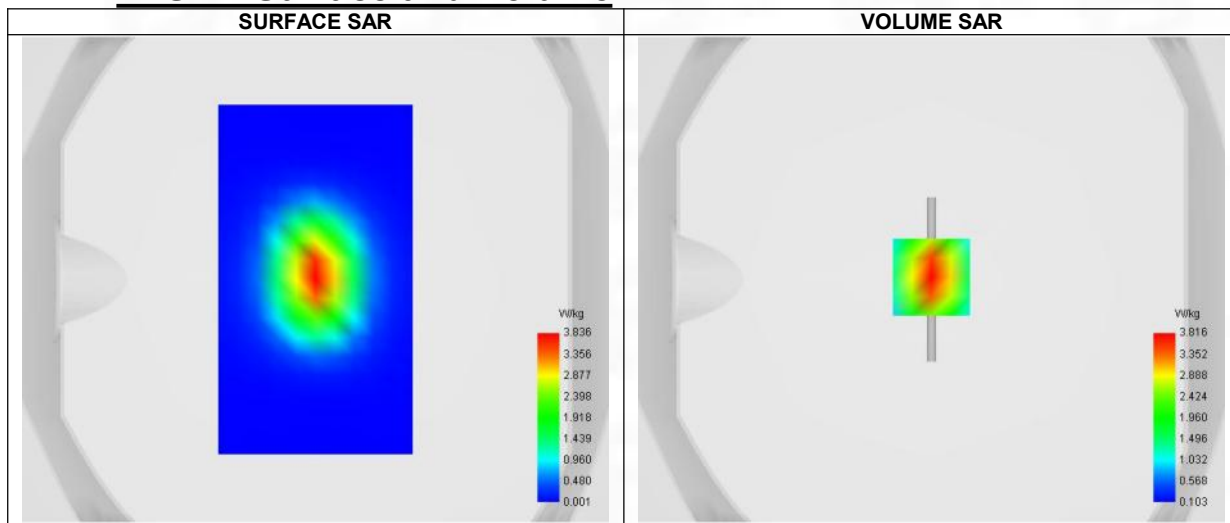
A. Experimental conditions.

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)	39.943
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.431

C. SAR Surface and Volume



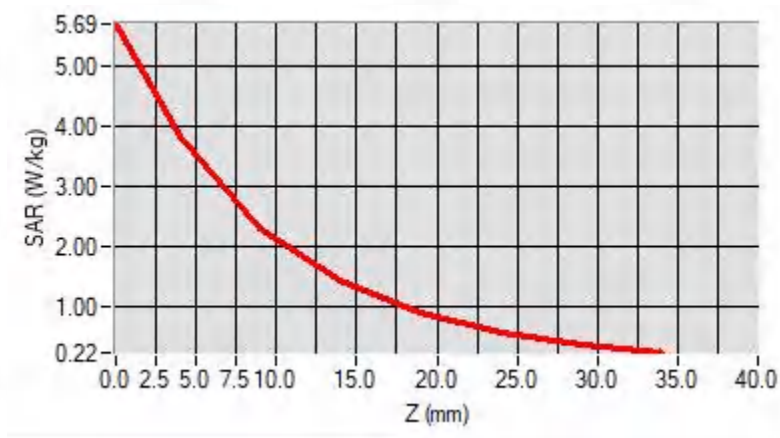
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 5.65 W/kg

D. SAR 1g & 10g

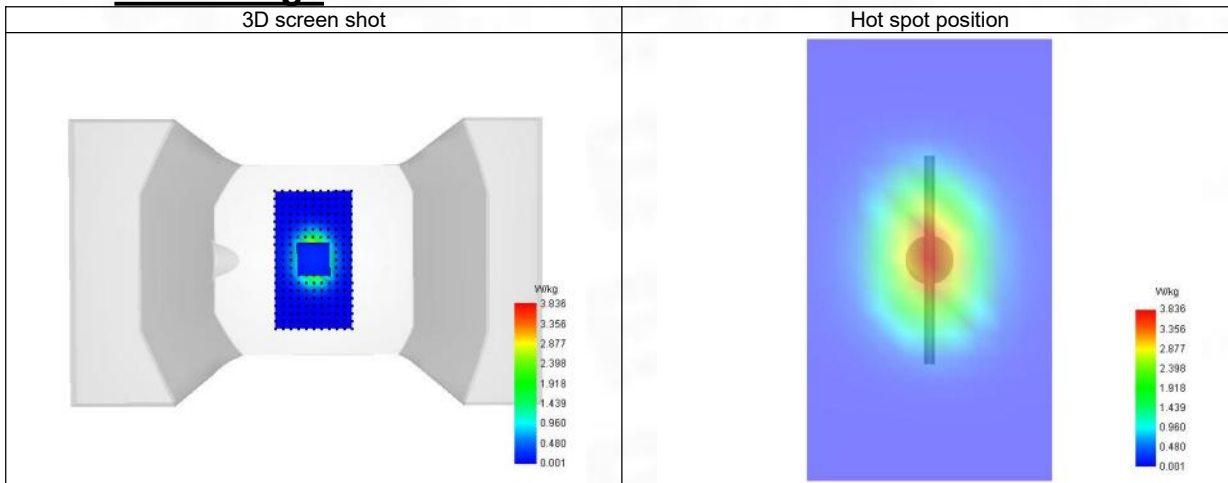
SAR 10g (W/Kg)	1.996
SAR 1g (W/Kg)	3.627
Variation (%)	-3.160
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.338842

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.685	3.816	2.302	1.427	0.897	0.562	0.353



F. 3D Image



System Performance Check Data (2300 MHz)

System check at 2300 MHz

Date of measurement: 14/12/2025

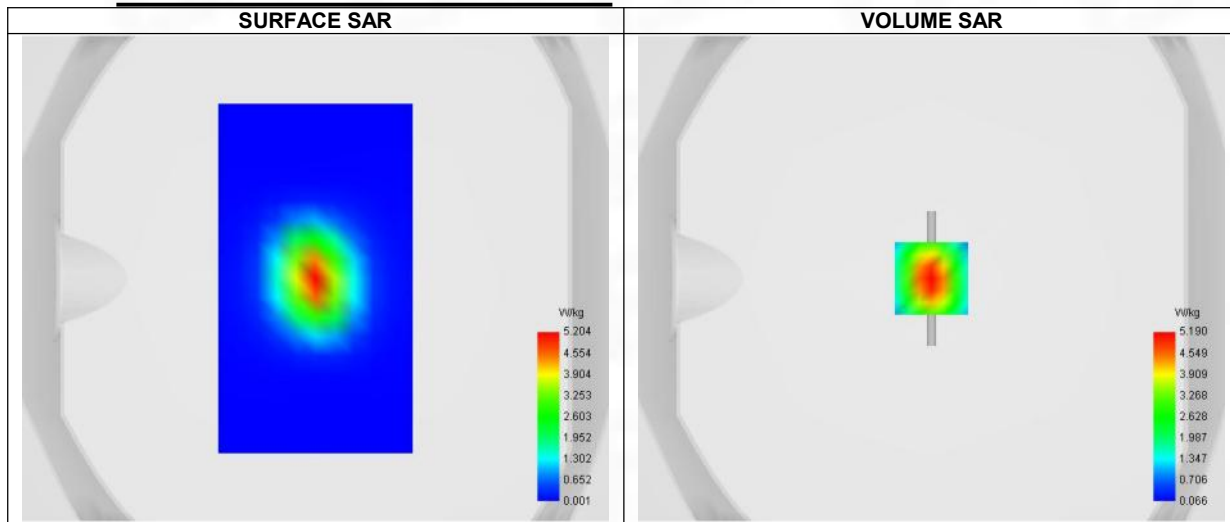
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.38
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2300
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2300.000
Relative permittivity (real part)	39.172
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.682

C. SAR Surface and Volume



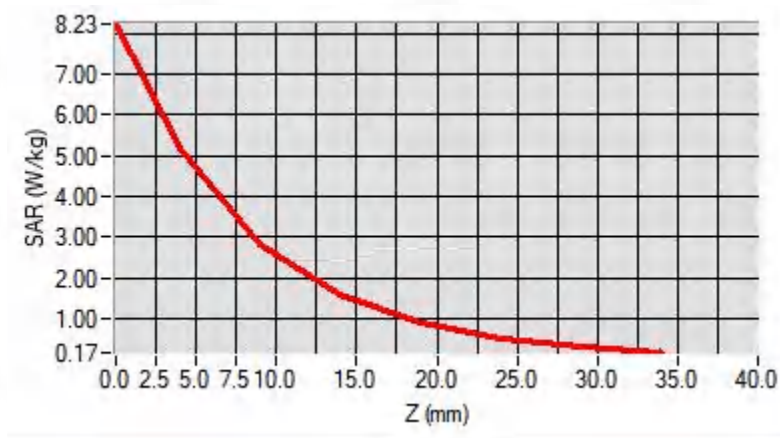
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 8.15 W/kg

D. SAR 1g & 10g

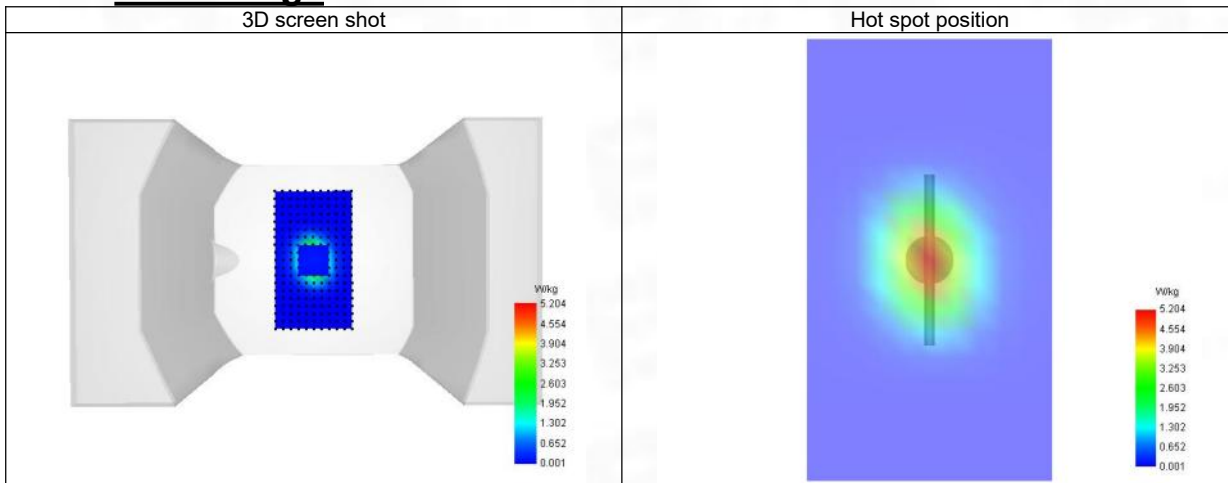
SAR 10g (W/Kg)	2.398
SAR 1g (W/Kg)	4.791
Variation (%)	-0.960
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	54.695851

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	8.228	5.190	2.839	1.586	0.904	0.514	0.297



F. 3D Image



System Performance Check Data (2450 MHz)

System check at 2450 MHz

Date of measurement: 15/12/2025

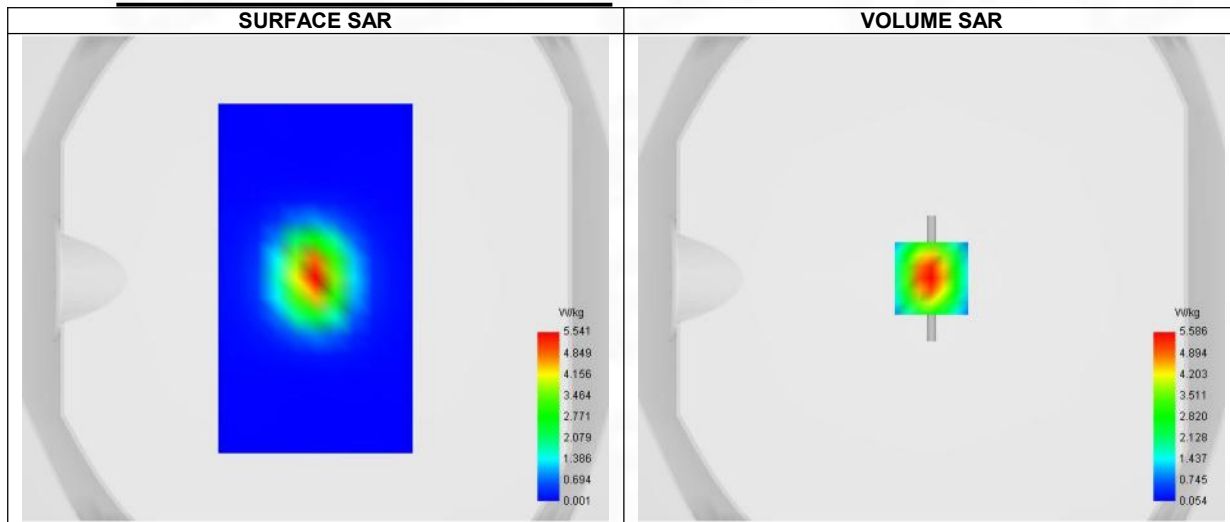
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.40
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x7, dx=5mm dy=5mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2450
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2450.000
Relative permittivity (real part)	38.691
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.773

C. SAR Surface and Volume



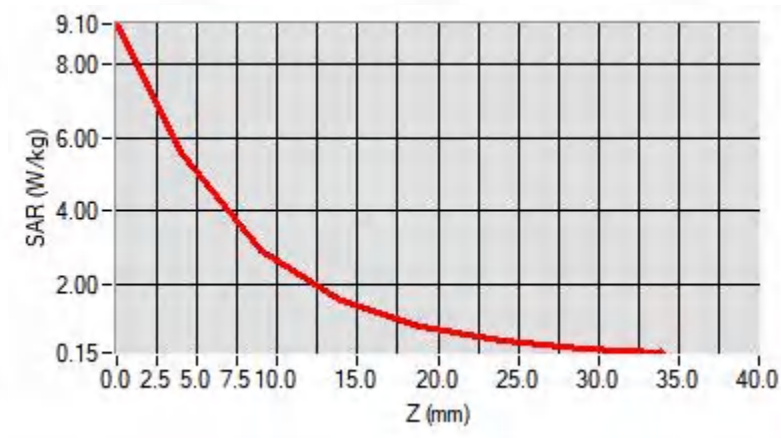
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 9.03 W/kg

D. SAR 1g & 10g

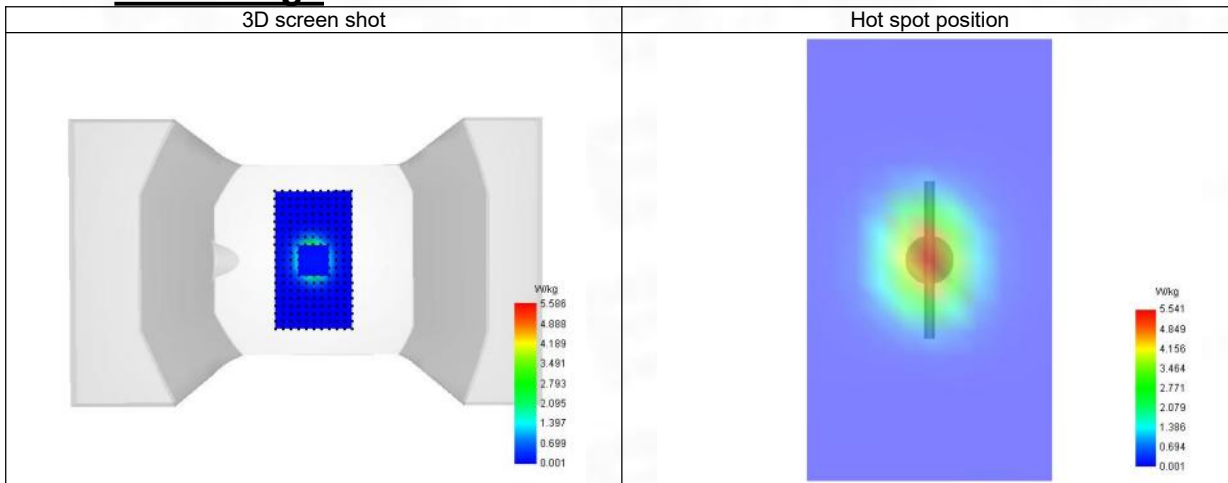
SAR 10g (W/Kg)	2.454
SAR 1g (W/Kg)	5.138
Variation (%)	1.760
Horizontal validation criteria: minimum distance (mm)	11.180340
Vertical validation criteria: SAR ratio M2/M1 (%)	52.417309

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.097	5.586	2.928	1.593	0.869	0.472	0.262



F. 3D Image



System Performance Check Data (2600 MHz)

System check at 2600 MHz

Date of measurement: 16/12/2025

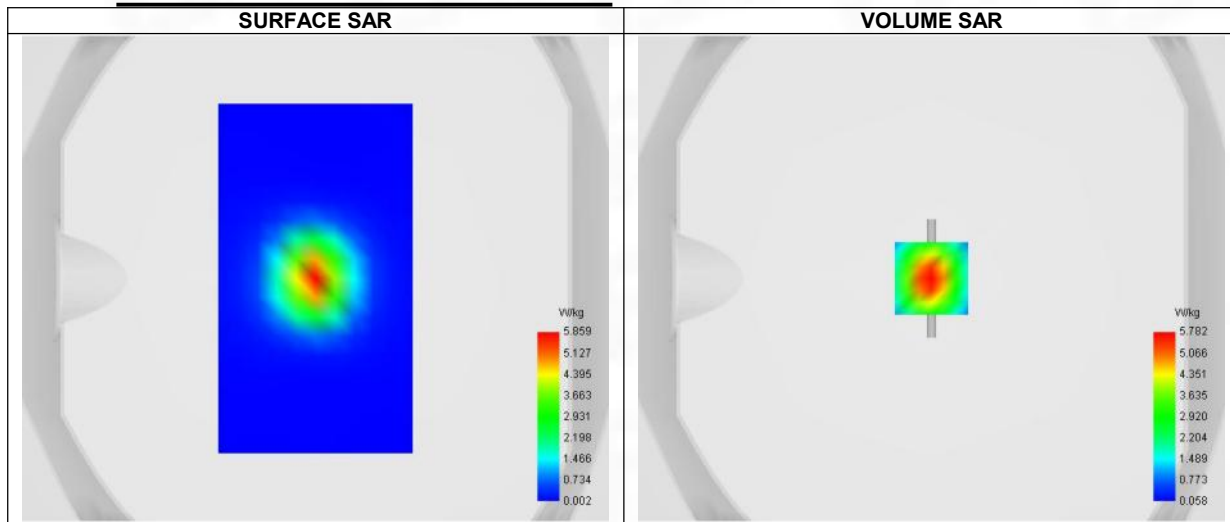
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	7x7x7,dx=5mm dy=5mm dz=5.0mm,Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2600.000
Relative permittivity (real part)	38.402
Relative permittivity (imaginary part)	12.349
Conductivity (S/m)	1.902

C. SAR Surface and Volume



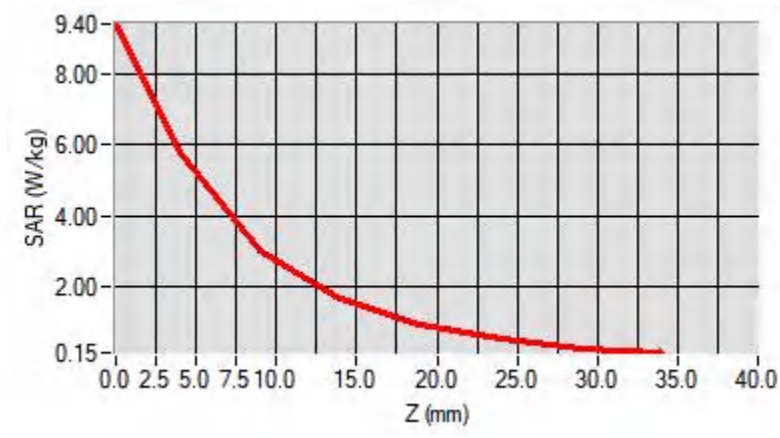
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 9.30 W/kg

D. SAR 1g & 10g

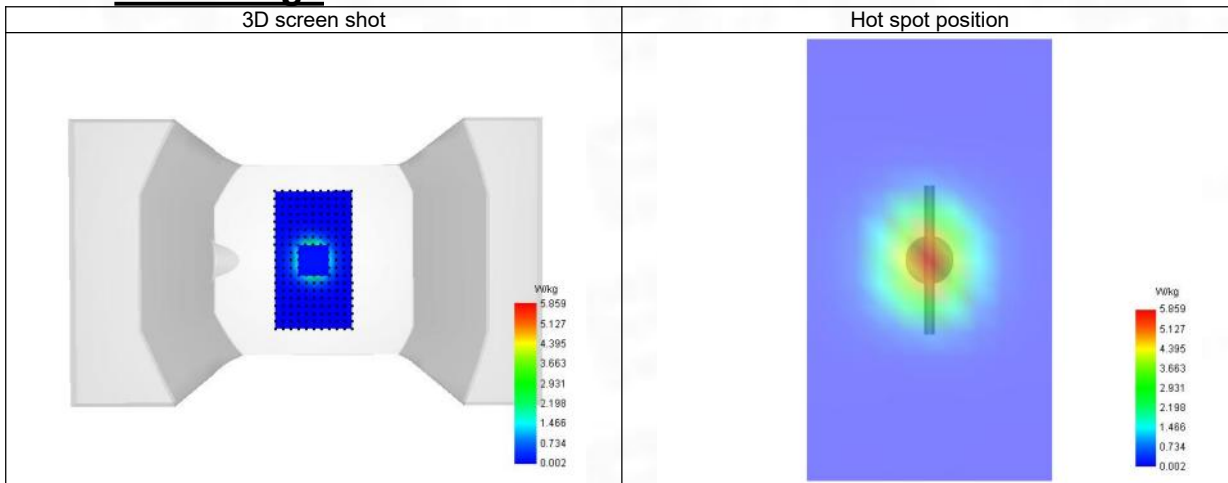
SAR 10g (W/Kg)	2.566
SAR 1g (W/Kg)	5.299
Variation (%)	0.960
Horizontal validation criteria: minimum distance (mm)	14.142136
Vertical validation criteria: SAR ratio M2/M1 (%)	52.767089

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.398	5.782	3.051	1.677	0.916	0.536	0.279



F. 3D Image



System Performance Check Data (5200 MHz)

System check at 5200 MHz

Date of measurement: 19/12/2025

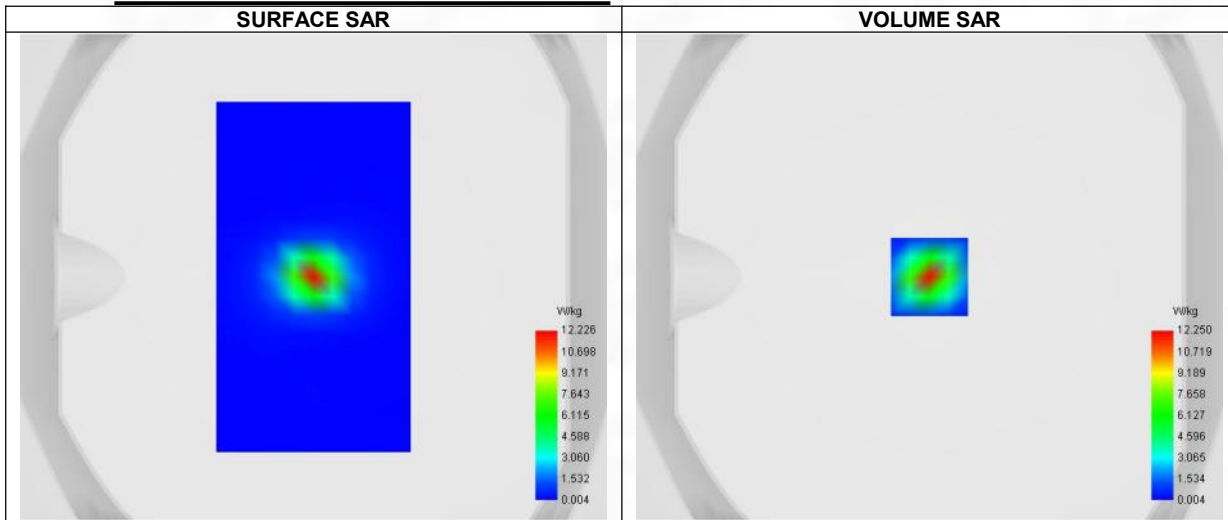
A. Experimental conditions.

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)	35.163
Relative permittivity (imaginary part)	16.485
Conductivity (S/m)	4.564

C. SAR Surface and Volume



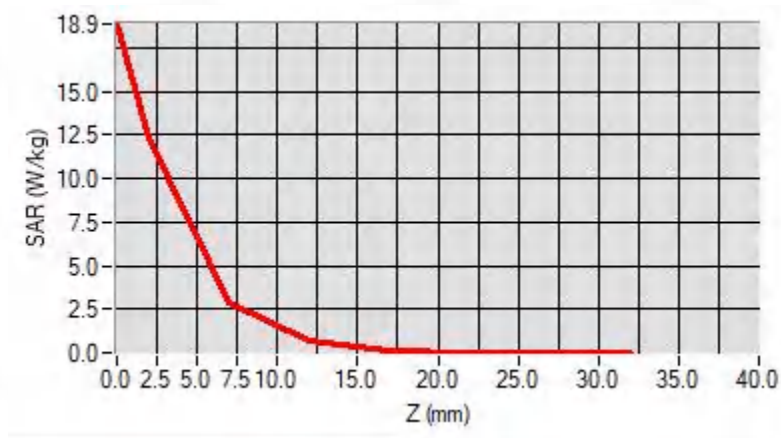
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 19.69 W/kg

D. SAR 1g & 10g

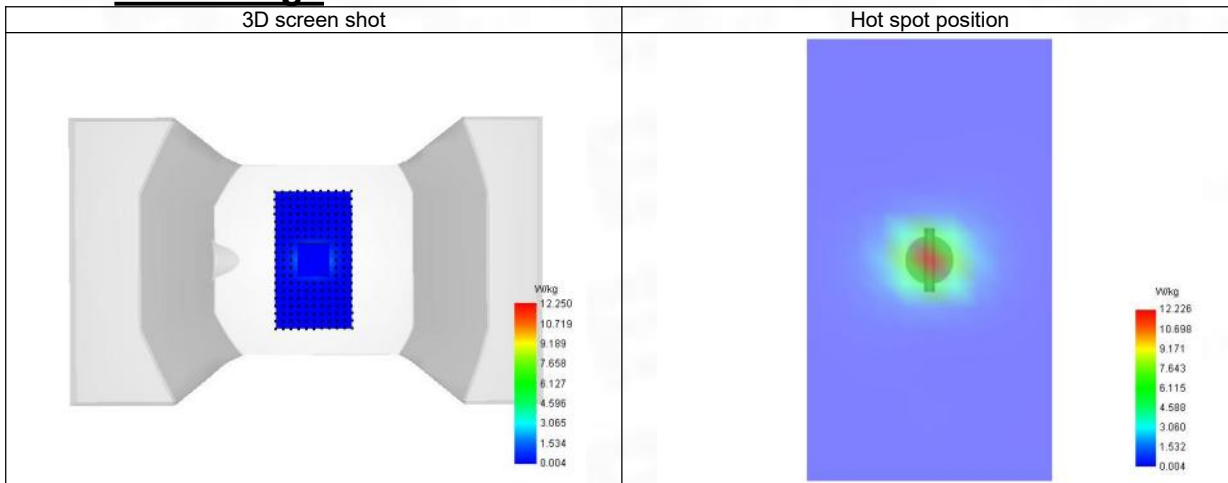
SAR 10g (W/Kg)	2.122
SAR 1g (W/Kg)	7.290
Variation (%)	-1.380
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.853061

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)	18.858	12.250	7.577	2.674	1.371	0.875	0.585	0.357	0.188	0.102	0.060	0.024



F. 3D Image



System Performance Check Data (5400 MHz)

System check at 5400 MHz

Date of measurement: 20/12/2025

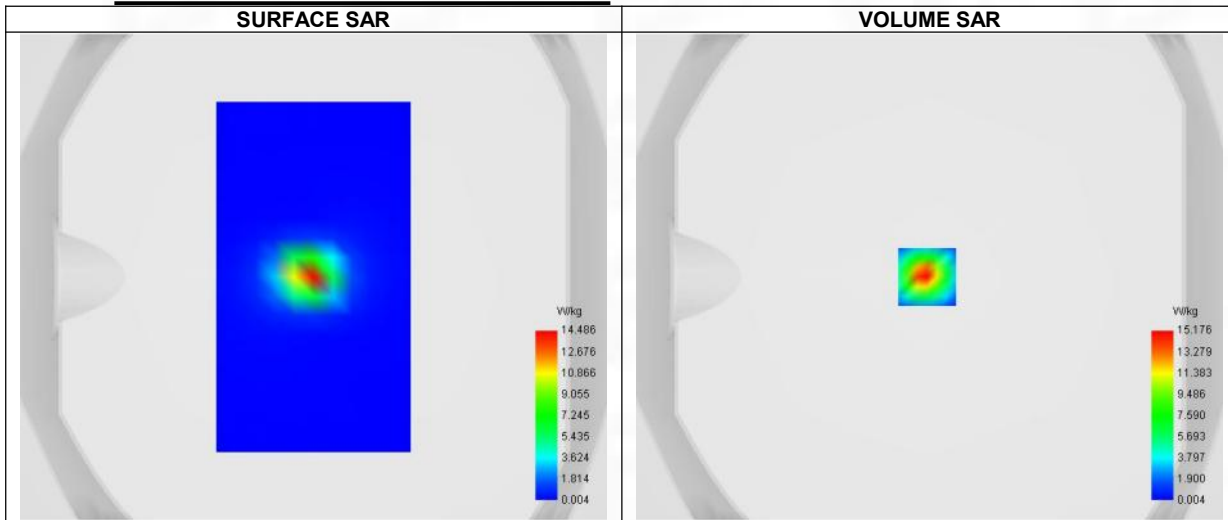
A. Experimental conditions.

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)	35.948
Relative permittivity (imaginary part)	16.142
Conductivity (S/m)	4.906

C. SAR Surface and Volume



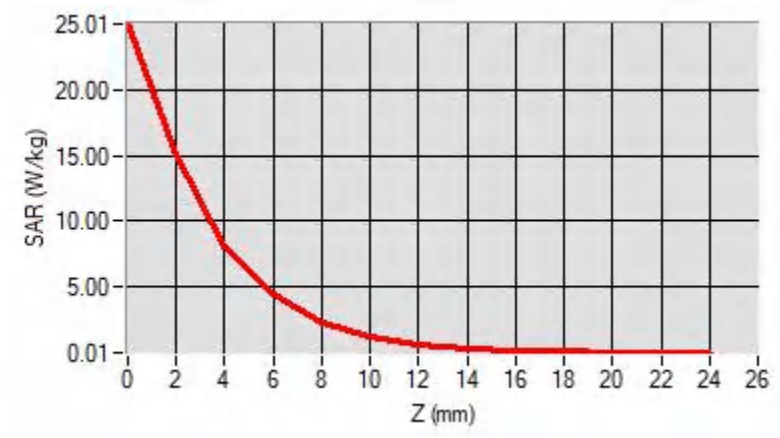
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 26.66 W/kg

D. SAR 1g & 10g

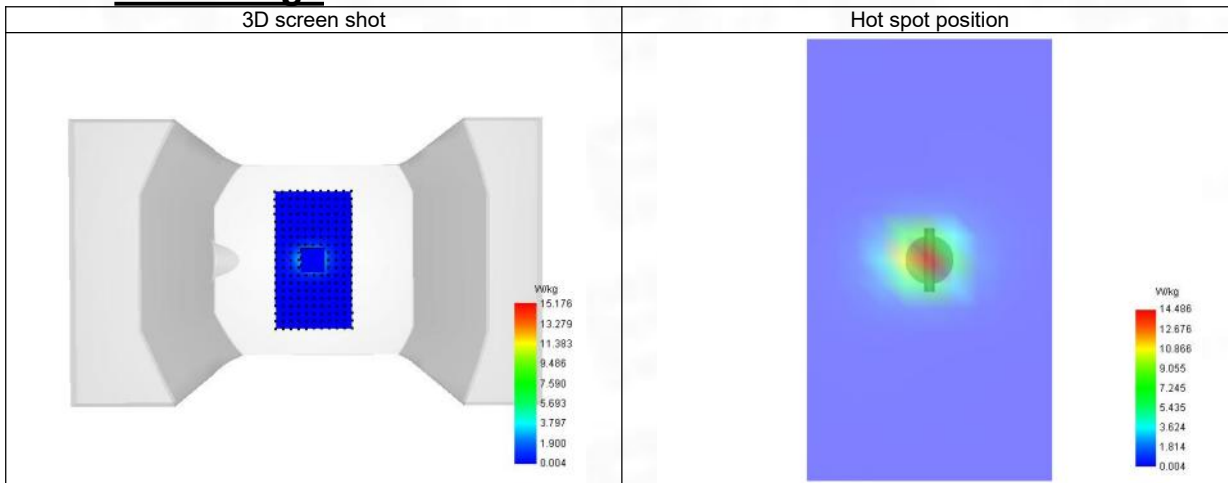
SAR 10g (W/Kg)	2.444
SAR 1g (W/Kg)	8.301
Variation (%)	-2.460
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.223003

E. Z Axis Scan

Z (mm)	0.00	2.00	4.00	6.00	8.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00
SAR (W/Kg)	25.011	15.176	8.077	4.374	2.371	1.275	0.686	0.367	0.195	0.099	0.060	0.024



F. 3D Image



System Performance Check Data (5600 MHz)

System check at 5600 MHz

Date of measurement: 21/12/2025

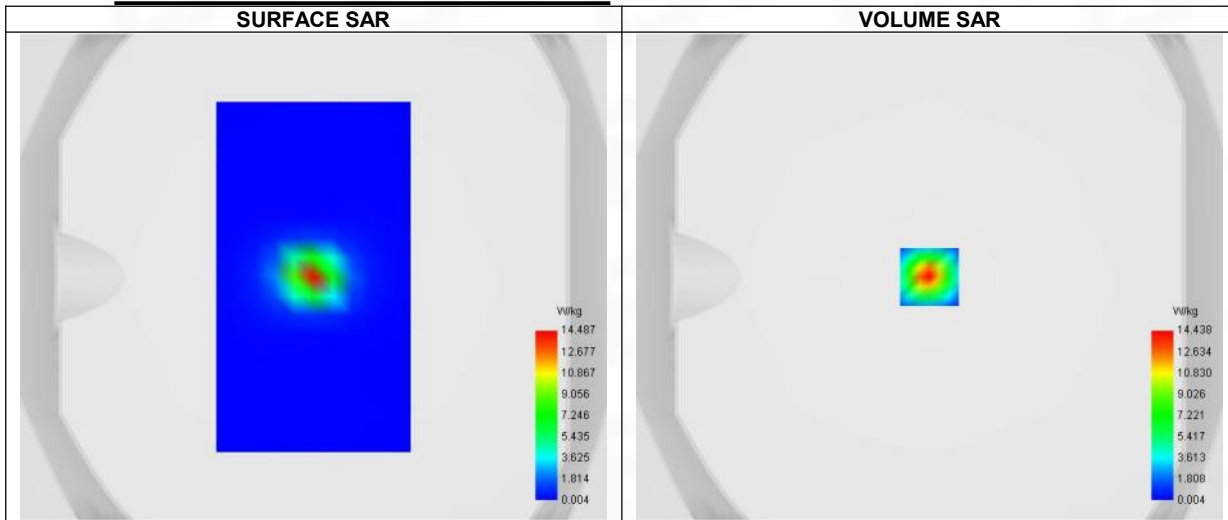
A. Experimental conditions.

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)	35.363
Relative permittivity (imaginary part)	16.354
Conductivity (S/m)	5.154

C. SAR Surface and Volume



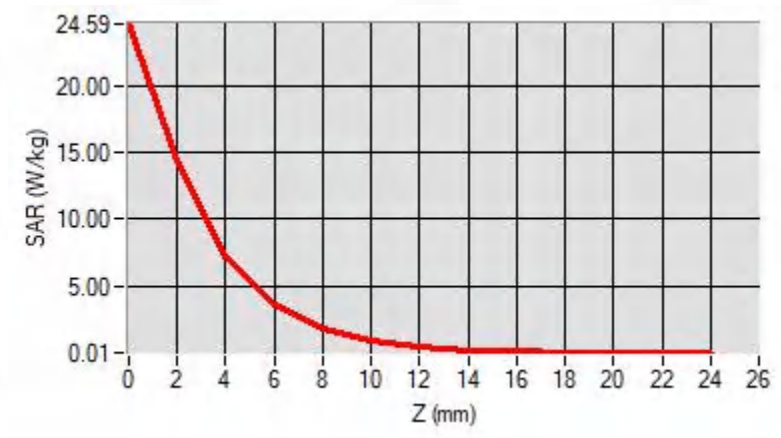
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 26.09 W/kg

D. SAR 1g & 10g

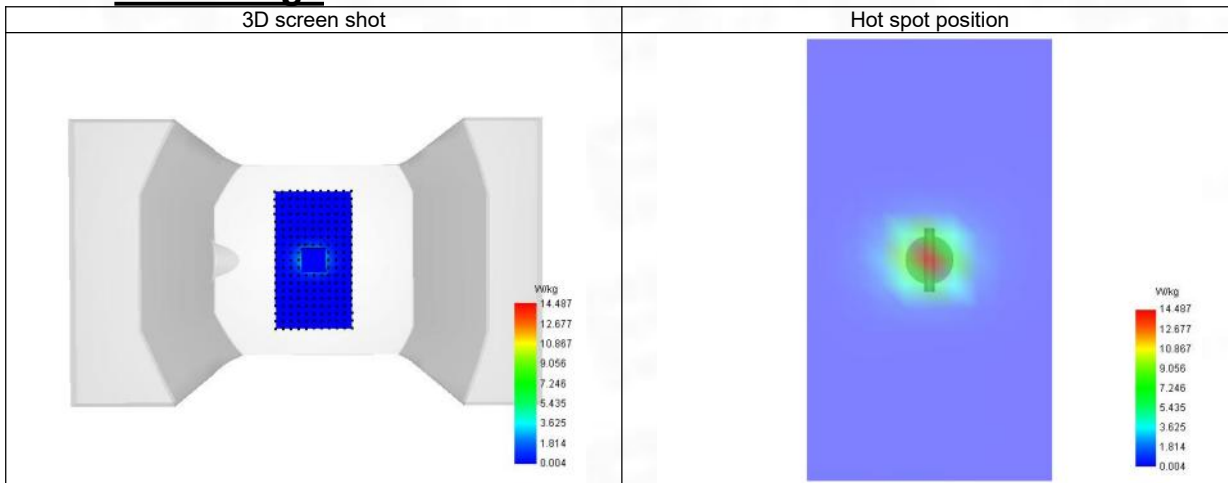
SAR 10g (W/Kg)	2.286
SAR 1g (W/Kg)	7.782
Variation (%)	-2.970
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	49.746289

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)	24.592	14.438	7.183	3.585	1.787	0.891	0.444	0.221	0.110	0.055	0.027	0.014



F. 3D Image



System Performance Check Data (5800 MHz)

System check at 5800 MHz

Date of measurement: 22/12/2025

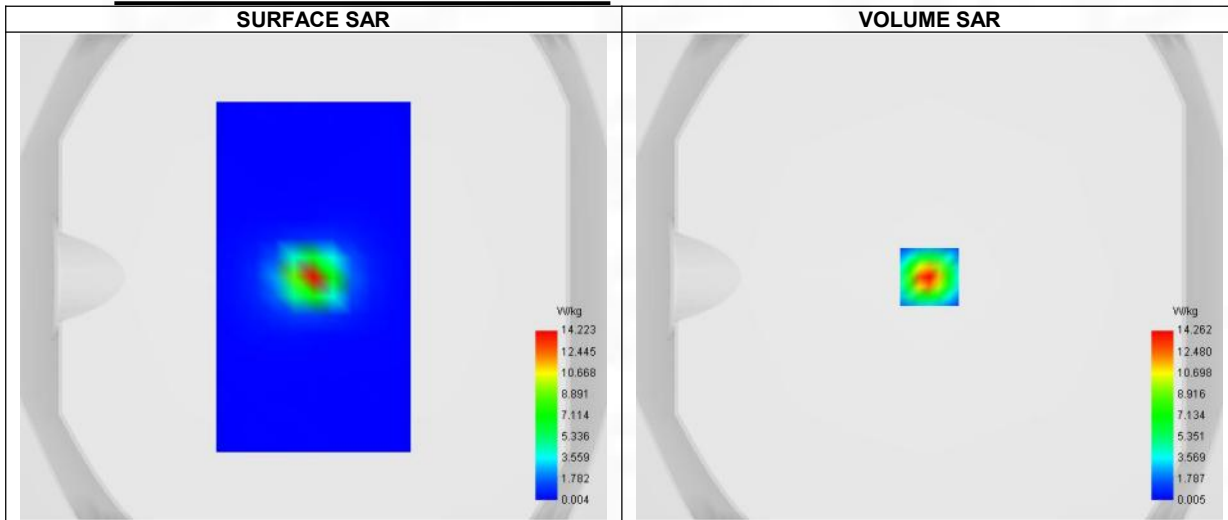
A. Experimental conditions.

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)	35.116
Relative permittivity (imaginary part)	16.571
Conductivity (S/m)	5.333

C. SAR Surface and Volume



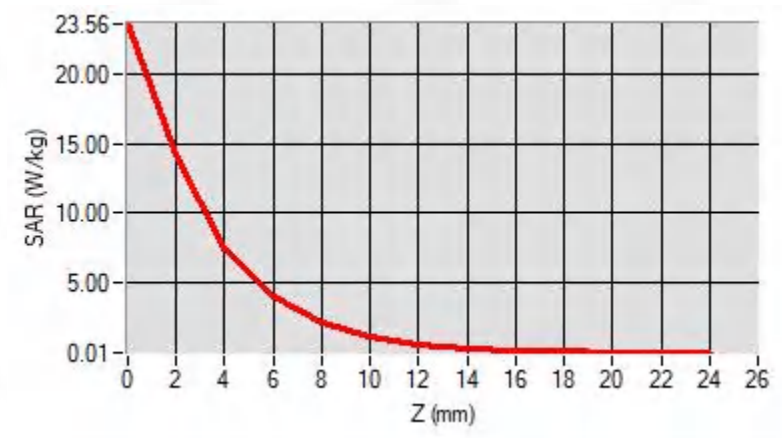
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 24.90 W/kg

D. SAR 1g & 10g

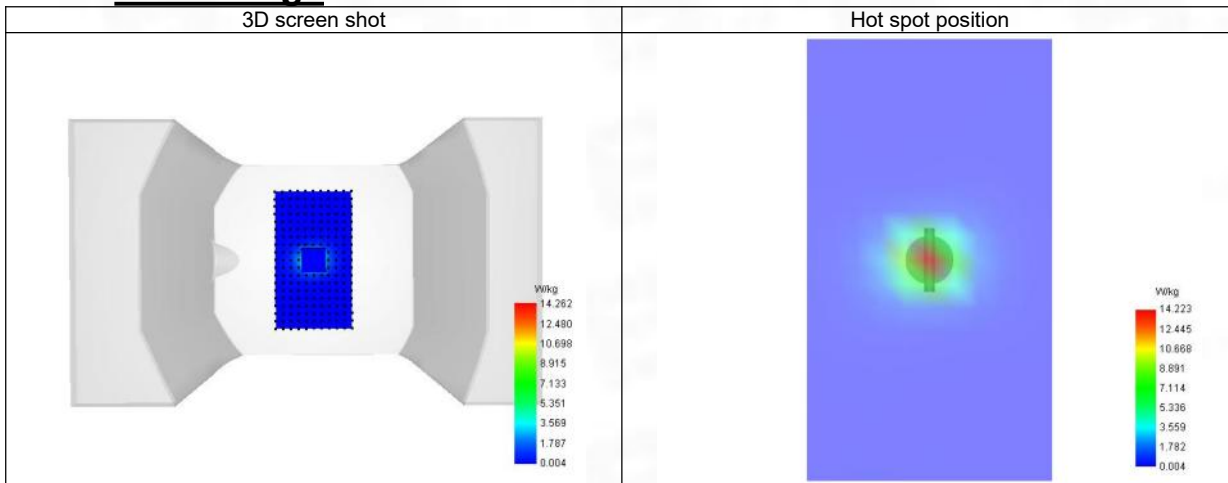
SAR 10g (W/Kg)	2.376
SAR 1g (W/Kg)	7.861
Variation (%)	-3.150
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	52.876077

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)	23.560	14.262	7.541	4.080	2.185	1.188	0.635	0.339	0.172	0.103	0.058	0.024



F. 3D Image



ANNEX C Test Data

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

SAR Measurement at GSM850 (Cheek, Right)

Date of measurement: 11/12/2025

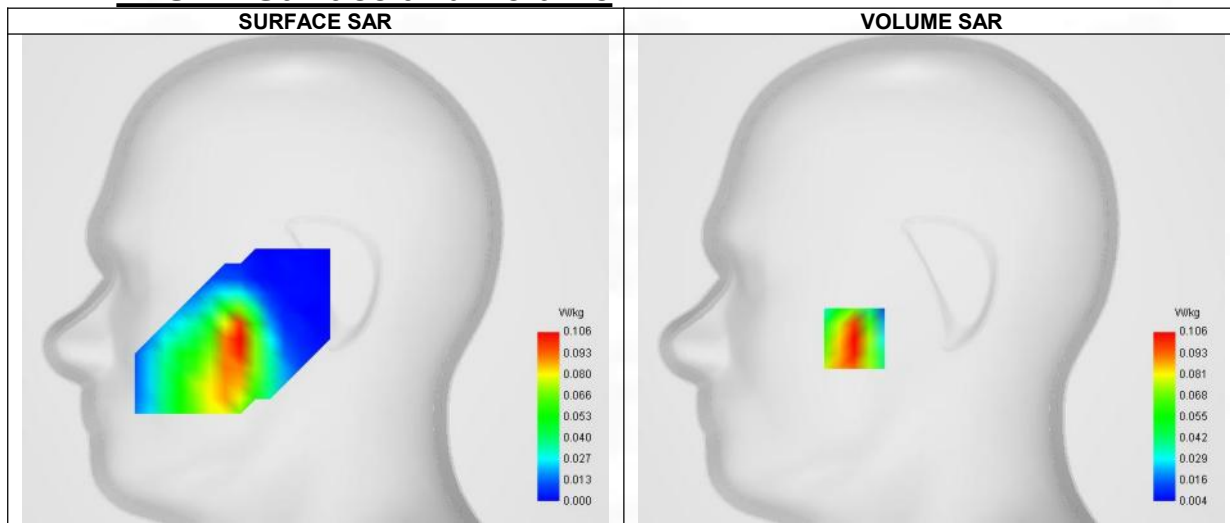
A. Experimental conditions.

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	Lower (128)/ frequency 824.200 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	824.200
Relative permittivity (real part)	41.721
Relative permittivity (imaginary part)	19.681
Conductivity (S/m)	0.930

C. SAR Surface and Volume



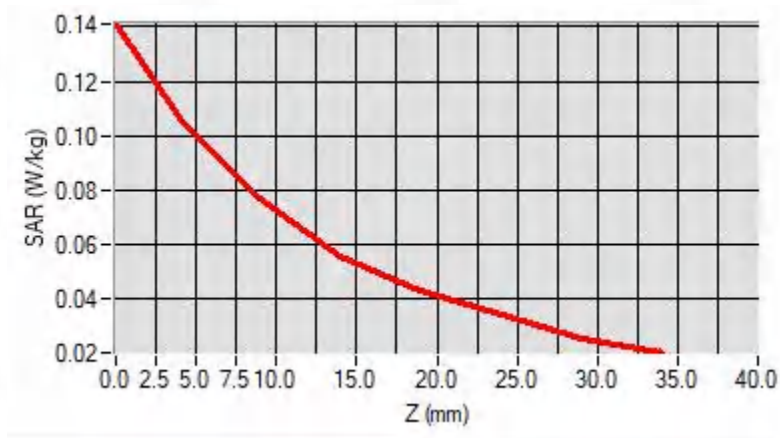
Maximum location: X=-41.00, Y=-32.00 ; SAR Peak: 0.15 W/kg

D. SAR 1g & 10g

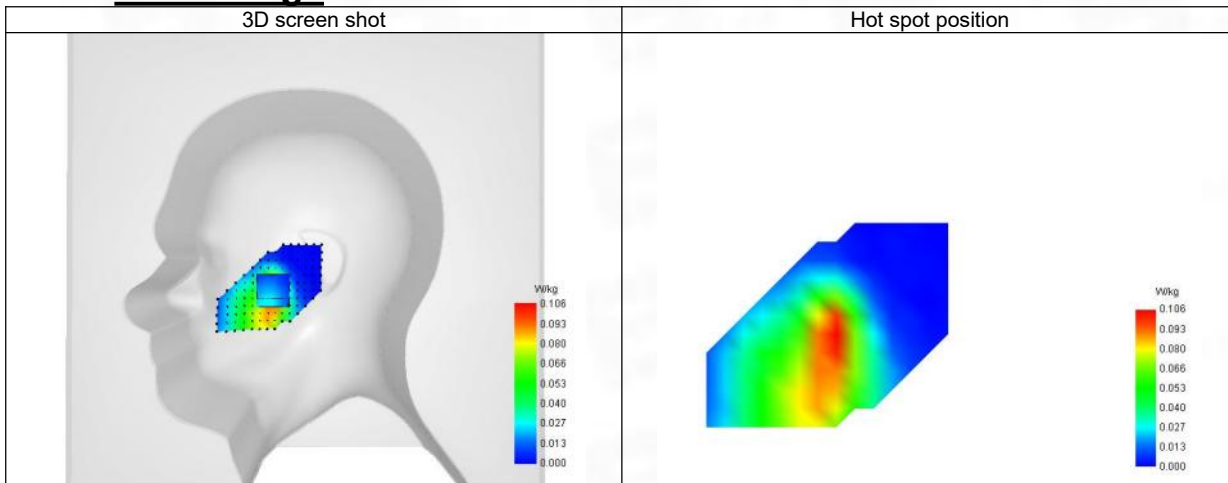
SAR 10g (W/Kg)	0.063
SAR 1g (W/Kg)	0.101
Variation (%)	1.610
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	72.319236

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	0.106	0.077	0.055	0.043	0.034	0.026



F. 3D Image



2-Body with back position in dist. 10mm on Channel 190 in GPRS850+4slots

SAR Measurement at GPRS850 (Body, Validation Plane)

Date of measurement: 11/12/2025

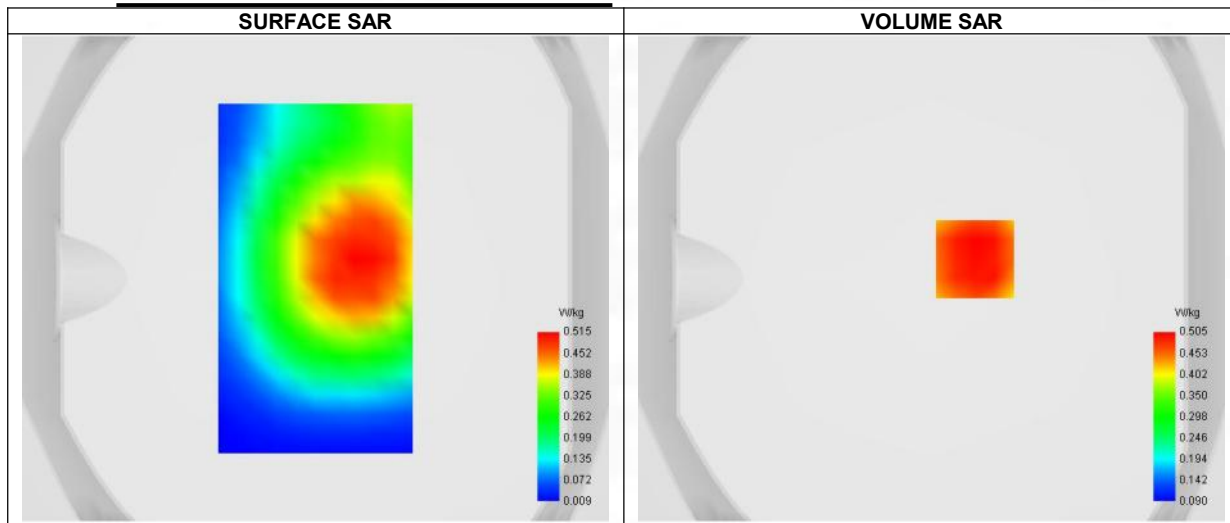
A. Experimental conditions.

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	GPRS850
Channels/Frequency	Middle (190)/ frequency 836.600 Mhz
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	836.600
Relative permittivity (real part)	41.660
Relative permittivity (imaginary part)	19.429
Conductivity (S/m)	0.933

C. SAR Surface and Volume



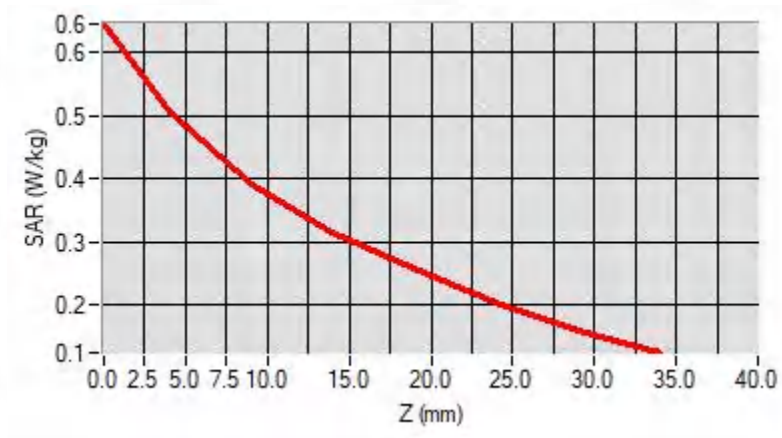
Maximum location: X=18.00, Y=8.00 ; SAR Peak: 0.64 W/kg

D. SAR 1g & 10g

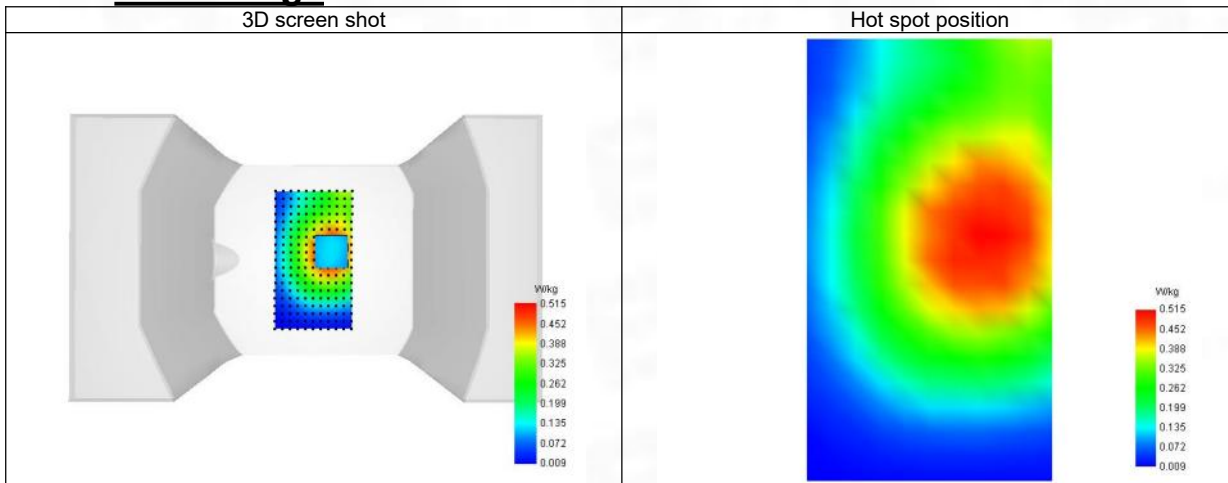
SAR 10g (W/Kg)	0.371
SAR 1g (W/Kg)	0.492
Variation (%)	-2.770
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	80.299712

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.644	0.505	0.390	0.315	0.257	0.204	0.161



F. 3D Image



3-Head with front position in dist. 0mm on Channel 810 in GSM1900 voice

SAR Measurement at GSM1900 (Cheek, Right)

Date of measurement: 13/12/2025

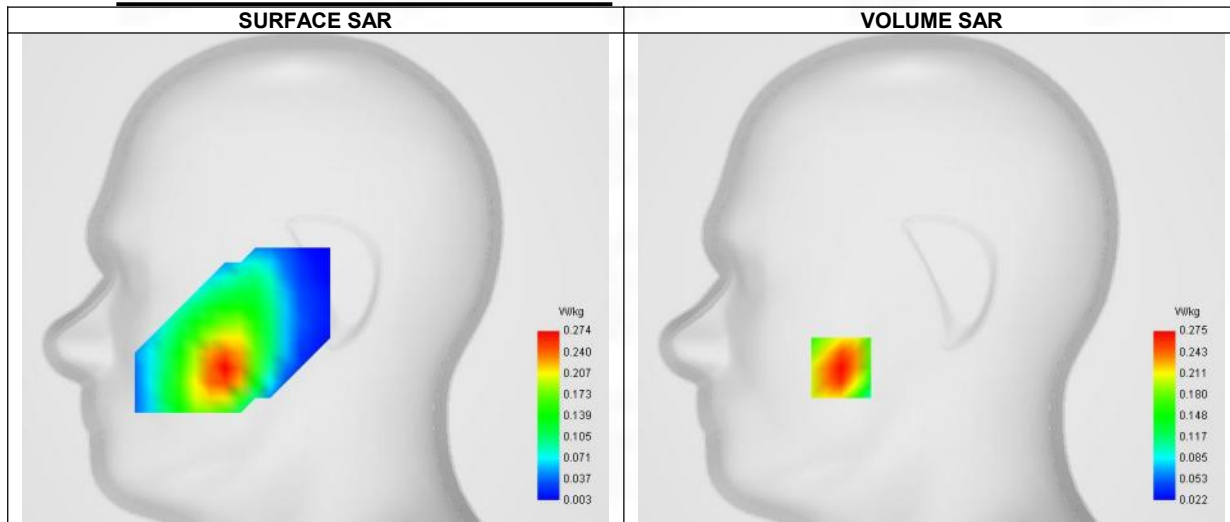
A. Experimental conditions.

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	Higher (810)/ frequency 1909.800 Mhz
Signal	TDMA (GSM)
Modulation	GMSK

B. Permittivity

Middle TX Frequency (MHz)	1909.800
Relative permittivity (real part)	39.921
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.437

C. SAR Surface and Volume



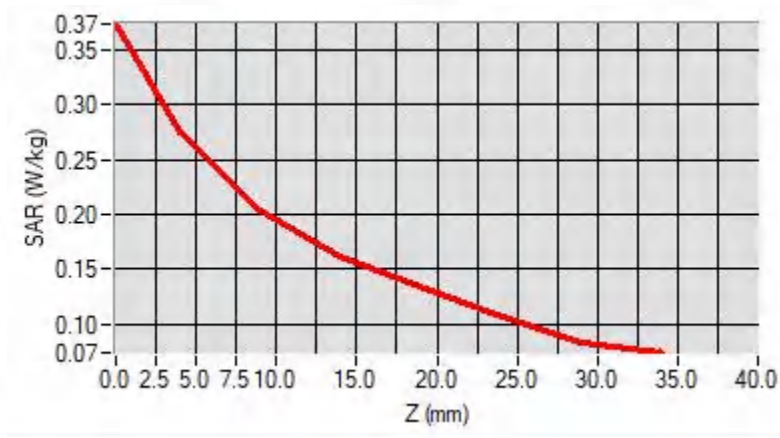
Maximum location: X=-48.00, Y=-48.00 ; SAR Peak: 0.38 W/kg

D. SAR 1g & 10g

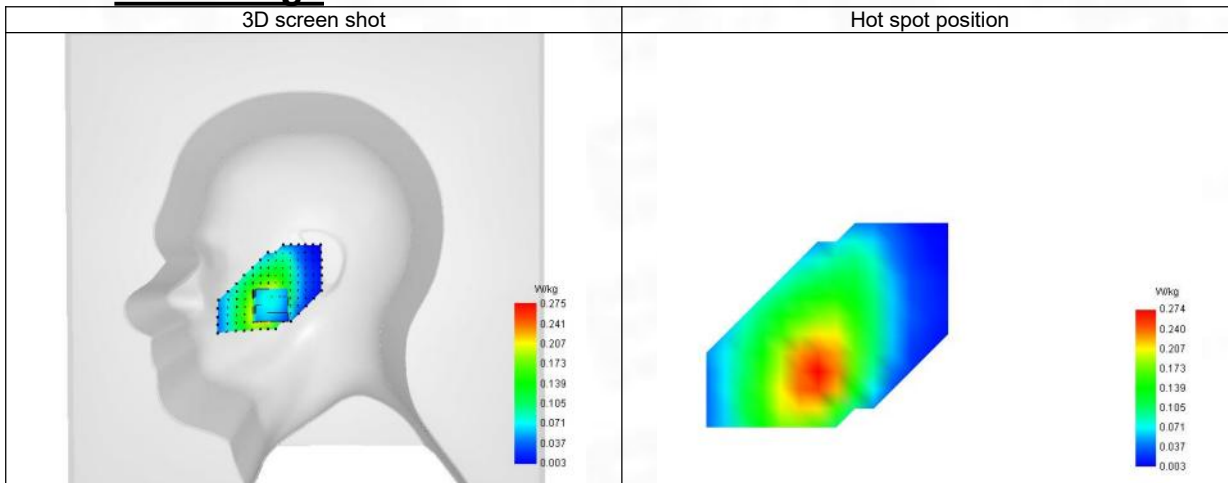
SAR 10g (W/Kg)	0.189
SAR 1g (W/Kg)	0.267
Variation (%)	0.320
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	74.146908

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.374	0.275	0.204	0.162	0.134	0.106	0.083



F. 3D Image



4-Body with back position in dist. 10mm on Channel 810 in GPRS1900+2slots

SAR Measurement at GPRS1900 (Body, Validation Plane)

Date of measurement: 13/12/2025

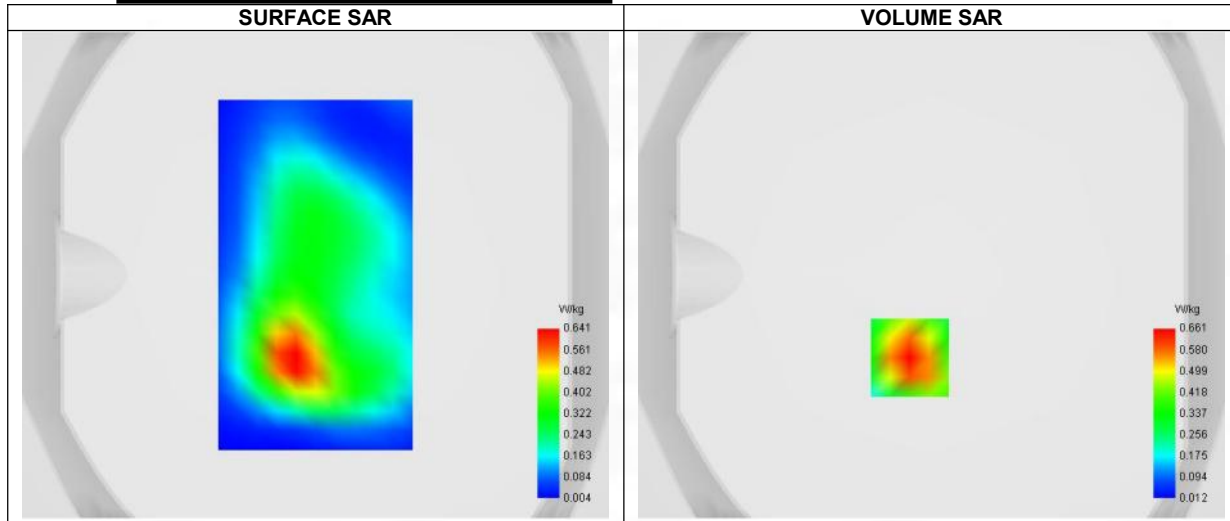
A. Experimental conditions.

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	GPRS1900
Channels/Frequency	Higher (810)/ frequency 1909.800 Mhz
Signal	TDMA (GPRS)
Modulation	GMSK (CS-1)
TX-slots	4

B. Permittivity

Middle TX Frequency (MHz)	1909.800
Relative permittivity (real part)	39.921
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.437

C. SAR Surface and Volume



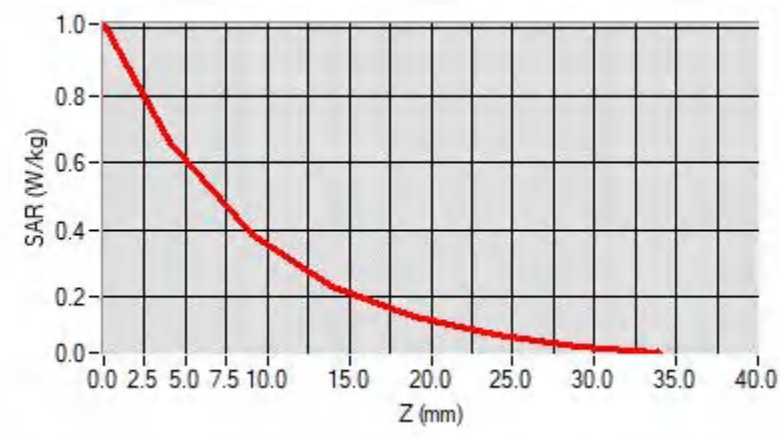
Maximum location: X=-9.00, Y=-34.00 ; SAR Peak: 1.02 W/kg

D. SAR 1g & 10g

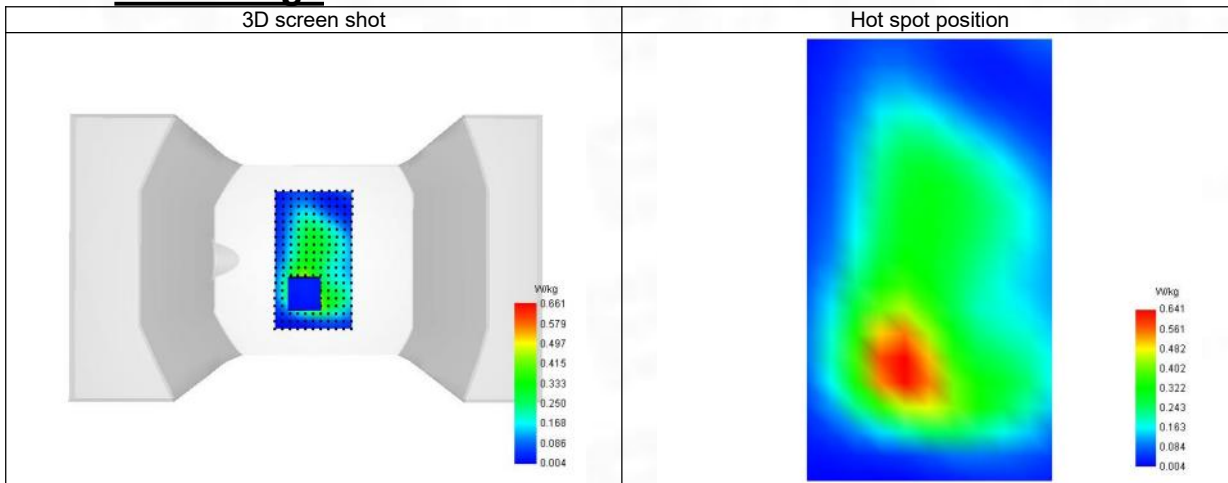
SAR 10g (W/Kg)	0.348
SAR 1g (W/Kg)	0.630
Variation (%)	-2.140
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	58.128063

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.012	0.661	0.384	0.232	0.138	0.086	0.049



F. 3D Image



5-Head with front position in dist. 0mm on Channel 9538 in WCDMA Band 2

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

Date of measurement: 13/12/2025

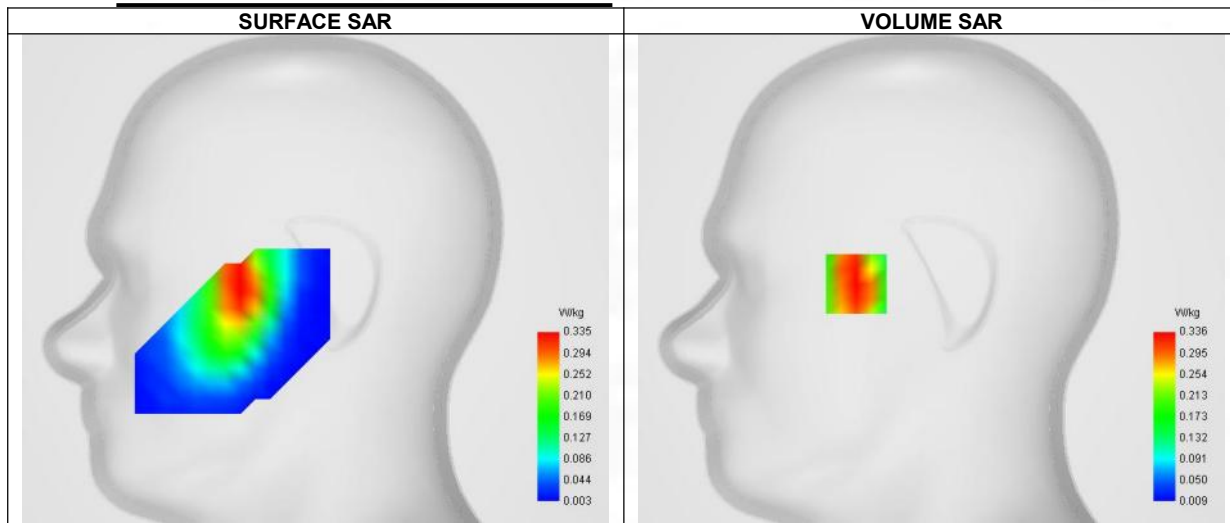
A. Experimental conditions.

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	Higher (9538)/ frequency 1907.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1907.600
Relative permittivity (real part)	39.926
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.436

C. SAR Surface and Volume



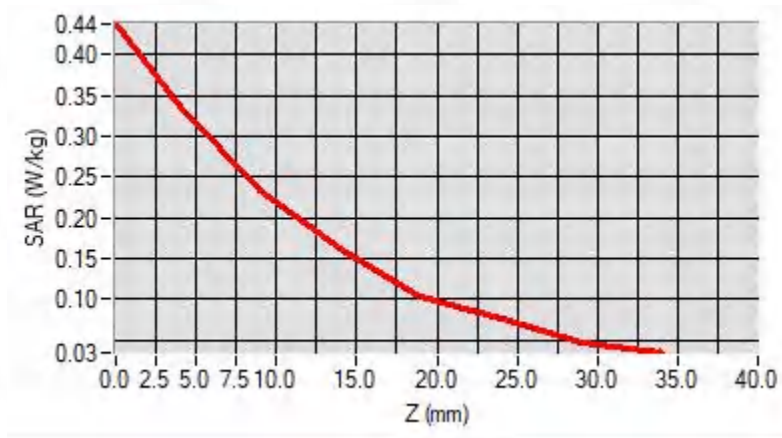
Maximum location: X=-40.00, Y=-3.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

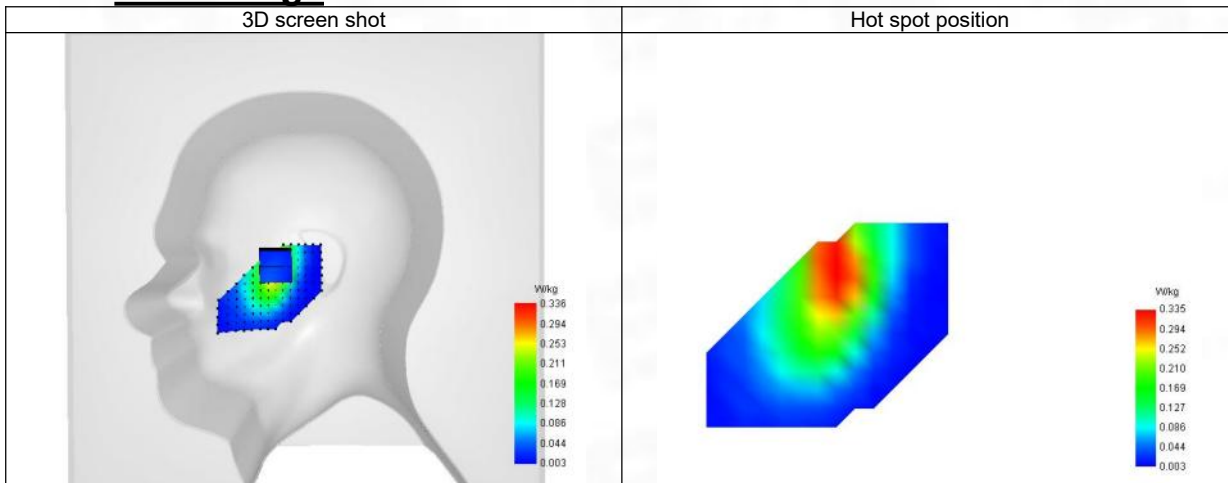
SAR 10g (W/Kg)	0.194
SAR 1g (W/Kg)	0.323
Variation (%)	0.450
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	69.852957

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.438	0.336	0.235	0.163	0.104	0.077	0.048



F. 3D Image



6-Body with back position in dist. 10mm on Channel 9538 in WCDMA Band 2

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

Date of measurement: 13/12/2025

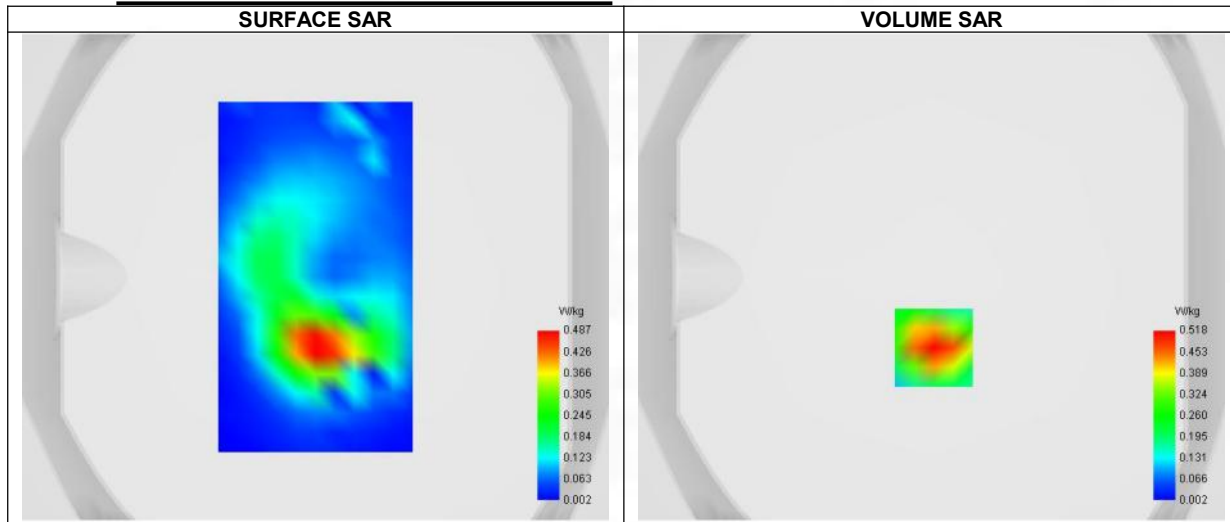
A. Experimental conditions.

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	Higher (9538)/ frequency 1907.600 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	1907.600
Relative permittivity (real part)	39.926
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.436

C. SAR Surface and Volume



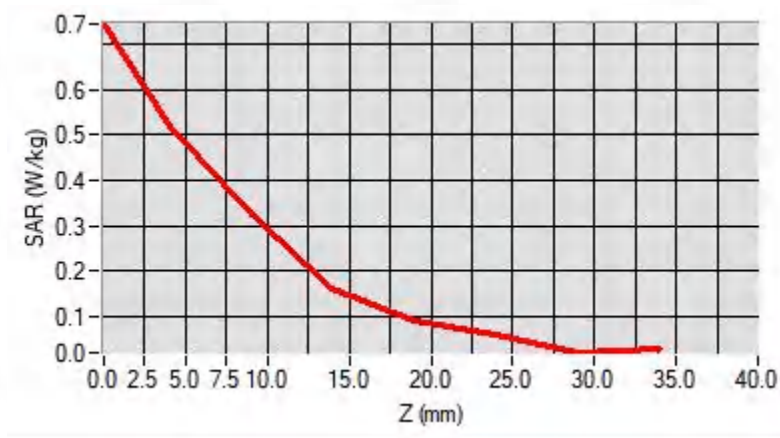
Maximum location: X=1.00, Y=-29.00 ; SAR Peak: 0.78 W/kg

D. SAR 1g & 10g

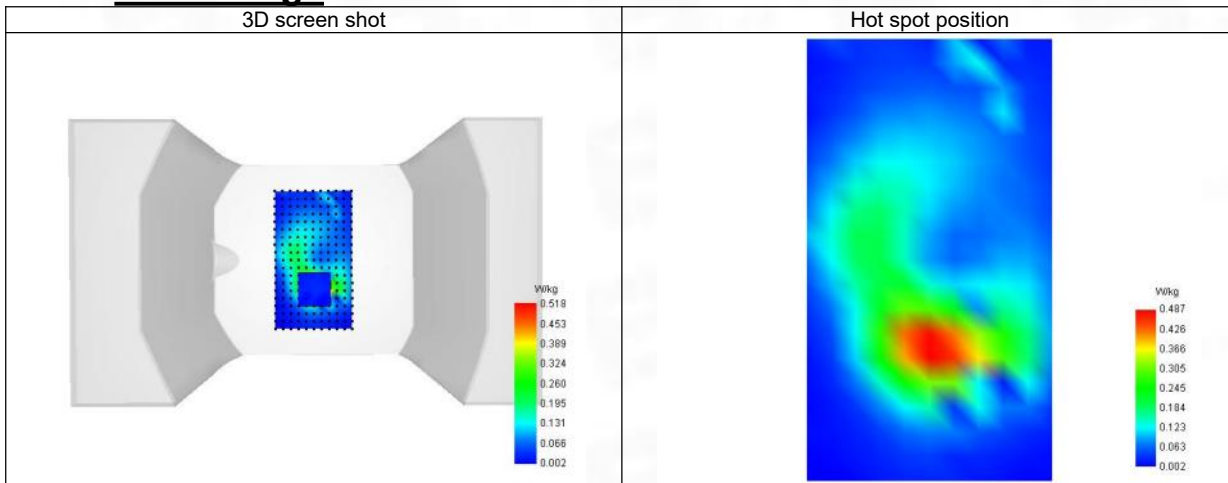
SAR 10g (W/Kg)	0.244
SAR 1g (W/Kg)	0.480
Variation (%)	-1.850
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	62.804677

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.743	0.518	0.325	0.163	0.093	0.060	0.021



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: 12/12/2025

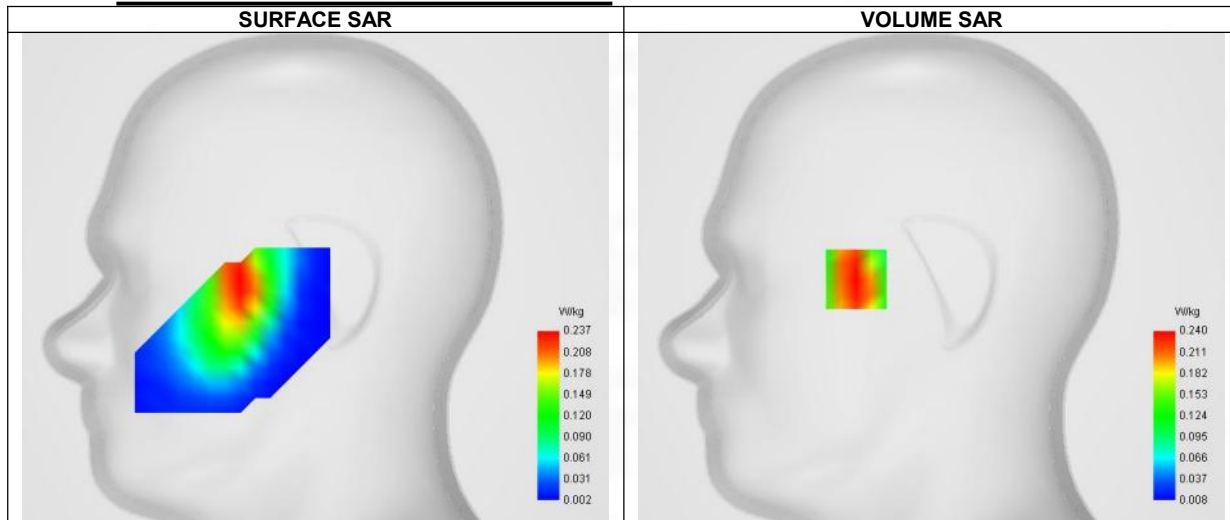
A. Experimental conditions.

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)	40.111
Relative permittivity (imaginary part)	14.888
Conductivity (S/m)	1.368

C. SAR Surface and Volume



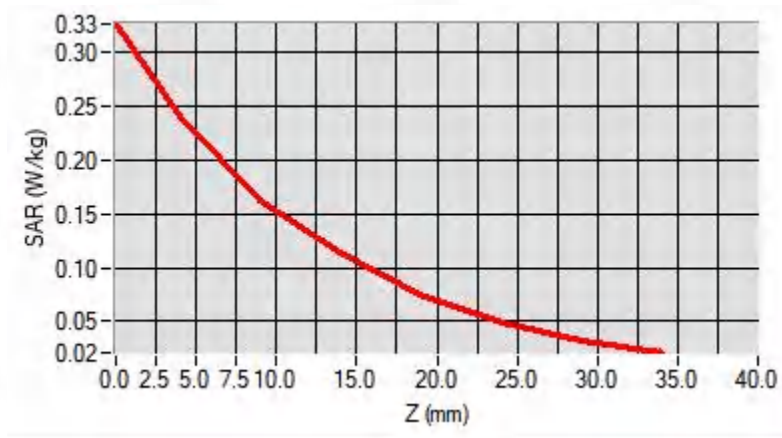
Maximum location: X=-40.00, Y=-1.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

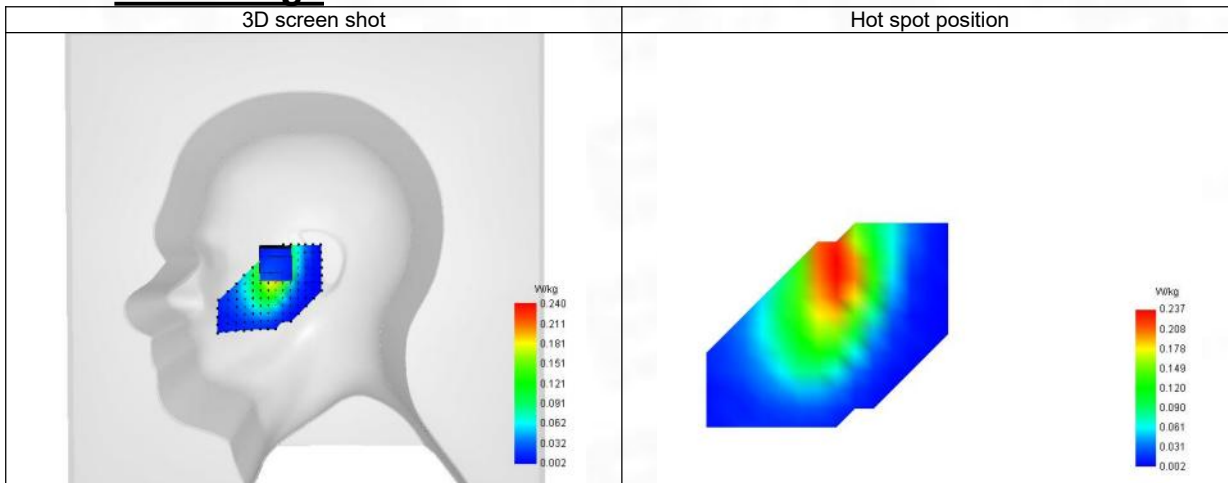
SAR 10g (W/Kg)	0.145
SAR 1g (W/Kg)	0.235
Variation (%)	0.030
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	67.723717

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.326	0.240	0.163	0.115	0.076	0.049	0.033



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: 12/12/2026

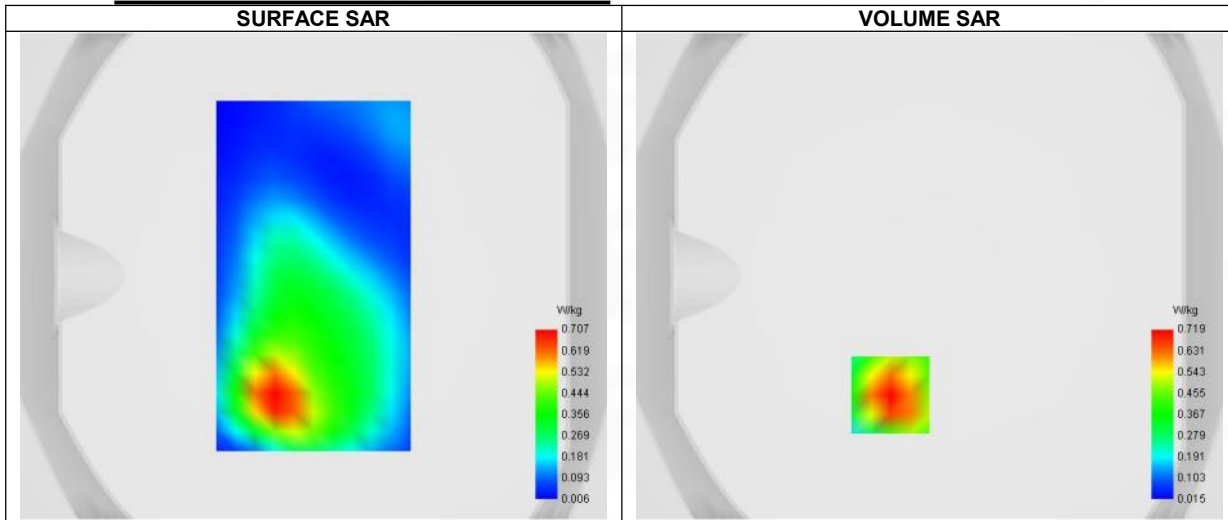
A. Experimental conditions.

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)	40.111
Relative permittivity (imaginary part)	14.888
Conductivity (S/m)	1.368

C. SAR Surface and Volume



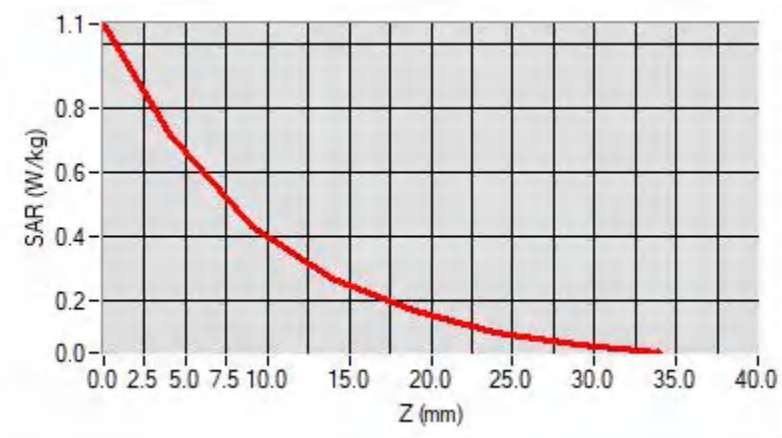
Maximum location: X=-16.00, Y=-49.00 ; SAR Peak: 1.09 W/kg

D. SAR 1g & 10g

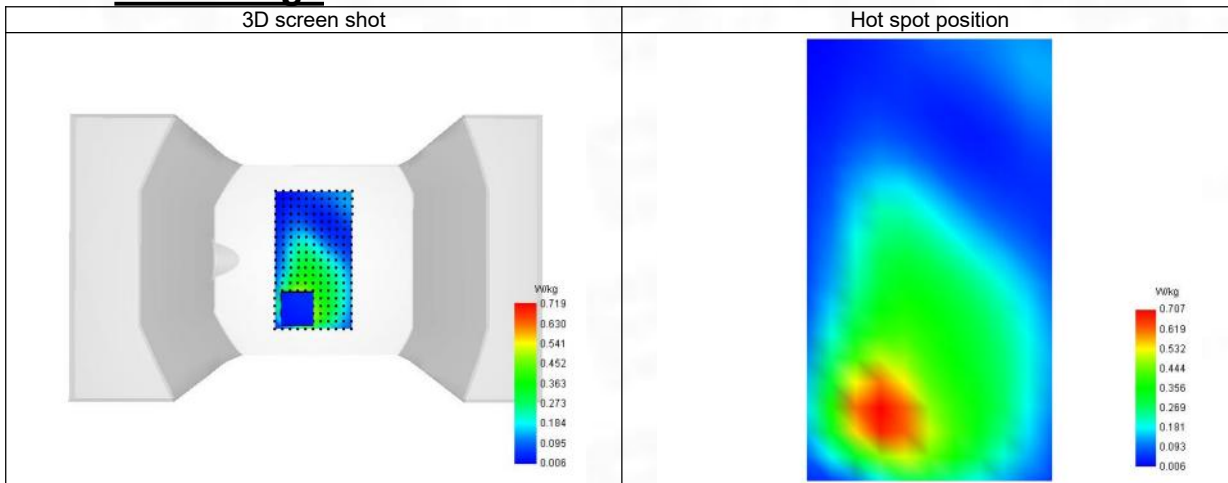
SAR 10g (W/Kg)	0.390
SAR 1g (W/Kg)	0.686
Variation (%)	0.500
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	60.365696

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.066	0.719	0.434	0.270	0.166	0.101	0.063



F. 3D Image



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

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

Date of measurement: 12/11/2025

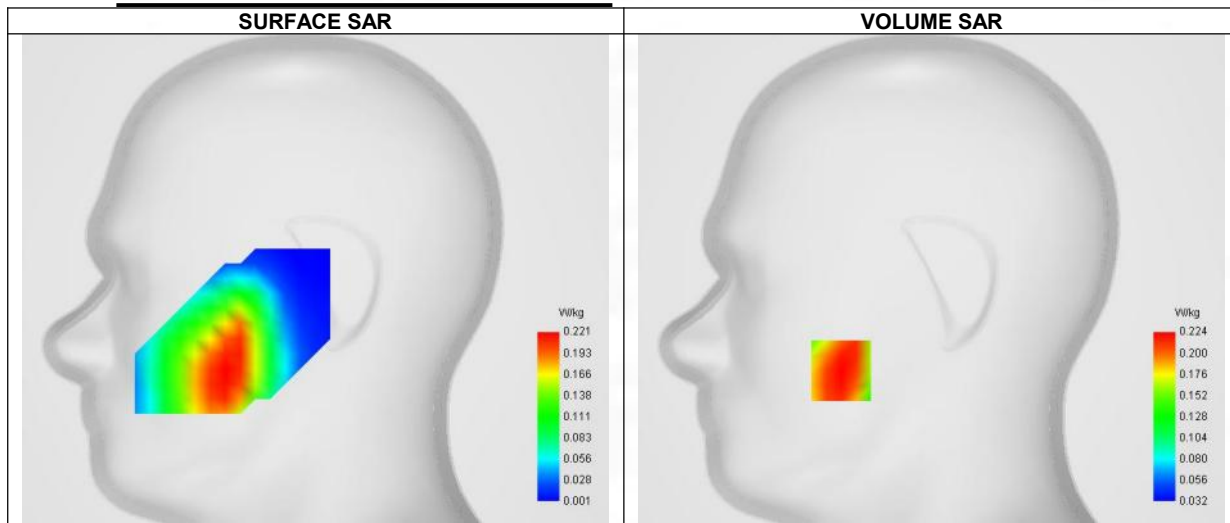
A. Experimental conditions.

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	Lower (4132)/ frequency 826.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	826.400
Relative permittivity (real part)	41.709
Relative permittivity (imaginary part)	19.631
Conductivity (S/m)	0.930

C. SAR Surface and Volume



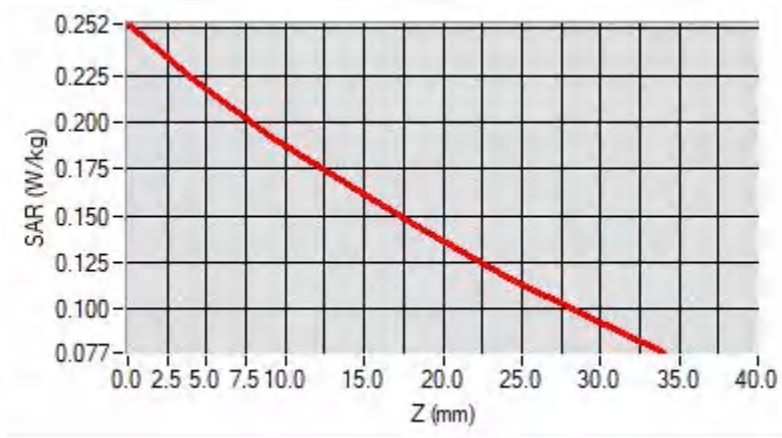
Maximum location: X=-48.00, Y=-49.00 ; SAR Peak: 0.26 W/kg

D. SAR 1g & 10g

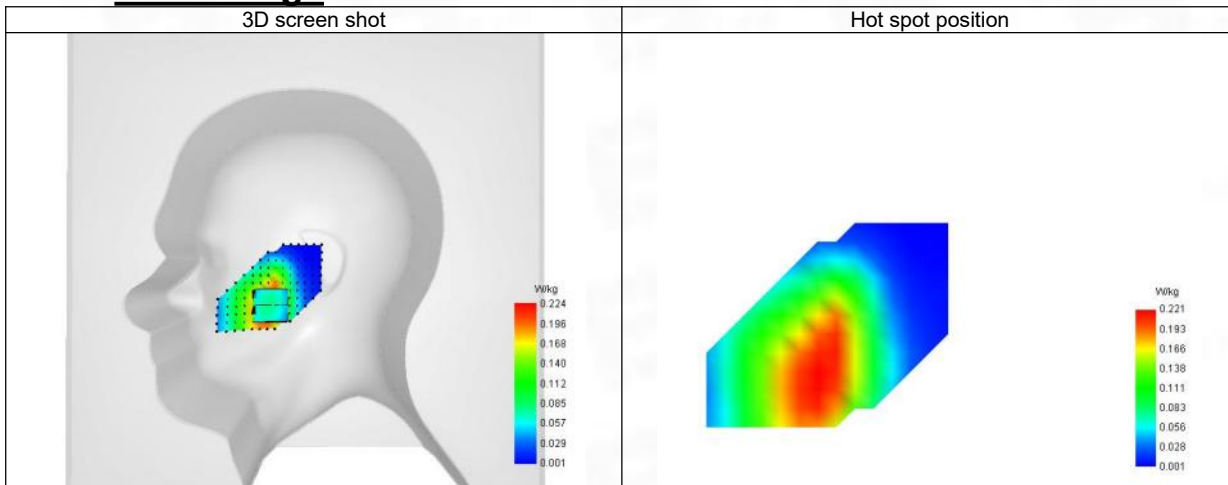
SAR 10g (W/Kg)	0.170
SAR 1g (W/Kg)	0.219
Variation (%)	-3.270
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	76.785714

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.252	0.224	0.172	0.167	0.141	0.117	0.097



F. 3D Image



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

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

Date of measurement: 12/11/2025

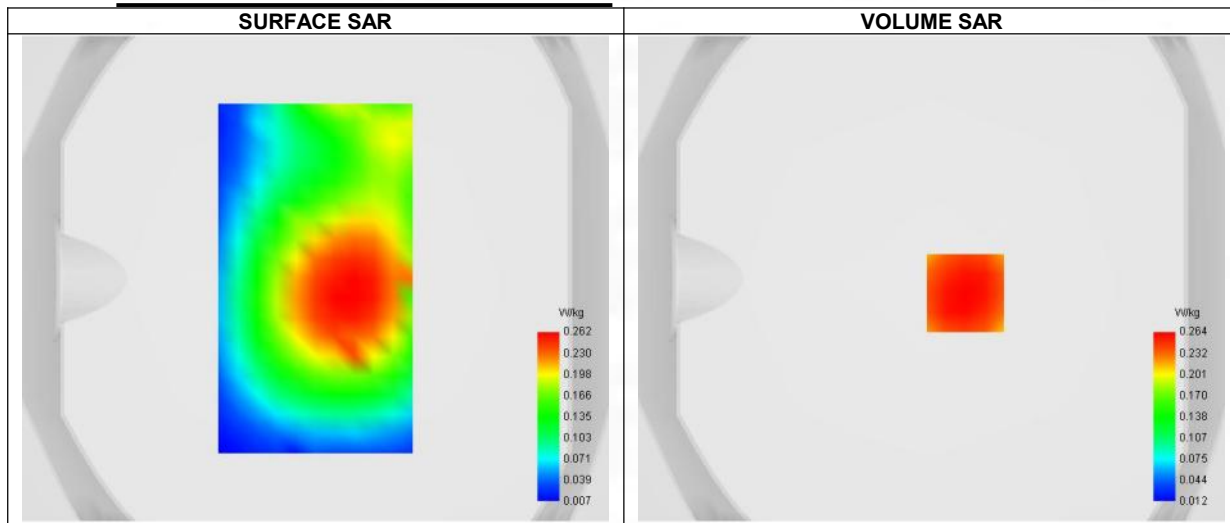
A. Experimental conditions.

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	Lower (4132)/ frequency 826.400 Mhz
Signal	WCDMA
Mode	Release 99
Connection Type	RMC, 12.2 kbps

B. Permittivity

Middle TX Frequency (MHz)	826.400
Relative permittivity (real part)	41.709
Relative permittivity (imaginary part)	19.631
Conductivity (S/m)	0.930

C. SAR Surface and Volume

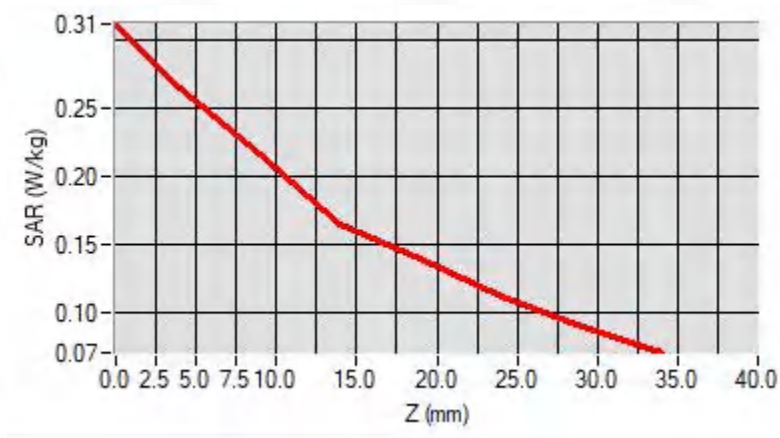


D. SAR 1g & 10g

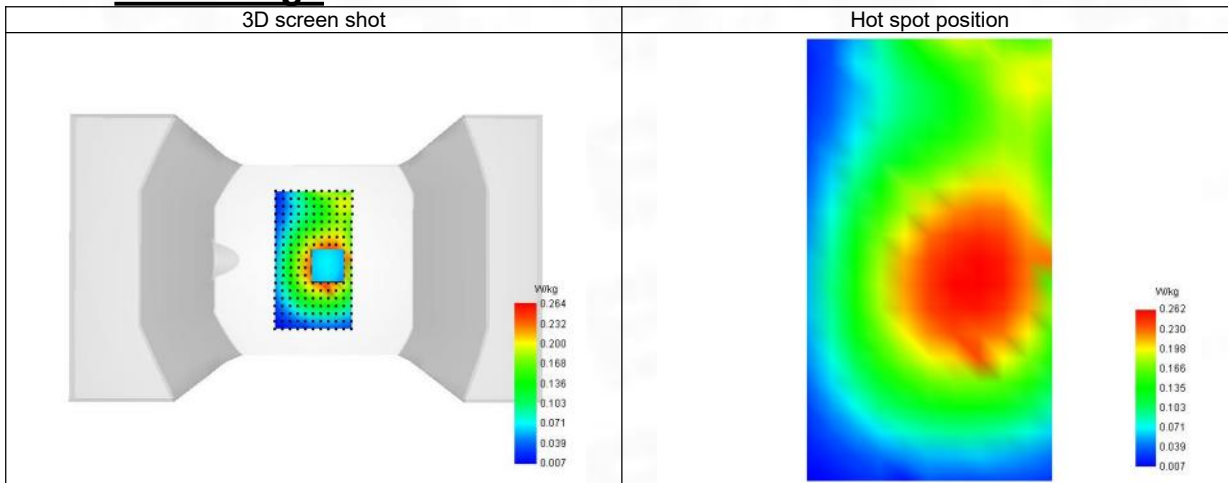
SAR 10g (W/Kg)	0.188
SAR 1g (W/Kg)	0.269
Variation (%)	0.260
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	78.030303

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.312	0.264	0.206	0.164	0.139	0.112	0.089



F. 3D Image



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

SAR Measurement at LTE band 2 (Cheek, Right)

Date of measurement: 13/12/2025

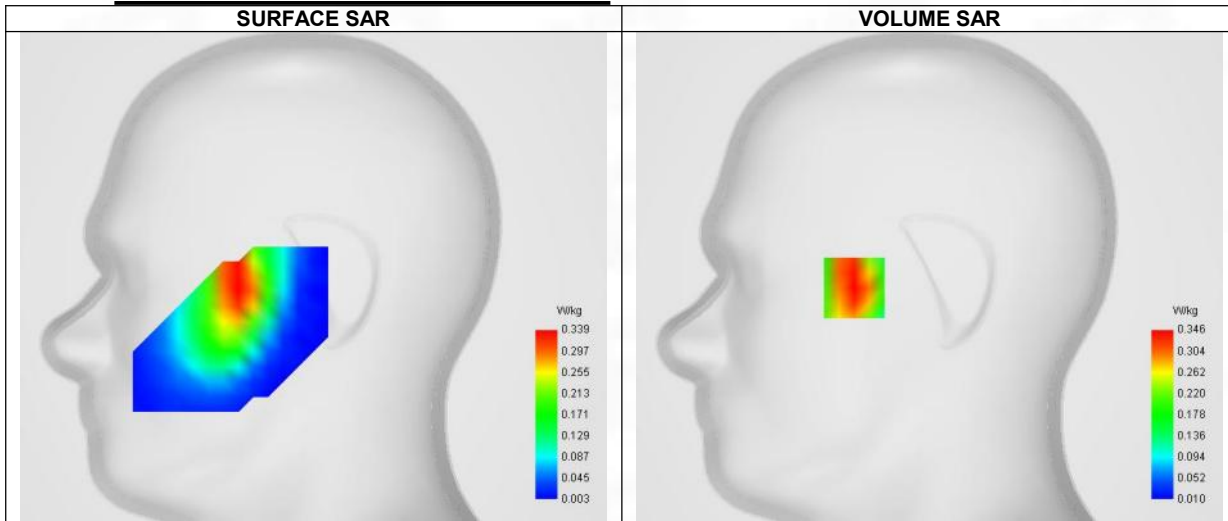
A. Experimental conditions.

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	Higher (19100)/ frequency 1900.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1900.090
Relative permittivity (real part)	39.943
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.431

C. SAR Surface and Volume



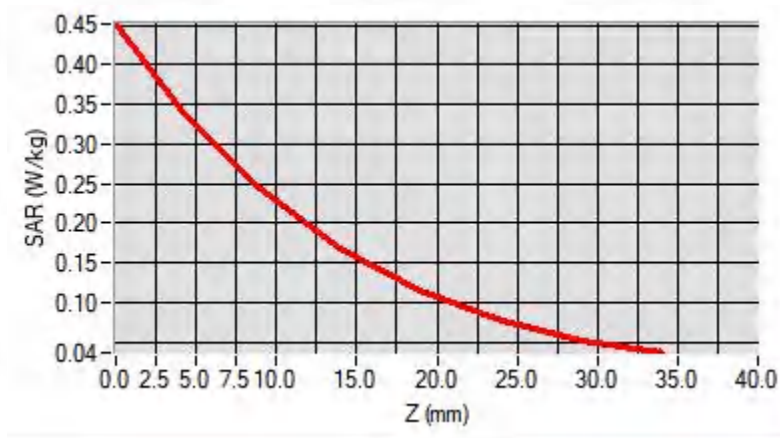
Maximum location: X=-40.00, Y=-6.00 ; SAR Peak: 0.47 W/kg

D. SAR 1g & 10g

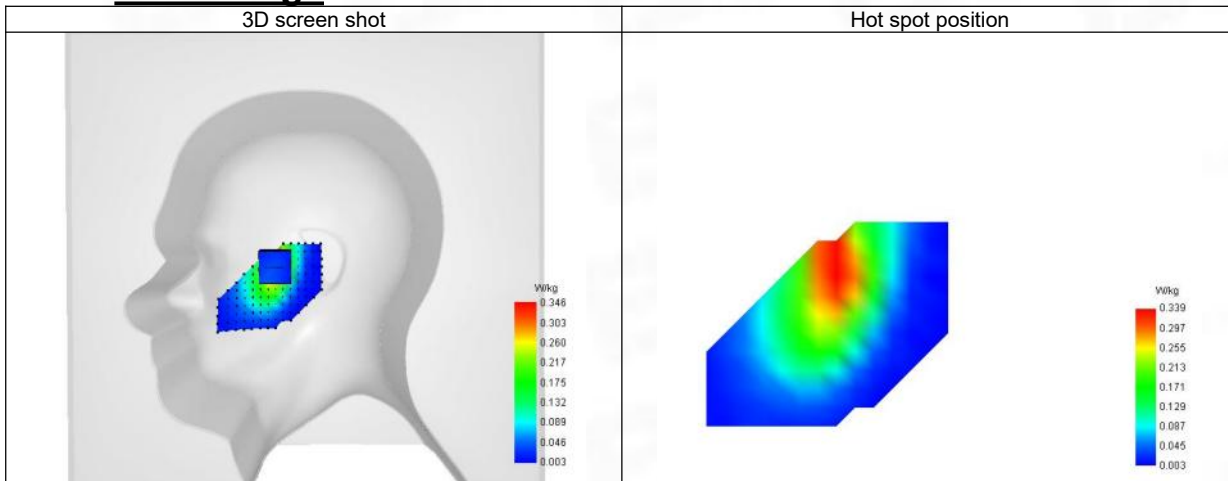
SAR 10g (W/Kg)	0.208
SAR 1g (W/Kg)	0.330
Variation (%)	-1.630
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	70.629905

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.451	0.346	0.244	0.169	0.115	0.078	0.052



F. 3D Image



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

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

Date of measurement: 13/12/2025

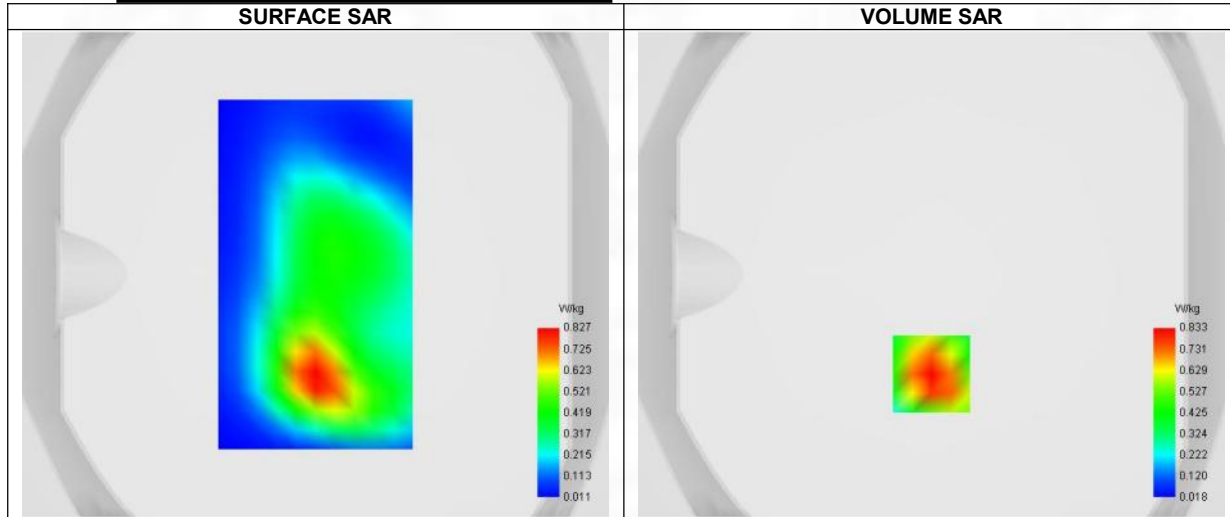
A. Experimental conditions.

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	Higher (19100)/ frequency 1900.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1900.090
Relative permittivity (real part)	39.943
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.431

C. SAR Surface and Volume

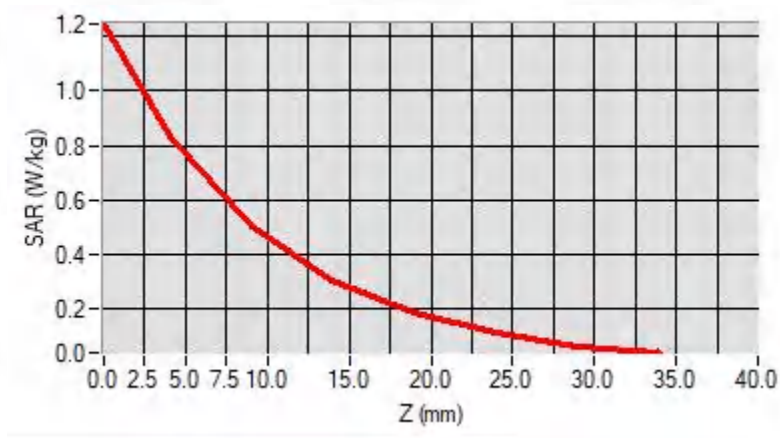


D. SAR 1g & 10g

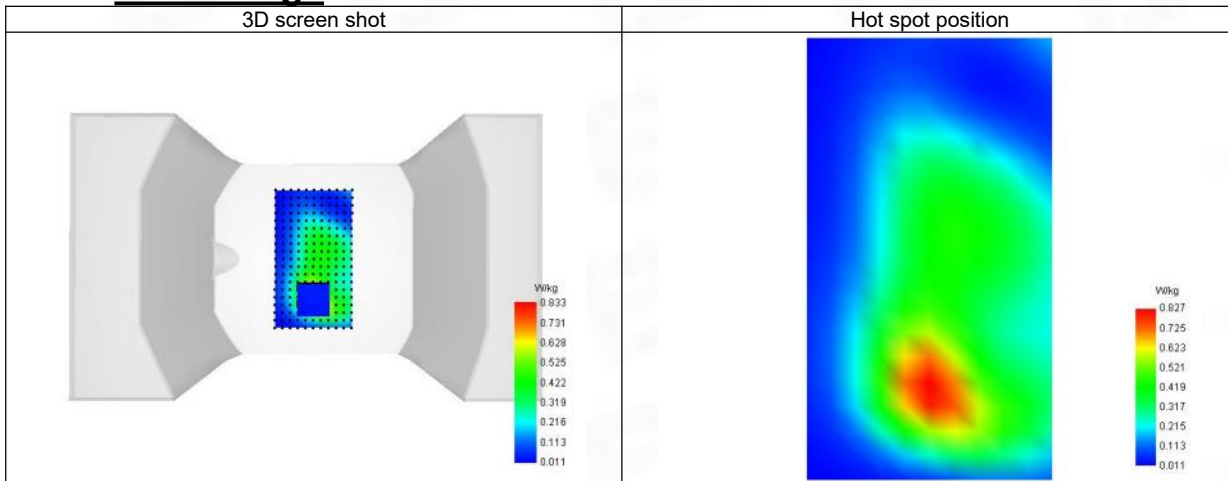
SAR 10g (W/Kg)	0.451
SAR 1g (W/Kg)	0.769
Variation (%)	-2.750
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	60.020788

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.244	0.833	0.500	0.306	0.188	0.112	0.067



F. 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: 12/12/2025

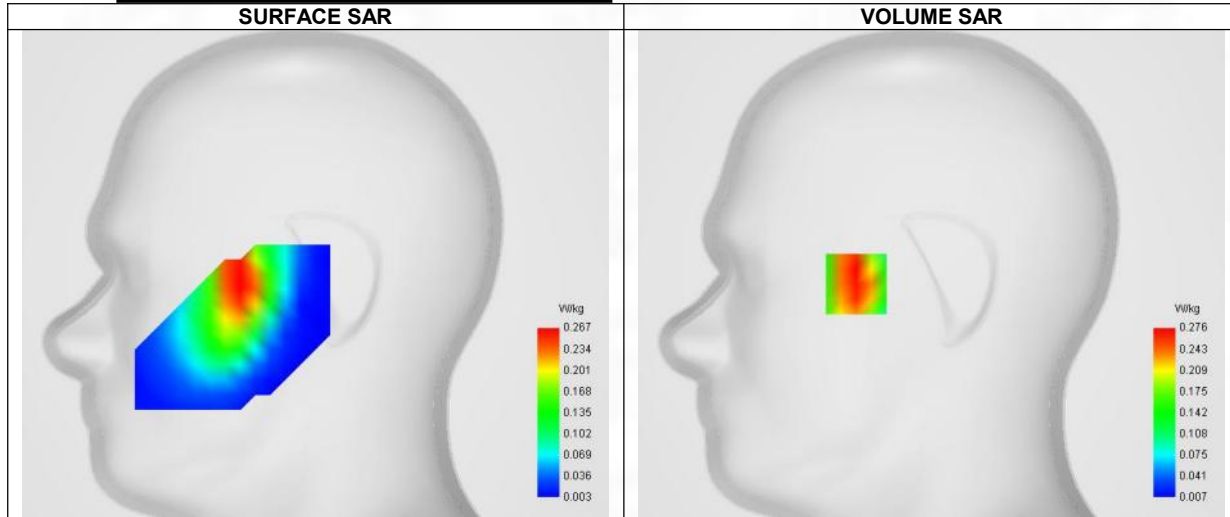
A. Experimental conditions.

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)	40.145
Relative permittivity (imaginary part)	14.987
Conductivity (S/m)	1.359

C. SAR Surface and Volume



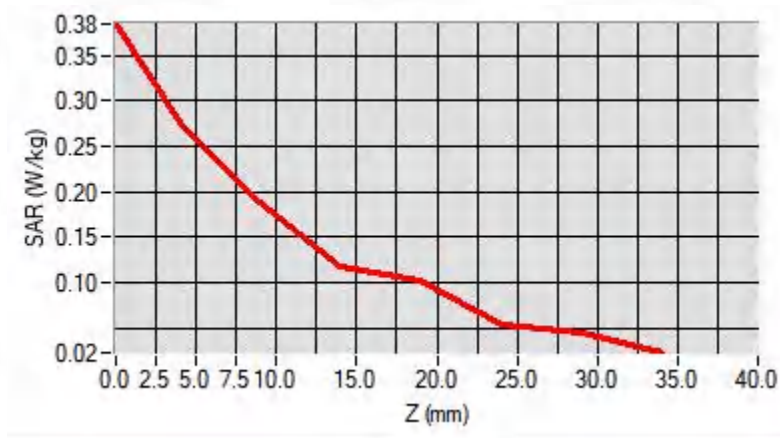
Maximum location: X=-40.00, Y=-5.00 ; SAR Peak: 0.39 W/kg

D. SAR 1g & 10g

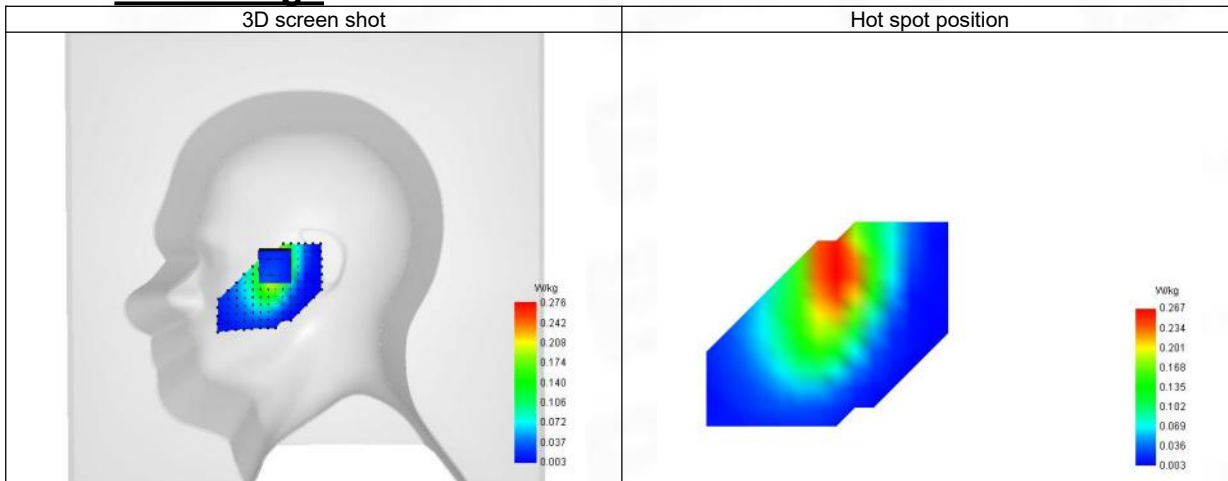
SAR 10g (W/Kg)	0.165
SAR 1g (W/Kg)	0.264
Variation (%)	-1.450
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	65.324927

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.385	0.276	0.189	0.118	0.101	0.054	0.045



F. 3D Image



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

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

Date of measurement: 12/12/2025

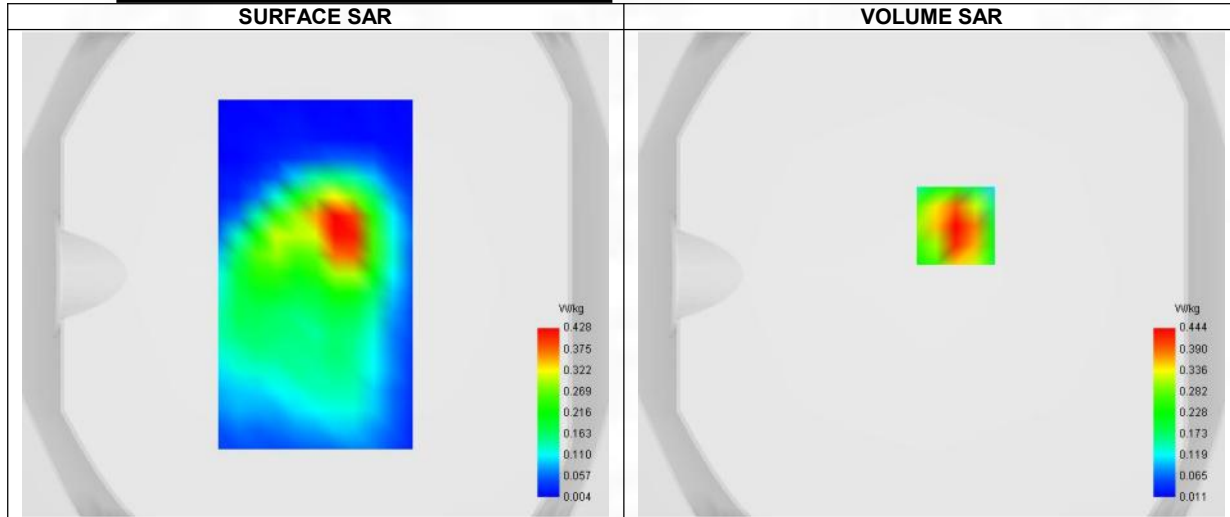
A. Experimental conditions.

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)	40.145
Relative permittivity (imaginary part)	14.987
Conductivity (S/m)	1.359

C. SAR Surface and Volume

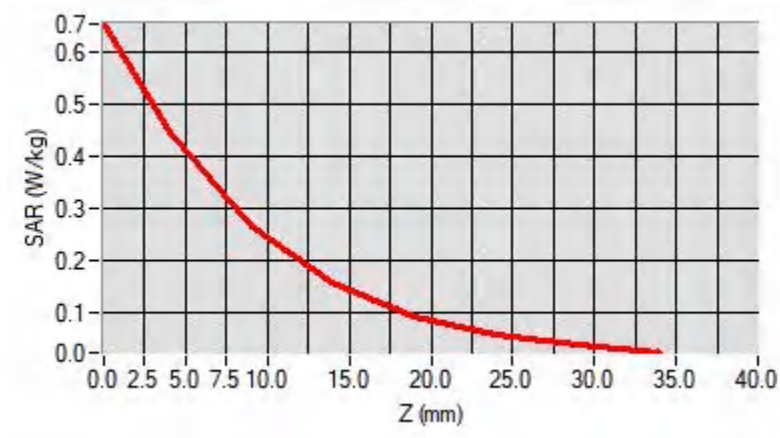


D. SAR 1g & 10g

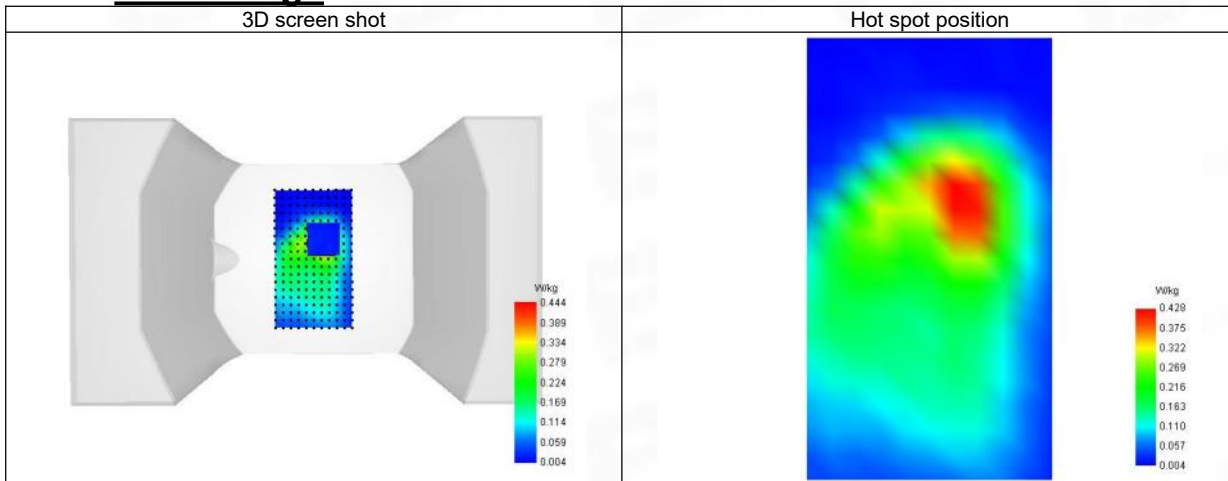
SAR 10g (W/Kg)	0.231
SAR 1g (W/Kg)	0.419
Variation (%)	1.510
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.414858

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.654	0.444	0.264	0.157	0.089	0.057	0.037



F. 3D Image



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

SAR Measurement at LTE band 5 (Cheek, Right)

Date of measurement: 11/12/2025

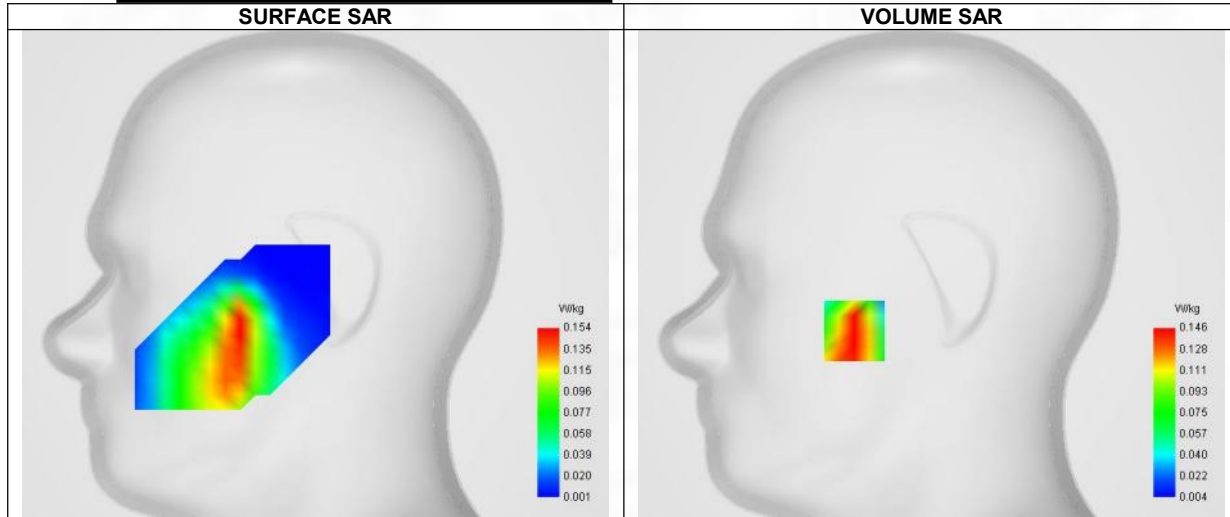
A. Experimental conditions.

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)	41.695
Relative permittivity (imaginary part)	19.570
Conductivity (S/m)	0.931

C. SAR Surface and Volume



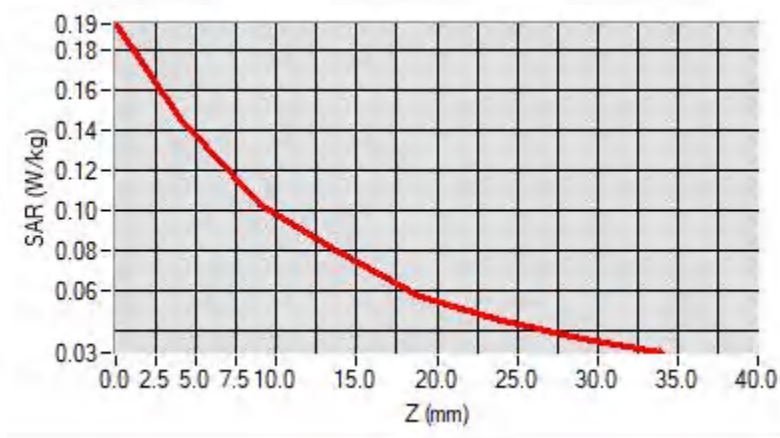
Maximum location: X=-41.00, Y=-30.00 ; SAR Peak: 0.23 W/kg

D. SAR 1g & 10g

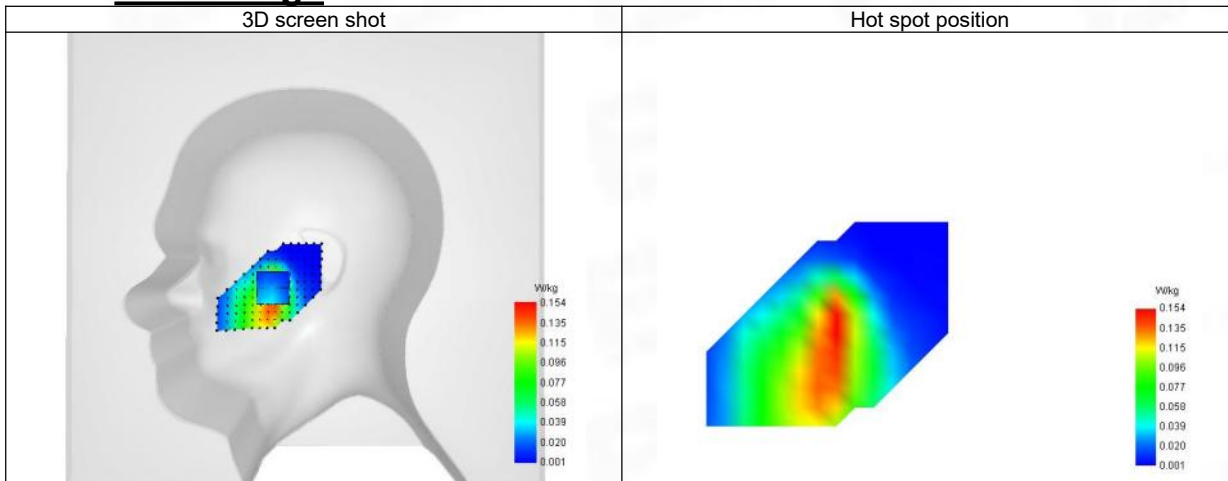
SAR 10g (W/Kg)	0.087
SAR 1g (W/Kg)	0.146
Variation (%)	-2.800
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	70.683226

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.193	0.146	0.103	0.079	0.057	0.045	0.036



F. 3D Image



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

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

Date of measurement: 11/12/2025

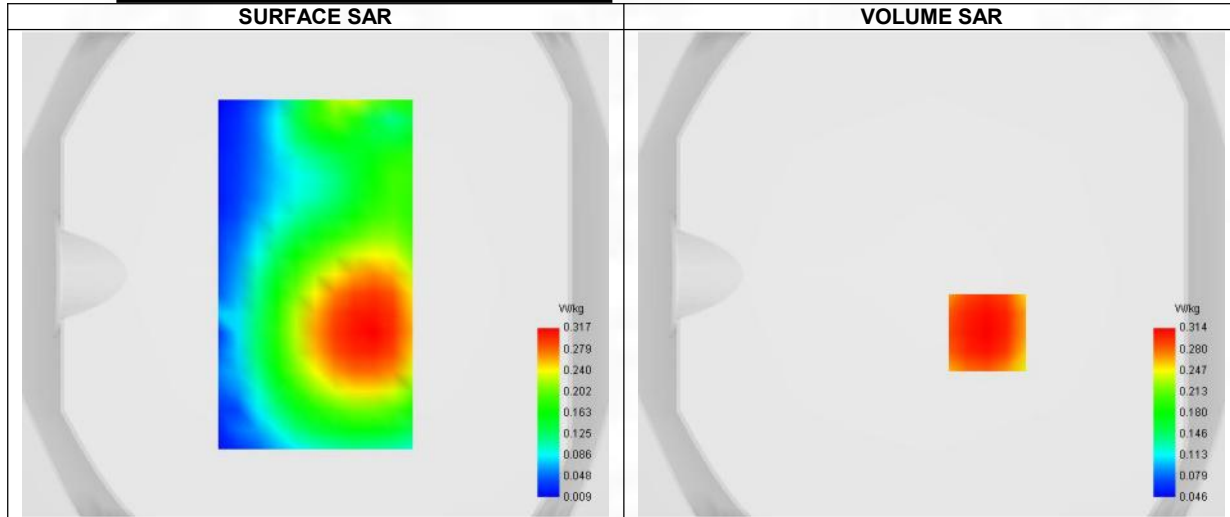
A. Experimental conditions.

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)	41.695
Relative permittivity (imaginary part)	19.570
Conductivity (S/m)	0.931

C. SAR Surface and Volume

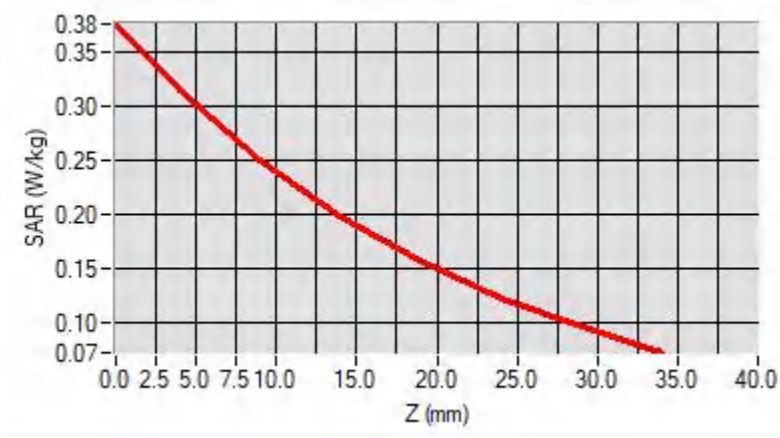


D. SAR 1g & 10g

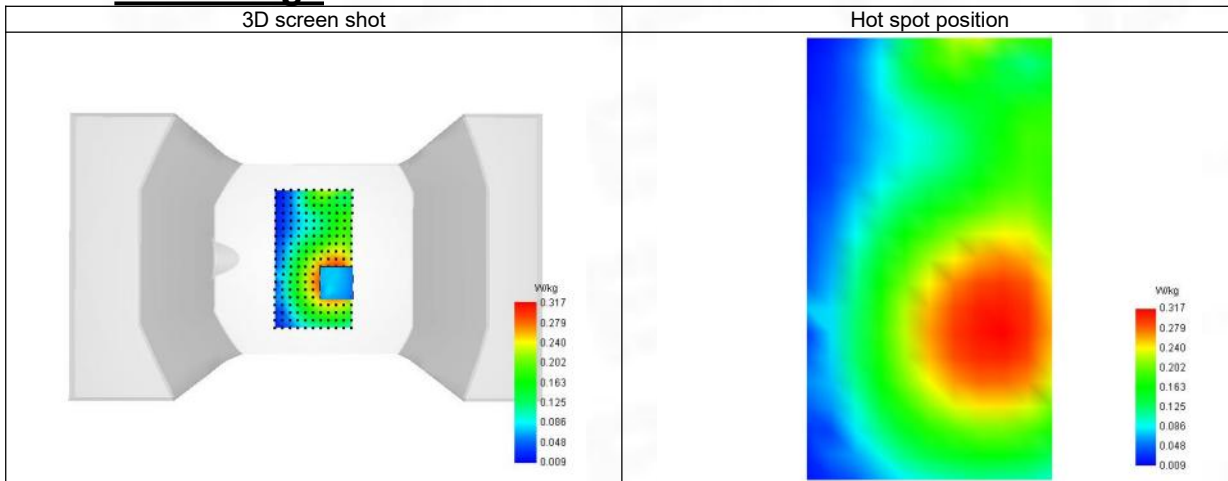
SAR 10g (W/Kg)	0.232
SAR 1g (W/Kg)	0.305
Variation (%)	-3.570
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.482019

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.376	0.314	0.249	0.198	0.157	0.122	0.095



F. 3D Image



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

SAR Measurement at LTE band 7 (Cheek, Right)

Date of measurement: 15/12/2025

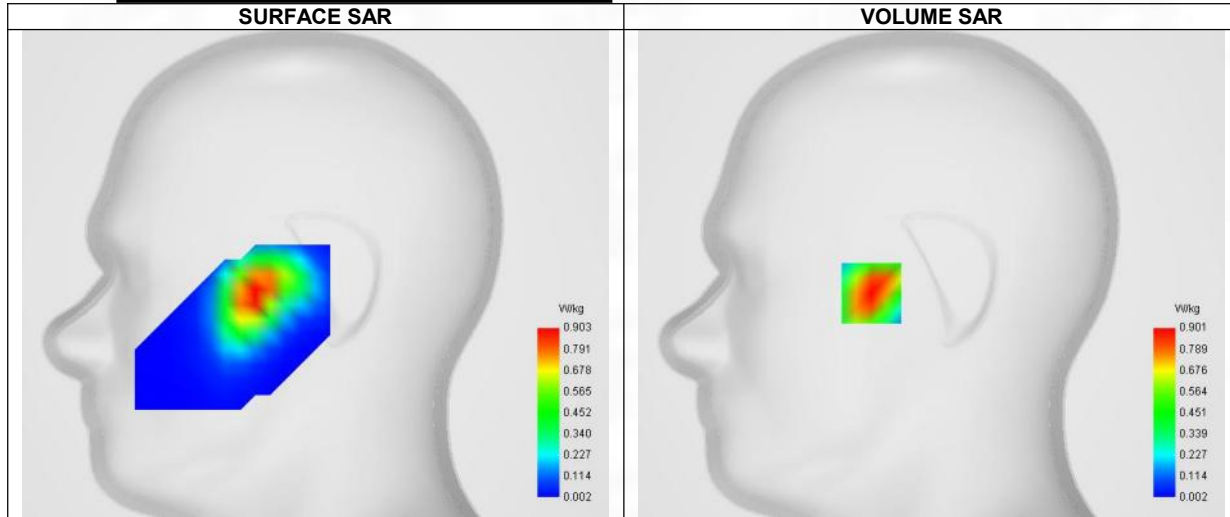
A. Experimental conditions.

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 7
Channels/Frequency	Higher (21350)/ frequency 2560.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2560.090
Relative permittivity (real part)	38.479
Relative permittivity (imaginary part)	12.695
Conductivity (S/m)	1.868

C. SAR Surface and Volume

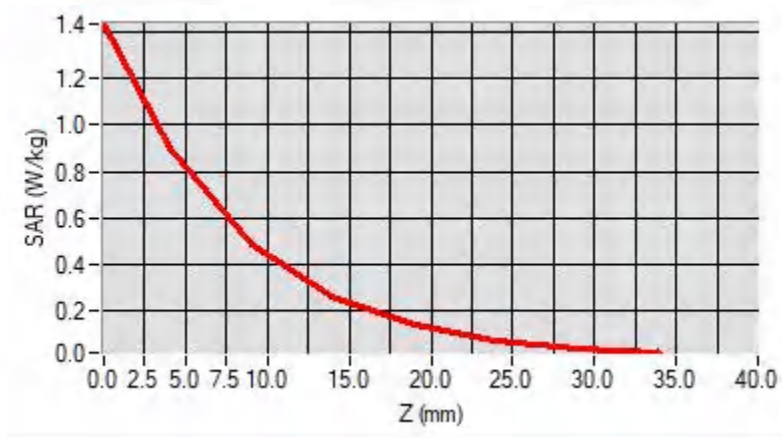


D. SAR 1g & 10g

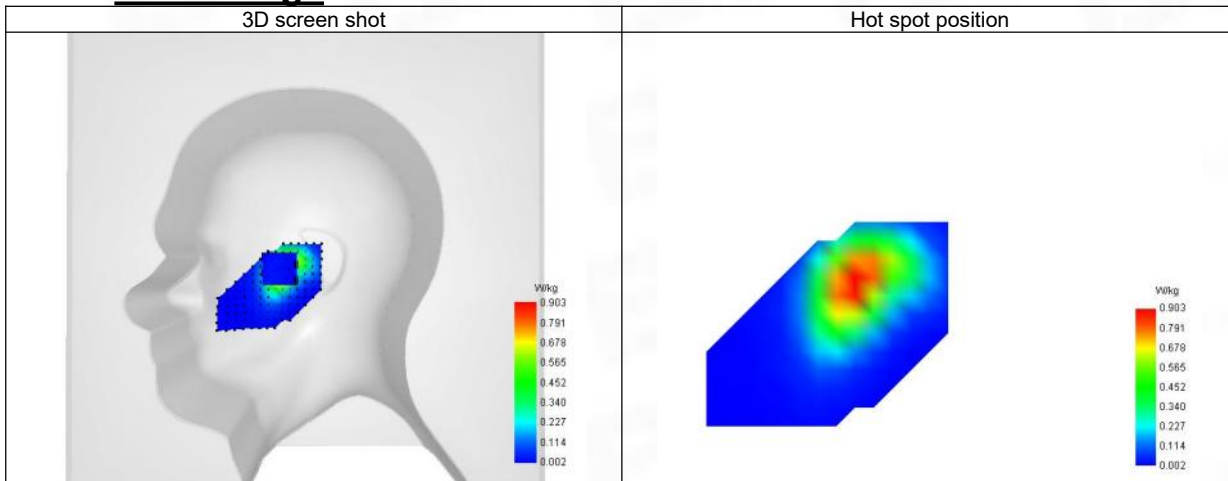
SAR 10g (W/Kg)	0.433
SAR 1g (W/Kg)	0.853
Variation (%)	-1.610
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.724907

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.435	0.901	0.484	0.263	0.143	0.069	0.040



F. 3D Image



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

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

Date of measurement: 16/12/2025

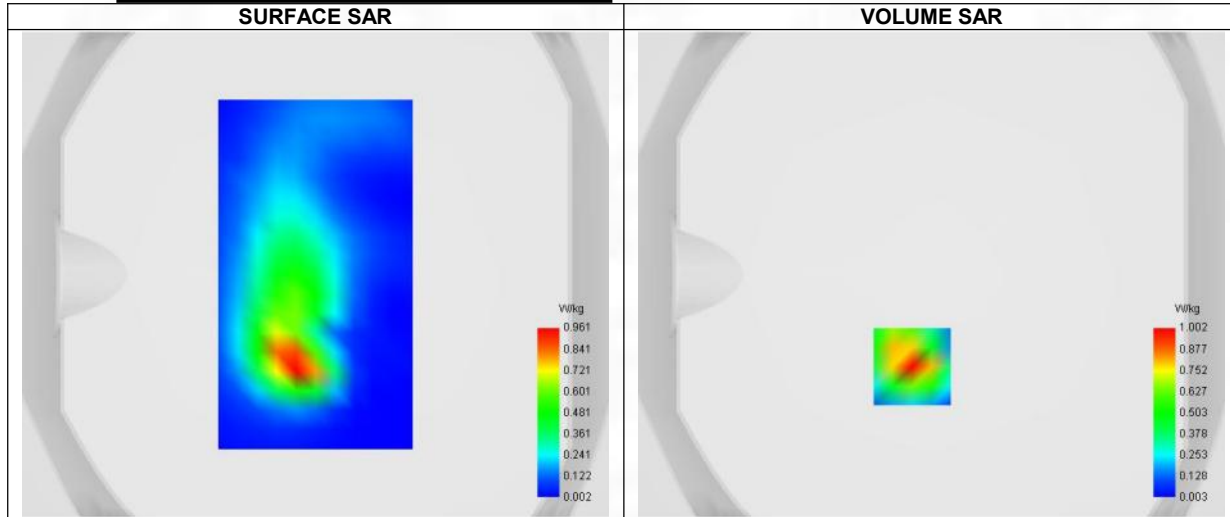
A. Experimental conditions.

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 7
Channels/Frequency	Higher (21350)/ frequency 2560.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2560.090
Relative permittivity (real part)	38.479
Relative permittivity (imaginary part)	12.695
Conductivity (S/m)	1.868

C. SAR Surface and Volume

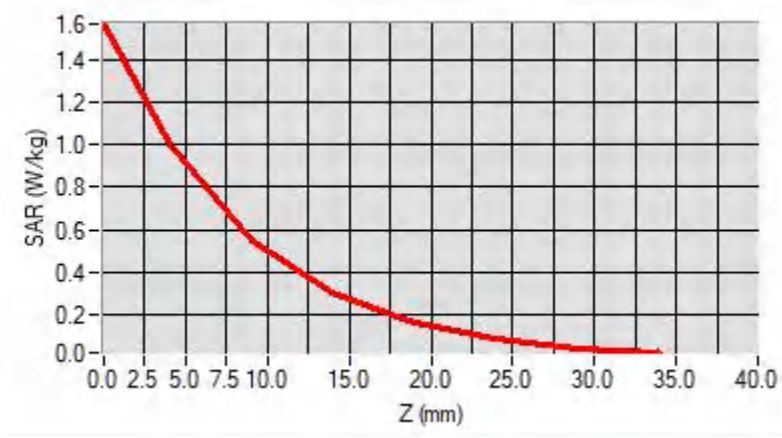


D. SAR 1g & 10g

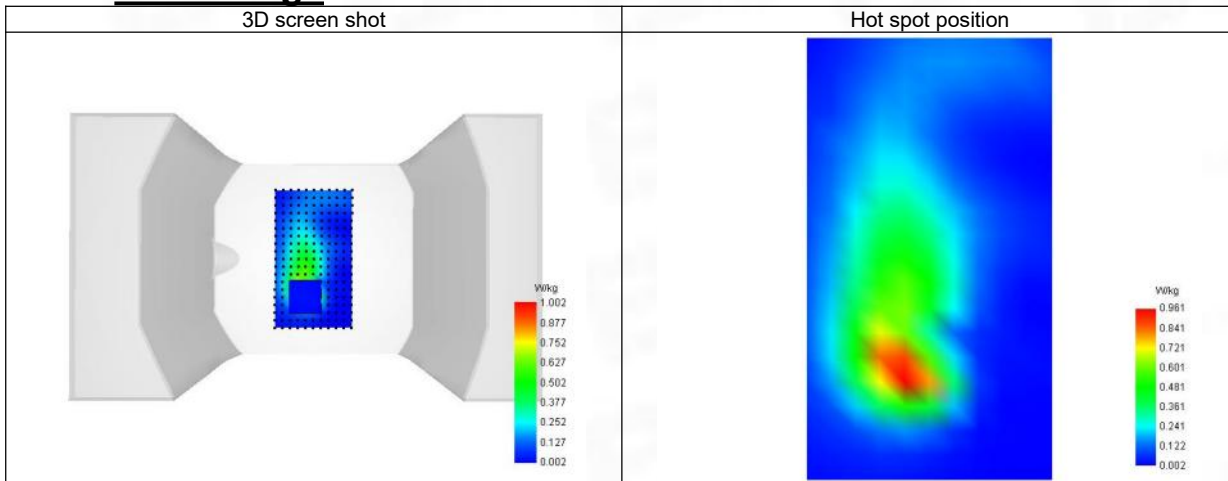
SAR 10g (W/Kg)	0.432
SAR 1g (W/Kg)	0.904
Variation (%)	2.280
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	55.390662

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.565	1.002	0.555	0.309	0.166	0.090	0.045



F. 3D Image



19-Head with front position in dist. 0mm on Channel 23130 in LTE band 12

SAR Measurement at LTE band 12 (Cheek, Right)

Date of measurement: 10/12/2025

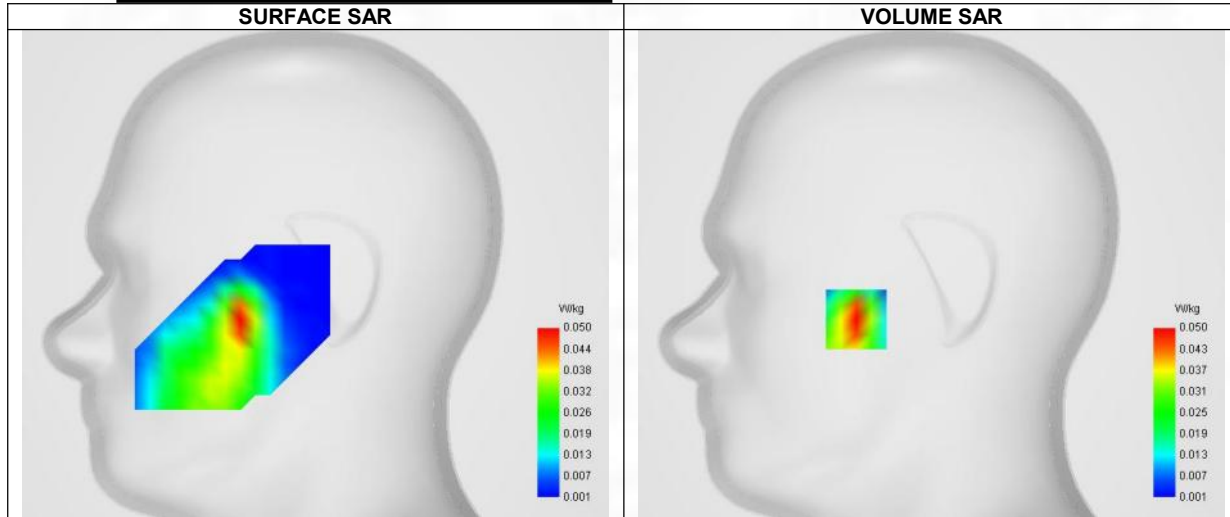
A. Experimental conditions.

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	Higher (23130)/ frequency 711.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	711.090
Relative permittivity (real part)	42.331
Relative permittivity (imaginary part)	22.232
Conductivity (S/m)	0.904

C. SAR Surface and Volume



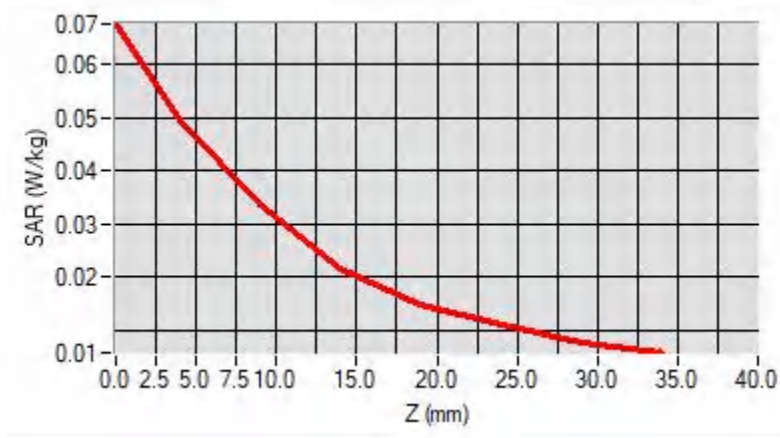
Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.07 W/kg

D. SAR 1g & 10g

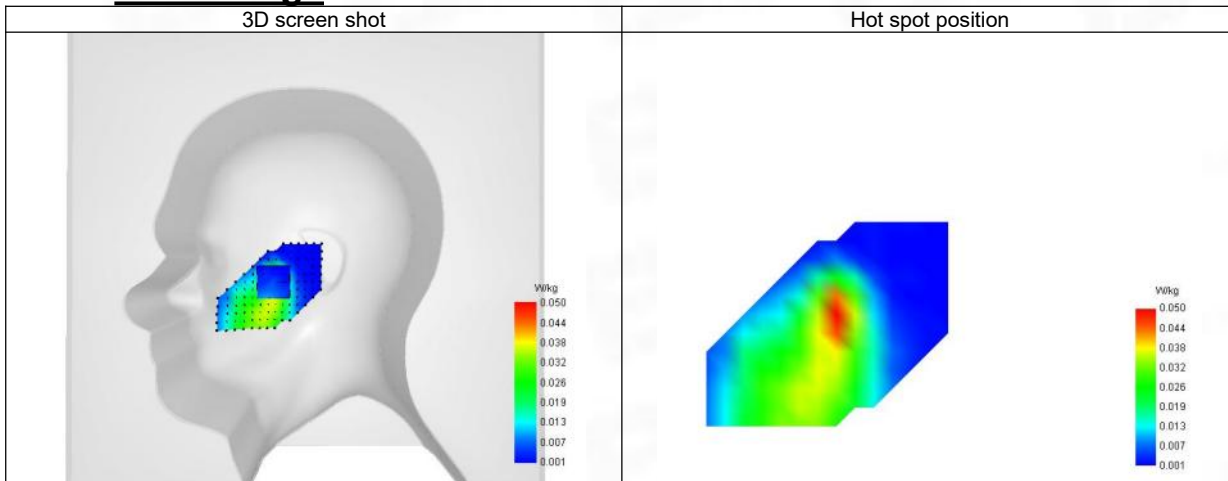
SAR 10g (W/Kg)	0.025
SAR 1g (W/Kg)	0.045
Variation (%)	-1.220
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	67.650603

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.068	0.050	0.034	0.022	0.015	0.011	0.008



F. 3D Image



20-Body with back position in dist. 10mm on Channel 23130 in LTE band 12

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

Date of measurement: 10/12/2025

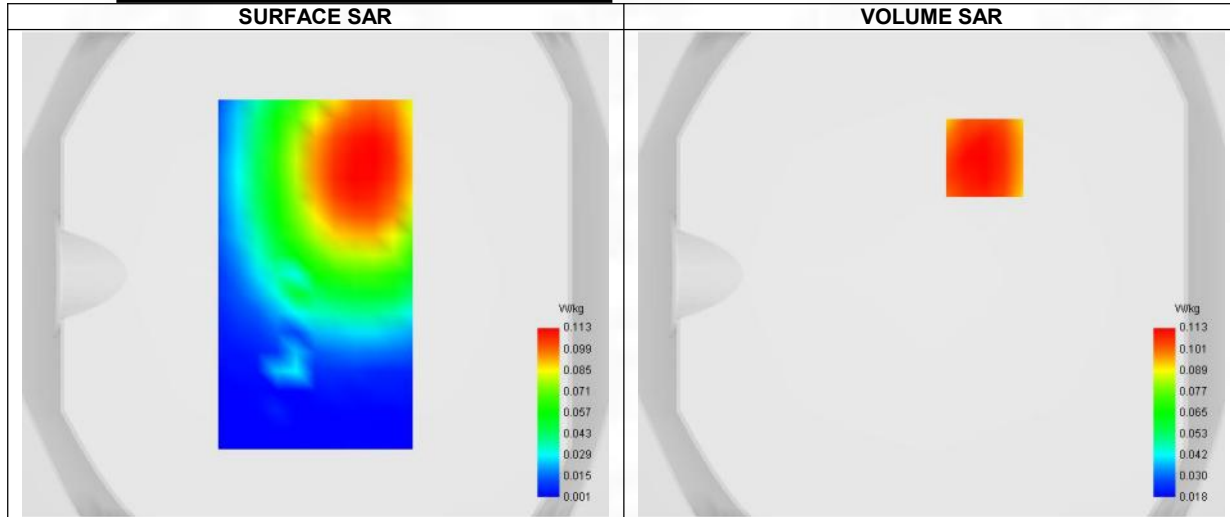
A. Experimental conditions.

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	Higher (23130)/ frequency 711.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	711.090
Relative permittivity (real part)	42.331
Relative permittivity (imaginary part)	22.232
Conductivity (S/m)	0.904

C. SAR Surface and Volume



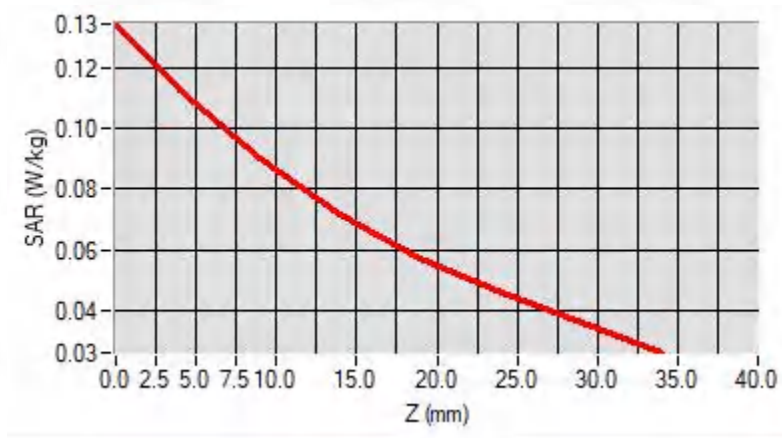
Maximum location: X=22.00, Y=48.00 ; SAR Peak: 0.14 W/kg

D. SAR 1g & 10g

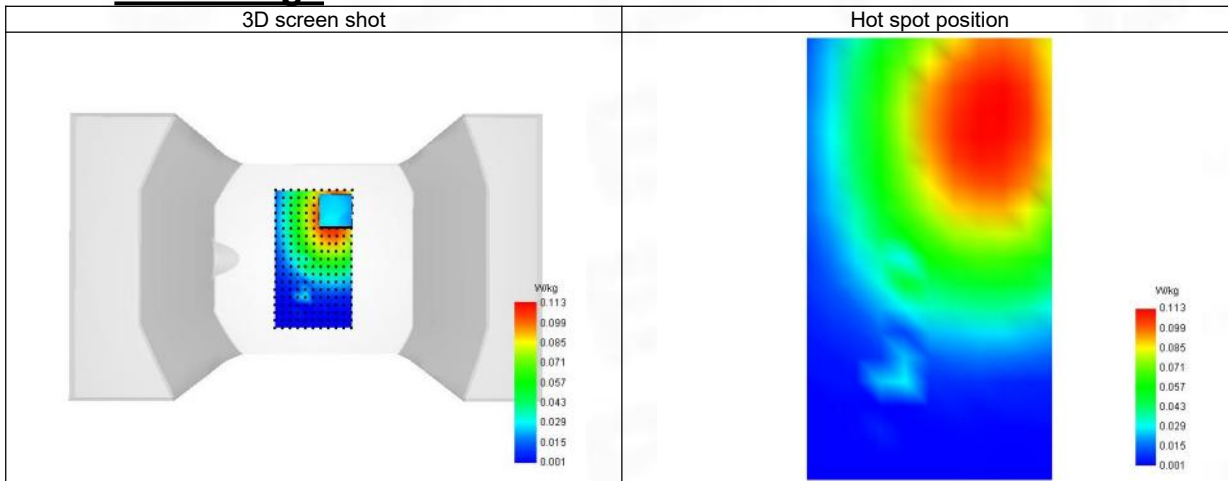
SAR 10g (W/Kg)	0.084
SAR 1g (W/Kg)	0.110
Variation (%)	0.560
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.823599

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.135	0.113	0.090	0.071	0.057	0.046	0.036



F. 3D Image



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

SAR Measurement at LTE band 13 (Cheek, Right)

Date of measurement: 10/12/2025

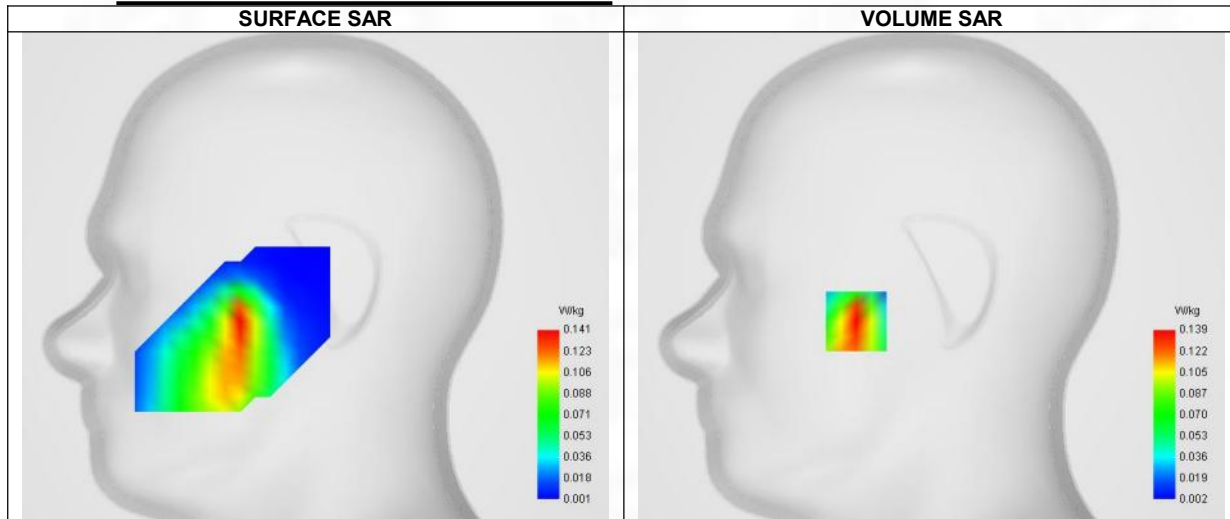
A. Experimental conditions.

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)	41.948
Relative permittivity (imaginary part)	20.630
Conductivity (S/m)	0.920

C. SAR Surface and Volume



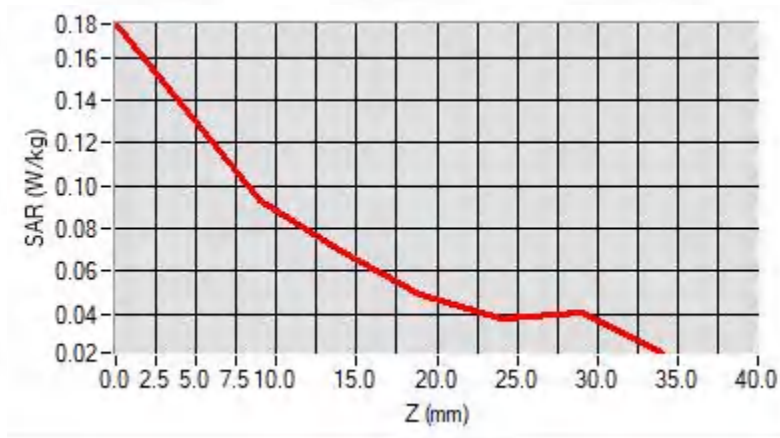
Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.21 W/kg

D. SAR 1g & 10g

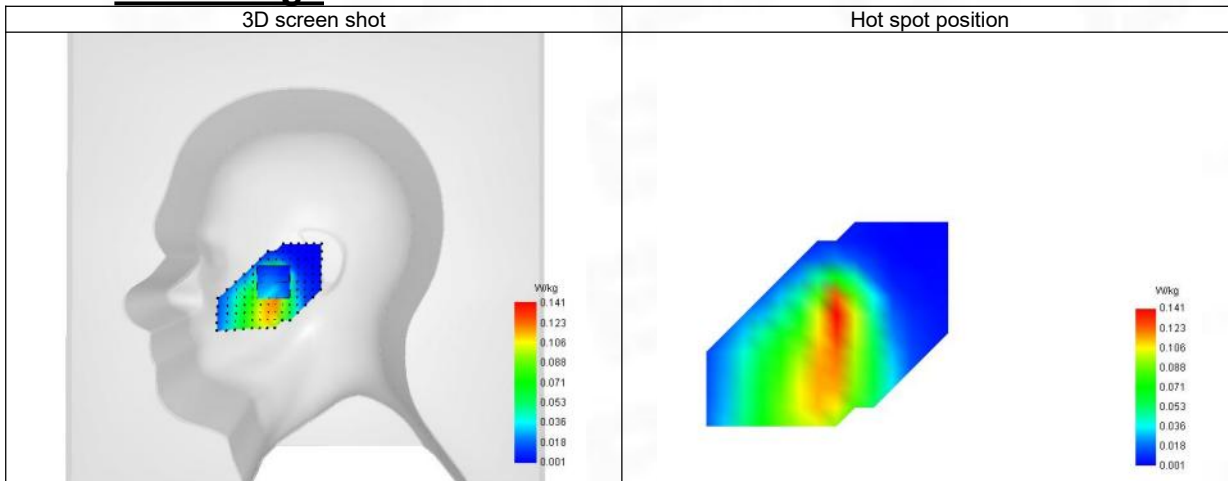
SAR 10g (W/Kg)	0.075
SAR 1g (W/Kg)	0.129
Variation (%)	-1.930
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	66.797547

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.176	0.139	0.093	0.069	0.049	0.038	0.041



F. 3D Image



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

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

Date of measurement: 10/12/2025

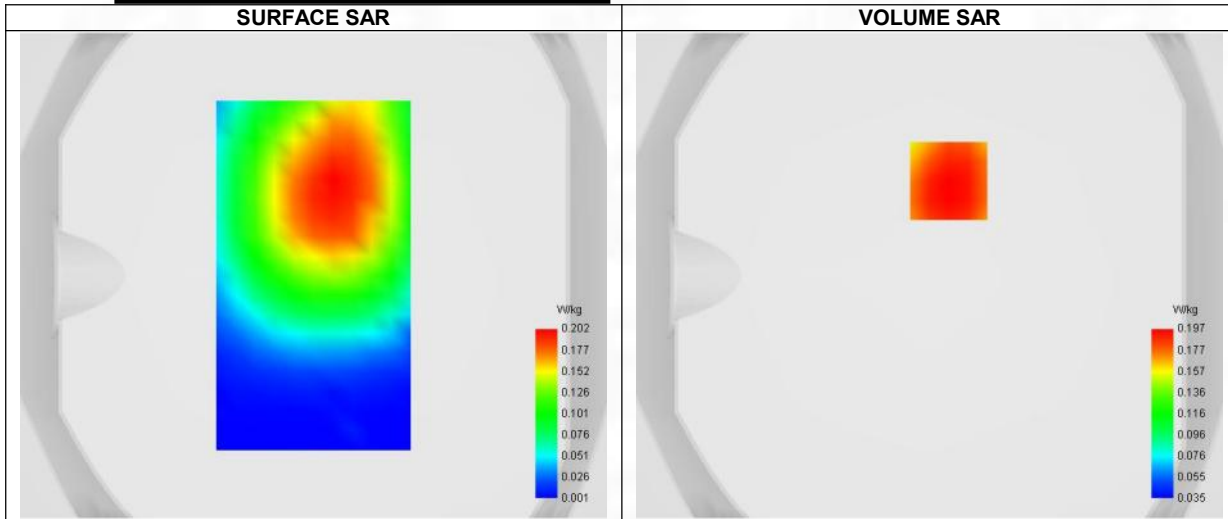
A. Experimental conditions.

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	Higher (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)	41.948
Relative permittivity (imaginary part)	20.630
Conductivity (S/m)	0.920

C. SAR Surface and Volume



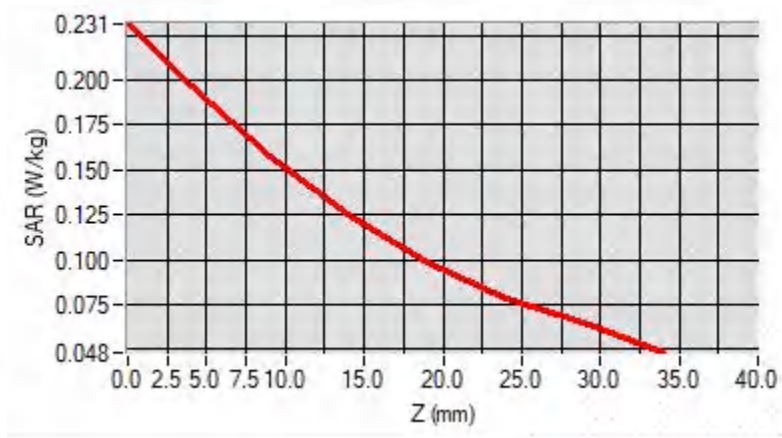
Maximum location: X=8.00, Y=39.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

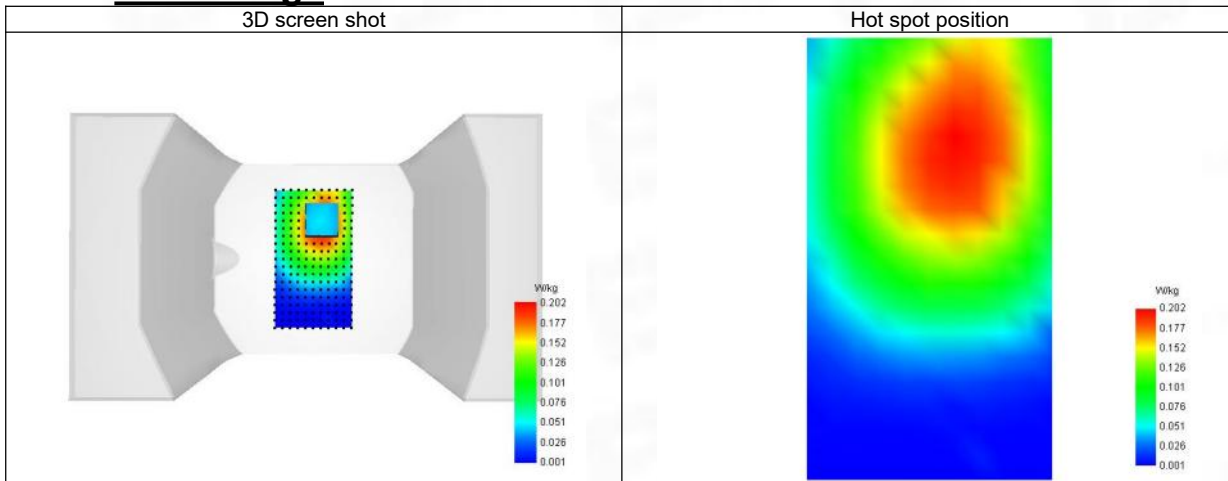
SAR 10g (W/Kg)	0.147
SAR 1g (W/Kg)	0.192
Variation (%)	0.070
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.722305

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.231	0.197	0.157	0.126	0.099	0.079	0.065



F. 3D Image



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

SAR Measurement at LTE band 17 (Cheek, Right)

Date of measurement: 10/12/2025

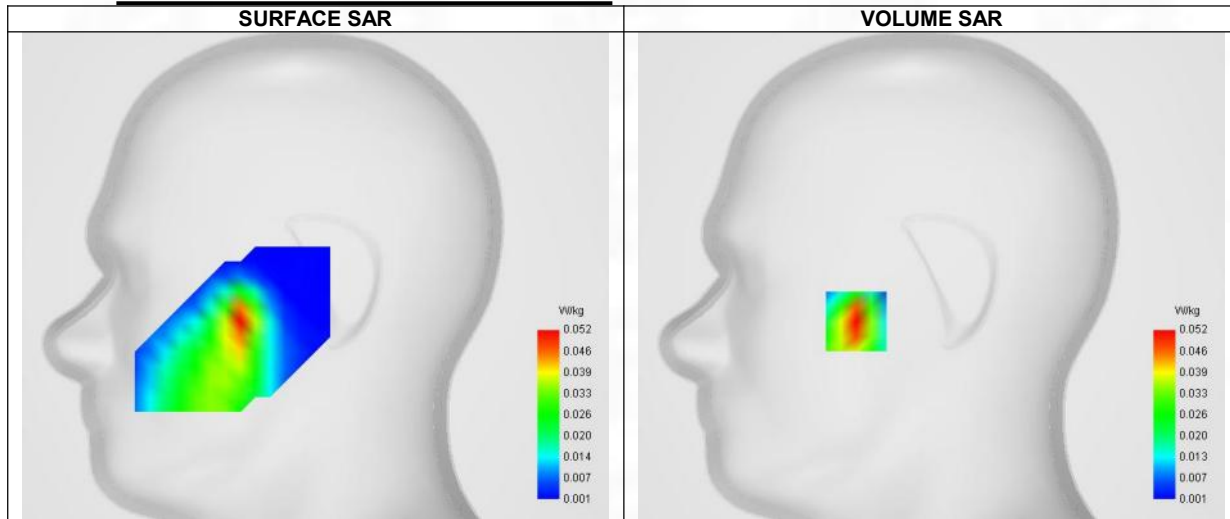
A. Experimental conditions.

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)	42.341
Relative permittivity (imaginary part)	22.277
Conductivity (S/m)	0.904

C. SAR Surface and Volume



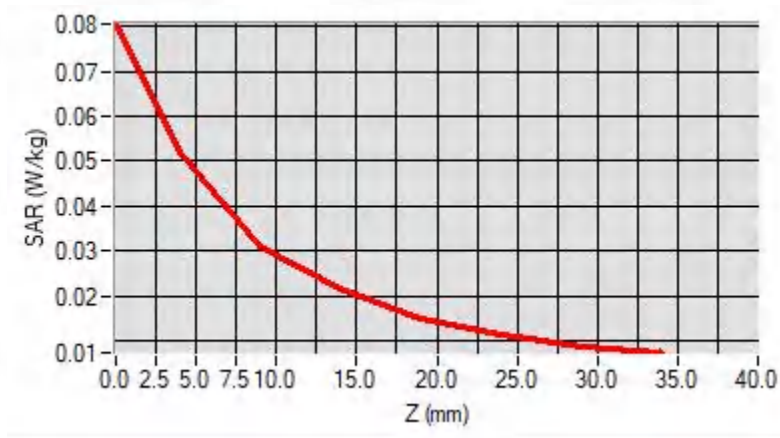
Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.08 W/kg

D. SAR 1g & 10g

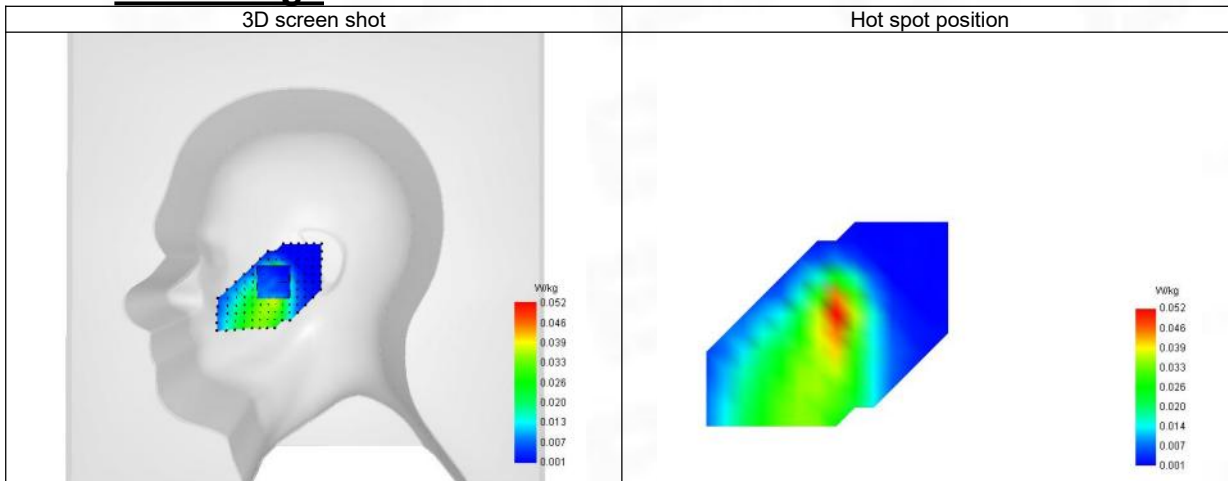
SAR 10g (W/Kg)	0.026
SAR 1g (W/Kg)	0.049
Variation (%)	3.480
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.490774

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.081	0.052	0.031	0.022	0.015	0.011	0.009



F. 3D Image



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

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

Date of measurement: 10/12/2025

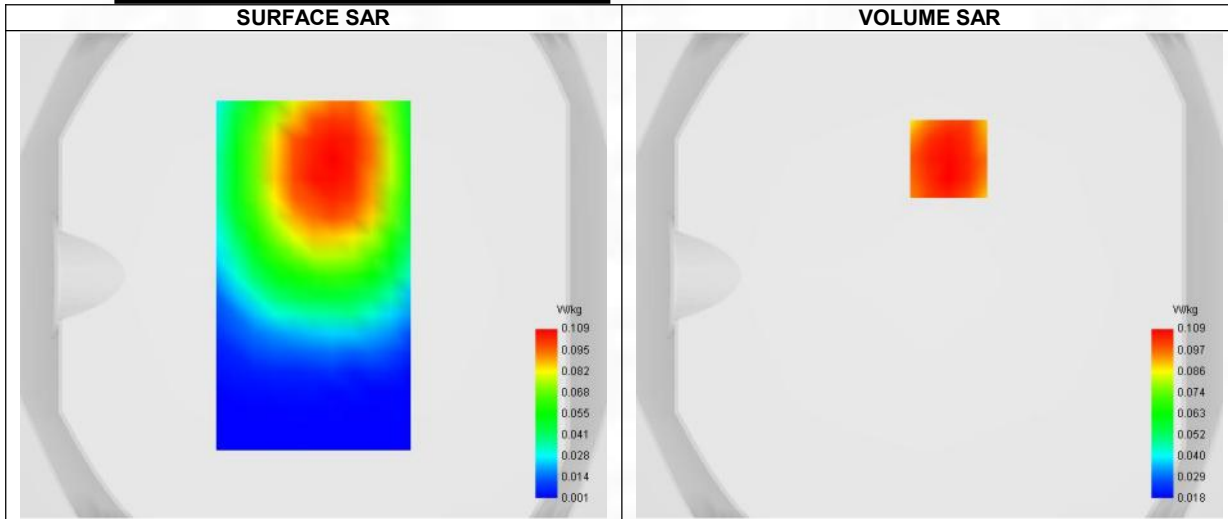
A. Experimental conditions.

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)	42.341
Relative permittivity (imaginary part)	22.277
Conductivity (S/m)	0.904

C. SAR Surface and Volume



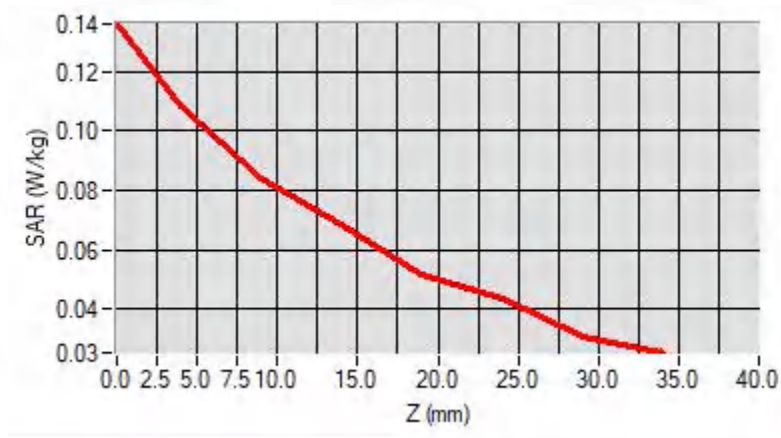
Maximum location: X=8.00, Y=48.00 ; SAR Peak: 0.13 W/kg

D. SAR 1g & 10g

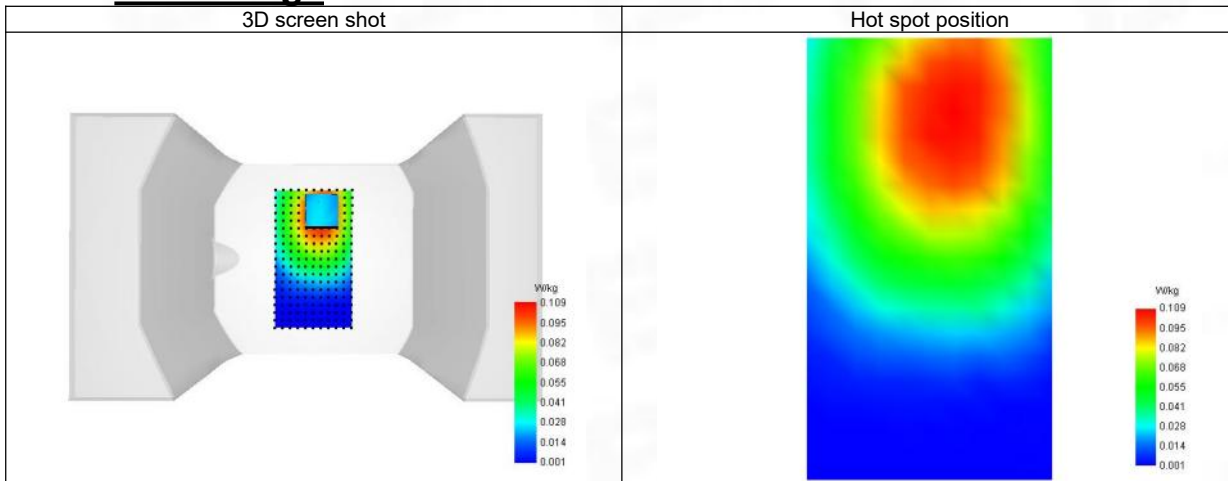
SAR 10g (W/Kg)	0.079
SAR 1g (W/Kg)	0.106
Variation (%)	-1.340
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.527633

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.136	0.109	0.084	0.069	0.051	0.043	0.031



F. 3D Image



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

SAR Measurement at LTE band 25 (Cheek, Right)

Date of measurement: 13/12/2025

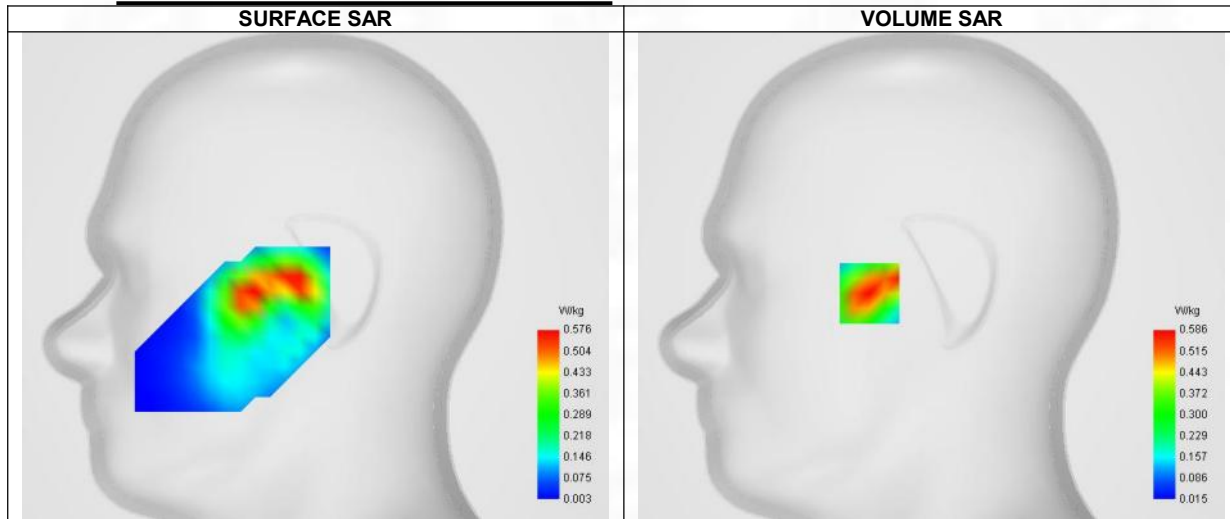
A. Experimental conditions.

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	Higher (26590)/ frequency 1905.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1905.090
Relative permittivity (real part)	39.931
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.434

C. SAR Surface and Volume



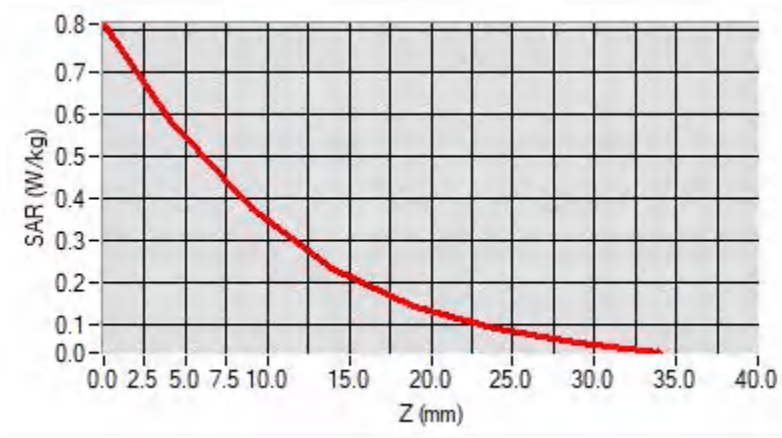
Maximum location: X=-33.00, Y=-9.00 ; SAR Peak: 0.87 W/kg

D. SAR 1g & 10g

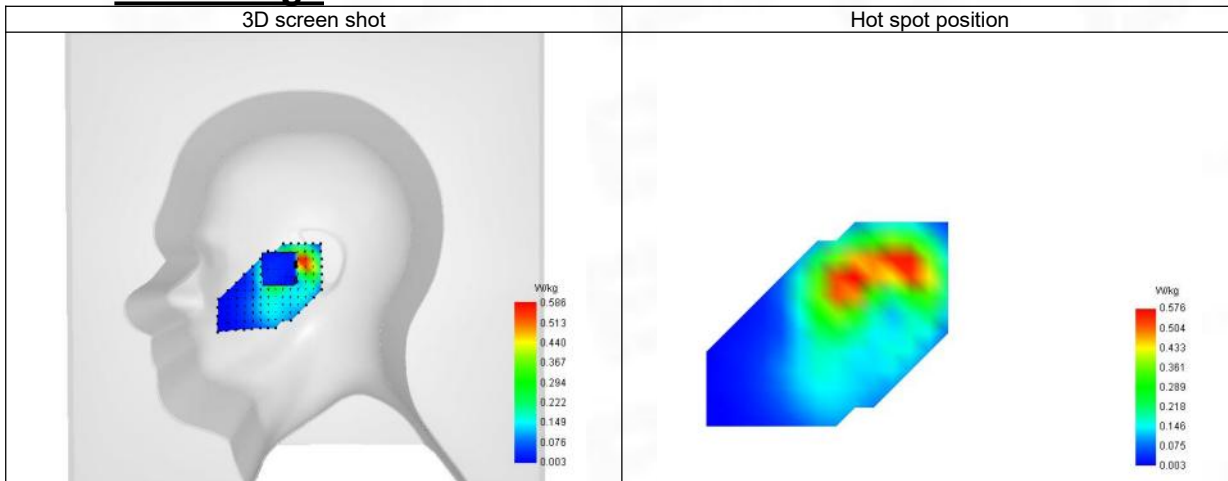
SAR 10g (W/Kg)	0.289
SAR 1g (W/Kg)	0.547
Variation (%)	-0.570
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.405453

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.815	0.586	0.377	0.235	0.144	0.091	0.055



F. 3D Image



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

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

Date of measurement: 13/12/2025

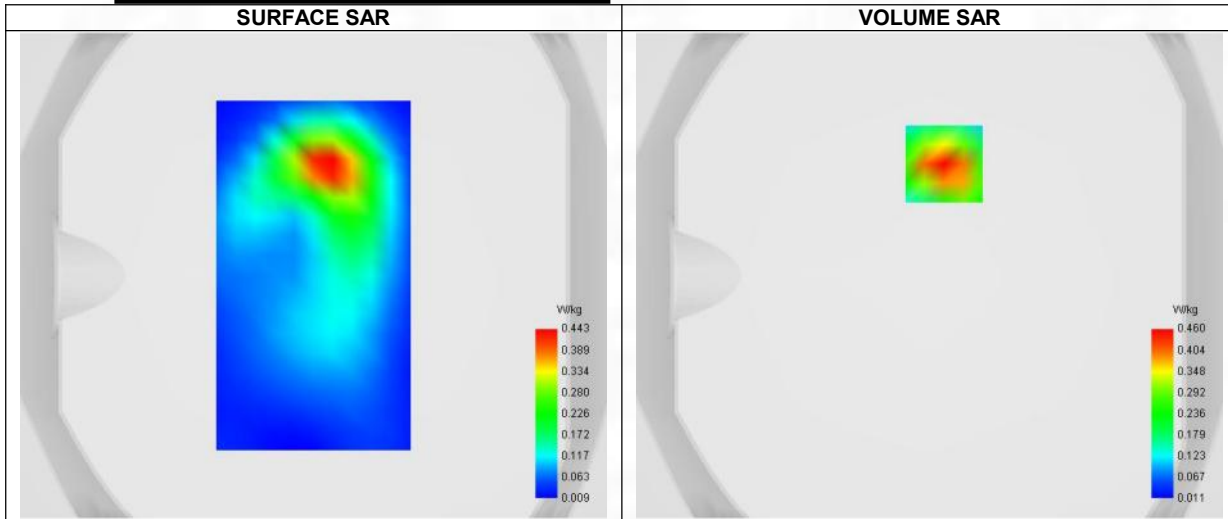
A. Experimental conditions.

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	Higher (26590)/ frequency 1905.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1905.090
Relative permittivity (real part)	39.931
Relative permittivity (imaginary part)	13.633
Conductivity (S/m)	1.434

C. SAR Surface and Volume



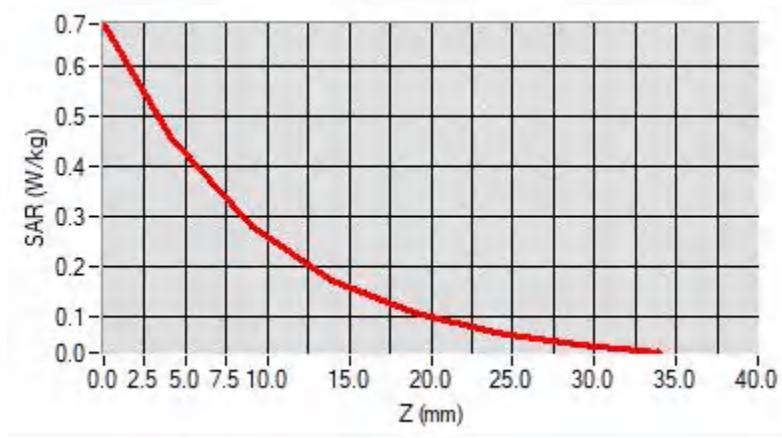
Maximum location: X=6.00, Y=46.00 ; SAR Peak: 0.68 W/kg

D. SAR 1g & 10g

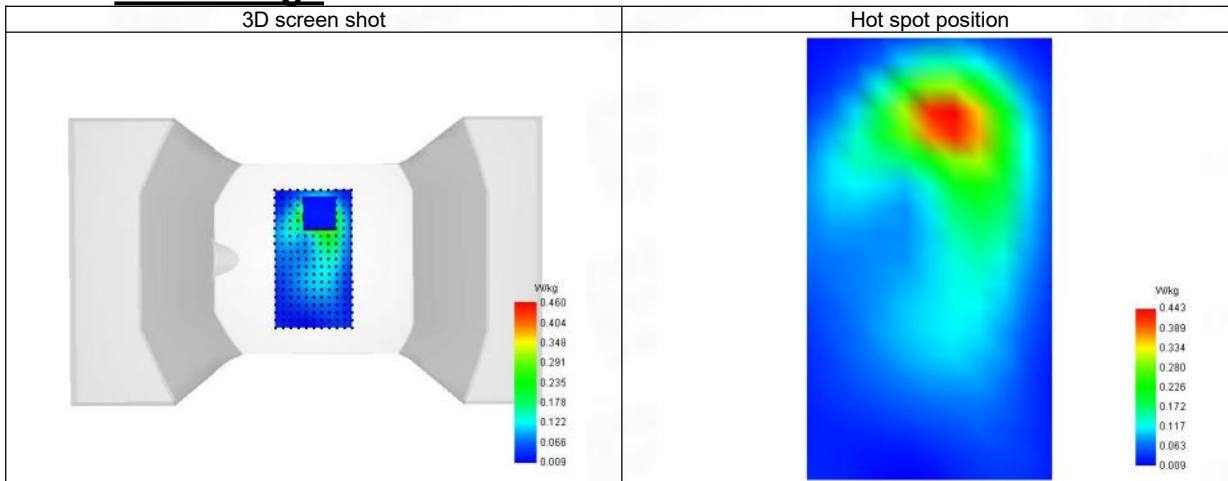
SAR 10g (W/Kg)	0.239
SAR 1g (W/Kg)	0.434
Variation (%)	0.200
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.569208

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.683	0.460	0.279	0.171	0.108	0.065	0.041



F. 3D Image



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

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 11/12/2025

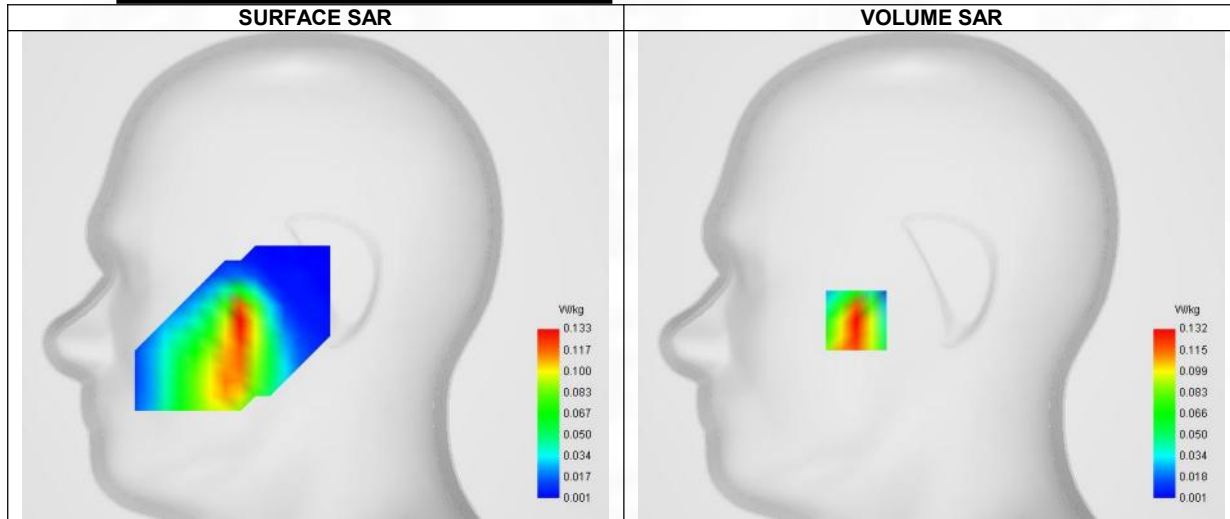
A. Experimental conditions.

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)	41.749
Relative permittivity (imaginary part)	19.796
Conductivity (S/m)	0.928

C. SAR Surface and Volume



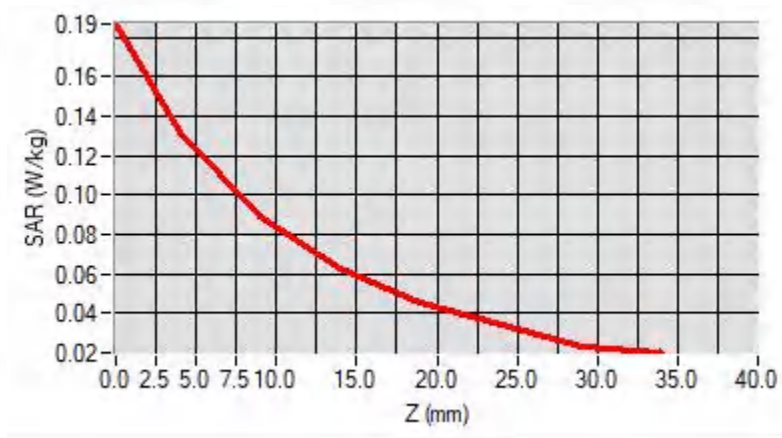
Maximum location: X=-40.00, Y=-24.00 ; SAR Peak: 0.19 W/kg

D. SAR 1g & 10g

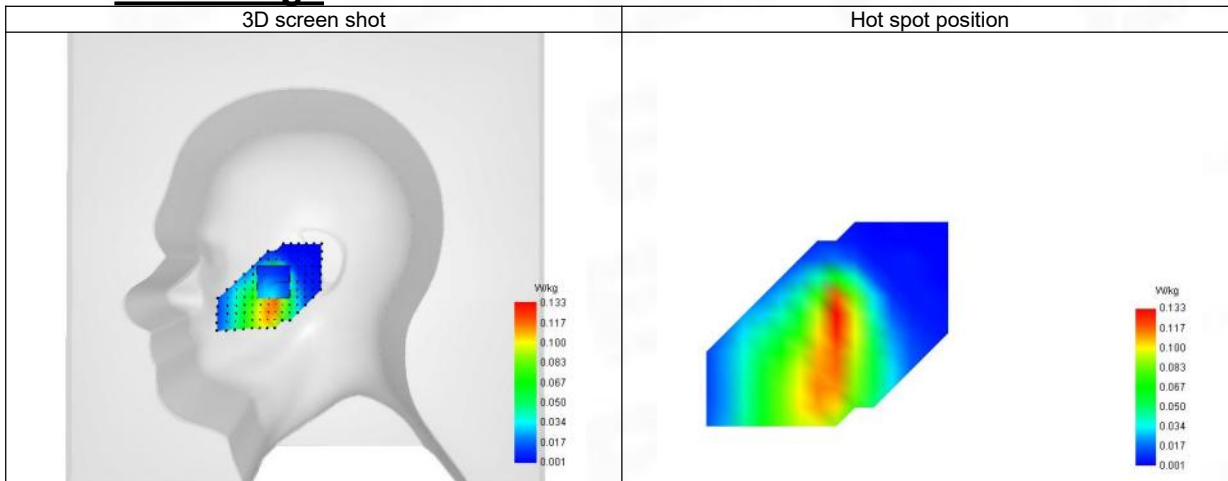
SAR 10g (W/Kg)	0.072
SAR 1g (W/Kg)	0.125
Variation (%)	-0.190
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	67.538496

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.187	0.132	0.089	0.063	0.045	0.035	0.023



F. 3D Image



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

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

Date of measurement: 11/12/2025

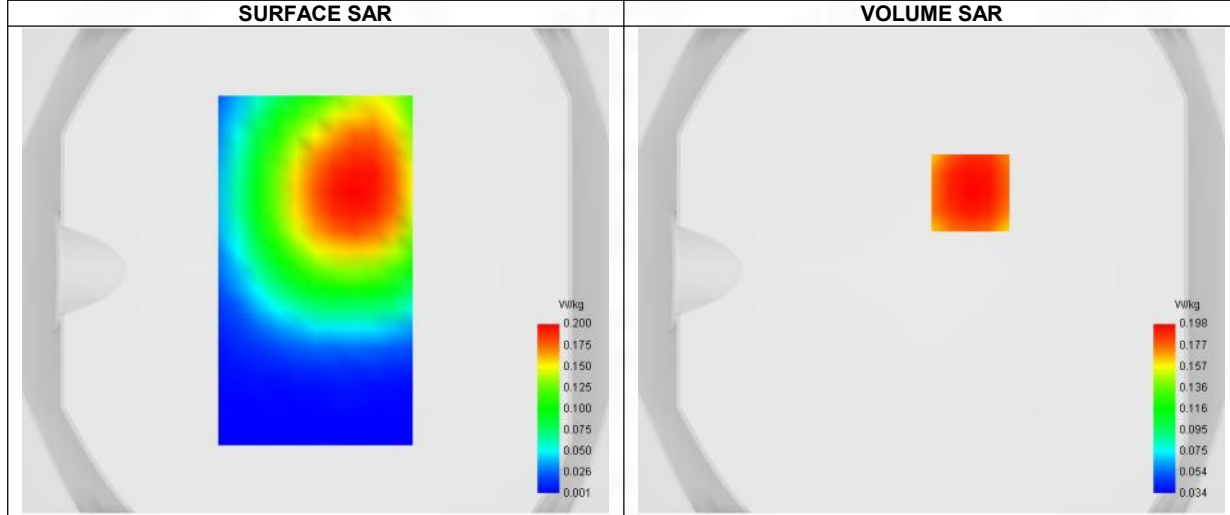
A. Experimental conditions.

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)	41.749
Relative permittivity (imaginary part)	19.796
Conductivity (S/m)	0.928

C. SAR Surface and Volume



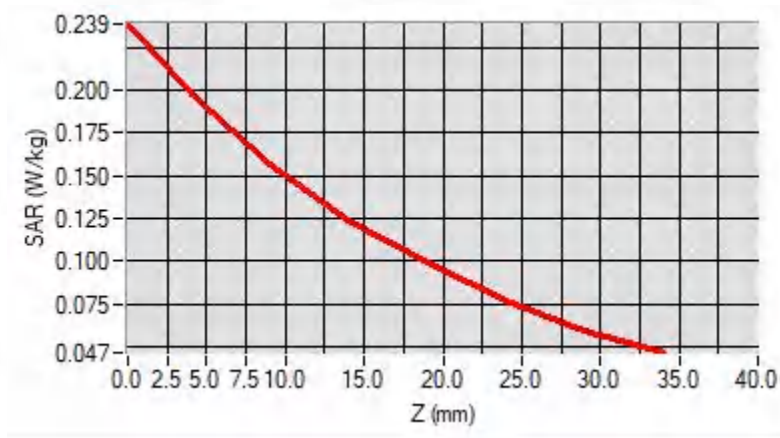
Maximum location: X=16.00, Y=32.00 ; SAR Peak: 0.24 W/kg

D. SAR 1g & 10g

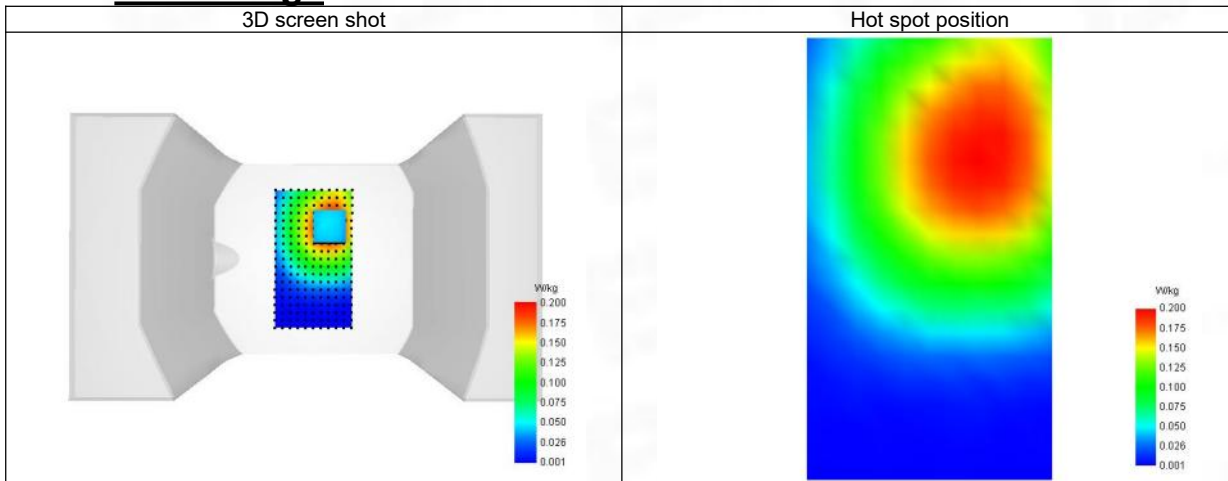
SAR 10g (W/Kg)	0.146
SAR 1g (W/Kg)	0.192
Variation (%)	-2.100
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.408236

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	0.198	0.157	0.124	0.099	0.077	0.060



F. 3D Image



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

SAR Measurement at LTE band 26 (Cheek, Right)

Date of measurement: 11/12/2025

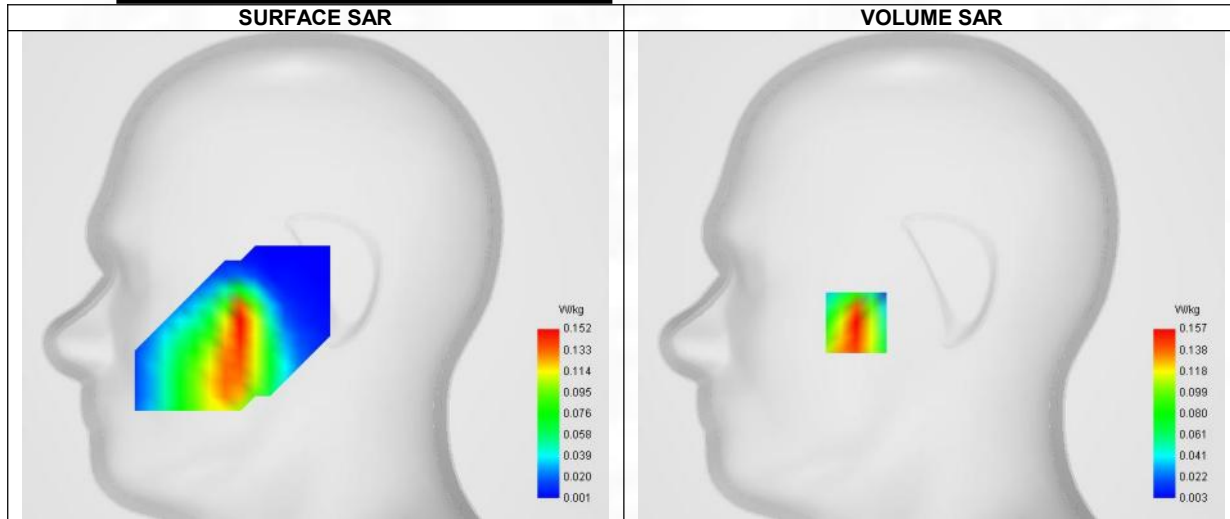
A. Experimental conditions.

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	Middle (26865)/ frequency 831.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	38
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	831.680
Relative permittivity (real part)	41.681
Relative permittivity (imaginary part)	19.512
Conductivity (S/m)	0.931

C. SAR Surface and Volume



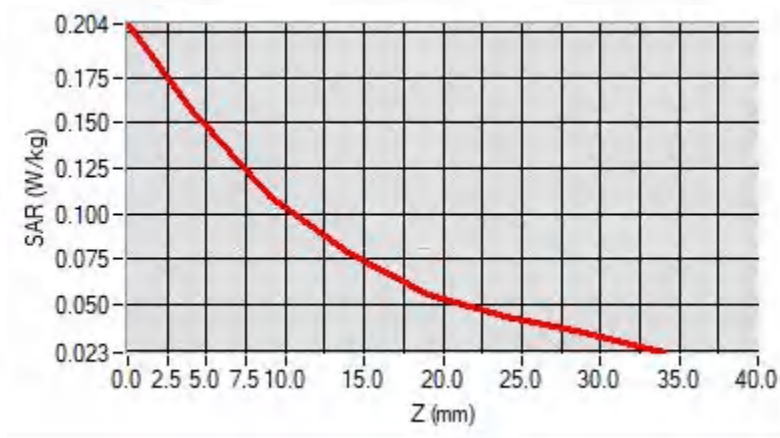
Maximum location: X=-40.00, Y=-25.00 ; SAR Peak: 0.22 W/kg

D. SAR 1g & 10g

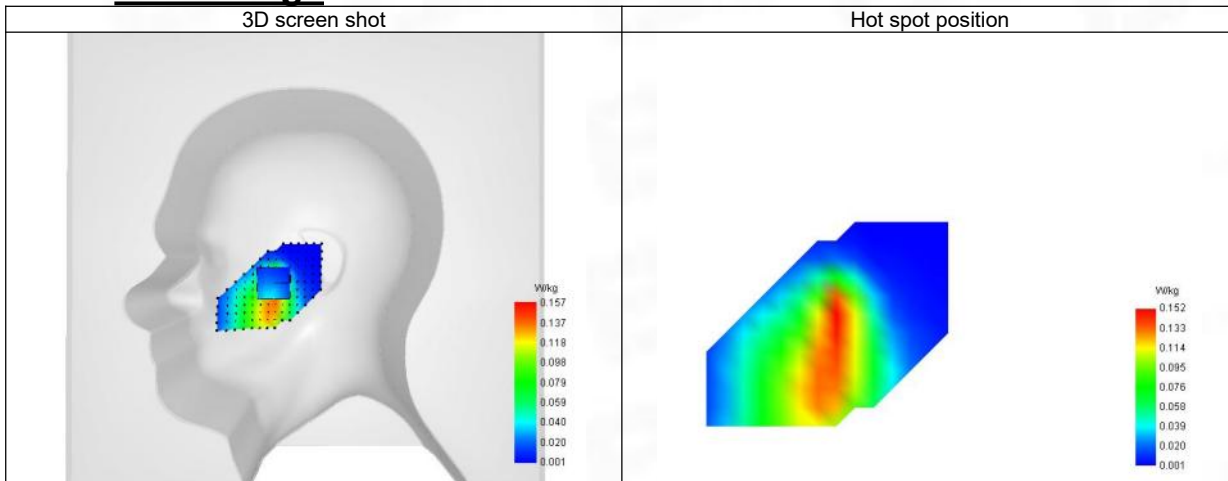
SAR 10g (W/Kg)	0.086
SAR 1g (W/Kg)	0.147
Variation (%)	1.110
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	69.966780

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.204	0.157	0.110	0.078	0.055	0.043	0.034



F. 3D Image



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

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

Date of measurement: 11/12/2025

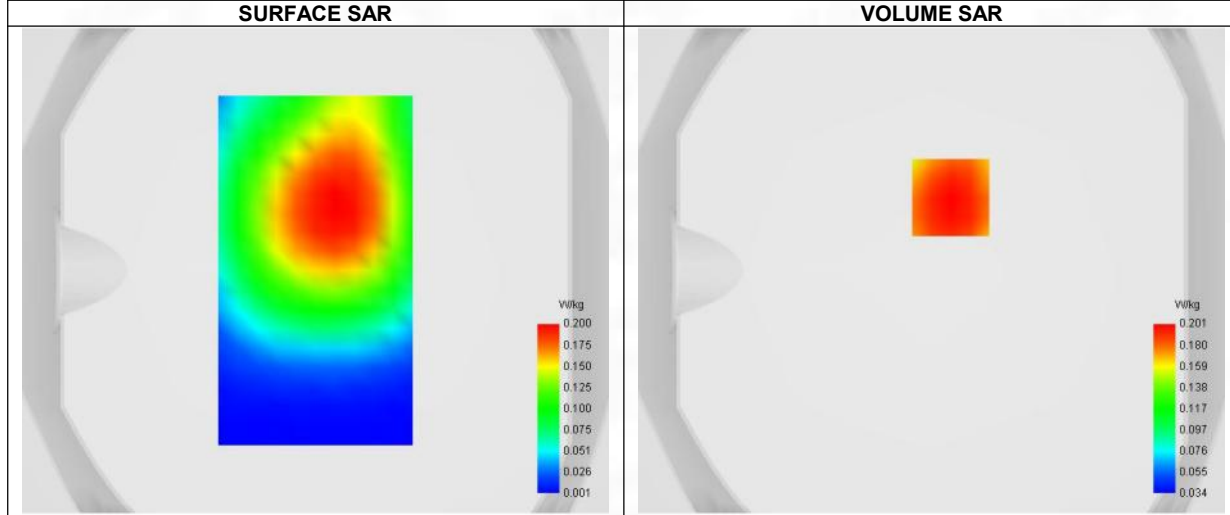
A. Experimental conditions.

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	Middle (26865)/ frequency 831.500 Mhz
Signal	LTE FDD
Cell Bandwidth	15 Mhz
Modulation	SC-OFDM - QPSK
RB offset	38
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	831.680
Relative permittivity (real part)	41.681
Relative permittivity (imaginary part)	19.512
Conductivity (S/m)	0.931

C. SAR Surface and Volume



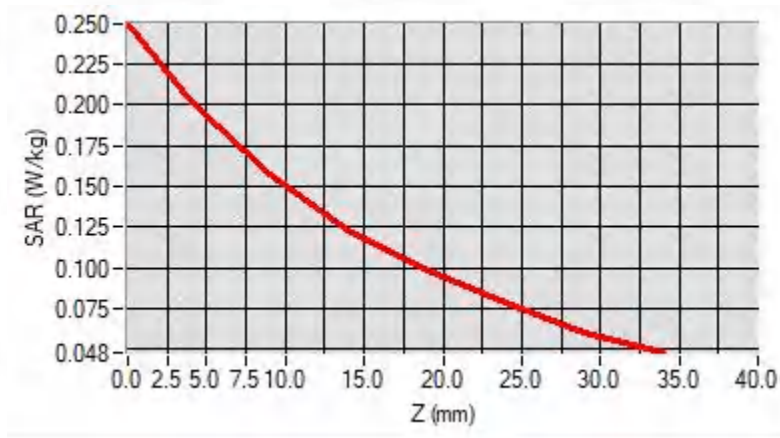
Maximum location: X=8.00, Y=30.00 ; SAR Peak: 0.25 W/kg

D. SAR 1g & 10g

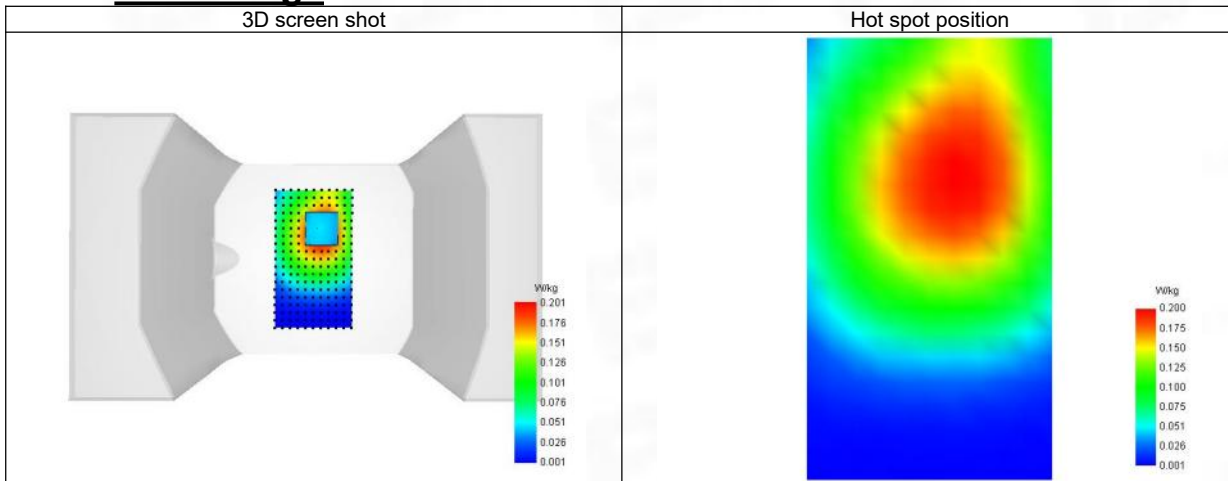
SAR 10g (W/Kg)	0.147
SAR 1g (W/Kg)	0.196
Variation (%)	-3.410
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	78.063327

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.250	0.201	0.157	0.123	0.098	0.078	0.060



F. 3D Image



31-Head with front position in dist. 0mm on Channel 27710 in LTE band 30

SAR Measurement at LTE band 30 (Cheek, Right)

Date of measurement: 14/12/2025

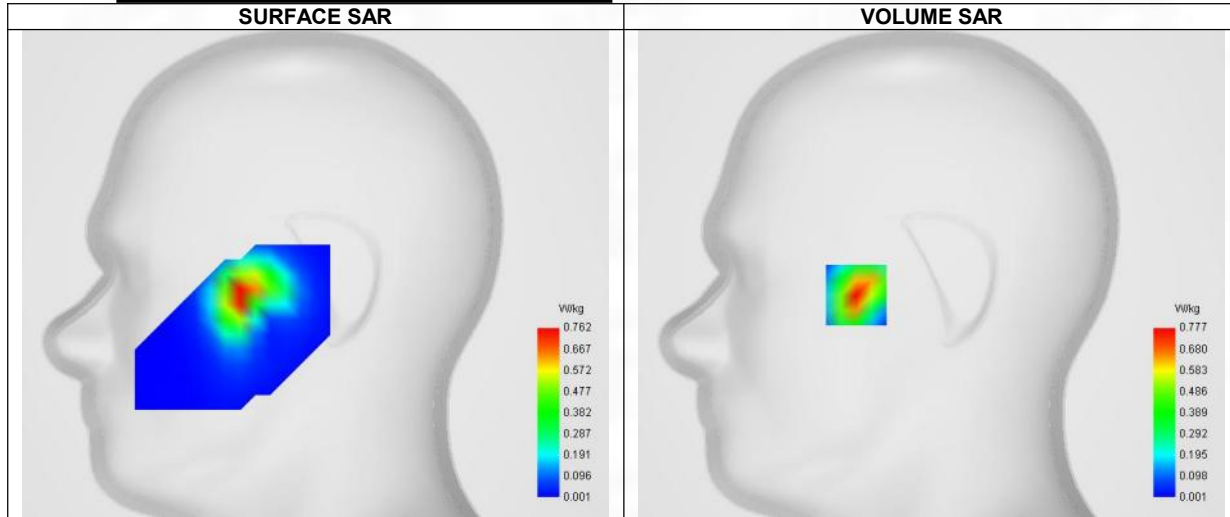
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.38
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 30
Channels/Frequency	Middle (27710)/ frequency 2310.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2310.090
Relative permittivity (real part)	39.009
Relative permittivity (imaginary part)	13.646
Conductivity (S/m)	1.686

C. SAR Surface and Volume



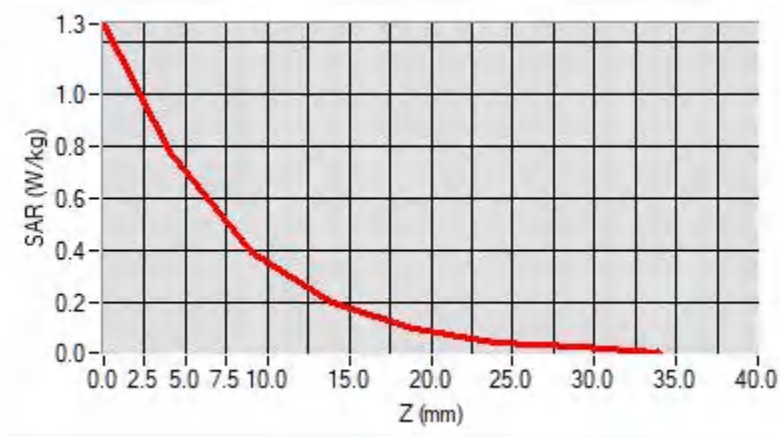
Maximum location: X=-40.00, Y=-11.00 ; SAR Peak: 1.26 W/kg

D. SAR 1g & 10g

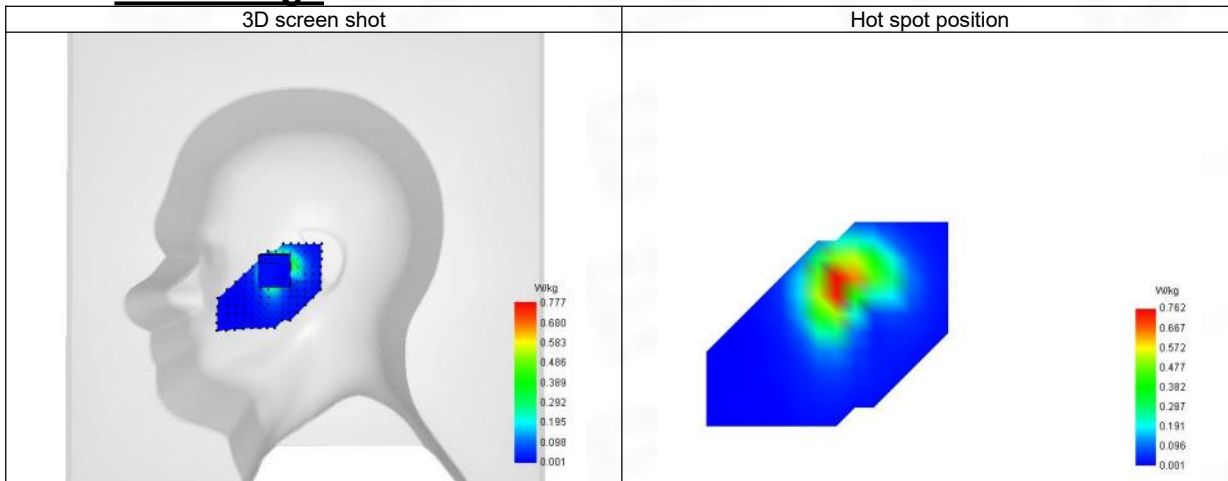
SAR 10g (W/Kg)	0.330
SAR 1g (W/Kg)	0.714
Variation (%)	1.280
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	50.869799

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.270	0.777	0.395	0.204	0.103	0.051	0.031



F. 3D Image



32-Body with back position in dist. 10mm on Channel 27710 in LTE band 30

SAR Measurement at LTE band 30 (Body, Validation Plane)

Date of measurement: 14/12/2025

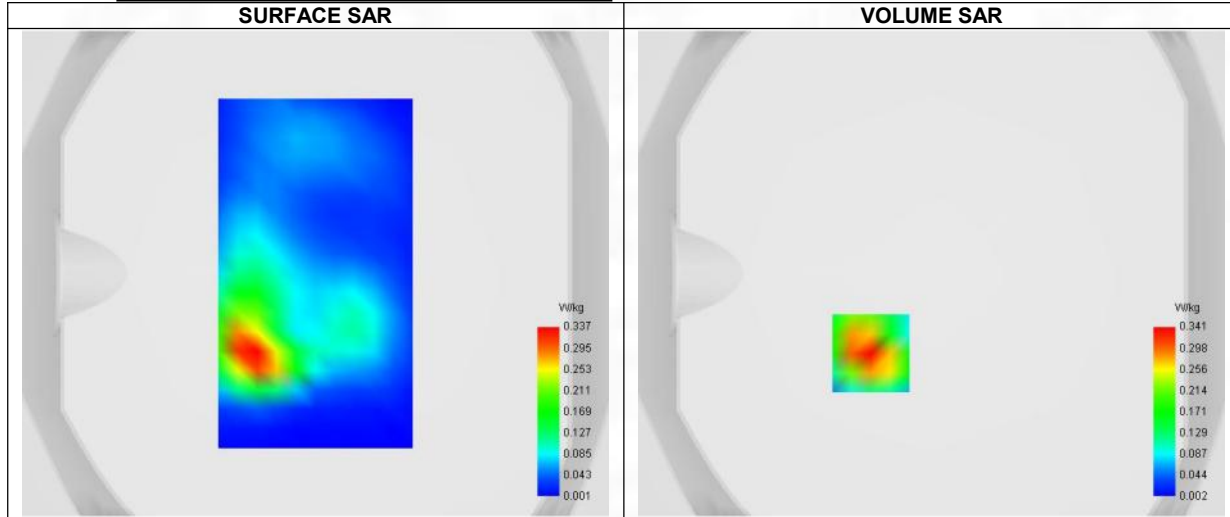
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.38
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 30
Channels/Frequency	Lower (27710)/ frequency 2310.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	25
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	2310.090
Relative permittivity (real part)	39.009
Relative permittivity (imaginary part)	13.646
Conductivity (S/m)	1.686

C. SAR Surface and Volume

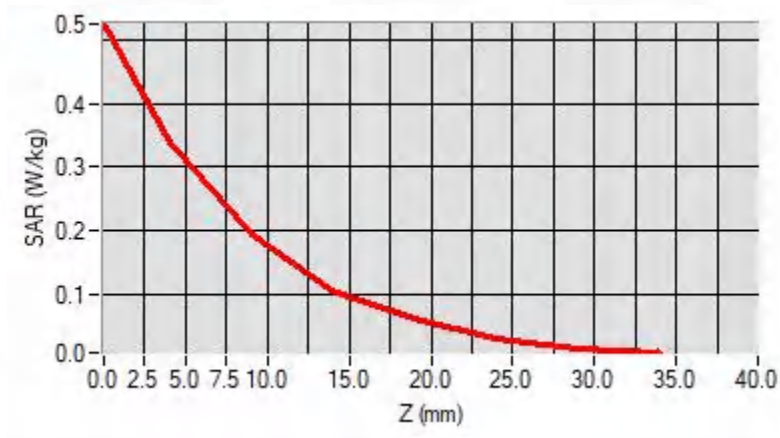


D. SAR 1g & 10g

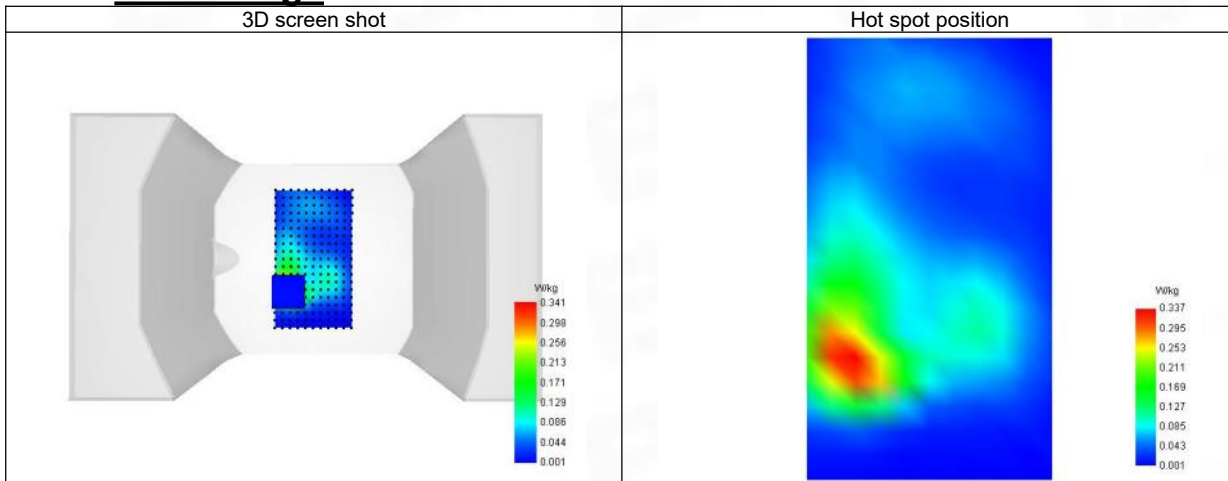
SAR 10g (W/Kg)	0.163
SAR 1g (W/Kg)	0.324
Variation (%)	-0.560
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	56.595191

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.526	0.341	0.193	0.107	0.060	0.031	0.015



F. 3D Image



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

SAR Measurement at LTE band 38 (Cheek, Right)

Date of measurement: 16/12/2025

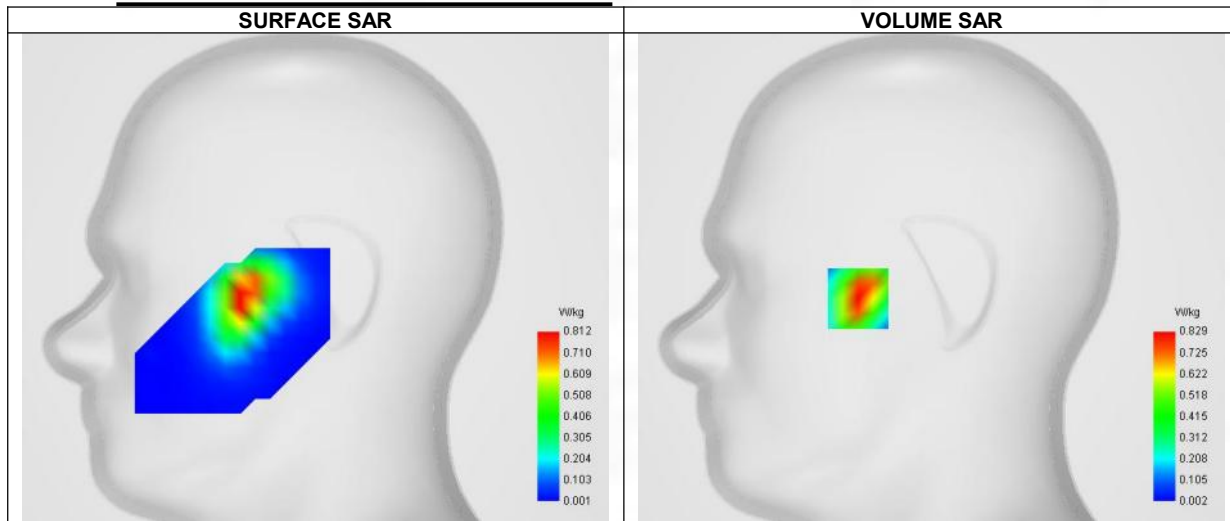
A. Experimental conditions.

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	Middle (38000)/ frequency 2595.000 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)	2595.090
Relative permittivity (real part)	38.411
Relative permittivity (imaginary part)	12.392
Conductivity (S/m)	1.898

C. SAR Surface and Volume



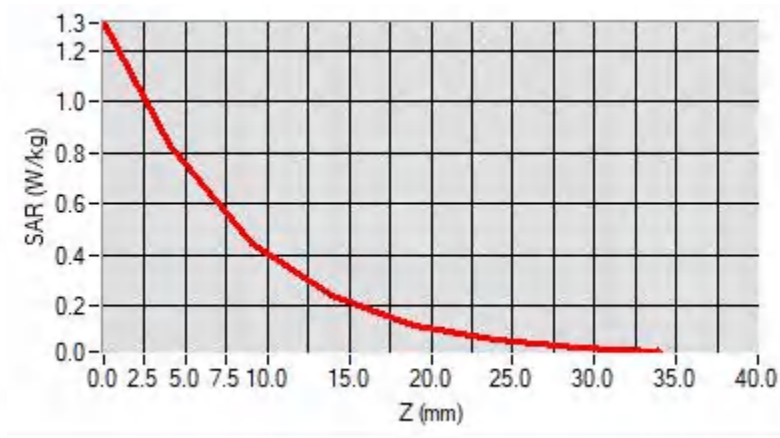
Maximum location: X=-39.00, Y=-11.00 ; SAR Peak: 1.34 W/kg

D. SAR 1g & 10g

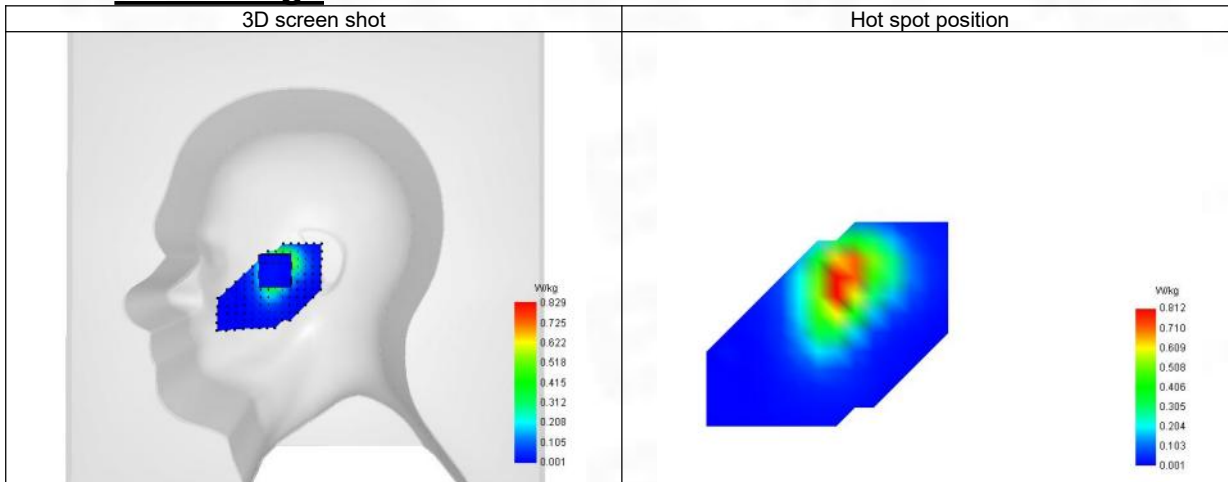
SAR 10g (W/Kg)	0.379
SAR 1g (W/Kg)	0.752
Variation (%)	0.320
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	53.931119

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.306	0.829	0.447	0.240	0.119	0.065	0.033



F. 3D Image



34-Body with back position in dist. 10mm on Channel 38000 in LTE band 38

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

Date of measurement: 16/12/2025

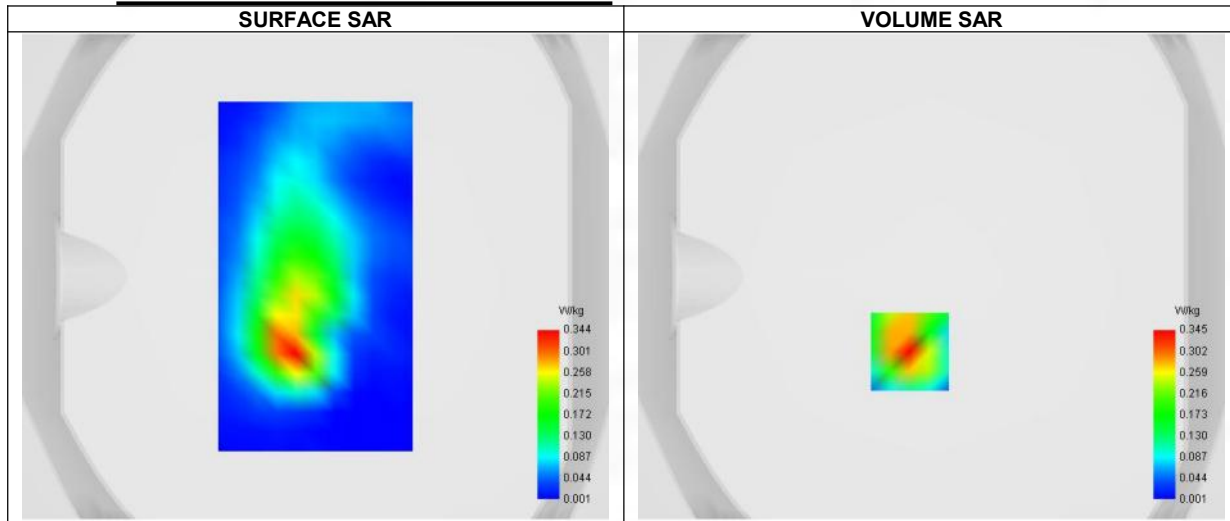
A. Experimental conditions.

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	Middle (38000)/ frequency 2595.000 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)	2595.090
Relative permittivity (real part)	38.411
Relative permittivity (imaginary part)	12.392
Conductivity (S/m)	1.898

C. SAR Surface and Volume



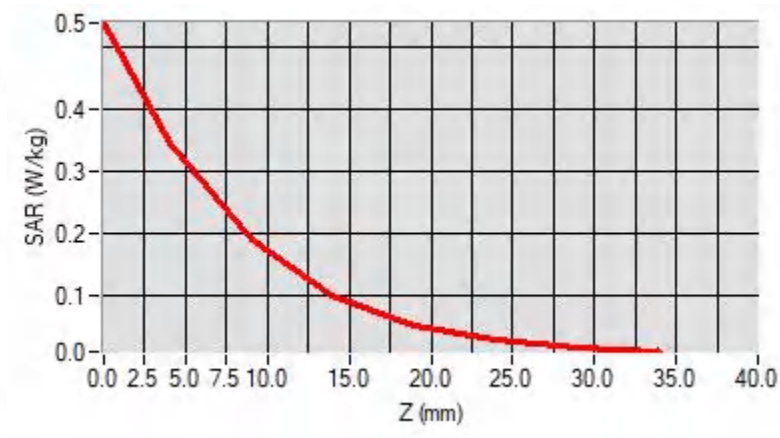
Maximum location: X=-9.00, Y=-31.00 ; SAR Peak: 0.54 W/kg

D. SAR 1g & 10g

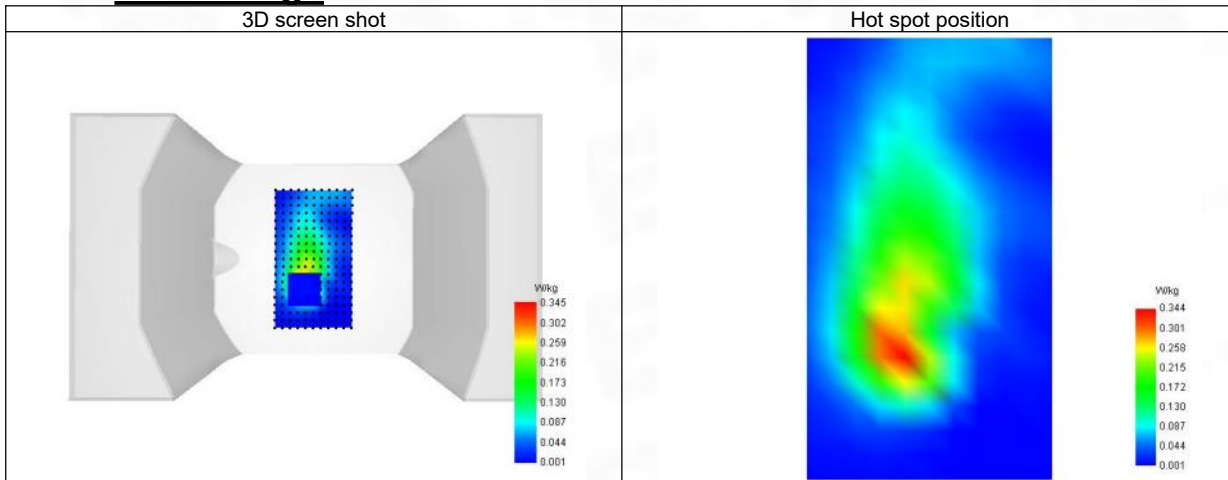
SAR 10g (W/Kg)	0.153
SAR 1g (W/Kg)	0.317
Variation (%)	0.960
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	54.729774

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.540	0.345	0.189	0.098	0.052	0.028	0.016



F. 3D Image



35-Head with front position in dist. 0mm on Channel 40620 in LTE band 41

SAR Measurement at LTE band 41 (Cheek, Right)

Date of measurement: 16/12/2025

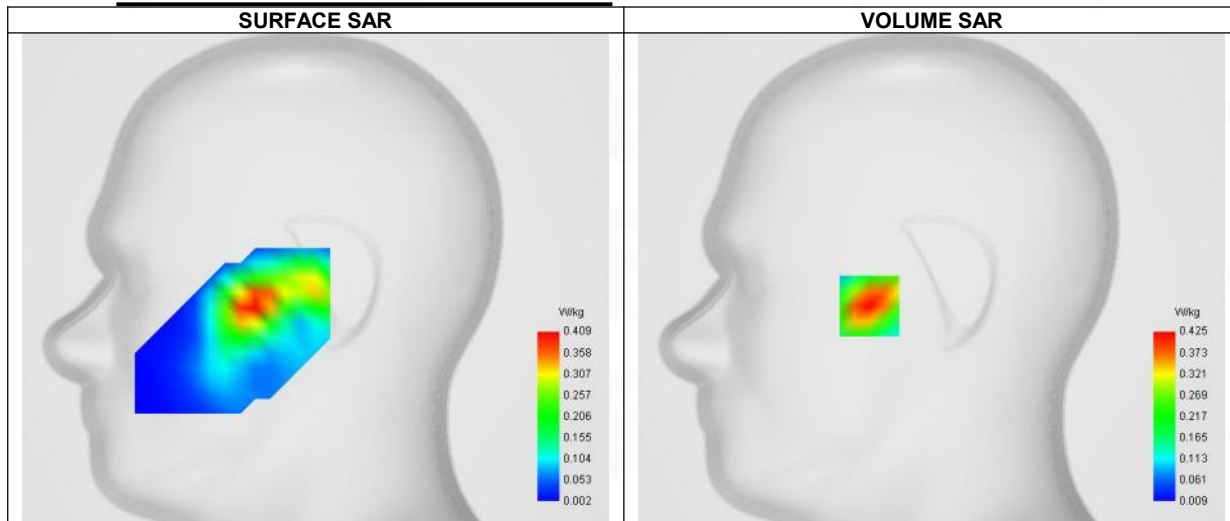
A. Experimental conditions.

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	Middle (40620)/ frequency 2593.000 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)	2593.090
Relative permittivity (real part)	38.415
Relative permittivity (imaginary part)	12.409
Conductivity (S/m)	1.896

C. SAR Surface and Volume



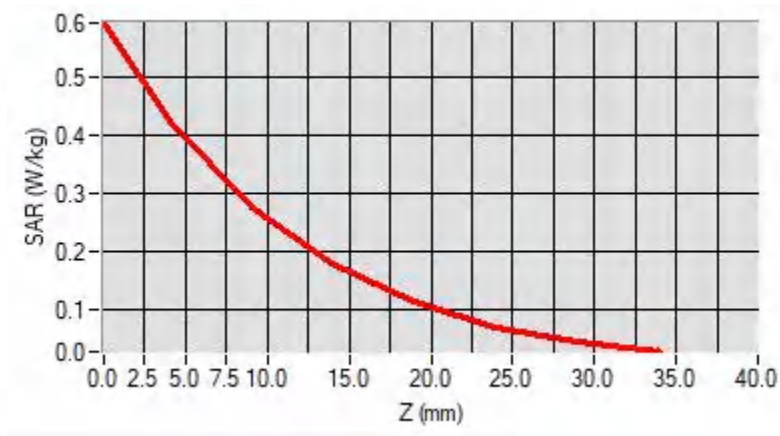
Maximum location: X=-33.00, Y=-15.00 ; SAR Peak: 0.60 W/kg

D. SAR 1g & 10g

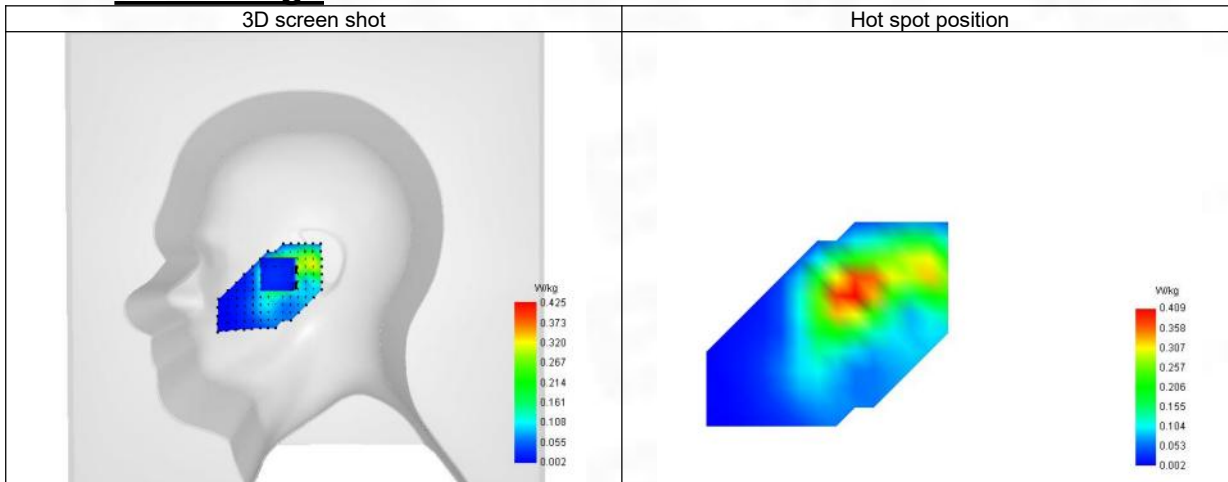
SAR 10g (W/Kg)	0.229
SAR 1g (W/Kg)	0.402
Variation (%)	-0.230
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	64.683974

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.594	0.425	0.275	0.180	0.114	0.071	0.046



F. 3D Image



36-Body with back position in dist. 10mm on Channel 40620 in LTE band 41

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

Date of measurement: 16/12/2025

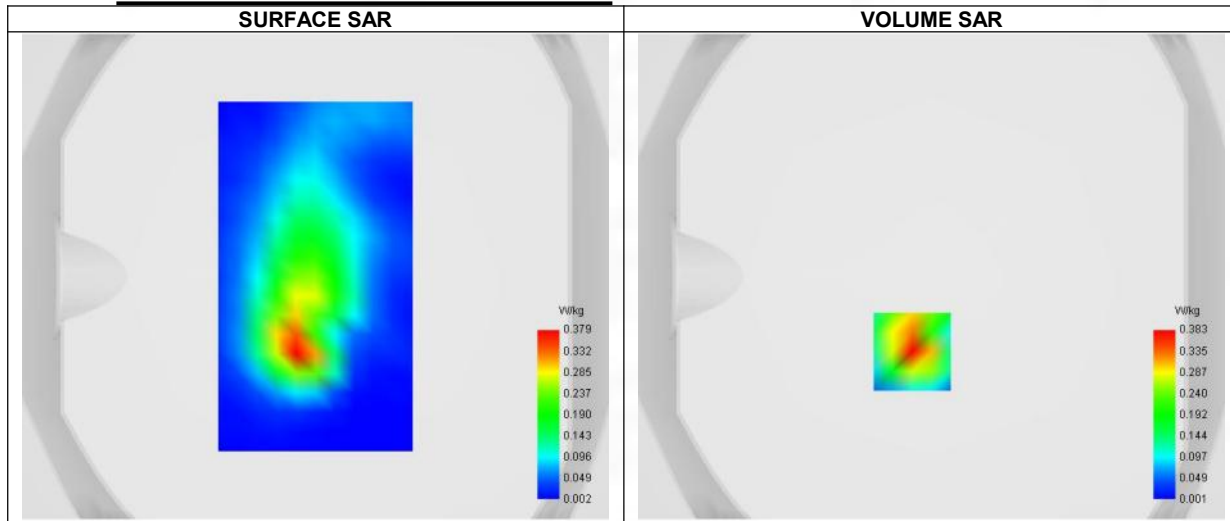
A. Experimental conditions.

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	Middle (40640)/ frequency 2595.000 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)	2595.090
Relative permittivity (real part)	38.415
Relative permittivity (imaginary part)	12.409
Conductivity (S/m)	1.896

C. SAR Surface and Volume



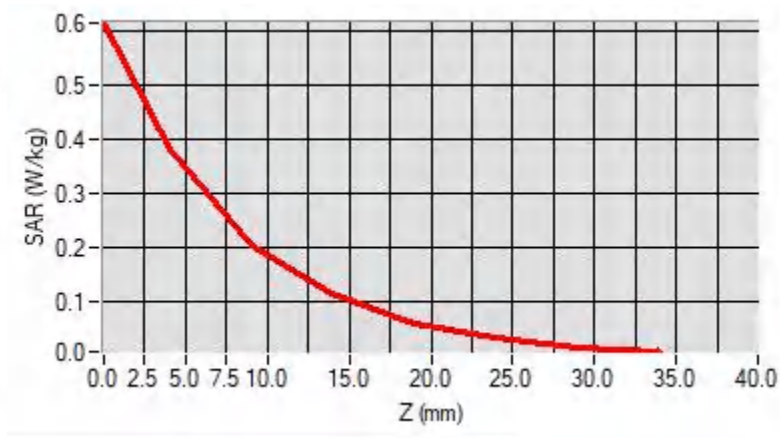
Maximum location: X=-8.00, Y=-31.00 ; SAR Peak: 0.61 W/kg

D. SAR 1g & 10g

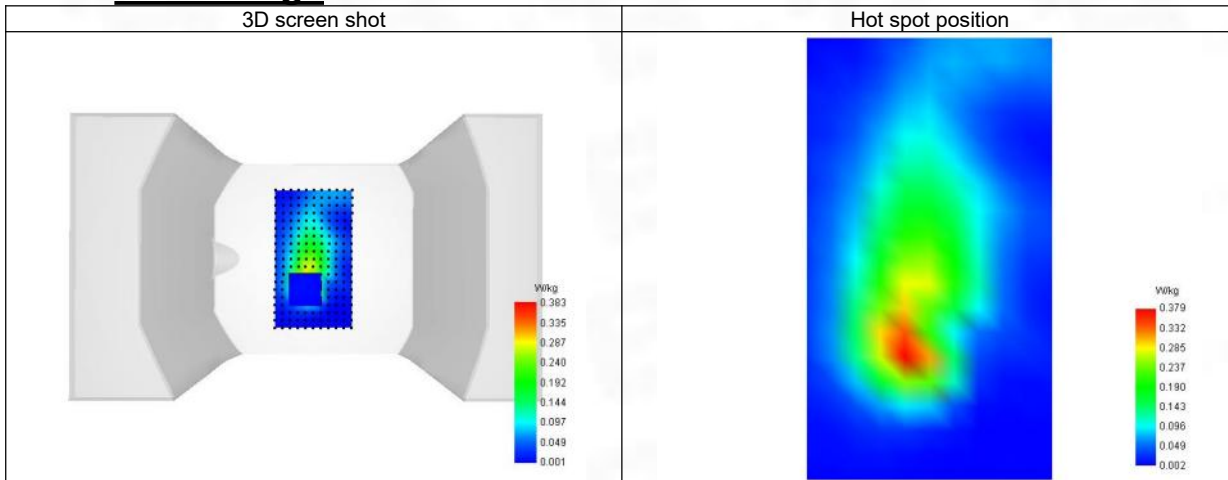
SAR 10g (W/Kg)	0.168
SAR 1g (W/Kg)	0.350
Variation (%)	-1.070
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.788253

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.616	0.383	0.202	0.112	0.057	0.031	0.014



F. 3D Image



37-Head with front position in dist. 0mm on Channel 132572 in LTE band 66

SAR Measurement at LTE band 66 (Cheek, Right)

Date of measurement: 12/12/2025

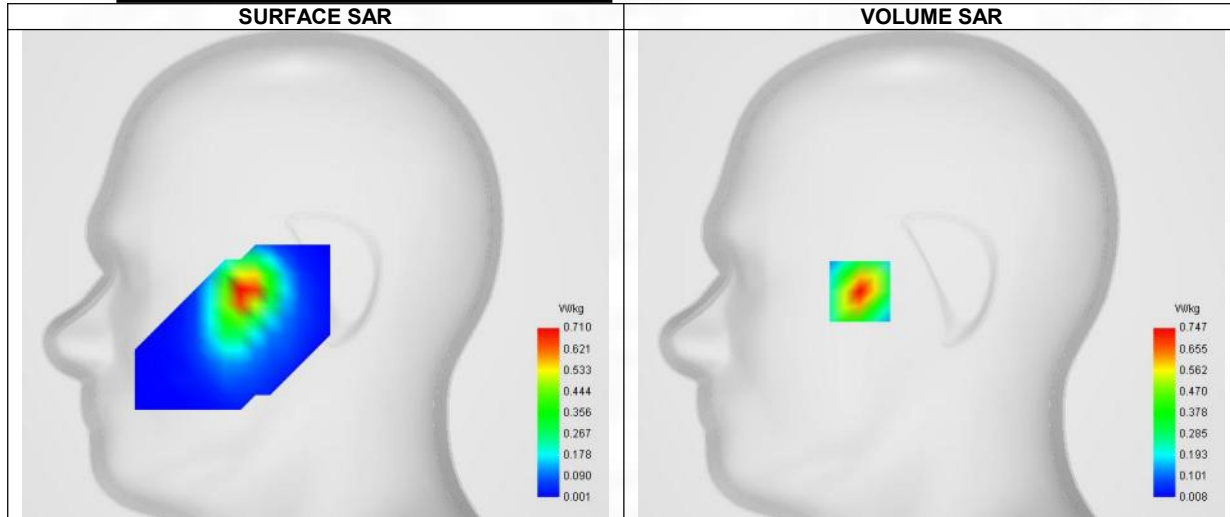
A. Experimental conditions.

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	Higher (132572)/ frequency 1770.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1770.090
Relative permittivity (real part)	40.082
Relative permittivity (imaginary part)	14.801
Conductivity (S/m)	1.377

C. SAR Surface and Volume



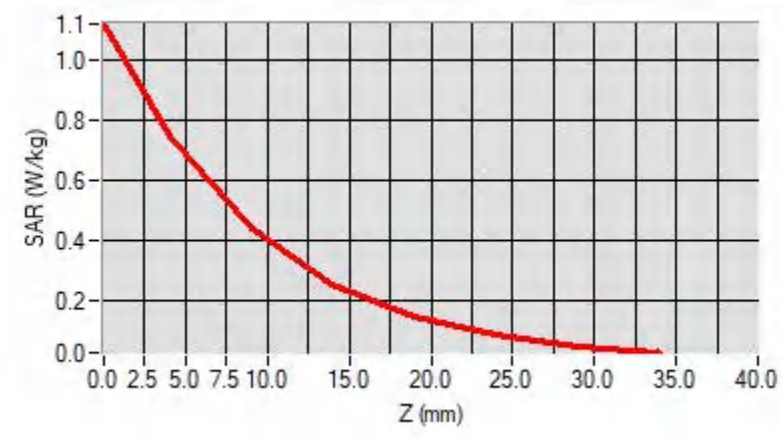
Maximum location: X=-38.00, Y=-9.00 ; SAR Peak: 1.13 W/kg

D. SAR 1g & 10g

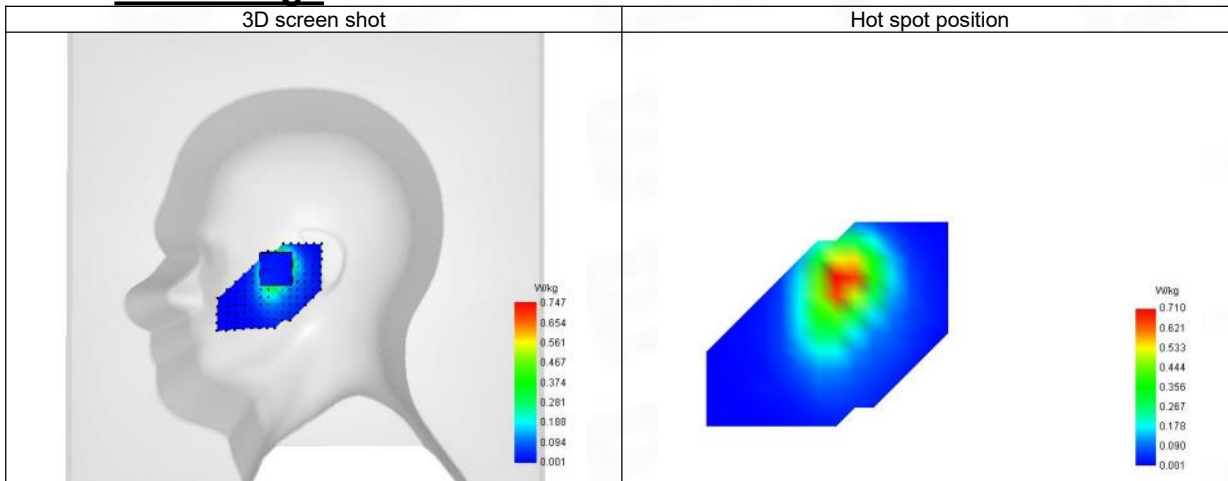
SAR 10g (W/Kg)	0.355
SAR 1g (W/Kg)	0.685
Variation (%)	-1.430
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.899218

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.118	0.747	0.440	0.253	0.146	0.087	0.049



F. 3D Image



38-Body with back position in dist. 10mm on Channel 132572 in LTE band 66

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

Date of measurement: 12/12/2025

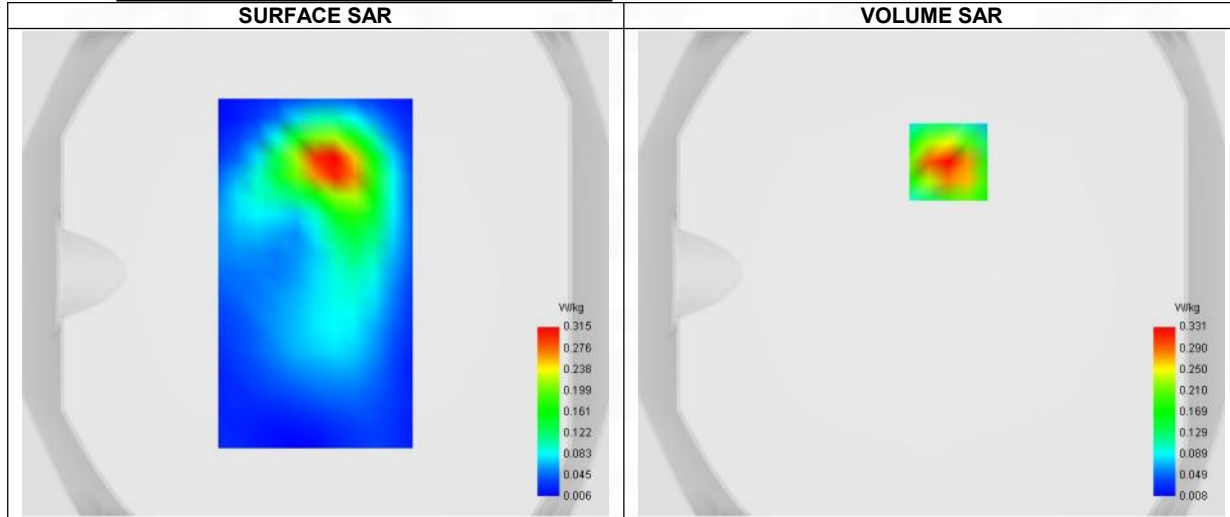
A. Experimental conditions.

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	Higher (132572)/ frequency 1770.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1770.090
Relative permittivity (real part)	40.082
Relative permittivity (imaginary part)	14.801
Conductivity (S/m)	1.377

C. SAR Surface and Volume

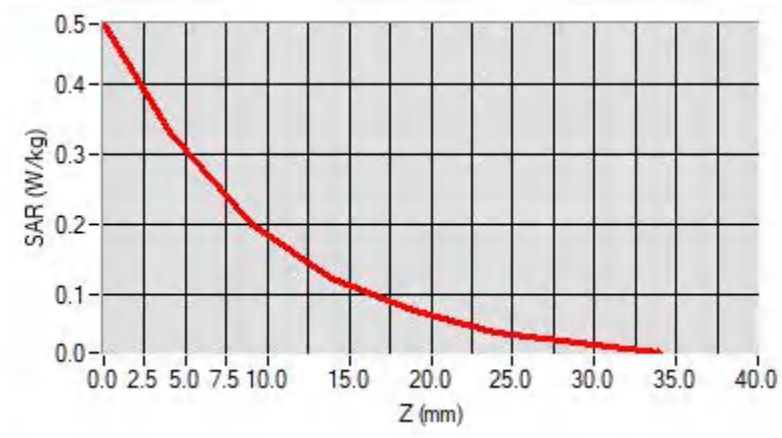


D. SAR 1g & 10g

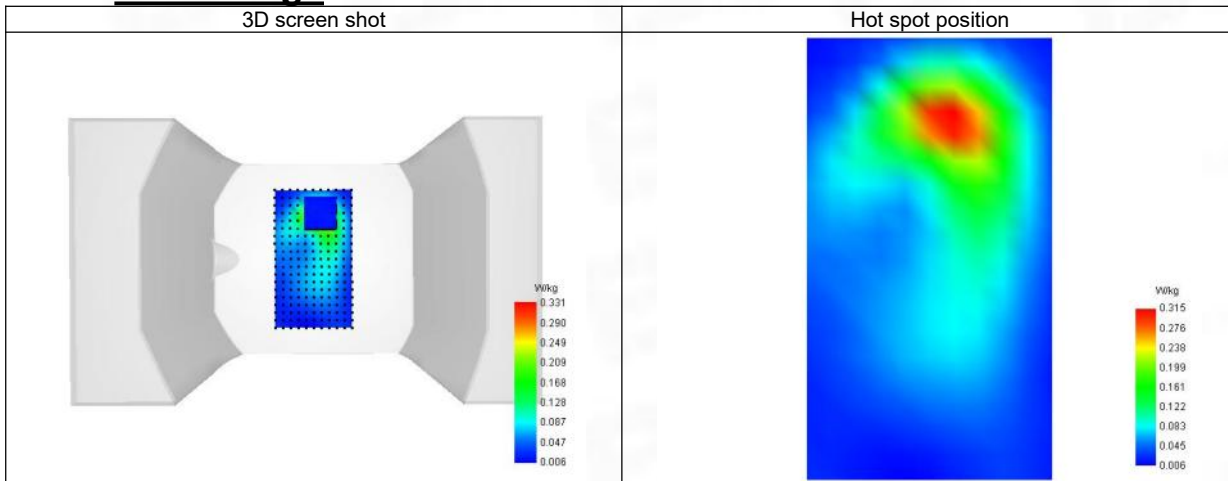
SAR 10g (W/Kg)	0.171
SAR 1g (W/Kg)	0.309
Variation (%)	-0.620
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.163583

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.487	0.331	0.199	0.123	0.076	0.044	0.031



F. 3D Image



39-Head with front position in dist. 0mm on Channel 133222 in LTE band 71

SAR Measurement at LTE band 71 (Cheek, Right)

Date of measurement: 10/12/2025

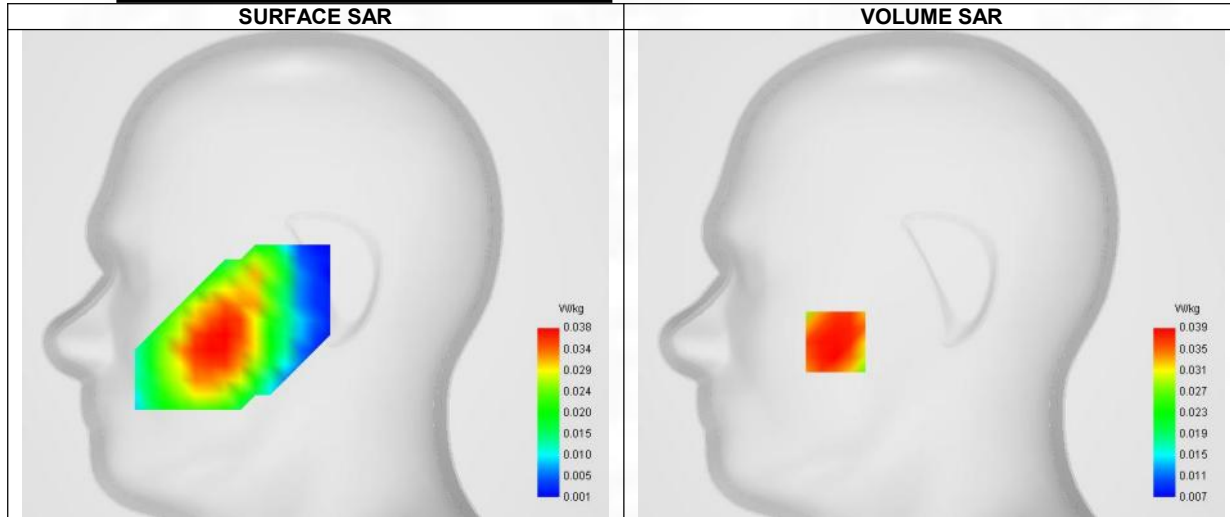
A. Experimental conditions.

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	Lower (133222)/ frequency 673.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	673.090
Relative permittivity (real part)	42.535
Relative permittivity (imaginary part)	23.089
Conductivity (S/m)	0.896

C. SAR Surface and Volume



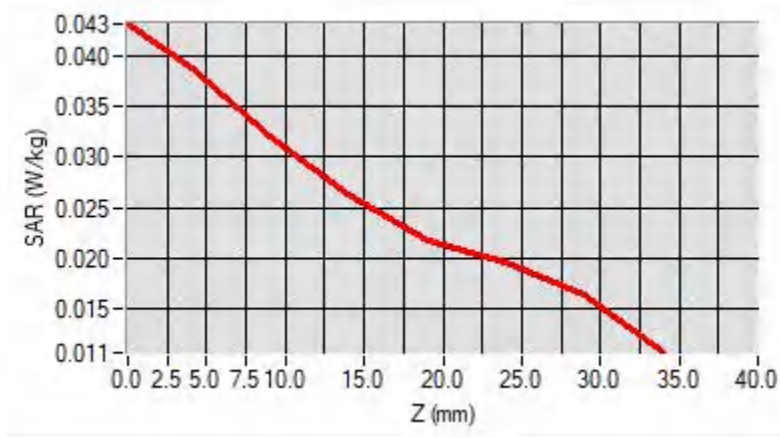
Maximum location: X=-51.00, Y=-36.00 ; SAR Peak: 0.05 W/kg

D. SAR 1g & 10g

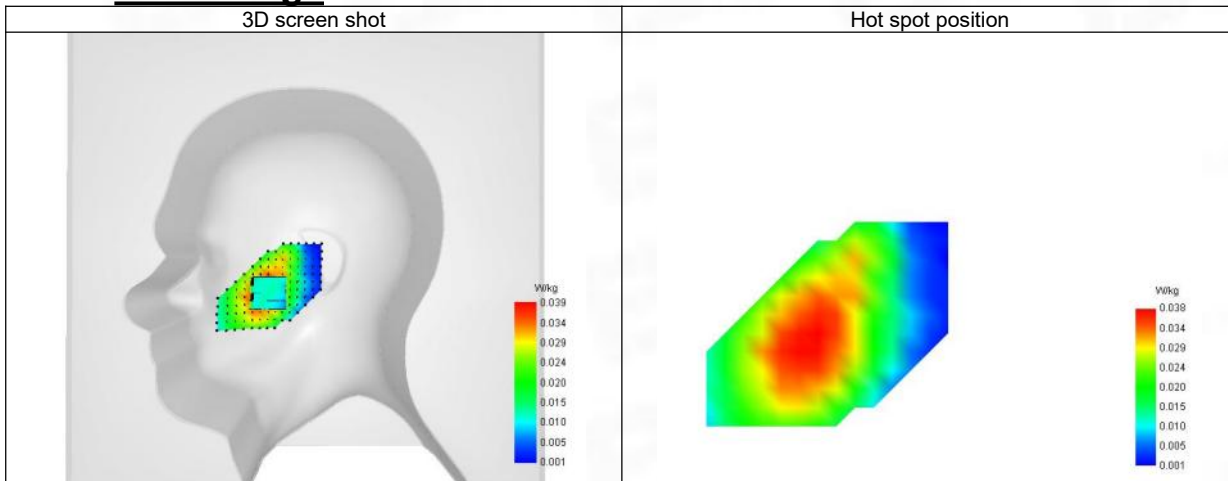
SAR 10g (W/Kg)	0.030
SAR 1g (W/Kg)	0.038
Variation (%)	0.710
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.940548

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.043	0.039	0.032	0.026	0.022	0.020	0.016



F. 3D Image



40-Body with back position in dist. 10mm on Channel 133222 in LTE band 71

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

Date of measurement: 10/12/2025

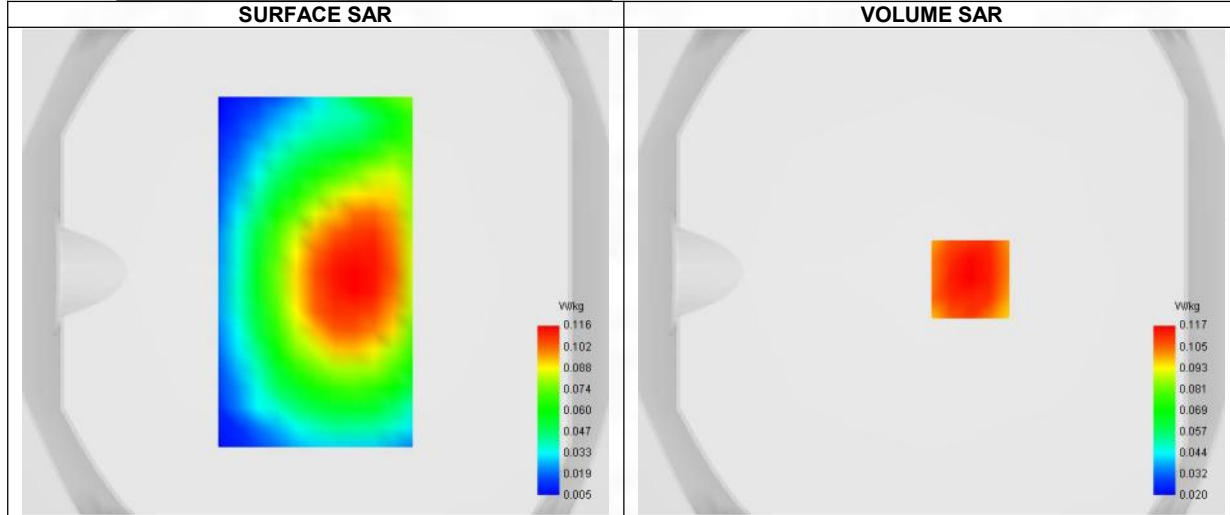
A. Experimental conditions.

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	Lower (133222)/ frequency 673.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	50
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	673.090
Relative permittivity (real part)	42.535
Relative permittivity (imaginary part)	23.089
Conductivity (S/m)	0.896

C. SAR Surface and Volume

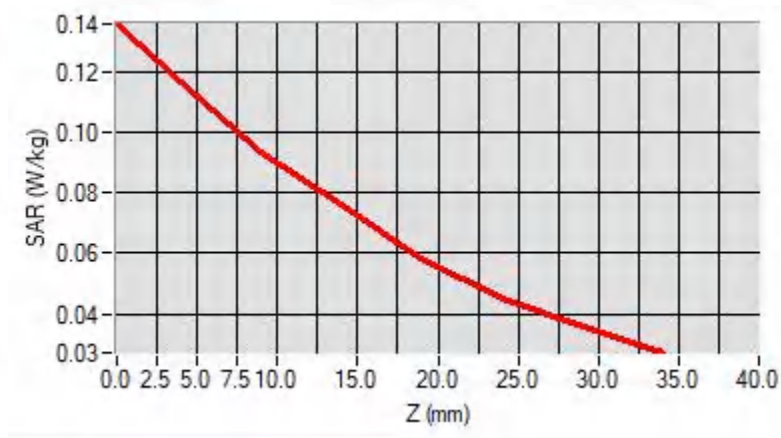


D. SAR 1g & 10g

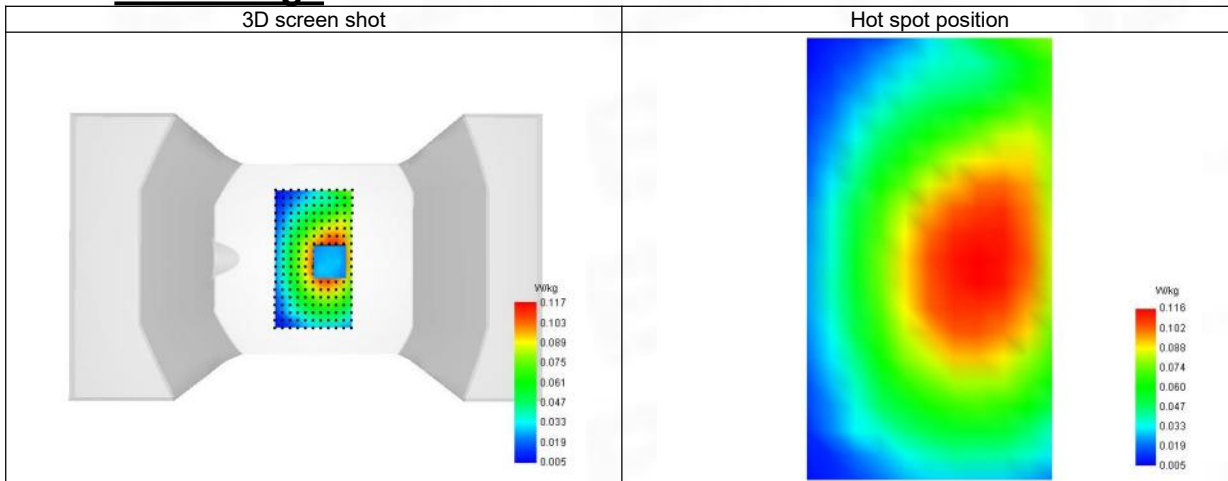
SAR 10g (W/Kg)	0.086
SAR 1g (W/Kg)	0.113
Variation (%)	4.710
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.149920

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.136	0.117	0.094	0.076	0.058	0.045	0.036



F. 3D Image



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

SAR Measurement at ISM (Cheek, Right)

Date of measurement: 15/12/2025

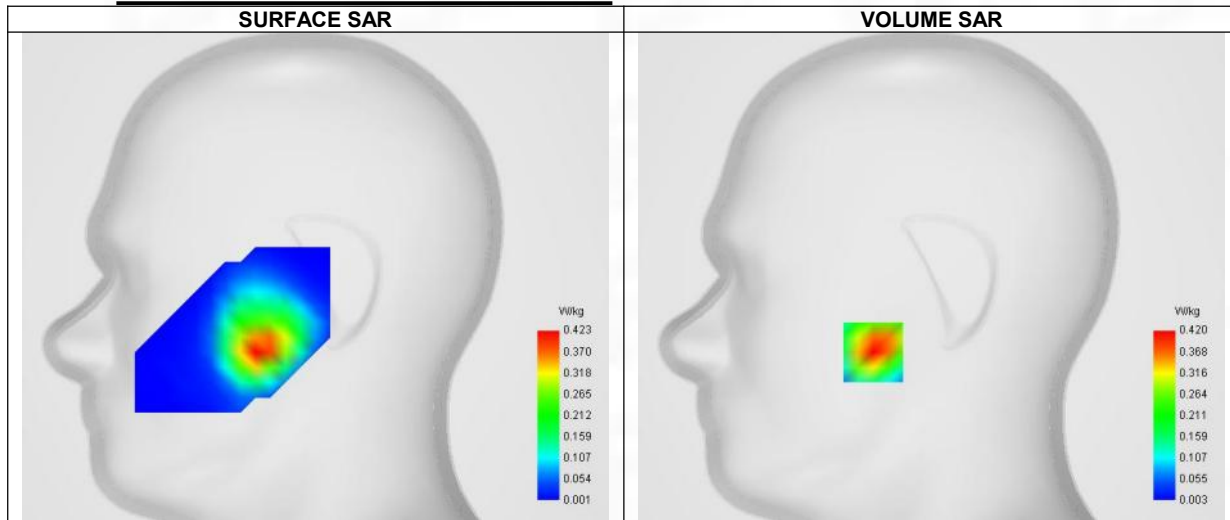
A. Experimental conditions.

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)	38.721
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.765

C. SAR Surface and Volume



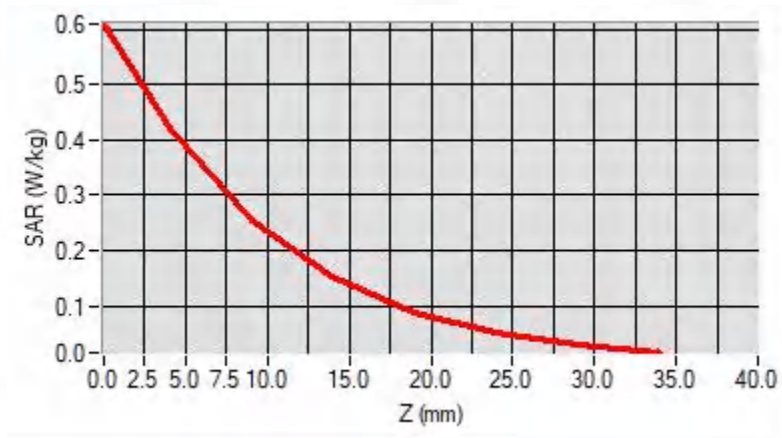
Maximum location: X=-31.00, Y=-40.00 ; SAR Peak: 0.61 W/kg

D. SAR 1g & 10g

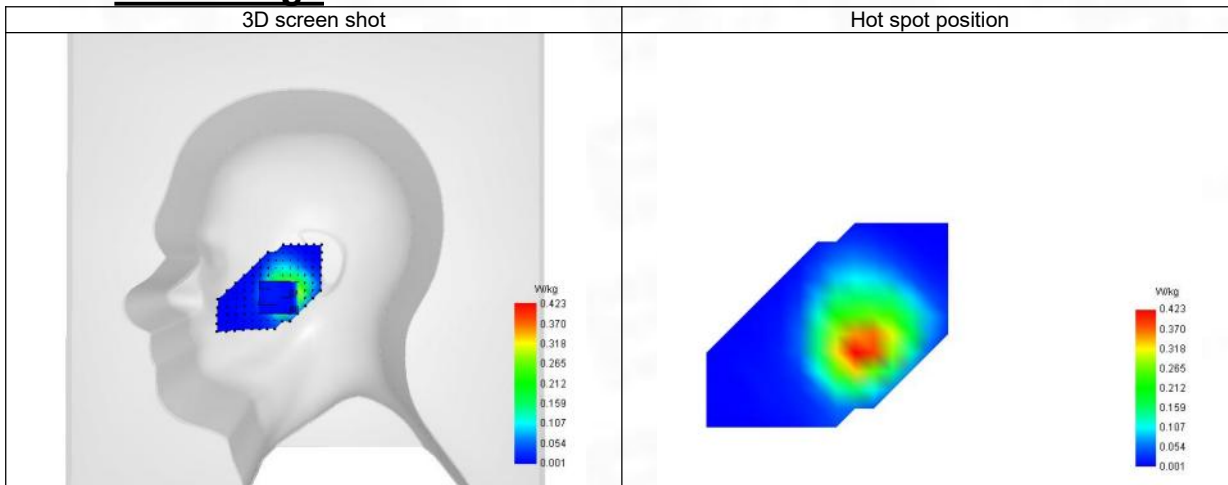
SAR 10g (W/Kg)	0.214
SAR 1g (W/Kg)	0.393
Variation (%)	2.190
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.873349

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.610	0.420	0.256	0.153	0.089	0.052	0.031



F. 3D Image



42-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: 15/12/2025

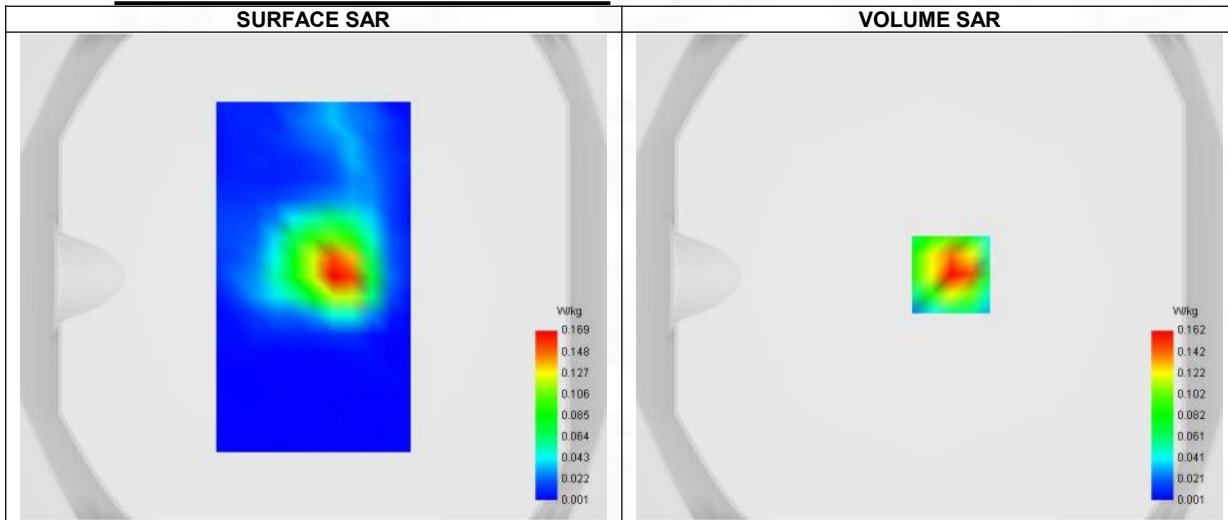
A. Experimental conditions.

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)	38.721
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.765

C. SAR Surface and Volume



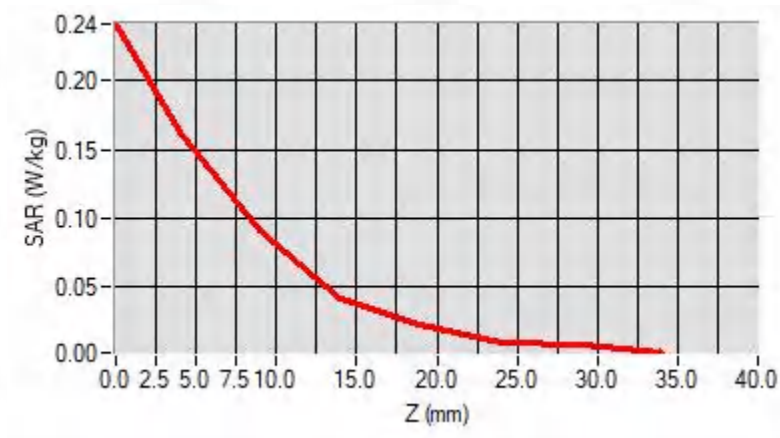
Maximum location: X=9.00, Y=1.00 ; SAR Peak: 0.27 W/kg

D. SAR 1g & 10g

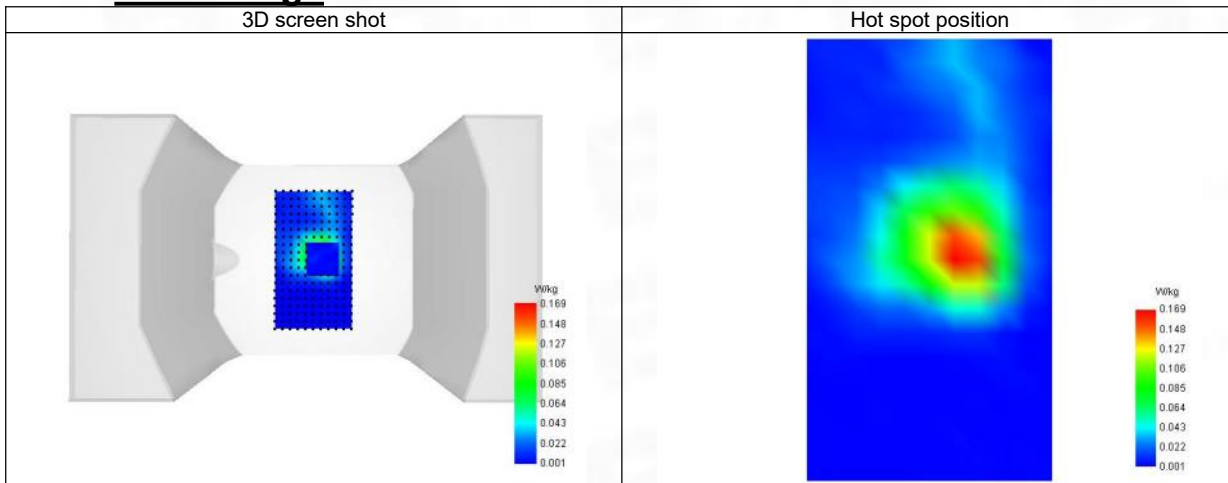
SAR 10g (W/Kg)	0.074
SAR 1g (W/Kg)	0.151
Variation (%)	-2.030
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.400266

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	0.162	0.091	0.041	0.023	0.010	0.008



F. 3D Image



43-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: 19/12/2025

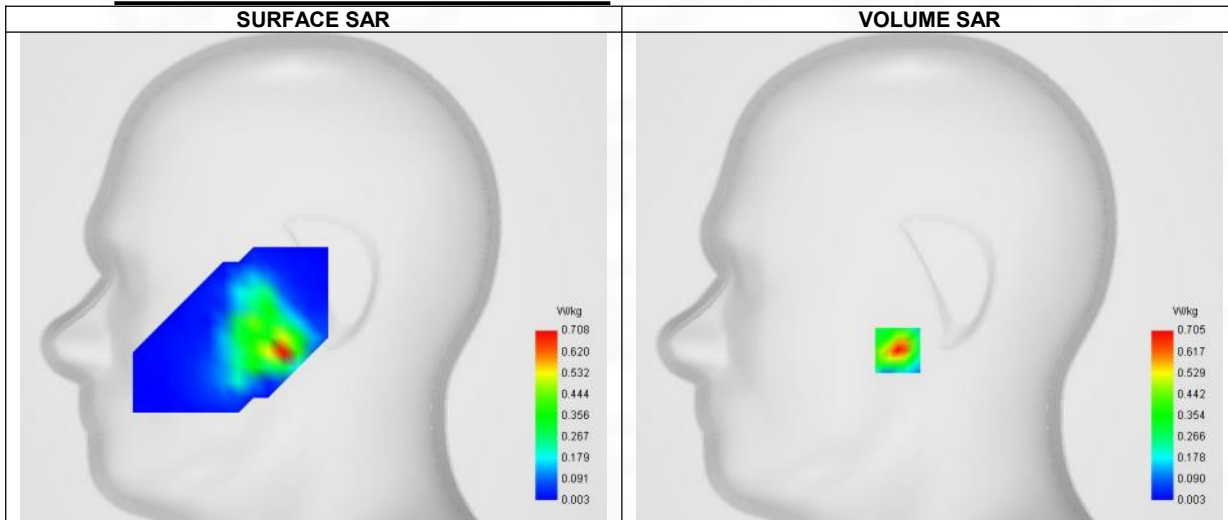
A. Experimental conditions.

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	Middle (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	35.202
Relative permittivity (imaginary part)	16.468
Conductivity (S/m)	4.581

C. SAR Surface and Volume



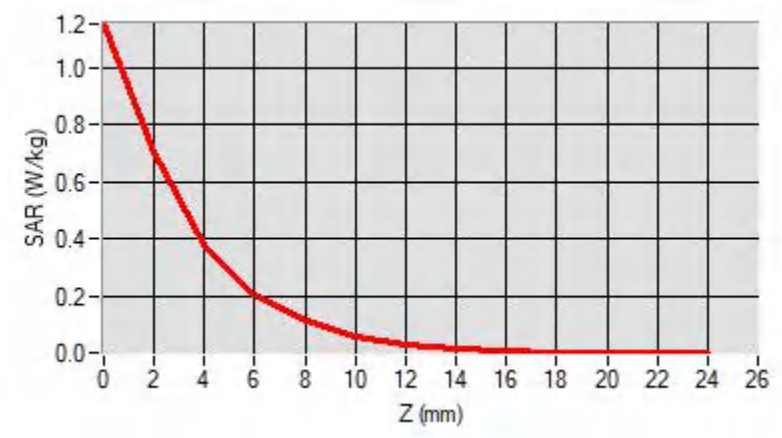
Maximum location: X=-17.00, Y=-39.00 ; SAR Peak: 1.77 W/kg

D. SAR 1g & 10g

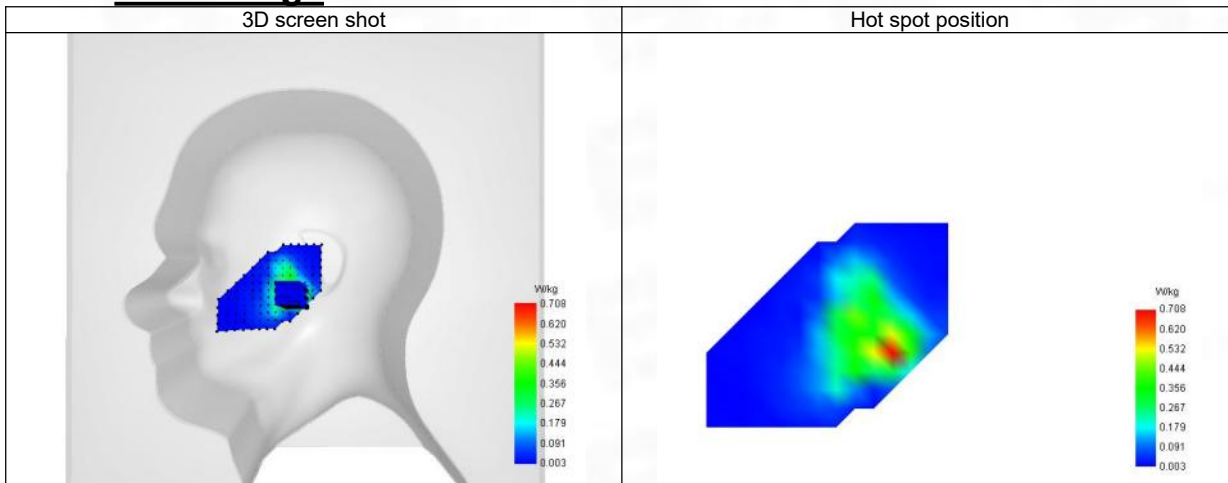
SAR 10g (W/Kg)	0.220
SAR 1g (W/Kg)	0.554
Variation (%)	-0.090
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.402814

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)	1.153	0.705	0.384	0.208	0.115	0.059	0.030	0.018	0.011	0.003	0.003	0.003



F. 3D Image



44-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: 19/12/2025

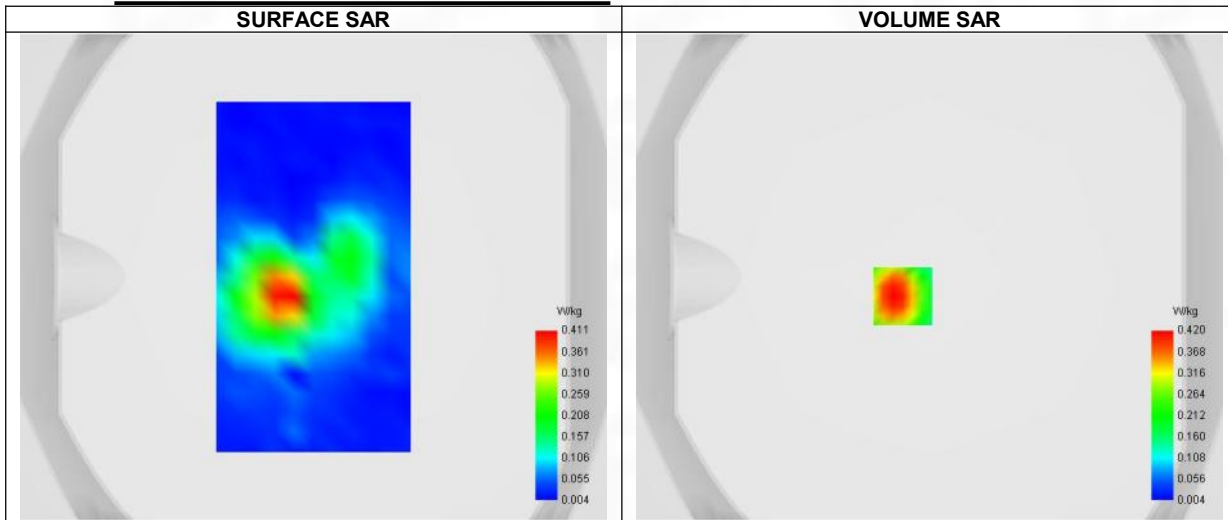
A. Experimental conditions.

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	Middle (42)/ frequency 5210.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5210.000
Relative permittivity (real part)	35.202
Relative permittivity (imaginary part)	16.468
Conductivity (S/m)	4.581

C. SAR Surface and Volume

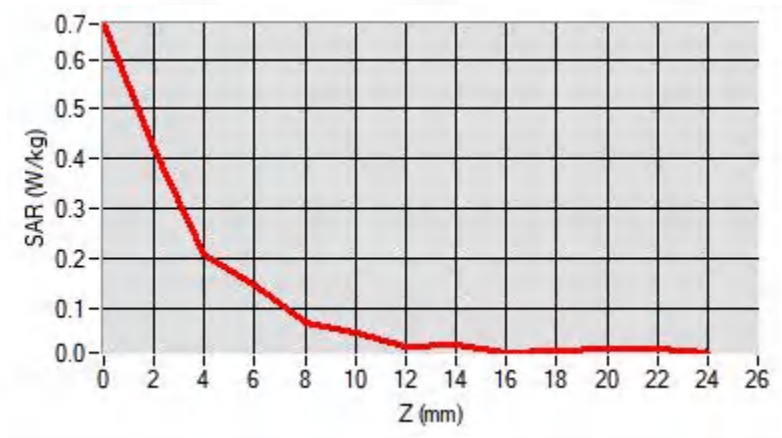


D. SAR 1g & 10g

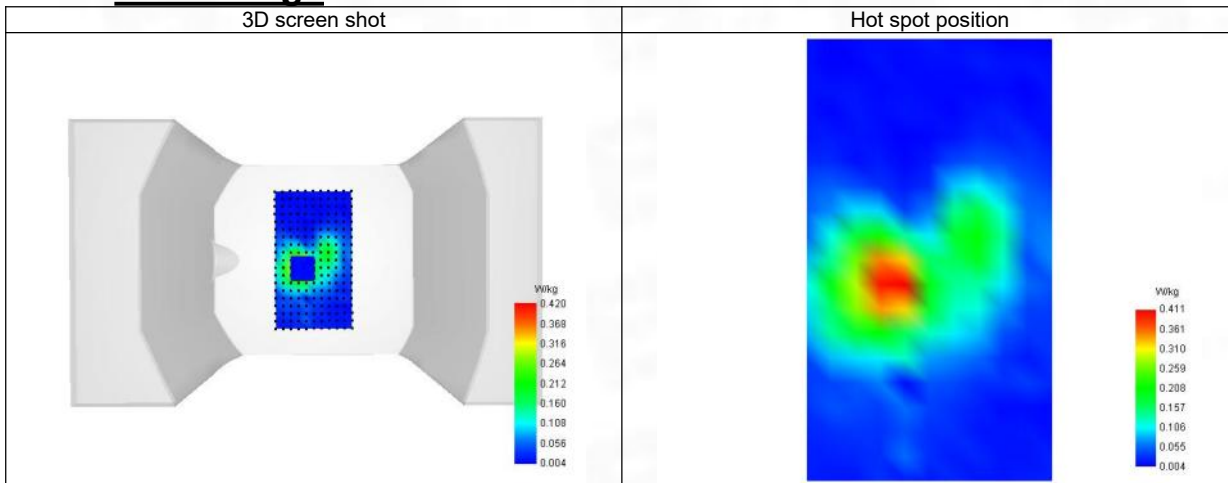
SAR 10g (W/Kg)	0.105
SAR 1g (W/Kg)	0.263
Variation (%)	2.500
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	56.792718

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)	0.671	0.420	0.208	0.146	0.069	0.049	0.023	0.026	0.011	0.012	0.016	0.017



F. 3D Image



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

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

Date of measurement: 20/12/2025

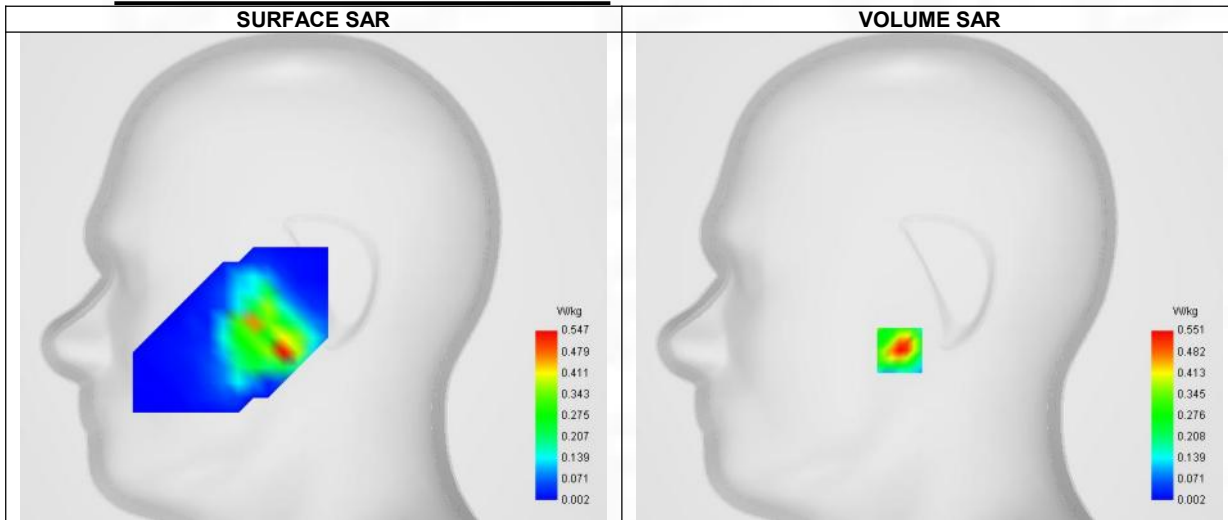
A. Experimental conditions.

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-2a
Channels/Frequency	Middle (58)/ frequency 5290.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5290.000
Relative permittivity (real part)	35.516
Relative permittivity (imaginary part)	16.331
Conductivity (S/m)	4.718

C. SAR Surface and Volume

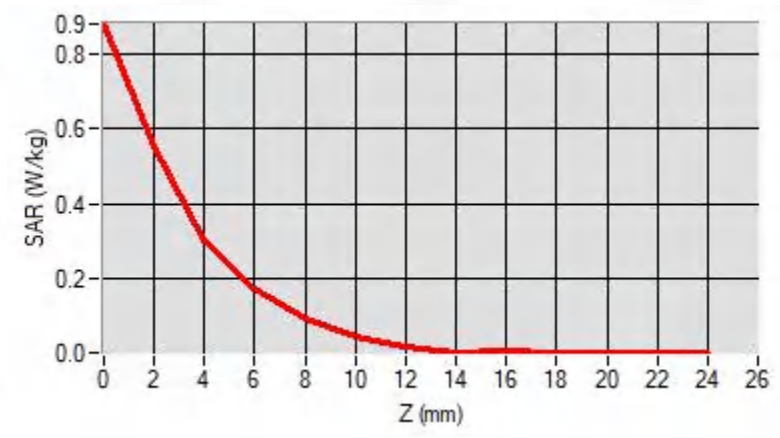


D. SAR 1g & 10g

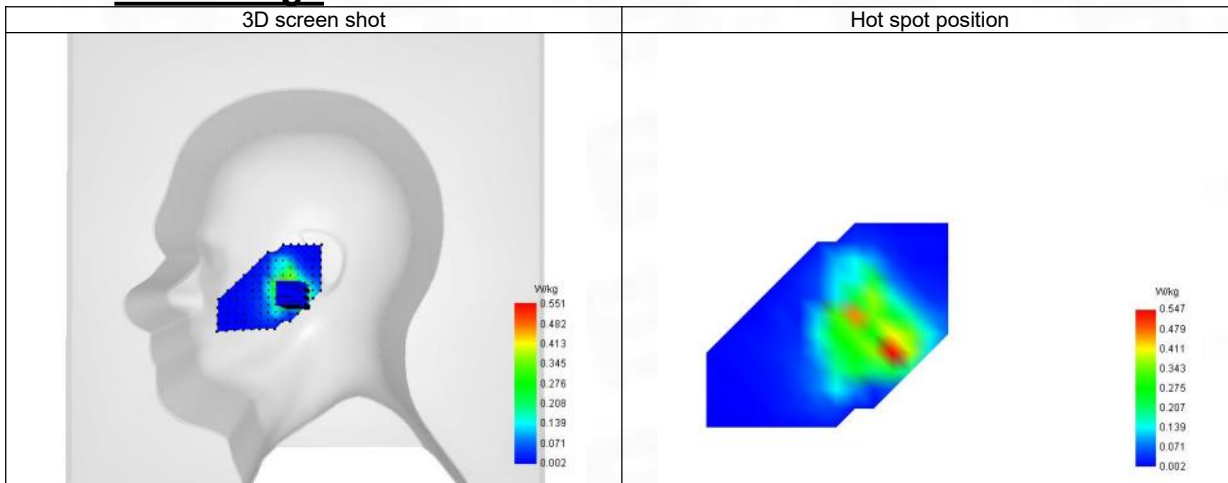
SAR 10g (W/Kg)	0.181
SAR 1g (W/Kg)	0.432
Variation (%)	-0.950
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	54.745553

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)	0.878	0.551	0.301	0.176	0.093	0.044	0.018	0.002	0.009	0.005	0.003	0.003



F. 3D Image



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

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

Date of measurement: 20/12/2025

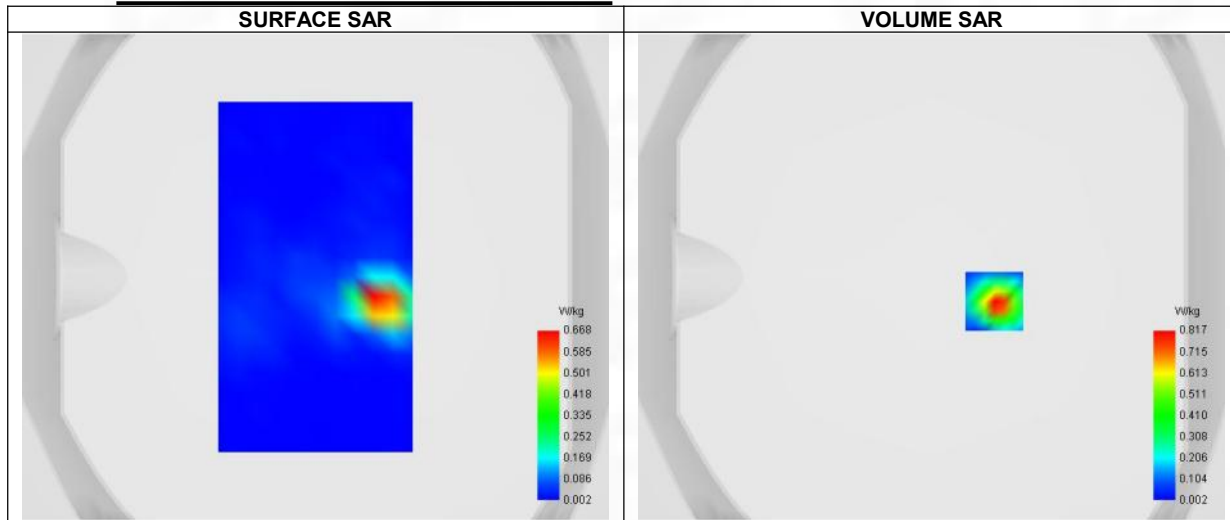
A. Experimental conditions.

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	Middle (58)/ frequency 5290.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5290.000
Relative permittivity (real part)	35.516
Relative permittivity (imaginary part)	16.331
Conductivity (S/m)	4.718

C. SAR Surface and Volume



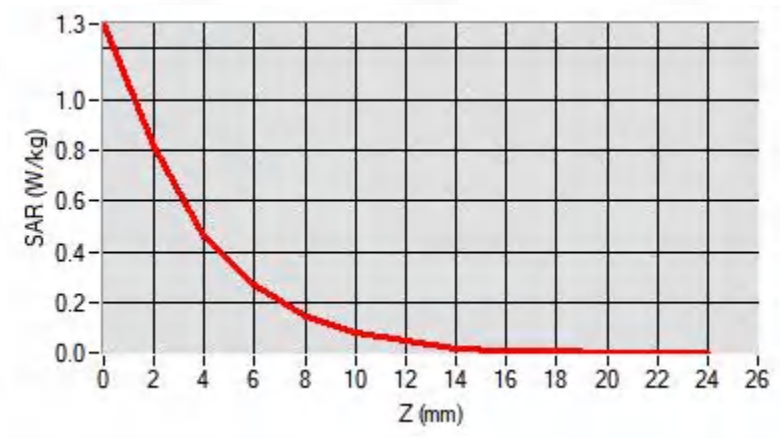
Maximum location: X=26.00, Y=-10.00 ; SAR Peak: 1.42 W/kg

D. SAR 1g & 10g

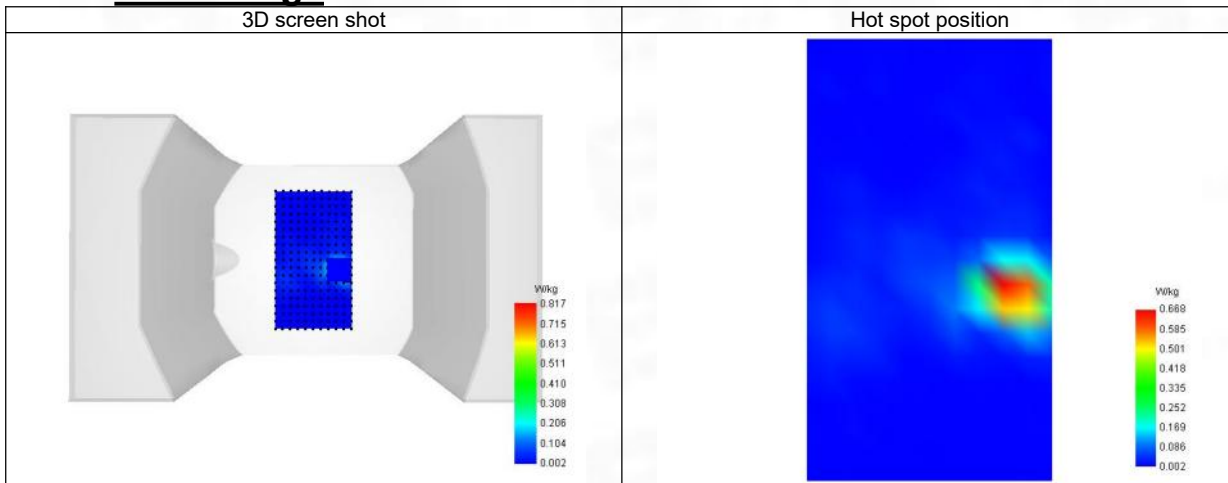
SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.434
Variation (%)	3.870
Horizontal validation criteria: minimum distance (mm)	8.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	56.435628

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)	1.297	0.817	0.461	0.272	0.148	0.086	0.047	0.019	0.014	0.013	0.006	0.003



F. 3D Image



47-Head with front position in dist. 0mm on Channel 100 in IEEE 802.11n U-NII

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

Date of measurement: 21/12/2025

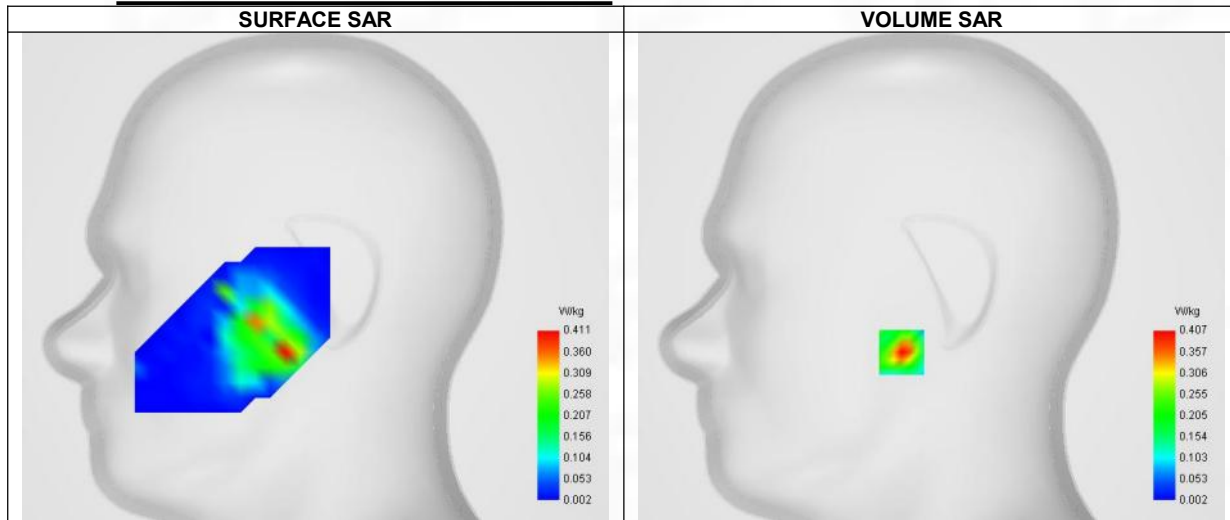
A. Experimental conditions.

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 n

B. Permittivity

Middle TX Frequency (MHz)	5500.000
Relative permittivity (real part)	35.656
Relative permittivity (imaginary part)	16.248
Conductivity (S/m)	5.030

C. SAR Surface and Volume



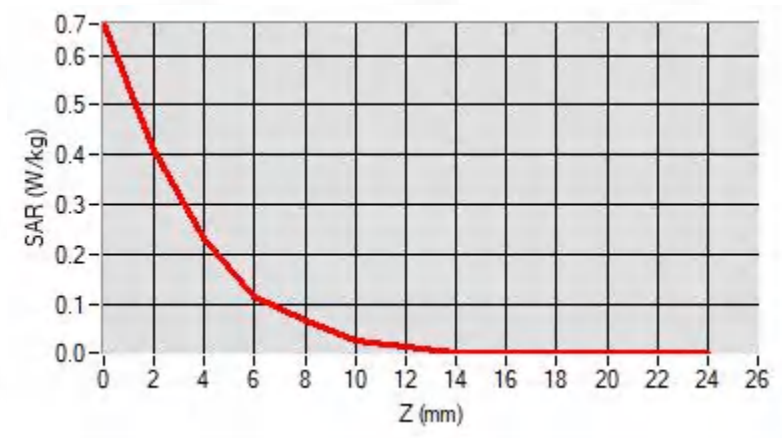
Maximum location: X=-16.00, Y=-40.00 ; SAR Peak: 0.98 W/kg

D. SAR 1g & 10g

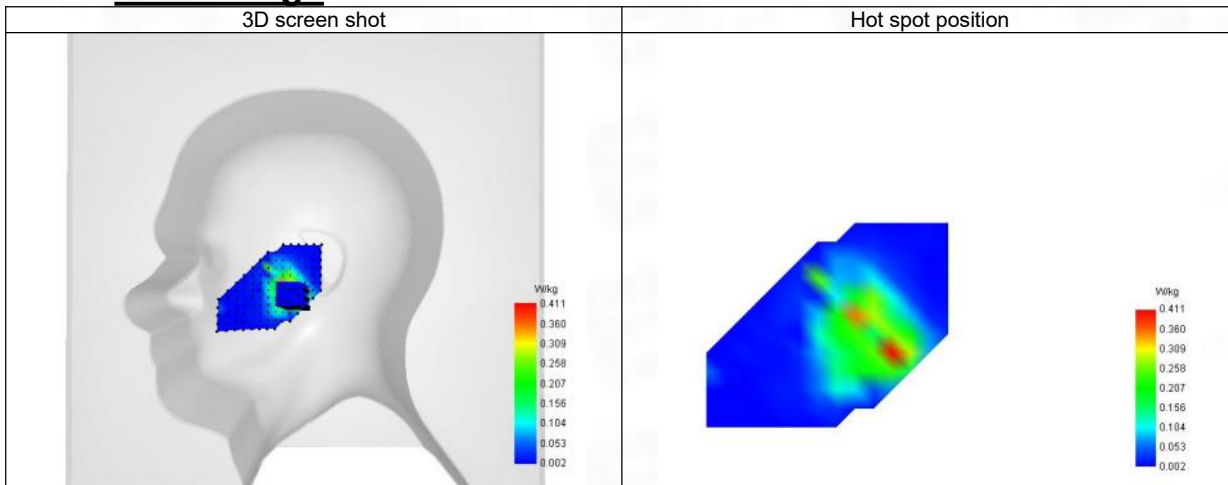
SAR 10g (W/Kg)	0.129
SAR 1g (W/Kg)	0.386
Variation (%)	-1.280
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	56.836295

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)	0.662	0.407	0.231	0.116	0.067	0.026	0.016	0.004	0.003	0.003	0.003	0.003



F. 3D Image



48-Body with back position in dist. 10mm on Channel 100 in IEEE 802.11n U-NII

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

Date of measurement: 21/12/2025

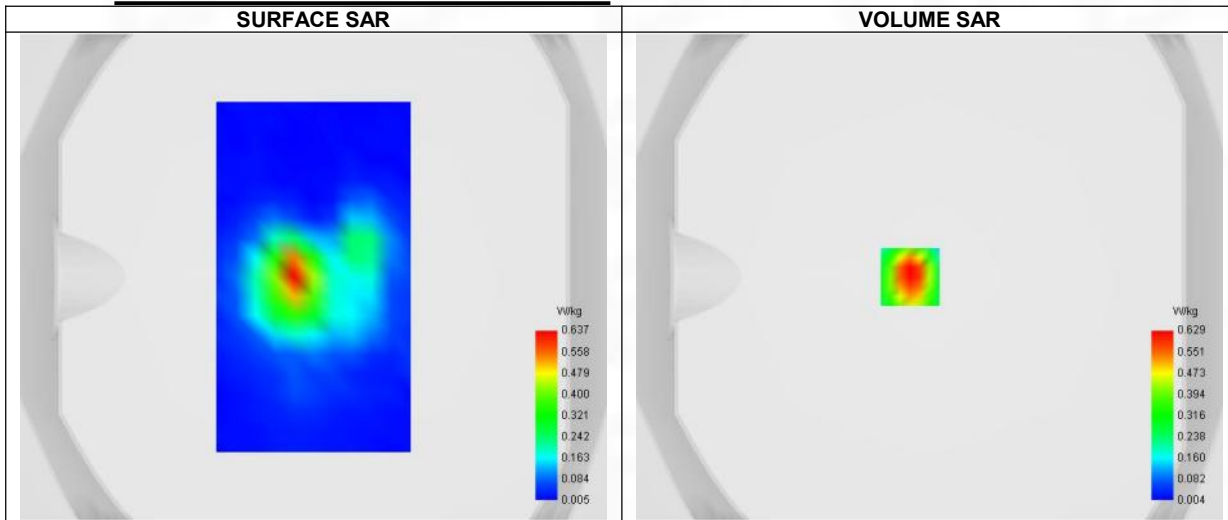
A. Experimental conditions.

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 n

B. Permittivity

Middle TX Frequency (MHz)	5500.000
Relative permittivity (real part)	35.656
Relative permittivity (imaginary part)	16.248
Conductivity (S/m)	5.030

C. SAR Surface and Volume



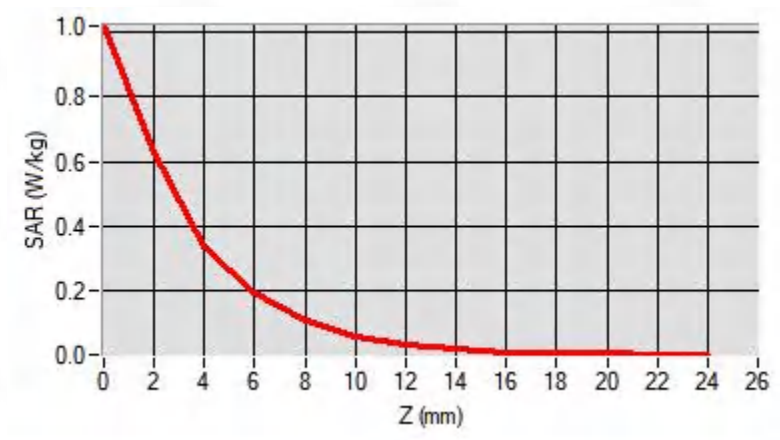
Maximum location: X=-8.00, Y=0.00 ; SAR Peak: 1.09 W/kg

D. SAR 1g & 10g

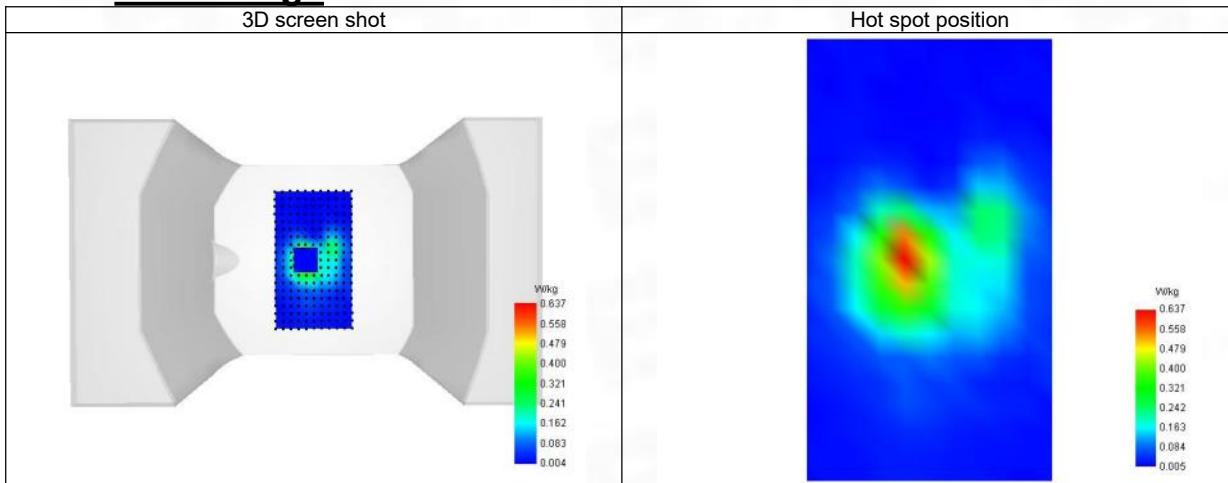
SAR 10g (W/Kg)	0.148
SAR 1g (W/Kg)	0.391
Variation (%)	-2.340
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	57.380134

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)	1.017	0.629	0.335	0.197	0.112	0.058	0.037	0.023	0.013	0.011	0.010	0.007



F. 3D Image



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

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

Date of measurement: 22/12/2025

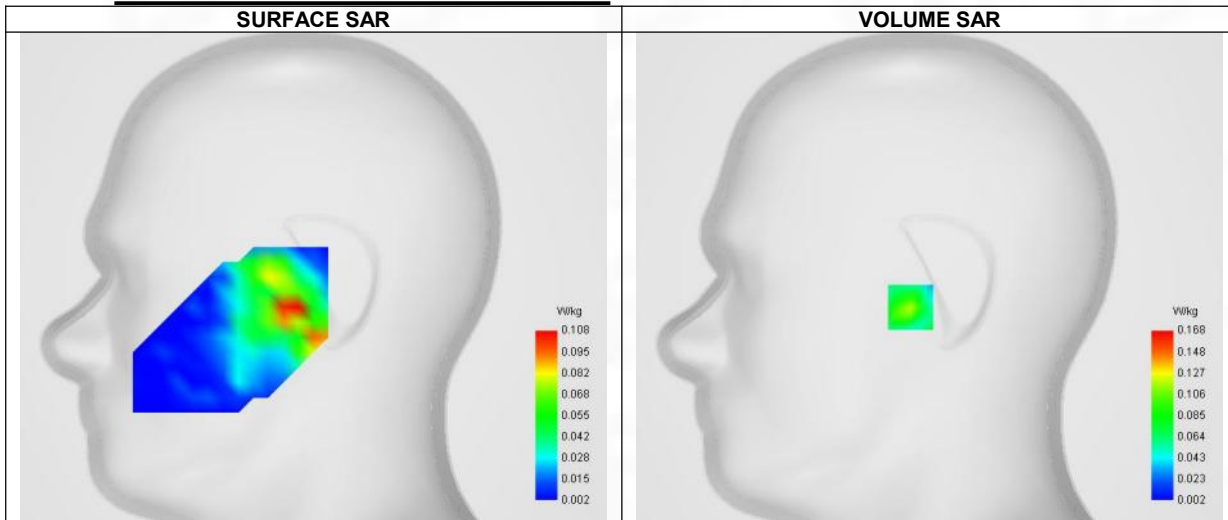
A. Experimental conditions.

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-3
Channels/Frequency	Higher (155)/ frequency 5775.000 Mhz
Signal	IEEE 802.11 ac

B. Permittivity

Middle TX Frequency (MHz)	5775.000
Relative permittivity (real part)	35.147
Relative permittivity (imaginary part)	16.544
Conductivity (S/m)	5.311

C. SAR Surface and Volume



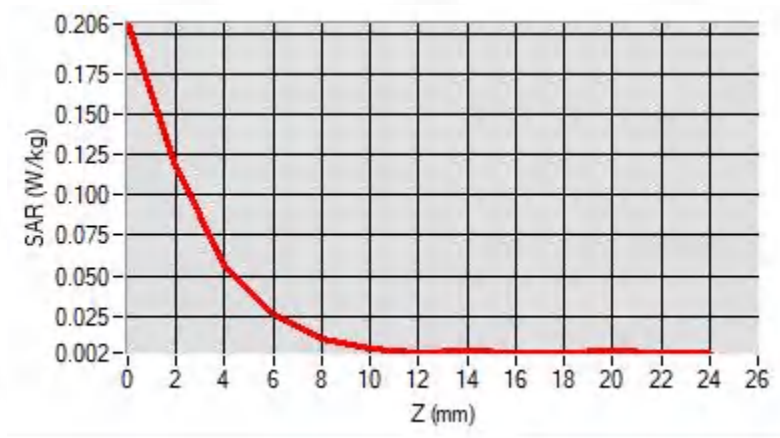
Maximum location: X=-10.00, Y=-16.00 ; SAR Peak: 0.33 W/kg

D. SAR 1g & 10g

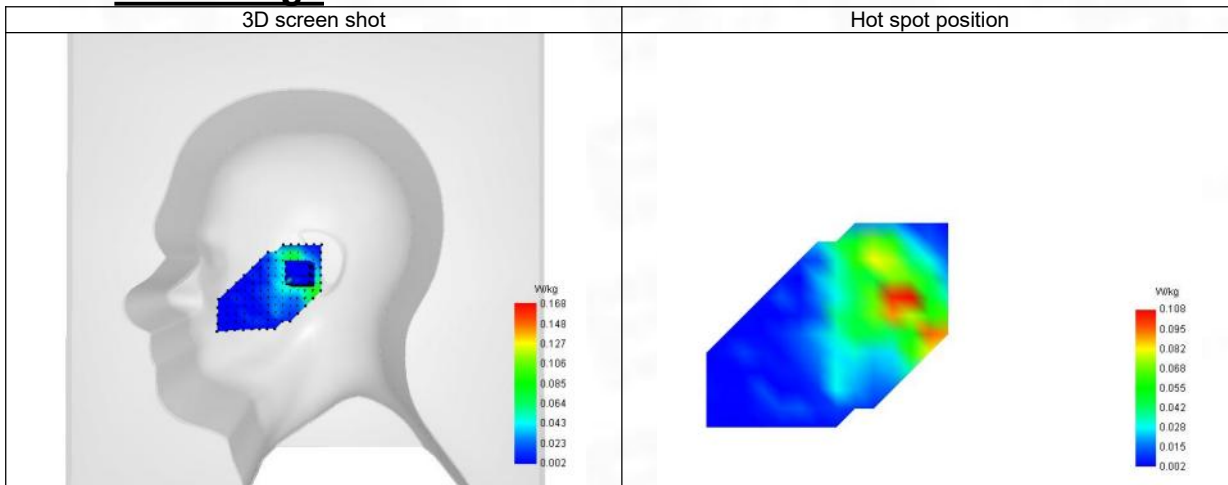
SAR 10g (W/Kg)	0.037
SAR 1g (W/Kg)	0.102
Variation (%)	1.740
Horizontal validation criteria: minimum distance (mm)	8.944272
Vertical validation criteria: SAR ratio M2/M1 (%)	48.245603

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)	0.206	0.118	0.057	0.026	0.011	0.004	0.002	0.003	0.002	0.002	0.003	0.002



F. 3D Image



50-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: 22/12/2025

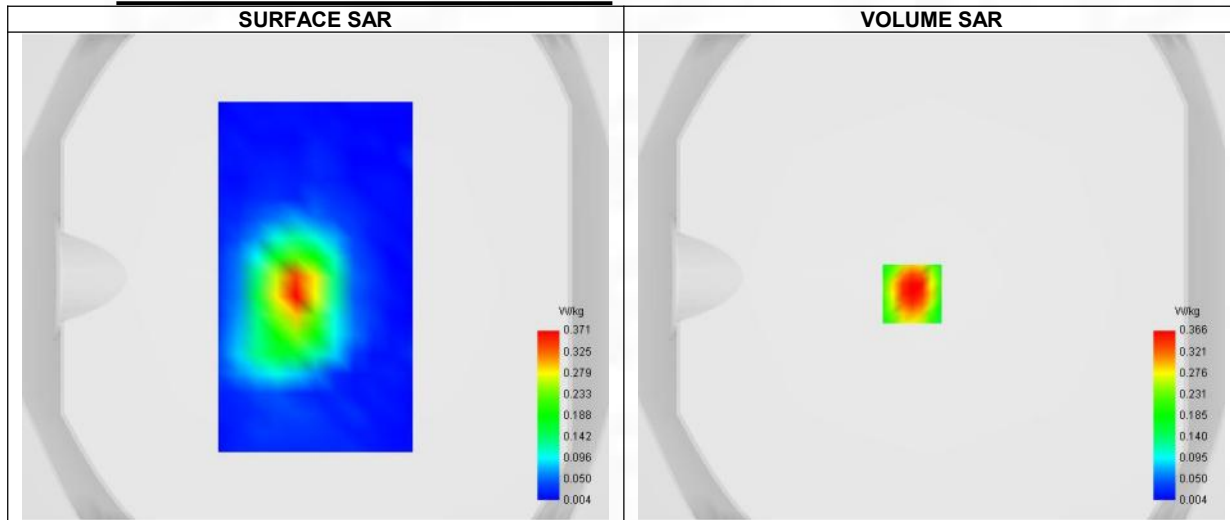
A. Experimental conditions.

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)	35.147
Relative permittivity (imaginary part)	16.544
Conductivity (S/m)	5.311

C. SAR Surface and Volume

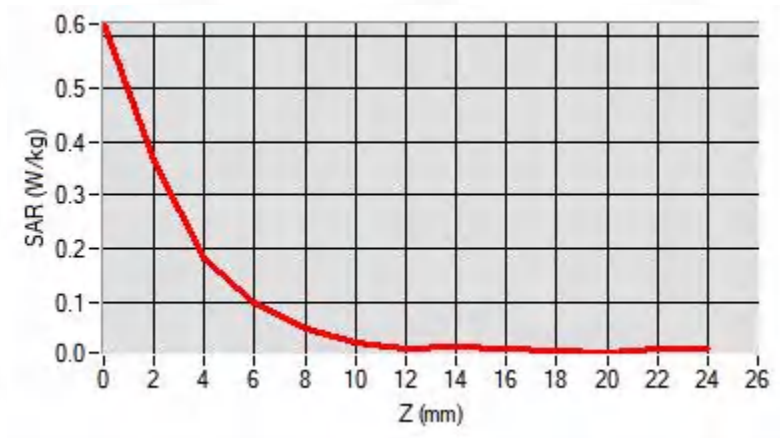


D. SAR 1g & 10g

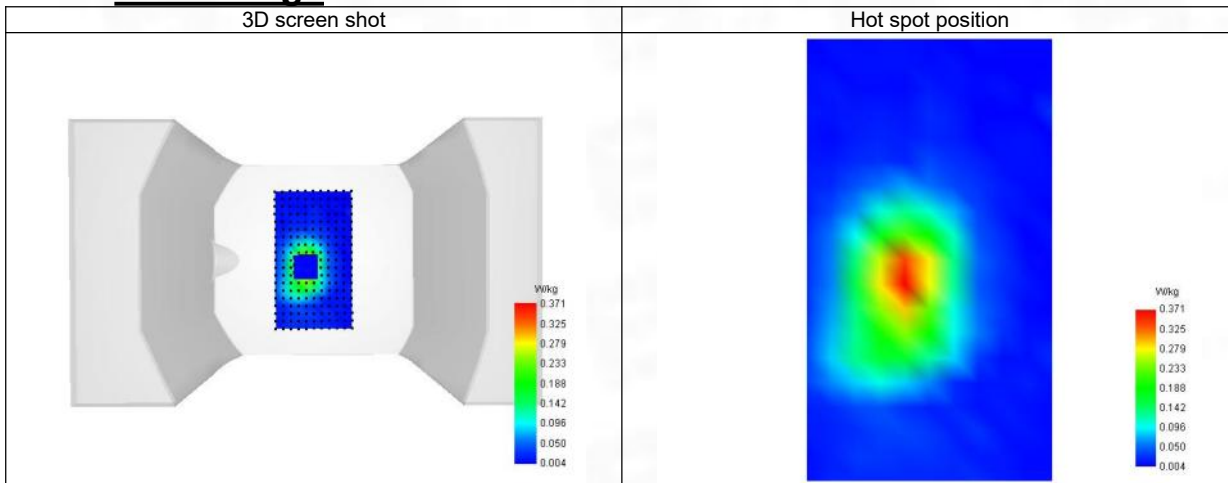
SAR 10g (W/Kg)	0.180
SAR 1g (W/Kg)	0.370
Variation (%)	1.550
Horizontal validation criteria: minimum distance (mm)	14.422205
Vertical validation criteria: SAR ratio M2/M1 (%)	55.359838

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)	0.621	0.366	0.180	0.098	0.050	0.025	0.012	0.015	0.011	0.008	0.005	0.011



F. 3D Image



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

SAR Measurement at Bluetooth (Cheek, Right)

Date of measurement: 15/12/2025

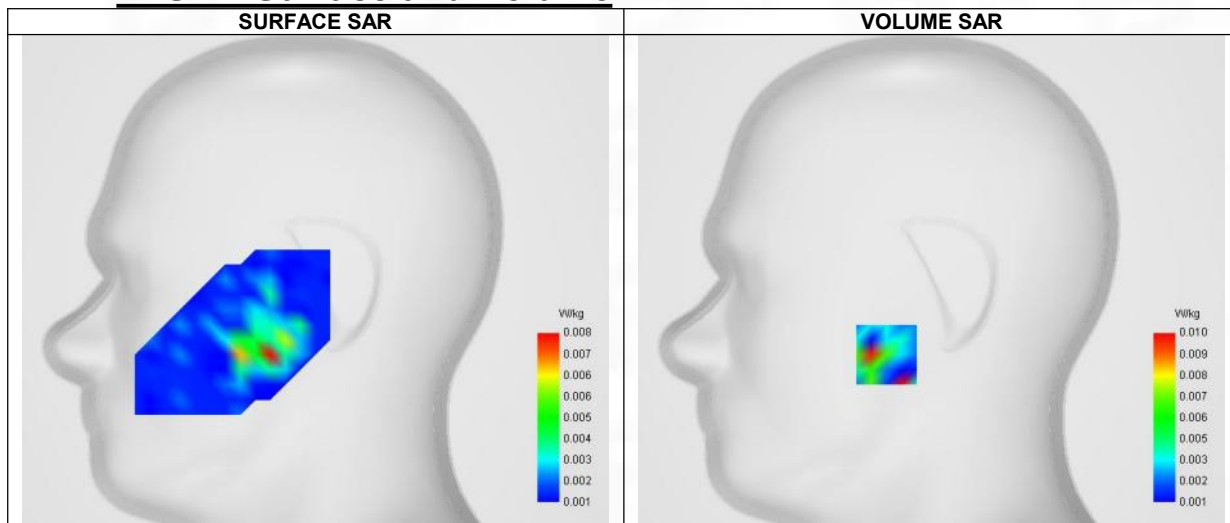
A. Experimental conditions.

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)	38.711
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.767

C. SAR Surface and Volume



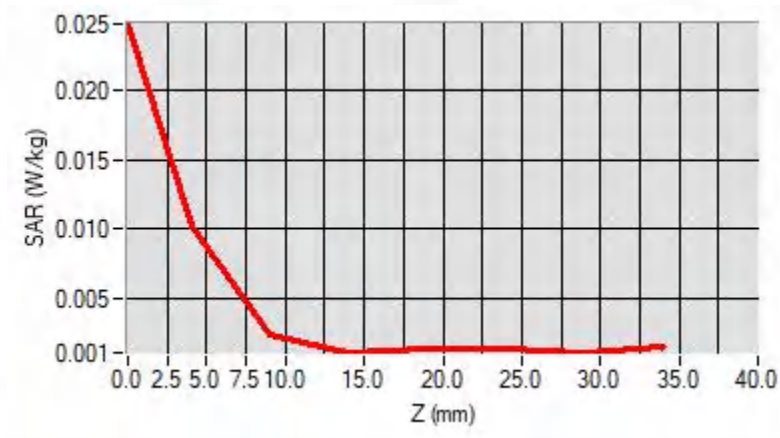
Maximum location: X=-24.00, Y=-40.00 ; SAR Peak: 0.03 W/kg

D. SAR 1g & 10g

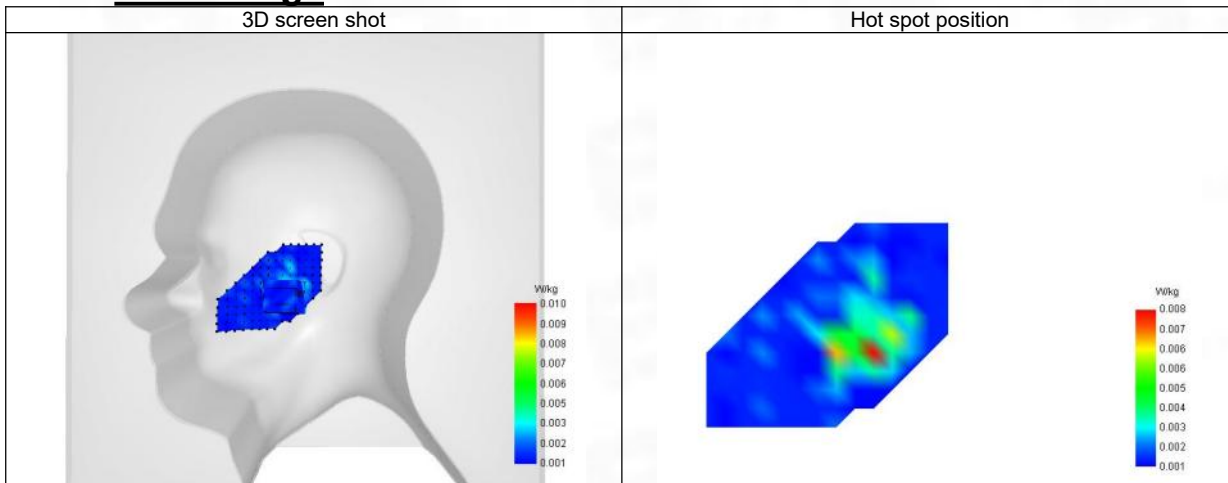
SAR 10g (W/Kg)	0.002
SAR 1g (W/Kg)	0.005
Variation (%)	2.000
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	40.000000

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.025	0.010	0.004	0.001	0.001	0.001	0.001



F. 3D Image



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

SAR Measurement at Bluetooth (Body, Validation Plane)

Date of measurement: 15/12/2025

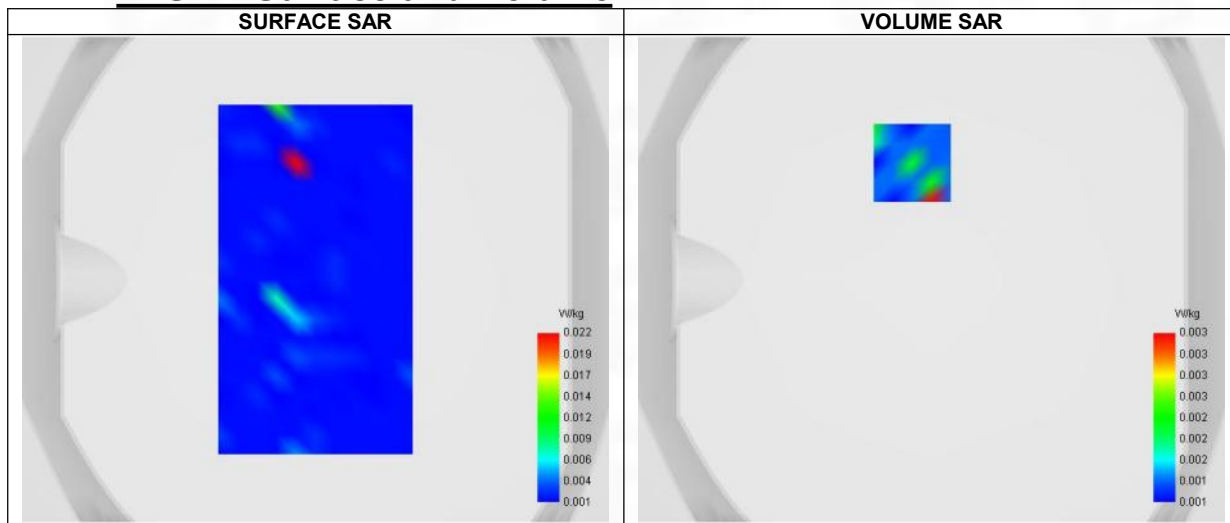
A. Experimental conditions.

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)	38.711
Relative permittivity (imaginary part)	13.651
Conductivity (S/m)	1.767

C. SAR Surface and Volume



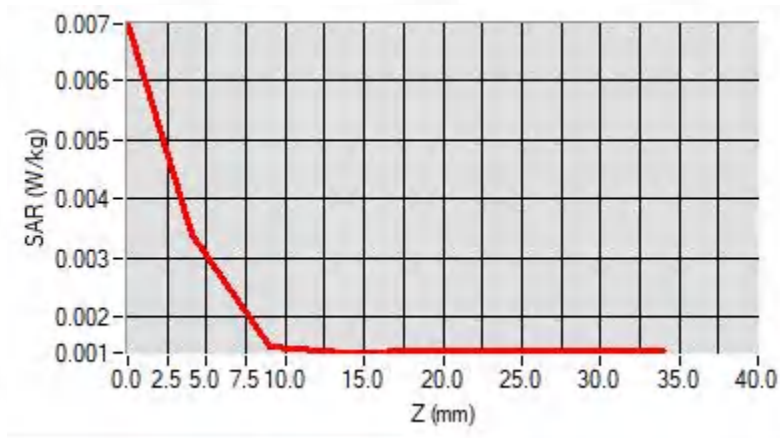
Maximum location: X=-8.00, Y=48.00 ; SAR Peak: 0.01 W/kg

D. SAR 1g & 10g

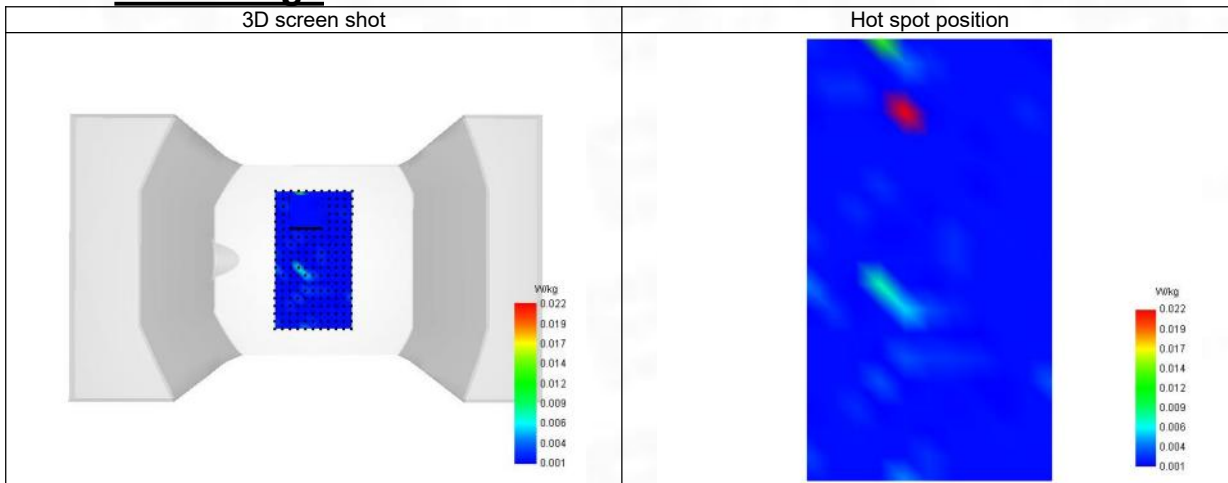
SAR 10g (W/Kg)	0.001
SAR 1g (W/Kg)	0.003
Variation (%)	-2.530
Horizontal validation criteria: minimum distance (mm)	12.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	42.555777

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.007	0.003	0.001	0.001	0.001	0.001	0.001



F. 3D Image



ANNEX D SAR Test Setup Photos

Reference Photo: simulation liquid depth 15.9cm



Please refer to the document “ANNEX D SAR Test Setup Photos.pdf”.

ANNEX E EUT External and Internal Photos

Please refer to RF Report.

ANNEX F Calibration Information

Please refer to the document “Calibration.pdf”.



BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

www.btf-lab.com

--END OF REPORT--