



SAR Test Report

For

Applicant Name: FOXX Development Inc.
Address: 3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA
EUT Name: Smart Phone
Brand Name: MIRO, FOXX, FOXXD, AIRVOICE, FOXXD HTH
Model Number: S67L

Issued By

Company Name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Report Number: BTF260424R01201
Test Standards: FCC 47 CFR§2.1093 IEEE Std. 1528-2013 IEEE C95.1-2019
FCC ID: 2AQRM-S67L
Test Conclusion: Pass
Test Date: 2026-06-08 to 2026-06-20
Date of Issue: 2026-06-23
Tested By: Ella. ku
Ella Ku / Tester
Date: 2026-06-23
Prepared By: Amenda Zhong
Amenda Zhong / Project Engineer
Date: 2026-06-23
Approved By: Ryan.CJ
Ryan.CJ / EMC Manager
Date: 2026-06-23



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Revision History		
Version	Issue Date	Revisions Content
R_V0	2026-06-23	Original
Note:		Once the revision has been made, then previous versions reports are invalid.

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1. Introduction

1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Phone Number:	+86-0755-23146130
Fax Number:	+86-0755-23146130

1.2 Identification of the Responsible Testing Location

Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
Description:	All measurement facilities used to collect the measurement data are located at F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China
FCC Registration Number	518915
Designation Number	CN1409

1.3 Laboratory Condition

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

1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (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:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.2 Manufacturer Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.3 Factory Information

Company Name:	FOXX Development Inc.
Address:	3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

2.4 General Description of Equipment under Test (EUT)

EUT Name	Smart Phone
Under Test Model Name	S67L
Sample No.	BTFSN260424012

2.5 Equipment under Test Ancillary Equipment

Ancillary Equipment 1	Rechargeable Battery	
	Capacity	4900mAh
	Nominal Voltage	3.87V

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 2/4/5/7/12/25/26/66/71 TDD LTE Band 40/41 5G Network FDD NR Band 2/5/7/25/66/71 TDD NR Band 41/77/78 NSA LTE Band 2+NR N71, LTE Band 66+NR N71, LTE Band 66+NR N77, LTE Band 66+NR N41, LTE Band 12+NR N25, LTE Band 12+NR N77 2.4G WIFI 802.11b, 802.11g, 802.11n(HT20/40) 5G WIFI 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) Bluetooth (EDR+BLE)
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The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	GSM, WCDMA, LTE, NR, 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 25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	LTE Band 26 part 90	TX: 814.7 ~ 823.3 MHz	RX: 859.7 ~ 868.3 MHz
	LTE Band 26 part 22	TX: 824.7 ~ 848.3 MHz	RX: 869.7 ~ 893.3 MHz
	LTE Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	LTE Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	LTE Band 40a	2305 ~ 2315 MHz	
	LTE Band 40b	2350 ~ 2360 MHz	
	LTE Band 41	2496 ~ 2690 MHz	
	NR Band 2	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	NR Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	NR Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	NR Band 25	TX: 1850 ~ 1915 MHz	RX: 1930 ~ 1995 MHz
	NR Band 41	2496 ~ 2690 MHz	
	NR Band 66	TX: 1710 ~ 1780 MHz	RX: 2110 ~ 2200 MHz
	NR Band 71	TX: 663 ~ 698 MHz	RX: 617 ~ 652 MHz
	NR Band 77a	3700 ~ 3980 MHz	
	NR Band 77d	3450 ~ 3550 MHz	
	NR Band 78a	3700 ~ 3800 MHz	
	NR Band 78e	3450 ~ 3550 MHz	
	802.11b/g/n(HT20/40)	2412 ~ 2462 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		

NR Bands BW

Band	Duplex	SCS(KHz)	Bandwidths(BW)
NR Band 2	FDD	30	10, 15, 20
NR Band 5	FDD	30	10, 15, 20
NR Band 7	FDD	30	10, 15, 20
NR Band 25	FDD	30	10, 15, 20
NR Band 41	TDD	30	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
NR Band 66	FDD	30	10, 15, 20
NR Band 71	FDD	30	10, 15, 20
NR Band 77	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100
NR Band 78	TDD	30	10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100

NSA

Band
LTE Band 2+NR N71
LTE Band 66+NR N71
LTE Band 66+NR N77
LTE Band 66+NR N41
LTE Band 12+NR N25
LTE Band 12+NR N77

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 D05	SAR for LTE Devices v02r05
8	KDB941225 D06	Hotspot Mode v02r01
9	KDB648474 D04	Handset SAR v01r03
10	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)	LTE Band 2	0.341	PCE	0.564
	LTE Band 12	0.292		
	LTE Band 66	0.564		
	NR N25	0.380		
	NR N41	0.359		
	NR N71	0.149		
	NR N77	0.247		
Exposure Position	Frequency Band	Reported SAR (W/kg)	Equipment Class	Highest Reported SAR (W/kg)
Hotspot(Body) 1-g SAR (10 mm Gap)	LTE Band 2	0.578	PCE	0.690
	LTE Band 12	0.242		
	LTE Band 66	0.690		
	NR N25	0.358		
	NR N41	0.435		
	NR N71	0.357		
	NR N77	0.460		

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.

NSA

Band	Head Reported SAR (W/kg)	Body Reported SAR (W/kg)
LTE Band 2+NR N71	0.490	0.935
LTE Band 66+NR N71	0.713	1.047
LTE Band 66+NR N77	0.811	1.150
LTE Band 66+NR N41	0.923	1.125
LTE Band 12+NR N25	0.672	0.600
LTE Band 12+NR N77	0.539	0.702

3.4 Test Uncertainty

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

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

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

3.4.2 Measurement uncertainty evaluation for system check

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

4. Measurement System

4.1 Specific Absorption Rate (SAR) Definition

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

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

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

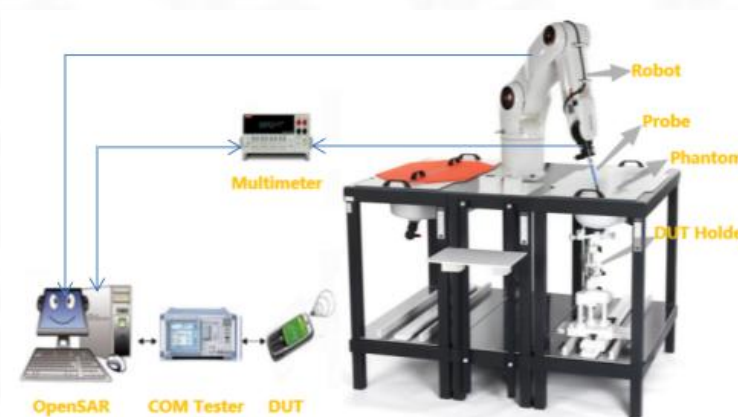
SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

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

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

4.2 MVG SAR System

4.2.1 SAR system diagram



4.2.2 Robot



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

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

4.2.3 E-Field Probe

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

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



4.2.4 Phantoms

SAM Phantom

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



SAM Phantom

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

TWIN SAM phantom

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

ELLIPTICAL Phantom

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



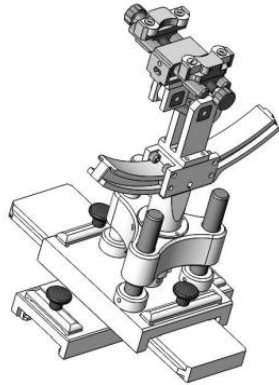
ELLI Phantom

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

Technical & mechanical characteristics

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

4.2.5 Device Holder



System Material	Permittivity	Loss tangent
Delrin	3.7	0.005

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

System Material	Permittivity	Loss tangent
PMMA	2.9	0.028

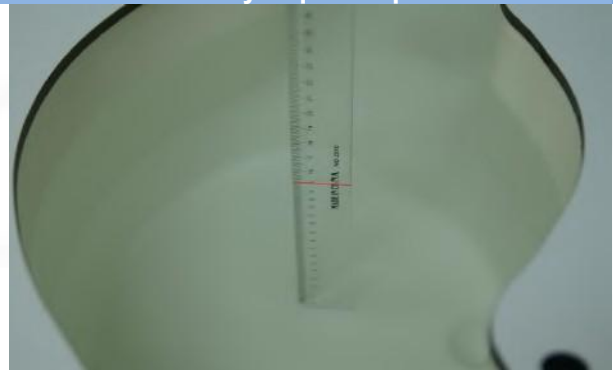
4.2.6 Simulating Liquid

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

Head Liquid Depth



Body Liquid Depth



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

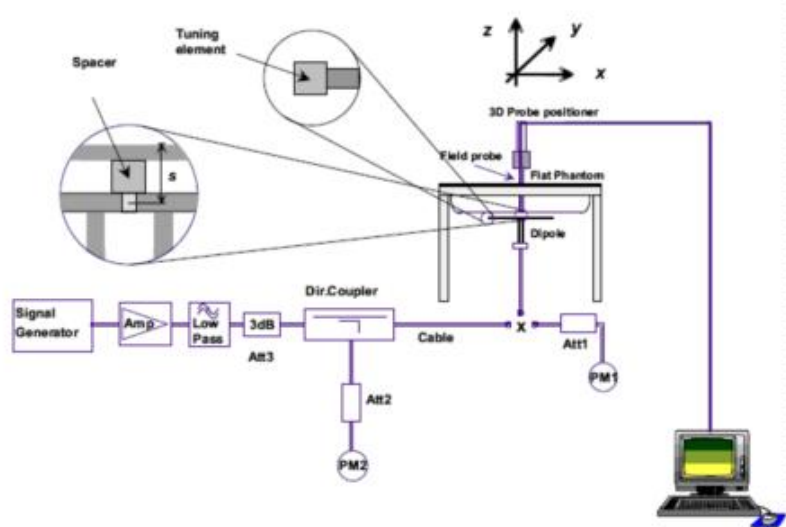
Head (Reference IEEE1528)								
Frequency (MHz)	Water (%)	Sugar (%)	Cellulose (%)	Salt (%)	Preventol (%)	DGBE (%)	Conductivity σ (S/m)	Permittivity ε
750	41.1	57.0	0.2	1.4	0.2	0	0.89	41.9
835	40.3	57.9	0.2	1.4	0.2	0	0.90	41.5
900	40.3	57.9	0.2	1.4	0.2	0	0.97	41.5
1800, 1900, 2000	55.2	0	0	0.3	0	44.5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

5. System Verification

5.1 Purpose of System Check

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

5.2 System Check Setup



6. TEST POSITION CONFIGURATIONS

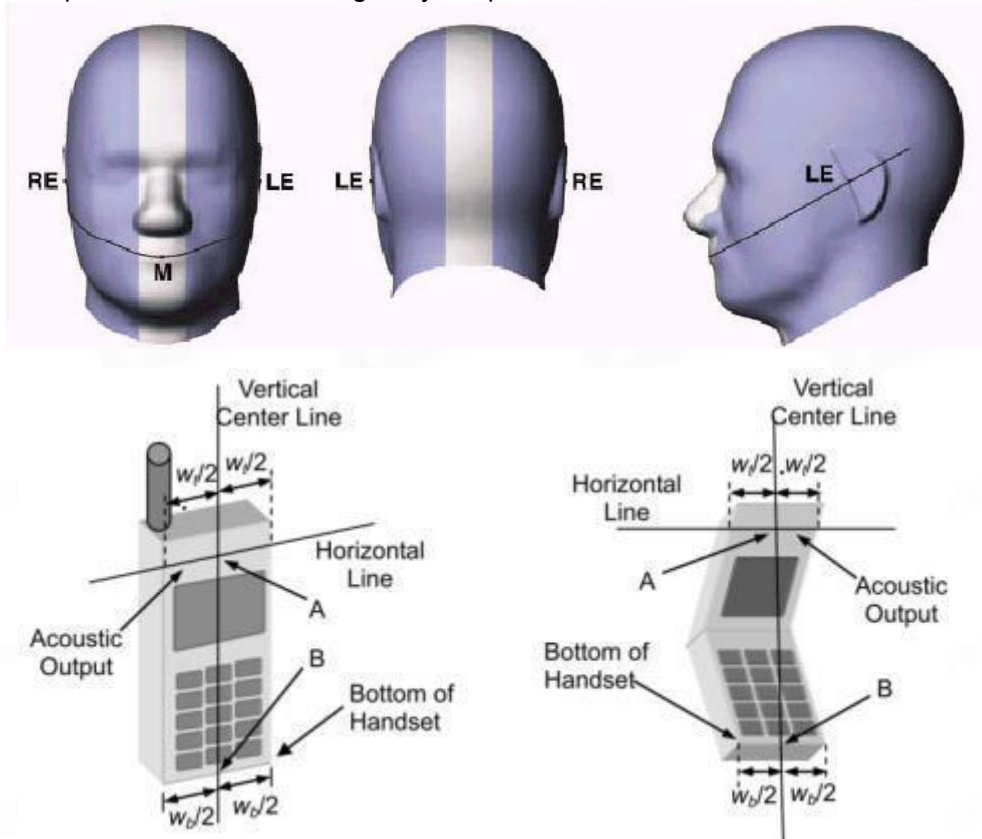
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

6.1 Head Exposure Conditions

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

6.1.1 Two Imaginary Lines on the Handset

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

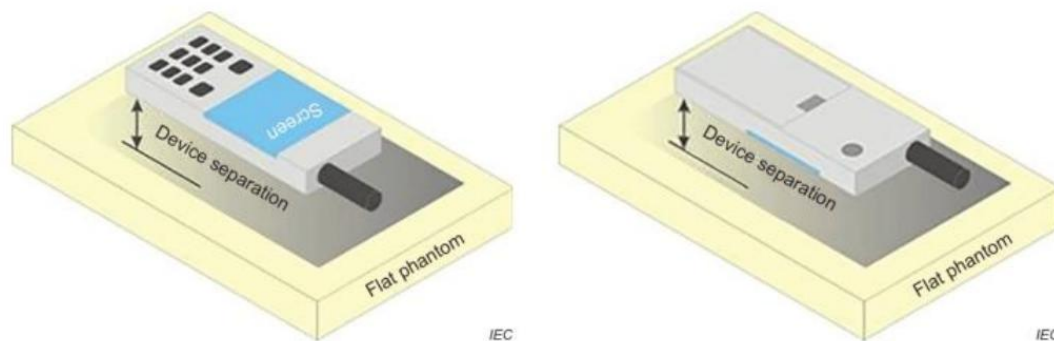


6.2 Body-worn Position Conditions

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.

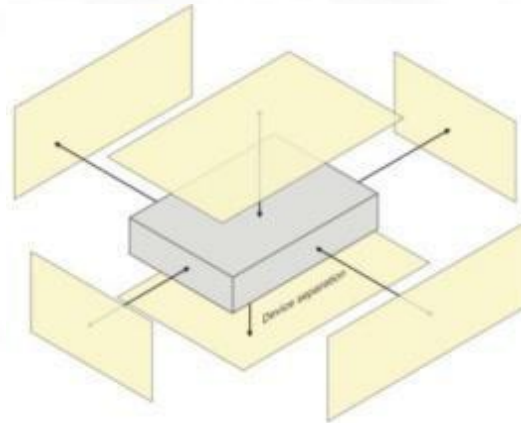
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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

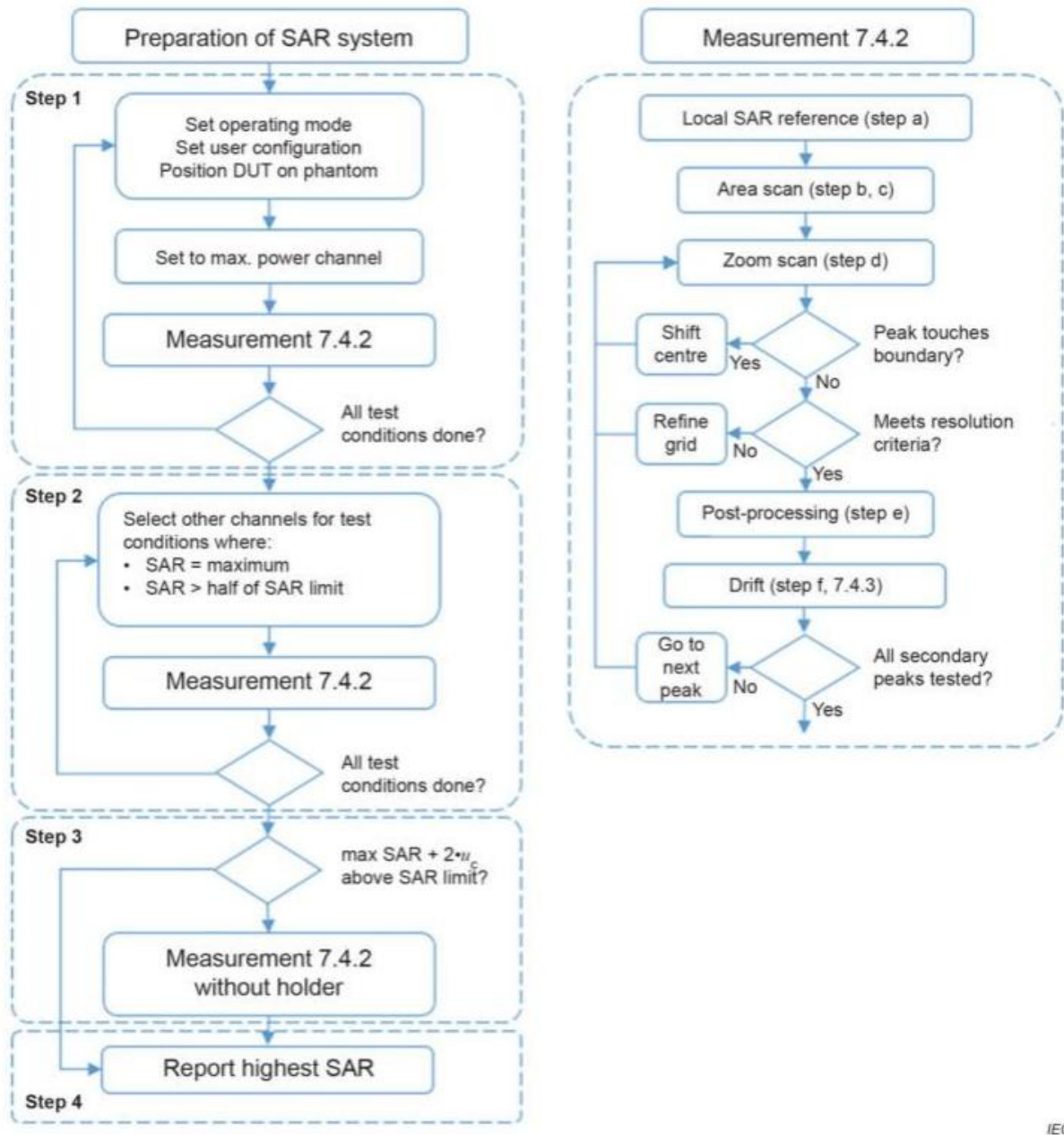
According with FCC KDB 648474 D04, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, unless it is confirmed 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



7.2 SAR Scan General Requirement

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

			≤3GHz	>3GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5±1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30°±1°	20°±1°
Maximum area scan spatial resolution: Δx Area , Δy Area			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3–4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom			≤ 2 GHz: ≤ 8 mm 2–3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: Δz Zoom (n)		≤ 5 mm	3–4 GHz: ≤ 4 mm
				4–5 GHz: ≤ 3 mm
				5–6 GHz: ≤ 2 mm
	graded grid	Δz Zoom (1): between 1st two points closest to phantom surface	≤ 4 mm	3–4 GHz: ≤ 3 mm
				4–5 GHz: ≤ 2.5 mm
				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 NSA

5G NR DC_2A_n71A SCS=30kHz SISO 20MHz NTN CC1:2 CC2:n71							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.42	9.73	12.69	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.17	10.19	12.63	19.50
			LTE: 1RB_Left NR: Outer_Full	18.57	9.95	12.14	19.00
			LTE: 1RB_Left NR: Inner_Full	19.34	9.56	12.59	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.27	9.64	12.56	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.98	9.81	13.13	20.00
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.23	9.53	12.5	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.56	9.31	12.69	20.00
			LTE: 1RB_Left NR: Outer_Full	20.11	8.83	13.03	20.50
			LTE: 1RB_Left NR: Inner_Full	19.77	8.58	12.71	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.31	9.75	11.9	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.61	9.17	12.7	20.00
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	19.73	8.55	12.67	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.14	8.33	12.15	19.50
			LTE: 1RB_Left NR: Outer_Full	19.19	8.3	12.19	19.50
			LTE: 1RB_Left NR: Inner_Full	19.27	8.12	12.21	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.16	9.98	12.56	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.05	9.96	13.22	20.50
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	20.08	9.63	13.17	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.31	10.12	12.71	19.50
			LTE: 1RB_Left NR: Outer_Full	19.29	9.58	12.55	19.50
			LTE: 1RB_Left NR: Inner_Full	19.56	9.55	12.75	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.33	9.7	12.62	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.37	10.04	12.03	18.50
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.97	9.73	13.11	20.00
			LTE: 1RB_Left	19.47	9.44	12.66	19.50

			NR: Edge_1RB_Right				
			LTE: 1RB_Left NR: Outer_Full	19.45	8.8	12.5	19.50
			LTE: 1RB_Left NR: Inner_Full	19.7	8.51	12.64	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.1	9.87	12.49	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.63	9.29	12.74	20.00
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	19.97	9.2	12.99	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.99	8.77	12.92	20.00
			LTE: 1RB_Left NR: Outer_Full	19.92	8.59	12.83	20.00
			LTE: 1RB_Left NR: Inner_Full	20.16	8.13	12.95	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.85	8.97	12.85	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.66	9.02	12.71	20.00
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.29	9.53	12.54	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.88	10.11	13.13	20.00
			LTE: 1RB_Left NR: Outer_Full	19.35	9.65	12.62	19.50
			LTE: 1RB_Left NR: Inner_Full	19.32	9.67	12.6	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.62	9.69	12.83	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.15	9.97	13.3	20.50
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.12	9.59	12.43	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.2	9.39	12.44	19.50
			LTE: 1RB_Left NR: Outer_Full	19.63	8.76	12.63	20.00
			LTE: 1RB_Left NR: Inner_Full	19.79	9.62	12.94	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.21	9.65	11.8	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.26	11.24	13.02	19.50
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.17	9.11	11.61	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.2	8.71	11.52	18.50
			LTE: 1RB_Left NR: Outer_Full	19.13	8.51	12.18	19.50
			LTE: 1RB_Left NR: Inner_Full	18.17	8.18	11.37	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.59	9.09	12.67	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.09	8.96	13.04	20.50
LTE: QPSK NR: DFT-s-OFDM 256	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.32	9.17	12.48	19.50

QAM			LTE: 1RB_Left NR: Edge_1RB_Right	19.36	9.72	12.64	19.50
			LTE: 1RB_Left NR: Outer_Full	19.34	9.28	12.52	19.50
			LTE: 1RB_Left NR: Inner_Full	19.39	9.18	12.53	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.37	9.28	12.54	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.4	9.56	12.63	19.50
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.26	9.39	12.48	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.22	9.43	12.46	19.50
			LTE: 1RB_Left NR: Outer_Full	19.84	9.07	12.86	20.00
			LTE: 1RB_Left NR: Inner_Full	19.21	8	12.14	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.25	9.48	12.5	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.06	9.24	13.07	20.50
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	19.26	8.61	12.31	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.86	8.32	12.73	20.00
			LTE: 1RB_Left NR: Outer_Full	19.31	8.09	12.24	19.50
			LTE: 1RB_Left NR: Inner_Full	18.31	7.66	11.36	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.21	8.53	12.25	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.25	8.5	12.27	19.50
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.4	9.33	12.58	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.81	11.37	13.43	20.00
			LTE: 1RB_Left NR: Outer_Full	19.41	9.6	12.65	19.50
			LTE: 1RB_Left NR: Inner_Full	19.77	9.82	12.98	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.78	11.05	13.31	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.04	10.22	12.55	19.50
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.71	9.37	12.82	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.17	9.43	13.2	20.50
			LTE: 1RB_Left NR: Outer_Full	20.15	8.4	12.98	20.50
			LTE: 1RB_Left NR: Inner_Full	19.13	8.13	12.1	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.07	9.6	12.4	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.07	9.36	12.33	19.50
		CC1:1880	LTE: 1RB_Left	20.18	8.69	13.06	20.50

		CC2:688	NR: Edge_1RB_Left				
			LTE: 1RB_Left NR: Edge_1RB_Right	19.37	8.27	12.32	19.50
			LTE: 1RB_Left NR: Outer_Full	19.61	8.43	12.55	20.00
			LTE: 1RB_Left NR: Inner_Full	19.88	7.85	12.67	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.22	8.39	12.23	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.21	8.47	12.24	19.50
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.12	9.94	12.52	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.11	10.62	13.43	20.50
			LTE: 1RB_Left NR: Outer_Full	20.16	9.96	13.31	20.50
			LTE: 1RB_Left NR: Inner_Full	19.13	9.78	12.49	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.16	10.2	13.36	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.93	10.41	13.24	20.00
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.98	9.54	13.07	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.25	9.64	11.82	18.50
			LTE: 1RB_Left NR: Outer_Full	20.14	8.78	13.04	20.50
			LTE: 1RB_Left NR: Inner_Full	20.13	8.05	12.91	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.58	9.82	12.83	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.22	9.47	12.47	19.50
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	19.31	8.75	12.38	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.25	8.49	12.27	19.50
			LTE: 1RB_Left NR: Outer_Full	19.45	8.14	12.36	19.50
			LTE: 1RB_Left NR: Inner_Full	19.21	7.63	12.07	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.48	8.66	12.49	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.25	8.69	13.12	20.50
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	19.86	9.82	13.04	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.79	10.43	13.15	20.00
			LTE: 1RB_Left NR: Outer_Full	20	9.94	13.18	20.50
			LTE: 1RB_Left NR: Inner_Full	20.09	9.93	13.25	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.94	10.07	13.16	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.25	10.32	12.73	19.50

		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.83	9.6	12.97	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.1	9.59	13.18	20.50
			LTE: 1RB_Left NR: Outer_Full	19.75	8.71	12.72	20.00
			LTE: 1RB_Left NR: Inner_Full	19.12	8.07	12.08	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.27	9.72	12.58	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.31	9.35	12.51	19.50
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	19.23	8.64	12.29	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.61	8.42	12.55	20.00
			LTE: 1RB_Left NR: Outer_Full	19.34	8.11	12.27	19.50
			LTE: 1RB_Left NR: Inner_Full	19.28	7.75	12.15	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.63	8.65	12.61	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.87	8.73	12.03	19.00
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:1880 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.18	7.86	11.3	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.8	8.45	12.71	20.00
			LTE: 1RB_Left NR: Outer_Full	18.2	7.91	11.33	18.50
			LTE: 1RB_Left NR: Inner_Full	19.19	7.74	12.08	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.17	7.97	12.93	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.09	8.31	12.92	20.50
		CC1:1880 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.28	7.48	12.1	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.57	7.51	12.35	20.00
			LTE: 1RB_Left NR: Outer_Full	19.3	6.59	11.98	19.50
			LTE: 1RB_Left NR: Inner_Full	19.92	6.1	12.46	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.88	7.6	12.62	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.18	7.35	12.84	20.50
		CC1:1880 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	20.15	8.24	12.96	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.1	7.66	12.82	20.50
			LTE: 1RB_Left NR: Outer_Full	19.26	6.05	11.87	19.50
			LTE: 1RB_Left NR: Inner_Full	19.93	6.99	12.58	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.37	8.04	12.28	19.50
			LTE: 1RB_Left	20.03	7.81	12.78	20.50

			NR: Inner_1RB_Right				
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5G NR DC_12A_n25A SCS=30kHz SISO 20MHz NTNv CC1:12 CC2:n25							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20	12.97	14.11	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.85	13.96	14.69	20.00
			LTE: 1RB_Left NR: Outer_Full	20.43	13.17	14.4	20.50
			LTE: 1RB_Left NR: Inner_Full	20.2	12.93	14.16	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.81	12.96	14.03	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.72	13.77	14.52	20.00
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	20.42	13.9	14.84	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.86	13.27	14.24	20.00
			LTE: 1RB_Left NR: Outer_Full	20.17	13.09	14.25	20.50
			LTE: 1RB_Left NR: Inner_Full	19.84	12.73	13.9	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.77	13.85	14.28	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.91	13.1	14.15	20.00
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.83	12.65	13.84	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.78	12.39	13.67	20.00
			LTE: 1RB_Left NR: Outer_Full	19.37	12.35	13.48	19.50
			LTE: 1RB_Left NR: Inner_Full	19.32	11.72	13.09	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.06	12.42	13.8	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.88	12.37	13.7	20.00
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20.45	-44.41	10.45	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.8	-44.47	9.8	20.00
			LTE: 1RB_Left NR: Outer_Full	20.26	13.02	14.24	20.50
			LTE: 1RB_Left NR: Inner_Full	19.79	13.31	14.24	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.96	13.68	14.54	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.07	14.37	15.04	20.50
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	20.34	13.96	14.85	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.44	13.28	14.47	20.50
			LTE: 1RB_Left	20.33	13.03	14.27	20.50

			NR: Outer_Full				
			LTE: 1RB_Left NR: Inner_Full	19.78	12.78	13.9	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	20.41	13.97	14.89	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.78	13.31	14.24	20.00
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.94	12.52	13.81	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.46	12.42	13.56	19.50
			LTE: 1RB_Left NR: Outer_Full	20.14	12.05	13.63	20.50
			LTE: 1RB_Left NR: Inner_Full	20.08	11.66	13.39	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.88	12.52	13.79	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.56	12.47	14.05	21.00
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20.39	13.32	14.47	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.9	14.19	14.86	20.00
			LTE: 1RB_Left NR: Outer_Full	20.48	13.45	14.59	20.50
			LTE: 1RB_Left NR: Inner_Full	19.75	13.19	14.15	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	20.36	13.31	14.45	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.78	13.97	14.67	20.00
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.91	13.85	14.63	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.31	12.96	14.22	20.50
			LTE: 1RB_Left NR: Outer_Full	19.9	12.98	14.07	20.00
			LTE: 1RB_Left NR: Inner_Full	20.42	12.81	14.18	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.83	13.82	14.59	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.81	13.13	14.13	20.00
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.2	12.39	13.44	19.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.19	12.28	13.37	19.50
			LTE: 1RB_Left NR: Outer_Full	20	11.97	13.52	20.50
			LTE: 1RB_Left NR: Inner_Full	20.01	11.68	13.37	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20	12.4	13.77	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.03	12.34	13.74	20.50
LTE: QPSK NR: DFT-s-OFDM 256 QAM	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	19.59	12.99	13.96	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.46	13.9	14.86	20.50

			LTE: 1RB_Left NR: Outer_Full	20.17	13.14	14.28	20.50
			LTE: 1RB_Left NR: Inner_Full	20.15	12.82	14.08	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.19	13.02	14.21	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.36	13.8	14.76	20.50
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	20.27	13.64	14.63	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.42	13.24	14.43	20.50
			LTE: 1RB_Left NR: Outer_Full	20.28	12.92	14.19	20.50
			LTE: 1RB_Left NR: Inner_Full	20.29	12.6	14	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.2	13.83	14.72	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.36	12.95	14.24	20.50
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	20.08	12.36	13.78	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.01	12.23	13.67	20.50
			LTE: 1RB_Left NR: Outer_Full	20.06	11.95	13.54	20.50
			LTE: 1RB_Left NR: Inner_Full	20.02	9.98	12.54	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.07	12.37	13.78	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.27	-45.23	10.27	20.50
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20.29	12.7	14.06	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.34	13.8	14.75	20.50
			LTE: 1RB_Left NR: Outer_Full	20.33	13.09	14.31	20.50
			LTE: 1RB_Left NR: Inner_Full	20.23	12.66	14.01	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.85	12.9	14.01	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.76	13.7	14.48	20.00
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	19.84	13.64	14.47	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.89	13.03	14.1	20.00
			LTE: 1RB_Left NR: Outer_Full	19.91	12.91	14.03	20.00
			LTE: 1RB_Left NR: Inner_Full	19.89	12.62	13.85	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	20.35	13.59	14.62	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.83	12.95	14.03	20.00
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.98	12.55	13.85	20.00
			LTE: 1RB_Left	19.92	12.42	13.74	20.00

			NR: Edge_1RB_Right				
			LTE: 1RB_Left NR: Outer_Full	19.99	12.08	13.58	20.00
			LTE: 1RB_Left NR: Inner_Full	19.84	11.71	13.31	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.89	12.43	13.74	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.42	12.35	13.92	20.50
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20.33	12.86	14.17	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	19.78	14.03	14.71	20.00
			LTE: 1RB_Left NR: Outer_Full	20.3	12.88	14.17	20.50
			LTE: 1RB_Left NR: Inner_Full	20.25	12.63	14	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.26	12.85	14.14	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.24	13.68	14.64	20.50
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	20.37	13.79	14.76	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.31	13.24	14.39	20.50
			LTE: 1RB_Left NR: Outer_Full	20.3	12.96	14.22	20.50
			LTE: 1RB_Left NR: Inner_Full	20.28	12.36	13.86	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.82	13.78	14.56	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	20.25	13.18	14.33	20.50
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.95	12.51	13.81	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	19.88	12.32	13.67	20.00
			LTE: 1RB_Left NR: Outer_Full	19.81	12.04	13.48	20.00
			LTE: 1RB_Left NR: Inner_Full	19.35	11.64	13.05	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.14	12.47	13.87	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.84	12.39	13.69	20.00
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	19.74	13.11	14.1	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.31	13.84	14.77	20.50
			LTE: 1RB_Left NR: Outer_Full	20.38	12.93	14.23	20.50
			LTE: 1RB_Left NR: Inner_Full	20.36	12.69	14.09	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.28	12.94	14.2	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.26	13.74	14.68	20.50
		CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	18.68	13.62	14.09	19.00

			LTE: 1RB_Left NR: Edge_1RB_Right	19.78	13.31	14.24	20.00
			LTE: 1RB_Left NR: Outer_Full	19.84	12.98	14.05	20.00
			LTE: 1RB_Left NR: Inner_Full	20.36	12.58	14.02	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	20.41	13.71	14.72	20.50
			LTE: 1RB_Left NR: Inner_1RB_Right	20.39	12.99	14.27	20.50
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	19.93	12.51	13.8	20.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20	12.36	13.74	20.50
			LTE: 1RB_Left NR: Outer_Full	20.1	11.98	13.57	20.50
			LTE: 1RB_Left NR: Inner_Full	20.06	11.67	13.39	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.85	12.52	13.78	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.27	12.42	13.49	19.50
		CC1:707.5 CC2:1860	LTE: 1RB_Left NR: Edge_1RB_Left	20.21	12.82	14.1	20.50
			LTE: 1RB_Left NR: Edge_1RB_Right	20.24	13.81	14.72	20.50
			LTE: 1RB_Left NR: Outer_Full	20.29	12.84	14.14	20.50
			LTE: 1RB_Left NR: Inner_Full	20.23	12.62	13.99	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.77	12.86	13.95	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.76	13.68	14.47	20.00
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:707.5 CC2:1882.5	LTE: 1RB_Left NR: Edge_1RB_Left	18.89	13.81	14.29	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.5	13.26	14.48	21.00
			LTE: 1RB_Left NR: Outer_Full	19.74	12.87	13.94	20.00
			LTE: 1RB_Left NR: Inner_Full	18.94	12.64	13.51	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	19.93	13.78	14.6	20.00
			LTE: 1RB_Left NR: Inner_1RB_Right	19.79	13.19	14.16	20.00
		CC1:707.5 CC2:1905	LTE: 1RB_Left NR: Edge_1RB_Left	20.51	12.43	14	21.00
			LTE: 1RB_Left NR: Edge_1RB_Right	20.1	12.27	13.73	20.50
			LTE: 1RB_Left NR: Outer_Full	20.05	11.96	13.54	20.50
			LTE: 1RB_Left NR: Inner_Full	20.03	11.6	13.33	20.50
			LTE: 1RB_Left NR: Inner_1RB_Left	19.26	12.43	13.49	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	19.99	12.36	13.74	20.00

5G NR DC_12A_n77A SCS=30kHz SISO 100MHz NTNv CC1:12 CC2:n77							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.94	18.45	18.45	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.99	18.44	18.44	18.50
			LTE: 1RB_Left NR: Outer_Full	-10.93	19.59	19.59	20.00
			LTE: 1RB_Left NR: Inner_Full	-11.03	19.36	19.36	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.94	18.46	18.46	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.93	18.56	18.56	19.00
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.94	17.7	17.7	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.96	17.5	17.5	18.00
			LTE: 1RB_Left NR: Outer_Full	-10.96	18.53	18.53	19.00
			LTE: 1RB_Left NR: Inner_Full	-10.88	18.34	18.34	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.97	17.73	17.73	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.96	17.62	17.62	18.00
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.96	17.46	17.46	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.93	17.15	17.15	17.50
			LTE: 1RB_Left NR: Outer_Full	-10.97	18.34	18.34	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.98	18.14	18.14	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.93	17.49	17.49	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.04	17.29	17.29	17.50
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.69	13.1	13.1	13.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.85	13.24	13.24	13.50
			LTE: 1RB_Left NR: Outer_Full	-10.99	19.48	19.48	19.50
			LTE: 1RB_Left NR: Inner_Full	-10.84	13.48	12.97	13.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.91	13.62	18.71	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.79	12.61	12.61	13.00
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.97	17.63	17.63	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-11	17.4	17.4	17.50
			LTE: 1RB_Left NR: Outer_Full	-10.87	18.44	18.44	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.93	18.27	18.27	18.50

			LTE: 1RB_Left NR: Inner_1RB_Left	-10.95	17.66	17.66	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.01	17.53	17.53	18.00
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.93	17.46	17.46	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.98	17.16	17.16	17.50
			LTE: 1RB_Left NR: Outer_Full	-11	18.25	18.25	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.92	18.07	18.07	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11.01	17.5	17.5	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.96	17.26	17.26	17.50
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.9	18.59	18.59	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.05	18.64	18.64	19.00
			LTE: 1RB_Left NR: Outer_Full	-10.97	19.73	19.73	20.00
			LTE: 1RB_Left NR: Inner_Full	-11.09	19.73	19.73	20.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.98	11.95	11.95	12.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.77	13	13	13.50
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.9	17.53	17.53	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.88	17.33	17.33	17.50
			LTE: 1RB_Left NR: Outer_Full	-11.08	18.41	18.41	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.93	18.26	18.26	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.98	17.65	17.65	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.98	17.46	17.46	17.50
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.98	17.25	17.25	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.01	16.95	16.95	17.00
			LTE: 1RB_Left NR: Outer_Full	-10.95	18.24	18.24	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.94	18.05	18.05	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.98	17.27	17.27	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.96	17.09	17.09	17.50
LTE: QPSK NR: DFT-s-OFDM 256 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-11	17.07	17.07	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.98	17.04	17.04	17.50
			LTE: 1RB_Left NR: Outer_Full	-11.01	17.84	17.84	18.00
			LTE: 1RB_Left	-10.97	18.09	18.09	18.50

			NR: Inner_Full				
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.93	17.06	17.06	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.02	17.15	17.15	17.50
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.93	16.49	16.49	16.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.93	16.29	16.29	16.50
			LTE: 1RB_Left NR: Outer_Full	-10.84	17.07	17.07	17.50
			LTE: 1RB_Left NR: Inner_Full	-10.91	17.37	17.37	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.95	16.54	16.54	17.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.89	16.42	16.42	16.50
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.98	16.22	16.22	16.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.01	15.9	15.9	16.00
			LTE: 1RB_Left NR: Outer_Full	-11.03	16.86	16.86	17.00
			LTE: 1RB_Left NR: Inner_Full	-11.03	17.16	17.16	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11.04	16.26	16.26	16.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.98	16.05	16.05	16.50
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.94	18.55	18.55	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.93	18.49	18.49	18.50
			LTE: 1RB_Left NR: Outer_Full	-10.89	19.58	19.58	20.00
			LTE: 1RB_Left NR: Inner_Full	-10.98	19.35	19.35	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.94	18.61	18.61	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.01	18.6	18.6	19.00
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.9	17.47	17.47	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.86	17.27	17.27	17.50
			LTE: 1RB_Left NR: Outer_Full	-10.89	18.26	18.26	18.50
			LTE: 1RB_Left NR: Inner_Full	-10.94	18.11	18.11	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.84	17.56	17.56	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.89	17.4	17.4	17.50
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.98	17.22	17.22	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.97	16.94	16.94	17.00
			LTE: 1RB_Left NR: Outer_Full	-10.93	18.07	18.07	18.50

			LTE: 1RB_Left NR: Inner_Full	-10.77	13.39	13.39	13.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11	17.3	17.3	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.04	17.05	17.05	17.50
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.99	18.54	18.54	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.98	18.5	18.5	19.00
			LTE: 1RB_Left NR: Outer_Full	-10.92	19.48	19.48	19.50
			LTE: 1RB_Left NR: Inner_Full	-11	19.3	19.3	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.97	18.58	18.58	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.93	18.59	18.59	19.00
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.96	17.53	17.53	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.92	17.34	17.34	17.50
			LTE: 1RB_Left NR: Outer_Full	-10.99	18.24	18.24	18.50
			LTE: 1RB_Left NR: Inner_Full	-11.02	18.1	18.1	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.94	17.66	17.66	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-11	17.52	17.52	18.00
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-10.96	17.44	17.44	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.01	17.1	17.1	17.50
			LTE: 1RB_Left NR: Outer_Full	-11.07	18.12	18.12	18.50
			LTE: 1RB_Left NR: Inner_Full	-11.01	18.05	18.05	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11.01	13.27	13.27	13.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.03	17.41	17.41	17.50
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-10.89	18.54	18.54	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.96	18.5	18.5	19.00
			LTE: 1RB_Left NR: Outer_Full	-10.98	19	19	19.50
			LTE: 1RB_Left NR: Inner_Full	-10.95	19.26	19.26	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.88	18.6	18.6	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.95	18.64	18.64	19.00
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-10.95	17.6	17.6	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.98	17.4	17.4	17.50
			LTE: 1RB_Left	-10.94	17.82	17.82	18.00

			NR: Outer_Full				
			LTE: 1RB_Left NR: Inner_Full	-10.91	18.09	18.09	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.92	17.69	17.69	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.97	17.54	17.54	18.00
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-11.03	17.52	17.52	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-10.99	17.24	17.24	17.50
			LTE: 1RB_Left NR: Outer_Full	-11.05	17.78	17.78	18.00
			LTE: 1RB_Left NR: Inner_Full	-11.03	18.01	18.01	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11.02	17.59	17.59	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-11.01	17.4	17.4	17.50
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:707.5 CC2:3750	LTE: 1RB_Left NR: Edge_1RB_Left	-11.05	14.07	14.07	14.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.01	14.16	14.16	14.50
			LTE: 1RB_Left NR: Outer_Full	-10.99	14.79	14.79	15.00
			LTE: 1RB_Left NR: Inner_Full	-10.99	15.1	15.1	15.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-11.08	14.14	14.14	14.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.9	14.27	14.27	14.50
		CC1:707.5 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-11.02	14.73	14.73	15.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-11.02	14.56	14.56	15.00
			LTE: 1RB_Left NR: Outer_Full	-11.01	15.22	15.22	15.50
			LTE: 1RB_Left NR: Inner_Full	-11.06	15.52	15.52	16.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.97	14.83	14.83	15.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.98	14.71	14.71	15.00
		CC1:707.5 CC2:3930	LTE: 1RB_Left NR: Edge_1RB_Left	-11.04	14.8	14.8	15.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-11	14.55	14.55	15.00
			LTE: 1RB_Left NR: Outer_Full	-10.91	15.28	15.28	15.50
			LTE: 1RB_Left NR: Inner_Full	-10.95	15.54	15.54	16.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-10.96	14.87	14.87	15.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-10.99	14.68	14.68	15.00

5G NR DC_66A_n41A SCS=30kHz SISO 100MHz NTNv CC1:66 CC2:n41							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.56	12.01	17.87	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.67	11.6	17.85	19.00
			LTE: 1RB_Left NR: Outer_Full	18.84	12.31	18.15	19.00
			LTE: 1RB_Left NR: Inner_Full	18.56	11.94	17.85	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.66	12.04	17.95	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.65	11.83	17.89	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.47	12.79	18.02	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.52	13.96	18.44	19.00
			LTE: 1RB_Left NR: Outer_Full	18.47	15.07	18.84	19.00
			LTE: 1RB_Left NR: Inner_Full	18.09	14.39	18.33	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.79	12.77	18.24	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.84	14.09	18.69	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.75	14.09	18.63	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.76	14.59	18.82	19.00
			LTE: 1RB_Left NR: Outer_Full	18.83	15.48	19.22	19.50
			LTE: 1RB_Left NR: Inner_Full	18.77	15.54	19.21	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.33	14.86	18.67	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.92	14.85	19.02	19.50
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.62	11.9	17.88	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.8	11.45	17.91	19.00
			LTE: 1RB_Left NR: Outer_Full	18.39	12.19	17.79	18.50
			LTE: 1RB_Left NR: Inner_Full	18.42	11.96	17.75	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.71	11.96	17.96	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.76	11.69	17.94	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.67	12.7	18.13	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.65	13.93	18.51	19.00
			LTE: 1RB_Left NR: Outer_Full	18.52	15.07	18.87	19.00
			LTE: 1RB_Left NR: Inner_Full	18.72	13.97	18.57	19.00

			LTE: 1RB_Left NR: Inner_1RB_Left	18.65	12.74	18.13	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.89	14.03	18.7	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.71	14.06	18.59	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.85	14.34	18.78	19.00
			LTE: 1RB_Left NR: Outer_Full	18.82	15.46	19.2	19.50
			LTE: 1RB_Left NR: Inner_Full	18.33	15.51	18.95	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	17.47	14.01	17.81	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.74	14.77	18.88	19.00
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.7	11.97	17.96	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.52	11.53	17.72	19.00
			LTE: 1RB_Left NR: Outer_Full	18.44	12.19	17.83	18.50
			LTE: 1RB_Left NR: Inner_Full	19.07	11.95	18.23	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.64	12.02	17.93	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.56	11.76	17.8	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.62	12.81	18.13	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.71	14.04	18.59	19.00
			LTE: 1RB_Left NR: Outer_Full	18.58	14.12	18.53	19.00
			LTE: 1RB_Left NR: Inner_Full	18.75	14	18.6	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.77	12.82	18.24	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.44	14.15	18.45	18.50
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.75	14.03	18.61	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.93	14.6	18.93	19.00
			LTE: 1RB_Left NR: Outer_Full	18.71	15.44	19.13	19.50
			LTE: 1RB_Left NR: Inner_Full	18.78	15.49	19.19	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.92	14.02	18.72	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.84	14.99	19.02	19.50
LTE: QPSK NR: DFT-s-OFDM 256 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.53	11.72	17.77	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.71	11.27	17.8	19.00
			LTE: 1RB_Left NR: Outer_Full	18.62	11.55	17.8	19.00
			LTE: 1RB_Left	18.41	11.72	17.68	18.50

			NR: Inner_Full				
			LTE: 1RB_Left NR: Inner_1RB_Left	19.14	11.29	18.14	19.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.57	11.51	17.75	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.21	12.57	17.77	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.77	13.79	18.54	19.00
			LTE: 1RB_Left NR: Outer_Full	18.72	13.57	18.43	19.00
			LTE: 1RB_Left NR: Inner_Full	18.78	13.76	18.54	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.71	12.58	18.13	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.61	13.91	18.48	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.76	13.76	18.52	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.74	14.28	18.69	19.00
			LTE: 1RB_Left NR: Outer_Full	18.4	14.85	18.7	19.00
			LTE: 1RB_Left NR: Inner_Full	18.59	15.28	18.99	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.71	13.79	18.5	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.44	14.5	18.59	19.00
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.76	11.84	17.97	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.91	11.44	17.99	19.00
			LTE: 1RB_Left NR: Outer_Full	18.87	12.13	18.13	19.00
			LTE: 1RB_Left NR: Inner_Full	18.58	11.86	17.84	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.93	11.89	18.11	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.6	11.69	17.82	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.57	12.59	18.03	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.5	13.71	18.34	19.00
			LTE: 1RB_Left NR: Outer_Full	18.67	14.02	18.55	19.00
			LTE: 1RB_Left NR: Inner_Full	18.87	13.85	18.63	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.8	12.6	18.2	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.52	13.99	18.45	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.68	13.84	18.5	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	17.73	14.46	18.15	18.50
			LTE: 1RB_Left NR: Outer_Full	18.72	15.23	19.05	19.50

			LTE: 1RB_Left NR: Inner_Full	18.82	15.23	19.11	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.73	13.81	18.52	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.62	14.68	18.77	19.00
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.64	11.85	17.88	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.82	11.4	17.92	19.00
			LTE: 1RB_Left NR: Outer_Full	18.35	12.12	17.74	18.50
			LTE: 1RB_Left NR: Inner_Full	18.78	11.89	18	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.74	11.91	17.97	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.52	11.66	17.75	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.38	12.79	17.96	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.75	13.96	18.59	19.00
			LTE: 1RB_Left NR: Outer_Full	18.95	13.97	18.72	19.00
			LTE: 1RB_Left NR: Inner_Full	18.77	13.95	18.6	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.89	12.82	18.33	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.92	14.09	18.74	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.41	13.86	18.33	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.79	14.73	18.89	19.00
			LTE: 1RB_Left NR: Outer_Full	18.74	15.21	19.05	19.50
			LTE: 1RB_Left NR: Inner_Full	18.86	15.24	19.14	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.71	13.91	18.54	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.6	14.69	18.76	19.00
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.51	11.94	17.81	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.68	11.51	17.83	19.00
			LTE: 1RB_Left NR: Outer_Full	18.52	12.13	17.87	19.00
			LTE: 1RB_Left NR: Inner_Full	18.41	11.89	17.72	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.63	11.99	17.91	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.56	11.76	17.8	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.64	12.87	18.16	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.57	14.08	18.51	19.00
			LTE: 1RB_Left	18.84	14.12	18.7	19.00

			NR: Outer_Full				
			LTE: 1RB_Left NR: Inner_Full	17.76	13.96	17.96	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.79	12.9	18.28	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.84	14.2	18.73	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.75	13.92	18.57	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.55	14.39	18.61	19.00
			LTE: 1RB_Left NR: Outer_Full	18.53	15.19	18.92	19.00
			LTE: 1RB_Left NR: Inner_Full	18.71	15.22	19.04	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.64	13.98	18.52	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.82	14.75	18.92	19.00
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:1745 CC2:2546.01	LTE: 1RB_Left NR: Edge_1RB_Left	18.85	10.88	17.83	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.48	10.49	17.46	18.50
			LTE: 1RB_Left NR: Outer_Full	18.64	10.62	17.61	19.00
			LTE: 1RB_Left NR: Inner_Full	18.94	10.91	17.91	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.78	10.94	17.79	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.85	10.75	17.8	19.00
		CC1:1745 CC2:2592.99	LTE: 1RB_Left NR: Edge_1RB_Left	18.94	11.17	17.96	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.85	12.33	18.16	19.00
			LTE: 1RB_Left NR: Outer_Full	18.78	11.99	18.02	19.00
			LTE: 1RB_Left NR: Inner_Full	18.59	12.33	17.97	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.74	11.19	17.81	19.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.65	12.47	18.05	19.00
		CC1:1745 CC2:2640	LTE: 1RB_Left NR: Edge_1RB_Left	18.56	12.05	17.88	19.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.86	12.4	18.19	19.00
			LTE: 1RB_Left NR: Outer_Full	18.7	12.83	18.19	19.00
			LTE: 1RB_Left NR: Inner_Full	18.58	13.37	18.28	19.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.32	12.09	17.71	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.66	12.64	18.11	19.00

5G NR DC 66A n71A SCS=30kHz SISO 20MHz NTN/ CC1:66 CC2:n71							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.11	11.18	14.16	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.13	11.01	14.08	18.50
			LTE: 1RB_Left NR: Outer_Full	17.83	11.22	14.04	18.00
			LTE: 1RB_Left NR: Inner_Full	18.11	10.88	14.01	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.21	11.09	14.16	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.08	10.9	14	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	17.88	11.07	13.99	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.21	11.01	14.12	18.50
			LTE: 1RB_Left NR: Outer_Full	17.48	10.24	13.37	17.50
			LTE: 1RB_Left NR: Inner_Full	17	9.59	12.81	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.14	11.13	14.15	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.16	10.83	14.01	18.50
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	16.98	10.46	13.24	17.00
			LTE: 1RB_Left NR: Edge_1RB_Right	15.91	10.09	12.55	16.00
			LTE: 1RB_Left NR: Outer_Full	17.91	9.93	13.46	18.00
			LTE: 1RB_Left NR: Inner_Full	18.22	9.44	13.43	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.14	10.4	13.8	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.14	10.35	13.77	18.50
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.24	10.61	13.95	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.17	10.62	13.91	18.50
			LTE: 1RB_Left NR: Outer_Full	17.32	10.41	13.38	17.50
			LTE: 1RB_Left NR: Inner_Full	18.17	10.64	13.92	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.17	11.06	14.13	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.13	10.84	14	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	18.06	10.6	13.85	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.32	10.45	13.92	18.50
			LTE: 1RB_Left NR: Outer_Full	18.14	9.54	13.42	18.50
			LTE: 1RB_Left NR: Inner_Full	18.16	9.36	13.36	18.50

			LTE: 1RB_Left NR: Inner_1RB_Left	18.27	11.02	14.16	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.09	10.69	13.9	18.50
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.11	9.96	13.58	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.2	9.6	13.48	18.50
			LTE: 1RB_Left NR: Outer_Full	18.12	9.24	13.29	18.50
			LTE: 1RB_Left NR: Inner_Full	18.23	9.21	13.35	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.18	10.28	13.76	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	17.69	10.27	13.5	18.00
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.16	10.04	13.65	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.14	10.14	13.68	18.50
			LTE: 1RB_Left NR: Outer_Full	18.14	9.83	13.54	18.50
			LTE: 1RB_Left NR: Inner_Full	18.36	9.8	13.66	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.56	10.15	13.37	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.13	9.96	13.59	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	18.21	10.03	13.67	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	17.37	10.01	13.2	17.50
			LTE: 1RB_Left NR: Outer_Full	17.12	9.03	12.62	17.50
			LTE: 1RB_Left NR: Inner_Full	18.11	8.6	13.04	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.35	10.09	13.78	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	17.48	9.81	13.17	17.50
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.2	9.43	13.41	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.19	9.01	13.25	18.50
			LTE: 1RB_Left NR: Outer_Full	18.41	8.7	13.27	18.50
			LTE: 1RB_Left NR: Inner_Full	17.15	8.39	12.37	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.17	9.35	13.36	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.19	9.3	13.36	18.50
LTE: QPSK NR: DFT-s-OFDM 256 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.2	8.82	13.18	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.28	8.97	13.29	18.50
			LTE: 1RB_Left NR: Outer_Full	17.44	8.6	12.63	17.50
			LTE: 1RB_Left	18.38	8.48	13.18	18.50

			NR: Inner_Full				
			LTE: 1RB_Left NR: Inner_1RB_Left	18.33	8.93	13.3	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.28	8.78	13.22	18.50
			LTE: 1RB_Left NR: Edge_1RB_Left	18.13	8.74	13.11	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.22	8.75	13.17	18.50
			LTE: 1RB_Left NR: Outer_Full	18.21	7.74	12.82	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Inner_Full	18.1	7.29	12.61	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.97	8.79	13.03	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.14	8.54	13.04	18.50
			LTE: 1RB_Left NR: Edge_1RB_Left	18.22	8.17	12.97	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.17	7.71	12.79	18.50
			LTE: 1RB_Left NR: Outer_Full	17.93	7.43	12.53	18.00
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Inner_Full	15.92	7.08	11.11	16.00
			LTE: 1RB_Left NR: Inner_1RB_Left	17.01	8.1	12.17	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.19	8.01	12.9	18.50
			LTE: 1RB_Left NR: Edge_1RB_Left	18.09	9.94	13.56	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.1	10.08	13.63	18.50
			LTE: 1RB_Left NR: Outer_Full	17.95	10	13.51	18.00
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Inner_Full	18.09	10.3	13.72	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.31	10.6	13.98	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.12	10.43	13.8	18.50
			LTE: 1RB_Left NR: Edge_1RB_Left	18.19	9.9	13.6	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18	9.93	13.51	18.50
			LTE: 1RB_Left NR: Outer_Full	18.04	9.2	13.23	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Inner_Full	18.01	9.1	13.17	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.97	10.52	13.76	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.04	10.27	13.68	18.50
			LTE: 1RB_Left NR: Edge_1RB_Left	15.96	9.38	12.19	16.00
			LTE: 1RB_Left NR: Edge_1RB_Right	18.1	8.92	13.16	18.50
			LTE: 1RB_Left NR: Outer_Full	18.2	8.88	13.2	18.50

			LTE: 1RB_Left NR: Inner_Full	18.17	8.94	13.21	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.3	9.85	13.09	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.15	9.78	13.53	18.50
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.06	9.78	13.48	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.09	9.9	13.55	18.50
			LTE: 1RB_Left NR: Outer_Full	18.37	9.53	13.56	18.50
			LTE: 1RB_Left NR: Inner_Full	18.06	9.75	13.46	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.19	10.3	13.78	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.17	10.15	13.7	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	18.22	9.71	13.54	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.03	9.76	13.45	18.50
			LTE: 1RB_Left NR: Outer_Full	17.71	8.77	12.86	18.00
			LTE: 1RB_Left NR: Inner_Full	18.01	8.59	12.98	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.04	10.21	13.66	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	17.99	10	13.53	18.00
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.19	9.23	13.33	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.21	8.73	13.15	18.50
			LTE: 1RB_Left NR: Outer_Full	18.12	8.43	12.99	18.50
			LTE: 1RB_Left NR: Inner_Full	17.43	8.39	12.54	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.84	9.54	13.25	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.15	9.49	13.41	18.50
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.07	9.29	13.28	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	17.06	9.42	12.76	17.50
			LTE: 1RB_Left NR: Outer_Full	18.07	9.01	13.17	18.50
			LTE: 1RB_Left NR: Inner_Full	18.15	9.81	13.54	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.28	10.31	13.83	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.06	10.15	13.64	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	17.66	9.19	13	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	17.74	9.21	13.05	18.00
			LTE: 1RB_Left	18.17	8.14	12.92	18.50

			NR: Outer_Full				
			LTE: 1RB_Left NR: Inner_Full	18.07	8.68	13.05	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	17.21	10.28	13.26	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.11	10.04	13.62	18.50
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.12	8.61	13.05	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	15.96	8.17	11.59	16.00
			LTE: 1RB_Left NR: Outer_Full	18.17	7.8	12.81	18.50
			LTE: 1RB_Left NR: Inner_Full	17.82	8.46	12.81	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	18.04	9.6	13.39	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.18	9.47	13.42	18.50
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:1745 CC2:673	LTE: 1RB_Left NR: Edge_1RB_Left	18.16	7.24	12.64	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.27	7.49	12.79	18.50
			LTE: 1RB_Left NR: Outer_Full	16.21	6.98	11.25	16.50
			LTE: 1RB_Left NR: Inner_Full	18.2	6.85	12.56	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.32	7.41	12.8	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.33	7.36	12.79	18.50
		CC1:1745 CC2:680.5	LTE: 1RB_Left NR: Edge_1RB_Left	17.2	7.21	11.97	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.04	7.24	12.55	18.50
			LTE: 1RB_Left NR: Outer_Full	18.35	6.21	12.51	18.50
			LTE: 1RB_Left NR: Inner_Full	18.07	5.8	12.2	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	18.16	7.29	12.65	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	18.08	7.11	12.54	18.50
		CC1:1745 CC2:688	LTE: 1RB_Left NR: Edge_1RB_Left	18.08	6.55	12.39	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	18.03	6.01	12.22	18.50
			LTE: 1RB_Left NR: Outer_Full	18.03	5.76	12.16	18.50
			LTE: 1RB_Left NR: Inner_Full	17.98	5.42	12.05	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	17.95	6.51	12.28	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	18.17	6.38	12.41	18.50

5G NR DC 66A n77A SCS=30kHz SISO 20MHz NTN/ CC1:66 CC2:n77							
Modulation	BW Combo Set	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			Maximum Tune-up(dBm)
				LTE	NR	Sum	
LTE: QPSK NR: DFT-s-OFDM QPSK	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.72	18.24	18.24	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.71	18.3	18.3	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.69	19.42	19.42	19.50
			LTE: 1RB_Left NR: Inner_Full	-18.8	19.34	19.34	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.78	18.26	18.26	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.71	18.51	18.51	19.00
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.61	17.91	17.91	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.7	17.56	17.56	18.00
			LTE: 1RB_Left NR: Outer_Full	-18.54	18.53	18.53	19.00
			LTE: 1RB_Left NR: Inner_Full	-18.71	18.36	18.36	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.62	17.99	17.99	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.8	17.71	17.71	18.00
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.67	17.58	17.58	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.71	17.41	17.41	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.71	18.33	18.33	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.61	18.19	18.19	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.63	17.64	17.64	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.65	17.55	17.55	18.00
LTE: QPSK NR: DFT-s-OFDM 16 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.73	18.24	18.24	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.8	18.33	18.33	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.8	19.44	19.44	19.50
			LTE: 1RB_Left NR: Inner_Full	-18.76	19.39	19.39	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.7	18.29	18.29	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.79	18.48	18.48	18.50
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.63	17.88	17.88	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.69	17.38	17.38	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.68	18.48	18.48	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.72	18.23	18.23	18.50

			LTE: 1RB_Left NR: Inner_1RB_Left	-18.73	17.91	17.91	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.62	17.54	17.54	18.00
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.72	17.55	17.55	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.75	17.35	17.35	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.65	18.3	18.3	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.69	18.13	18.13	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.7	17.57	17.57	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.68	17.47	17.47	17.50
LTE: QPSK NR: DFT-s-OFDM 64 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.75	18.16	18.16	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.77	18.26	18.26	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.66	19.45	19.45	19.50
			LTE: 1RB_Left NR: Inner_Full	-18.68	19.41	19.41	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.75	18.21	18.21	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.7	18.4	18.4	18.50
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.8	17.61	17.61	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.71	17.23	17.23	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.59	18.37	18.37	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.64	18.16	18.16	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.7	17.64	17.64	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.75	17.36	17.36	17.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.71	17.43	17.43	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.66	17.26	17.26	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.72	18.28	18.28	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.66	18.13	18.13	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.77	17.47	17.47	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.65	17.39	17.39	17.50
LTE: QPSK NR: DFT-s-OFDM 256 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.66	16.7	16.7	17.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.7	16.86	16.86	17.00
			LTE: 1RB_Left NR: Outer_Full	-18.77	17.55	17.55	18.00
			LTE: 1RB_Left	-18.82	17.96	17.96	18.00

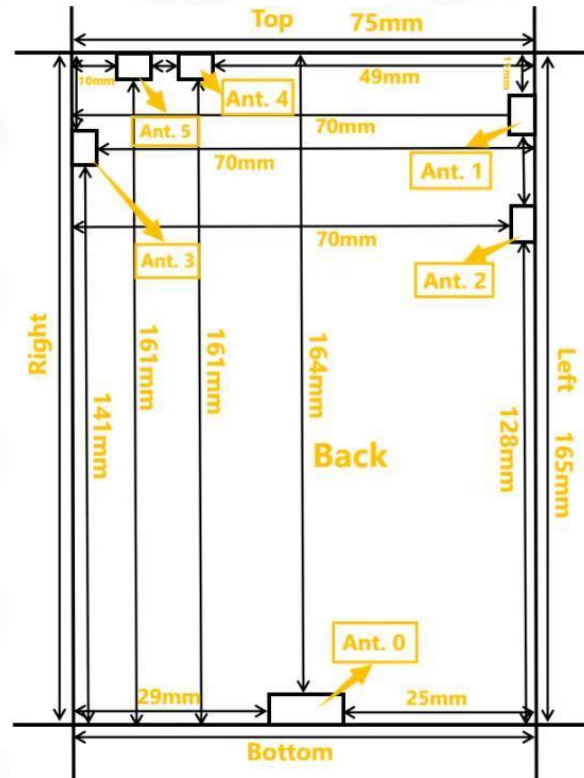
			NR: Inner_Full				
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.67	16.85	16.85	17.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.73	17.1	17.1	17.50
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.77	16.67	16.67	17.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.76	16.32	16.32	16.50
			LTE: 1RB_Left NR: Outer_Full	-18.62	17.02	17.02	17.50
			LTE: 1RB_Left NR: Inner_Full	-18.81	17.25	17.25	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.84	16.7	16.7	17.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.78	16.45	16.45	16.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.65	16.59	16.59	17.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.63	16.39	16.39	16.50
			LTE: 1RB_Left NR: Outer_Full	-18.64	16.99	16.99	17.00
			LTE: 1RB_Left NR: Inner_Full	-18.6	17.28	17.28	17.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.64	16.6	16.6	17.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.68	16.51	16.51	17.00
LTE: QPSK NR: CP-OFDM QPSK	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.71	18.14	18.14	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.65	18.27	18.27	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.76	19.29	19.29	19.50
			LTE: 1RB_Left NR: Inner_Full	-18.59	19.27	19.27	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.73	18.25	18.25	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.74	18.44	18.44	18.50
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.69	17.42	17.42	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.74	17.12	17.12	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.69	18.06	18.06	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.71	17.94	17.94	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.81	17.54	17.54	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.63	17.26	17.26	17.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.75	17.29	17.29	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.64	17.17	17.17	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.63	18.09	18.09	18.50

			LTE: 1RB_Left NR: Inner_Full	-18.76	17.82	17.82	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.75	17.28	17.28	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.65	17.25	17.25	17.50
LTE: QPSK NR: CP-OFDM 16 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.68	18.3	18.3	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.72	18.42	18.42	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.76	19.38	19.38	19.50
			LTE: 1RB_Left NR: Inner_Full	-18.67	19.31	19.31	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.64	18.37	18.37	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.72	18.58	18.58	19.00
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.77	17.65	17.65	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.65	17.33	17.33	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.74	18.1	18.1	18.50
			LTE: 1RB_Left NR: Inner_Full	-18.75	17.98	17.98	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.66	17.71	17.71	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.81	17.47	17.47	17.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.61	17.33	17.33	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.73	17.19	17.19	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.74	17.98	17.98	18.00
			LTE: 1RB_Left NR: Inner_Full	-18.72	17.82	17.82	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.8	17.39	17.39	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.74	17.33	17.33	17.50
LTE: QPSK NR: CP-OFDM 64 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.64	18.28	18.28	18.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.64	18.39	18.39	18.50
			LTE: 1RB_Left NR: Outer_Full	-18.67	18.98	18.98	19.00
			LTE: 1RB_Left NR: Inner_Full	-18.67	19.33	19.33	19.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.62	18.32	18.32	18.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.66	18.52	18.52	19.00
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.73	17.55	17.55	18.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.72	17.28	17.28	17.50
			LTE: 1RB_Left	-18.77	17.75	17.75	18.00

			NR: Outer_Full				
			LTE: 1RB_Left NR: Inner_Full	-18.62	18.01	18.01	18.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.8	17.65	17.65	18.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.65	17.42	17.42	17.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.75	17.25	17.25	17.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.81	17.05	17.05	17.50
			LTE: 1RB_Left NR: Outer_Full	-18.76	17.56	17.56	18.00
			LTE: 1RB_Left NR: Inner_Full	-18.75	17.79	17.79	18.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.74	17.28	17.28	17.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.67	17.35	17.35	17.50
LTE: QPSK NR: CP-OFDM 256 QAM	/	CC1:1745 CC2:3710.01	LTE: 1RB_Left NR: Edge_1RB_Left	-18.6	14.25	14.25	14.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.7	14.46	14.46	14.50
			LTE: 1RB_Left NR: Outer_Full	-18.65	14.92	14.92	15.00
			LTE: 1RB_Left NR: Inner_Full	-18.73	15.32	15.32	15.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.61	14.29	14.29	14.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.74	14.64	14.64	15.00
		CC1:1745 CC2:3840	LTE: 1RB_Left NR: Edge_1RB_Left	-18.64	15.16	15.16	15.50
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.76	14.85	14.85	15.00
			LTE: 1RB_Left NR: Outer_Full	-18.67	15.24	15.24	15.50
			LTE: 1RB_Left NR: Inner_Full	-18.8	15.57	15.57	16.00
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.68	15.21	15.21	15.50
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.64	15.02	15.02	15.50
		CC1:1745 CC2:3969.99	LTE: 1RB_Left NR: Edge_1RB_Left	-18.71	14.92	14.92	15.00
			LTE: 1RB_Left NR: Edge_1RB_Right	-18.74	14.73	14.73	15.00
			LTE: 1RB_Left NR: Outer_Full	-18.79	15.14	15.14	15.50
			LTE: 1RB_Left NR: Inner_Full	-18.69	15.43	15.43	15.50
			LTE: 1RB_Left NR: Inner_1RB_Left	-18.71	14.97	14.97	15.00
			LTE: 1RB_Left NR: Inner_1RB_Right	-18.65	14.86	14.86	15.00

9. Test Exclusion Consideration

Antenna information:



Antenna 1	GSM/WCDMA/LTE/NR TX/RX
Antenna 0	GSM/WCDMA/LTE/NR TX/RX
Antenna 5	WLAN/BT TX/RX
Note: 1. KDB 447498 D04v01, particular DUT edges were not required to be evaluated for SAR if the antenna-to-edge distance is greater than 2.5cm. 2. Per KDB648474 D04, 10-g extremity SAR is not required when Body-Worn mode 1-g reported SAR<1.2W/Kg. 3. Ant.0 include GSM 850, WCDMA Band 5, LTE Band 5/7/12/13/17/26/38/40/41/71, NR N 5/41/71/77/78 4. Ant.1 include GSM 1900, WCDMA Band 2/4, LTE Band 2/4/25/66, NR N 2/25/66	

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)
ANT 0	<25	<25	<25	29	161	<25
ANT 1	<25	<25	<25	70	<25	154
ANT 5	<25	<25	60	<25	<25	161
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)
ANT 0	Yes	Yes	Yes	No	Yes	No
ANT 1	Yes	Yes	Yes	No	No	Yes
ANT 5	Yes	Yes	No	Yes	Yes	No

10. Test Result

Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 2 (BW: 20MHz)	1RB	Left Cheek	18900	1880.0	3.940	0.325	20.96	21.00	1.009	0.328	/
		Left Tilt	18900	1880.0	-0.820	0.150	20.96	21.00	1.009	0.151	/
		Right Cheek	18900	1880.0	-1.570	0.338	20.96	21.00	1.009	0.341	1#
		Right Tilt	18900	1880.0	2.260	0.161	20.96	21.00	1.009	0.162	/
	50%RB	Left Cheek	18900	1880.0	3.290	0.302	19.74	20.00	1.062	0.321	/
		Left Tilt	18900	1880.0	-0.140	0.140	19.74	20.00	1.062	0.149	/
		Right Cheek	18900	1880.0	4.050	0.311	19.74	20.00	1.062	0.330	/
		Right Tilt	18900	1880.0	1.510	0.149	19.74	20.00	1.062	0.158	/

Body(hotspot open, 10mm Gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 2 (BW: 20MHz)	1RB	Front	18900	1880.0	2.180	0.352	20.96	21.00	1.009	0.355	/
		Back	18900	1880.0	-3.390	0.573	20.96	21.00	1.009	0.578	2#
		Left	18900	1880.0	0.220	0.411	20.96	21.00	1.009	0.415	/
		Top	18900	1880.0	4.510	0.450	20.96	21.00	1.009	0.454	/
	50%RB	Front	18900	1880.0	1.690	0.331	19.74	20.00	1.062	0.352	/
		Back	18900	1880.0	0.570	0.526	19.74	20.00	1.062	0.559	/
		Left	18900	1880.0	-3.280	0.377	19.74	20.00	1.062	0.400	/
		Top	18900	1880.0	1.220	0.423	19.74	20.00	1.062	0.449	/

Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 12 (BW: 10MHz)	1RB	Left Cheek	23130	711.0	2.850	0.251	22.58	23.00	1.102	0.277	/
		Left Tilt	23130	711.0	-1.490	0.135	22.58	23.00	1.102	0.149	/
		Right Cheek	23130	711.0	-0.110	0.265	22.58	23.00	1.102	0.292	3#
		Right Tilt	23130	711.0	3.610	0.149	22.58	23.00	1.102	0.164	/
	50%RB	Left Cheek	23130	711.0	4.280	0.215	21.44	21.50	1.014	0.218	/
		Left Tilt	23130	711.0	2.890	0.104	21.44	21.50	1.014	0.105	/
		Right Cheek	23130	711.0	1.440	0.230	21.44	21.50	1.014	0.233	/
		Right Tilt	23130	711.0	-3.100	0.120	21.44	21.50	1.014	0.122	/

Body(hotspot open, 10mm Gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 12 (BW: 10MHz)	1RB	Front	23130	711.0	2.900	0.111	22.58	23.00	1.102	0.122	/
		Back	23130	711.0	2.470	0.220	22.58	23.00	1.102	0.242	4#
		Left	23130	711.0	-0.450	0.140	22.58	23.00	1.102	0.154	/
		Bottom	23130	711.0	3.020	0.182	22.58	23.00	1.102	0.201	/
	50%RB	Front	23130	711.0	-4.190	0.078	21.44	21.50	1.014	0.079	/
		Back	23130	711.0	1.170	0.190	21.44	21.50	1.014	0.193	/
		Left	23130	711.0	2.060	0.116	21.44	21.50	1.014	0.118	/
		Bottom	23130	711.0	3.320	0.153	21.44	21.50	1.014	0.155	/

Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 66 (BW: 20MHz)	1RB	Left Cheek	132322	1745.0	3.670	0.532	23.87	24.00	1.030	0.548	/
		Left Tilt	132322	1745.0	-4.500	0.266	23.87	24.00	1.030	0.274	/
		Right Cheek	132322	1745.0	-2.600	0.548	23.87	24.00	1.030	0.564	5#
		Right Tilt	132322	1745.0	1.060	0.278	23.87	24.00	1.030	0.286	/
	50%RB	Left Cheek	132322	1745.0	-0.950	0.488	22.63	23.00	1.089	0.531	/
		Left Tilt	132322	1745.0	4.660	0.243	22.63	23.00	1.089	0.265	/
		Right Cheek	132322	1745.0	-3.030	0.504	22.63	23.00	1.089	0.549	/
		Right Tilt	132322	1745.0	-1.100	0.252	22.63	23.00	1.089	0.274	/

Body(hotspot open, 10mm Gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
LTE Band 66 (BW: 20MHz)	1RB	Front	132322	1745.0	3.080	0.450	23.87	24.00	1.030	0.464	/
		Back	132322	1745.0	-1.050	0.670	23.87	24.00	1.030	0.690	6#
		Left	132322	1745.0	1.610	0.512	23.87	24.00	1.030	0.527	/
		Top	132322	1745.0	2.480	0.588	23.87	24.00	1.030	0.606	/
	50%RB	Front	132322	1745.0	-4.630	0.420	22.63	23.00	1.089	0.457	/
		Back	132322	1745.0	0.190	0.623	22.63	23.00	1.089	0.678	/
		Left	132322	1745.0	4.260	0.472	22.63	23.00	1.089	0.514	/
		Top	132322	1745.0	2.300	0.551	22.63	23.00	1.089	0.600	/
Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N25 (BW: 20MHz)	1RB	Left Cheek	376500	1882.5	4.660	0.331	23.04	23.50	1.112	0.368	/
		Left Tilt	376500	1882.5	2.120	0.168	23.04	23.50	1.112	0.187	/
		Right Cheek	376500	1882.5	-0.010	0.342	23.04	23.50	1.112	0.380	7#
		Right Tilt	376500	1882.5	-3.010	0.177	23.04	23.50	1.112	0.197	/
	50%RB	Left Cheek	376500	1882.5	0.600	0.300	22.04	22.50	1.112	0.334	/
		Left Tilt	376500	1882.5	-2.300	0.141	22.04	22.50	1.112	0.157	/
		Right Cheek	376500	1882.5	-4.480	0.312	22.04	22.50	1.112	0.347	/
		Right Tilt	376500	1882.5	1.240	0.150	22.04	22.50	1.112	0.167	/
Body(hotspot open, 10mm Gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N25 (BW: 20MHz)	1RB	Front	376500	1882.5	3.610	0.182	23.04	23.50	1.112	0.202	/
		Back	376500	1882.5	-0.670	0.322	23.04	23.50	1.112	0.358	8#
		Left	376500	1882.5	-0.190	0.220	23.04	23.50	1.112	0.245	/
		Top	376500	1882.5	4.260	0.271	23.04	23.50	1.112	0.301	/
	50%RB	Front	376500	1882.5	1.300	0.163	22.04	22.50	1.112	0.181	/
		Back	376500	1882.5	2.930	0.298	22.04	22.50	1.112	0.331	/
		Left	376500	1882.5	0.220	0.201	22.04	22.50	1.112	0.224	/
		Top	376500	1882.5	0.140	0.250	22.04	22.50	1.112	0.278	/
Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N41 (BW: 100MHz)	1RB	Left Cheek	518598	2592.99	4.220	0.336	21.38	21.50	1.028	0.345	/
		Left Tilt	518598	2592.99	-3.780	0.150	21.38	21.50	1.028	0.154	/
		Right Cheek	518598	2592.99	-2.880	0.349	21.38	21.50	1.028	0.359	9#
		Right Tilt	518598	2592.99	1.360	0.164	21.38	21.50	1.028	0.169	/
	50%RB	Left Cheek	518598	2592.99	0.920	0.310	20.38	20.50	1.028	0.319	/
		Left Tilt	518598	2592.99	-0.550	0.132	20.38	20.50	1.028	0.136	/
		Right Cheek	518598	2592.99	2.670	0.321	20.38	20.50	1.028	0.330	/
		Right Tilt	518598	2592.99	4.180	0.146	20.38	20.50	1.028	0.150	/
Body(hotspot open, 10mm Gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N41 (BW: 100MHz)	1RB	Front	518598	2592.99	2.640	0.186	21.38	21.50	1.028	0.191	/
		Back	518598	2592.99	-3.230	0.423	21.38	21.50	1.028	0.435	10#
		Left	518598	2592.99	-0.610	0.226	21.38	21.50	1.028	0.232	/
		Bottom	518598	2592.99	2.040	0.363	21.38	21.50	1.028	0.373	/
	50%RB	Front	518598	2592.99	4.070	0.160	20.38	20.50	1.028	0.164	/
		Back	518598	2592.99	1.290	0.392	20.38	20.50	1.028	0.403	/
		Left	518598	2592.99	-2.210	0.200	20.38	20.50	1.028	0.206	/
		Bottom	518598	2592.99	3.060	0.337	20.38	20.50	1.028	0.346	/
Head(0mm gap)											
Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.

NR N71 (BW: 20MHz)	1RB	Left Cheek	134600	673	1.300	0.120	18.50	19.00	1.122	0.135	/
		Left Tilt	134600	673	4.620	0.061	18.50	19.00	1.122	0.068	/
		Right Cheek	134600	673	3.110	0.133	18.50	19.00	1.122	0.149	11#
		Right Tilt	134600	673	-2.990	0.074	18.50	19.00	1.122	0.083	/
	50%RB	Left Cheek	134600	673	3.590	0.089	17.50	18.00	1.122	0.100	/
		Left Tilt	134600	673	1.560	0.051	17.50	18.00	1.122	0.057	/
		Right Cheek	134600	673	-2.980	0.103	17.50	18.00	1.122	0.116	/
		Right Tilt	134600	673	-0.700	0.063	17.50	18.00	1.122	0.071	/

Body(hotspot open, 10mm Gap)

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N71 (BW: 20MHz)	1RB	Front	134600	673	0.780	0.141	18.50	19.00	1.122	0.158	/
		Back	134600	673	3.830	0.318	18.50	19.00	1.122	0.357	12#
		Left	134600	673	-2.840	0.189	18.50	19.00	1.122	0.212	/
		Bottom	134600	673	-2.370	0.252	18.50	19.00	1.122	0.283	/
	50%RB	Front	134600	673	-1.310	0.119	17.50	18.00	1.122	0.134	/
		Back	134600	673	-2.710	0.270	17.50	18.00	1.122	0.303	/
		Left	134600	673	3.010	0.142	17.50	18.00	1.122	0.159	/
		Bottom	134600	673	-2.740	0.213	17.50	18.00	1.122	0.239	/

Head(0mm gap)

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N77 (BW: 100MHz)	1RB	Left Cheek	633334	3500.01	4.110	0.211	25.60	26.00	1.096	0.231	/
		Left Tilt	633334	3500.01	0.310	0.123	25.60	26.00	1.096	0.135	/
		Right Cheek	633334	3500.01	-3.250	0.225	25.60	26.00	1.096	0.247	13#
		Right Tilt	633334	3500.01	1.180	0.131	25.60	26.00	1.096	0.144	/
	50%RB	Left Cheek	633334	3500.01	3.100	0.178	25.51	26.00	1.119	0.199	/
		Left Tilt	633334	3500.01	-3.540	0.100	25.51	26.00	1.119	0.112	/
		Right Cheek	633334	3500.01	-1.750	0.190	25.51	26.00	1.119	0.213	/
		Right Tilt	633334	3500.01	2.090	0.111	25.51	26.00	1.119	0.124	/

Body(hotspot open, 10mm Gap)

Mode	Channel Type	Position	Ch.	Freq. (MHz)	Power Drift (%)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
NR N77 (BW: 100MHz)	1RB	Front	633334	3500.01	4.120	0.240	25.60	26.00	1.096	0.263	/
		Back	633334	3500.01	-0.870	0.420	25.60	26.00	1.096	0.460	14#
		Left	633334	3500.01	-2.900	0.275	25.60	26.00	1.096	0.301	/
		Bottom	633334	3500.01	0.910	0.377	25.60	26.00	1.096	0.413	/
	50%RB	Front	633334	3500.01	3.410	0.216	25.51	26.00	1.119	0.242	/
		Back	633334	3500.01	-3.370	0.387	25.51	26.00	1.119	0.433	/
		Left	633334	3500.01	-1.750	0.241	25.51	26.00	1.119	0.270	/
		Bottom	633334	3500.01	1.720	0.342	25.51	26.00	1.119	0.383	/

Note:

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

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 $0.670 < 0.80$ W/kg, repeated measurement is not need.

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 3 Tx antennas, WWAN main antenna, Wifi/BT antenna supports 2.4G WIFI and BT. The 2 antennas can always transmit simultaneously. The work mode combination is showed as below table.

Application Simultaneous Transmission information:

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

Band	Head Reported SAR (W/kg)	2.4G WIFI	5G WIFI	Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5.8G
LTE Band 2+NR N71	0.490	0.604	0.190	1.094	0.680
LTE Band 66+NR N71	0.713	0.604	0.190	1.317	0.903
LTE Band 66+NR N77	0.811	0.604	0.190	1.415	1.001
LTE Band 66+NR N41	0.923	0.604	0.190	1.527	1.113
LTE Band 12+NR N25	0.672	0.604	0.190	1.276	0.862
LTE Band 12+NR N77	0.539	0.604	0.190	1.143	0.729

Band	Body Reported SAR (W/kg)	2.4G WIFI	5G WIFI	BT	Σ SAR (W/kg) WWAN + WIFI 2.4G	Σ SAR (W/kg) WWAN + WIFI 5.8G	Σ SAR (W/kg) WWAN + BT
LTE Band 2+NR N71	0.935	0.322	0.358	0.047	1.257	1.293	0.982
LTE Band 66+NR N71	1.047	0.322	0.358	0.047	1.369	1.405	1.094
LTE Band 66+NR N77	1.150	0.322	0.358	0.047	1.472	1.508	1.197
LTE Band 66+NR N41	1.125	0.322	0.358	0.047	1.447	1.483	1.172
LTE Band 12+NR N25	0.600	0.322	0.358	0.047	0.922	0.958	0.647
LTE Band 12+NR N77	0.702	0.322	0.358	0.047	1.024	1.060	0.749

Note: Used to calculate co-located WiFi/BT data comes from report SZZ25040036S01.

13. Test Equipment List

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
E-Field Probe	MVG	SSE2	0125-EPGO-445	2026/03/03	2027/03/02
6 1/2 Digital Multimeter	Keithley	DMM6500	4527164	2025/10/20	2026/10/19
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	161997	2025/10/17	2026/10/16
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2025/10/17	2026/10/16
E-Series Avg. Power Sensor	KEYSIGHT	E9300A	MY55050017	2026/04/02	2027/04/01
EPM Series Power Meter	KEYSIGHT	E4418B	MY41293435	2026/04/02	2027/04/01
MXA Signal Analyzer	KEYSIGHT	N9020A	MY54410409	2025/10/17	2026/10/16
Low Noise Amplifier	Tongyue	N/A	N/A	2025/07/30	2026/07/29
Coupler	MERRIMAC	CWM-10R-10.8G	LOT-83391	N/A	N/A
750MHz Validation Dipole	MVG	SID750	07/22 DIP 0G750-655	2025/05/26	2028/05/25
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
2600MHz Validation Dipole	MVG	SID2600	07/22 DIP 2G600-663	2025/05/26	2028/05/25
3500MHz Validation Dipole	MVG	SID3500	07/22 DIP 3G500-664	2025/05/26	2028/05/25
LIMESAR Dielectric Probe	MVG	SCLMP	06/22 OCPG88	2026/04/07	2027/04/06
ENA Series Network Analyzer	Agilent	E5071B	MY42301221	2025/10/17	2026/10/16
Thermometer	Riters	DT-232	21A11	2026/04/02	2027/04/01
Antenna network emulator	MVG	ANTA 74	07/22 ANTA 74	N/A	N/A
SAM Phantom	MVG	SAM	07/22 SAM149	N/A	N/A
Mobile Phone Positioning System	MVG	MSH 118	07/22 MSH 118	N/A	N/A
Mechanical Calibration Kit	PNA	N/A	N/A	2025/10/21	2026/10/20
Open SAR test software	MVG	N/A	V5.3.5	N/A	N/A

Note: For dipole antennas, BTF has adopted 3 years as calibration intervals, and on annual basis, every measurement dipole has been evaluated and is in compliance with the following criteria:

1. There is no physical damage on the dipole;
2. System validation with specific dipole is within 10% of calibrated value;
3. Return-loss in within 20% of calibrated measurement.
4. Impedance (real or imaginary parts) in within 5 Ohms of calibrated measurement.

ANNEX A Simulating Liquid Verification Result

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

Dielectric performance of tissue simulating liquid									
Frequency (MHz)	ϵ_r		σ (s/m)		Delta (ϵ_r)	Delta (σ)	Limit	Temp (°C)	Date
	Target	Measured	Target	Measured					
750	41.90	42.33	0.89	0.88	1.03%	-1.12%	±5%	21.3	8/6/2026
1800	40.00	40.28	1.40	1.38	0.70%	-1.43%	±5%	21.7	10/6/2026
1900	40.00	40.36	1.40	1.39	0.90%	-0.71%	±5%	20.6	11/6/2026
2600	39.00	38.67	1.96	1.93	-0.85%	-1.53%	±5%	22.1	12/6/2026
3500	37.90	37.89	2.91	2.85	-0.03%	-2.06%	±5%	21.5	14/6/2026

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

ANNEX B System Check Result

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

Frequency (MHz)	Input Power (mW)	10g SAR (W/Kg)	1g SAR (W/Kg)	10g SAR 1W input power normalized (W/Kg)	1g SAR 1W input power normalized (W/Kg)	10g SAR Standard target (1W) (W/Kg)	1g SAR Standard target (1W) (W/Kg)	1g SAR Deviation	10g SAR Deviation
750	100	0.574	0.863	5.74	8.63	5.55	8.41	3.42%	2.62%
1800	100	2.043	3.674	20.43	36.74	19.83	37.93	3.03%	-3.14%
1900	100	2.269	4.157	22.69	41.57	20.82	40.29	8.98%	3.18%
2600	100	2.427	5.277	24.27	52.77	24.43	53.76	-0.65%	-1.84%
3500	100	2.530	6.532	25.30	65.32	24.91	63.35	1.57%	3.11%

System Performance Check Data (750 MHz)

System check at 750 MHz

Date of measurement: 8/6/2026

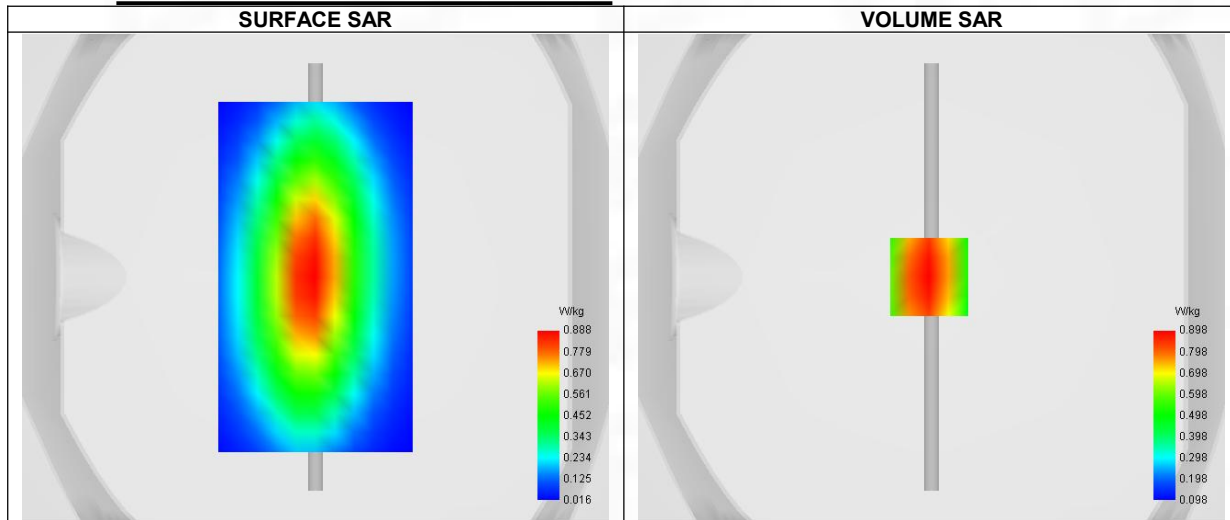
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	750.000
Relative permittivity (real part)	42.332
Relative permittivity (imaginary part)	18.242
Conductivity (S/m)	0.881

C. SAR Surface and Volume



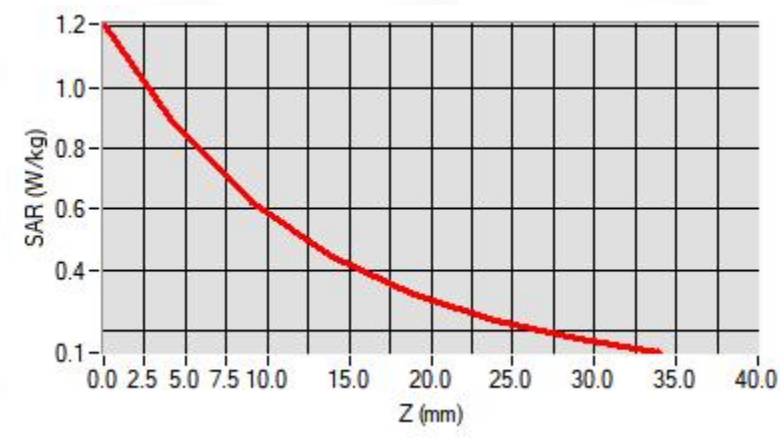
Maximum location: X=-1.00, Y=0.00 ; SAR Peak: 1.21 W/kg

D. SAR 1g & 10g

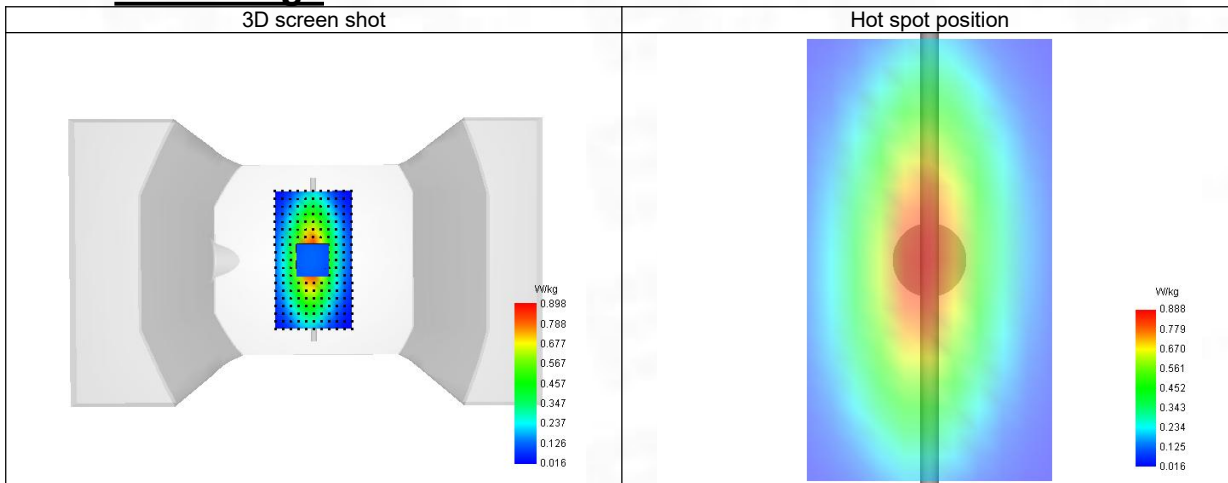
SAR 10g (W/Kg)	0.574
SAR 1g (W/Kg)	0.863
Variation (%)	-0.070
Horizontal validation criteria: minimum distance (mm)	22.627417
Vertical validation criteria: SAR ratio M2/M1 (%)	69.487453

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.209	0.898	0.624	0.445	0.320	0.231	0.170



F. 3D Image



System Performance Check Data (1800 MHz)

System check at 1800 MHz

Date of measurement: 10/6/2026

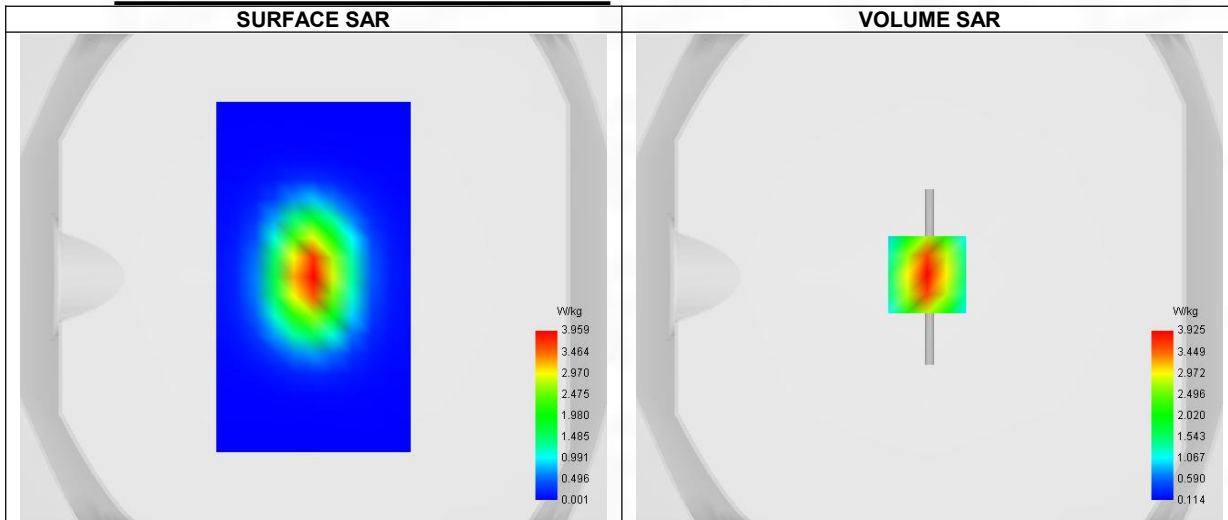
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	1800.000
Relative permittivity (real part)	40.278
Relative permittivity (imaginary part)	15.628
Conductivity (S/m)	1.377

C. SAR Surface and Volume



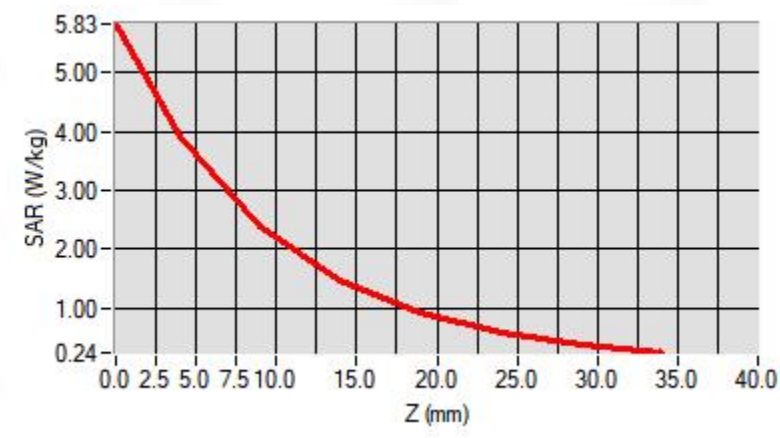
Maximum location: X=-1.00, Y=1.00 ; SAR Peak: 5.79 W/kg

D. SAR 1g & 10g

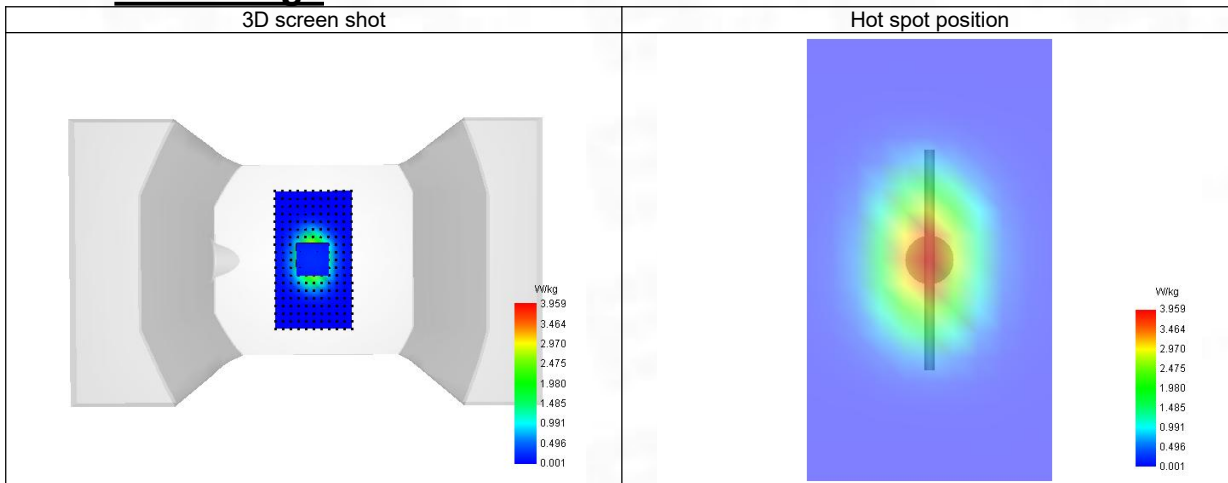
SAR 10g (W/Kg)	2.043
SAR 1g (W/Kg)	3.674
Variation (%)	-2.330
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	60.409769

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	5.831	3.925	2.371	1.470	0.923	0.578	0.372



F. 3D Image



System Performance Check Data (1900 MHz)

System check at 1900 MHz

Date of measurement: 11/6/2026

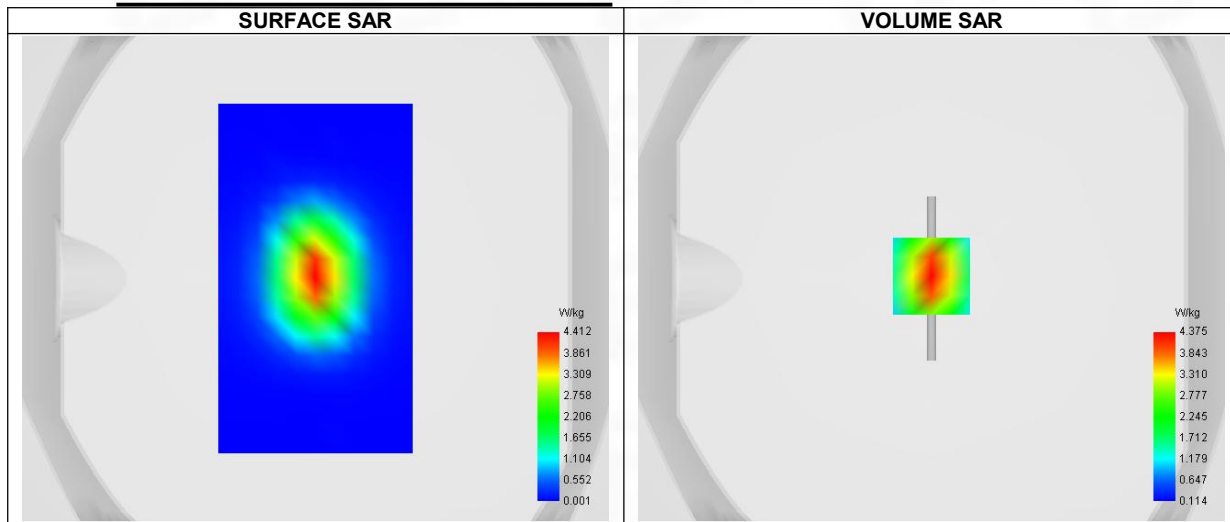
A. Experimental conditions.

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

B. Permittivity

Middle TX Frequency (MHz)	1900.000
Relative permittivity (real part)	40.362
Relative permittivity (imaginary part)	13.859
Conductivity (S/m)	1.389

C. SAR Surface and Volume



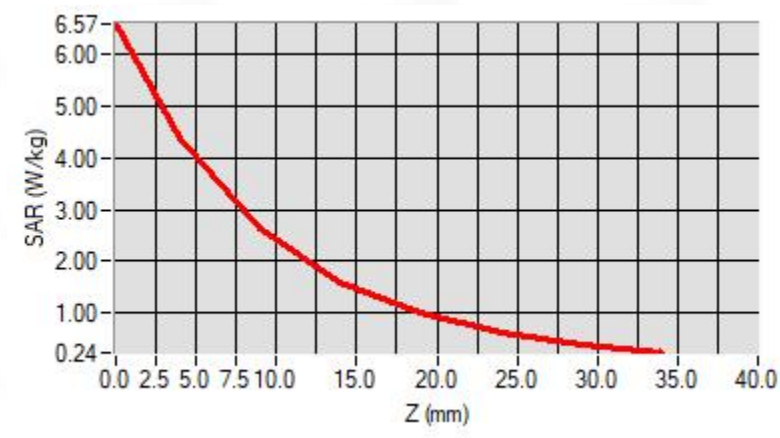
Maximum location: X=0.00, Y=1.00 ; SAR Peak: 6.53 W/kg

D. SAR 1g & 10g

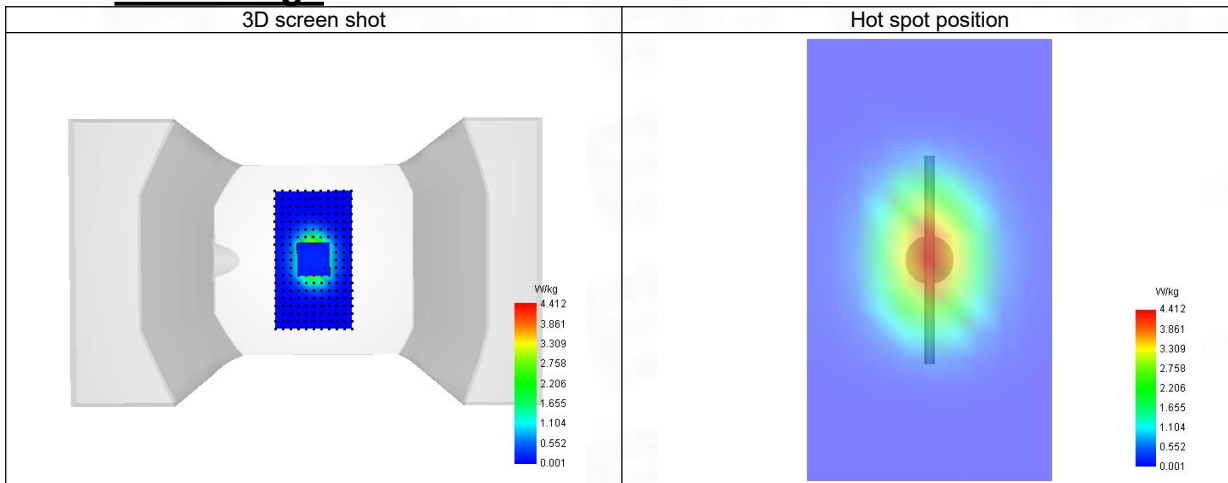
SAR 10g (W/Kg)	2.269
SAR 1g (W/Kg)	4.157
Variation (%)	1.710
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.825328

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	6.569	4.375	2.618	1.607	1.011	0.624	0.389



F. 3D Image



System Performance Check Data (2600 MHz)

System check at 2600 MHz

Date of measurement: 12/6/2026

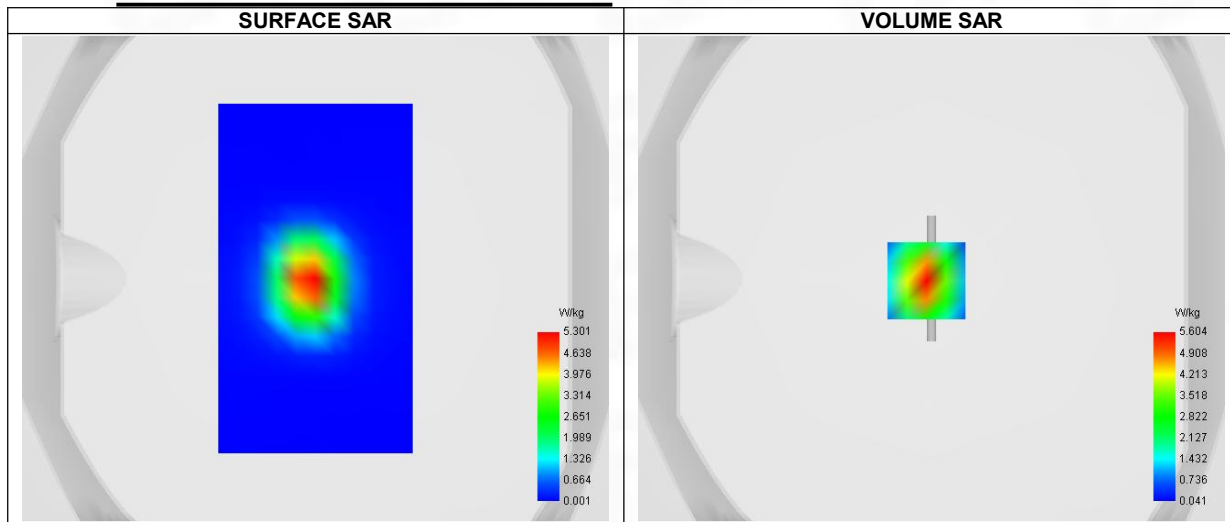
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Dipole
Band	CW2600
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	2600.000
Relative permittivity (real part)	38.673
Relative permittivity (imaginary part)	12.586
Conductivity (S/m)	1.932

C. SAR Surface and Volume



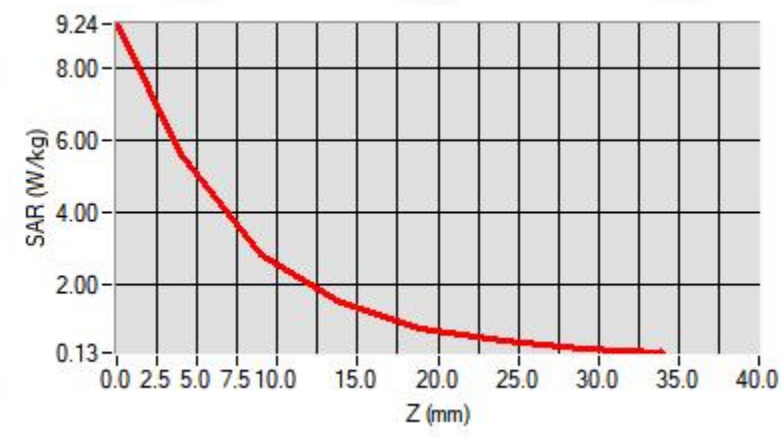
Maximum location: X=-2.00, Y=-1.00 ; SAR Peak: 9.17 W/kg

D. SAR 1g & 10g

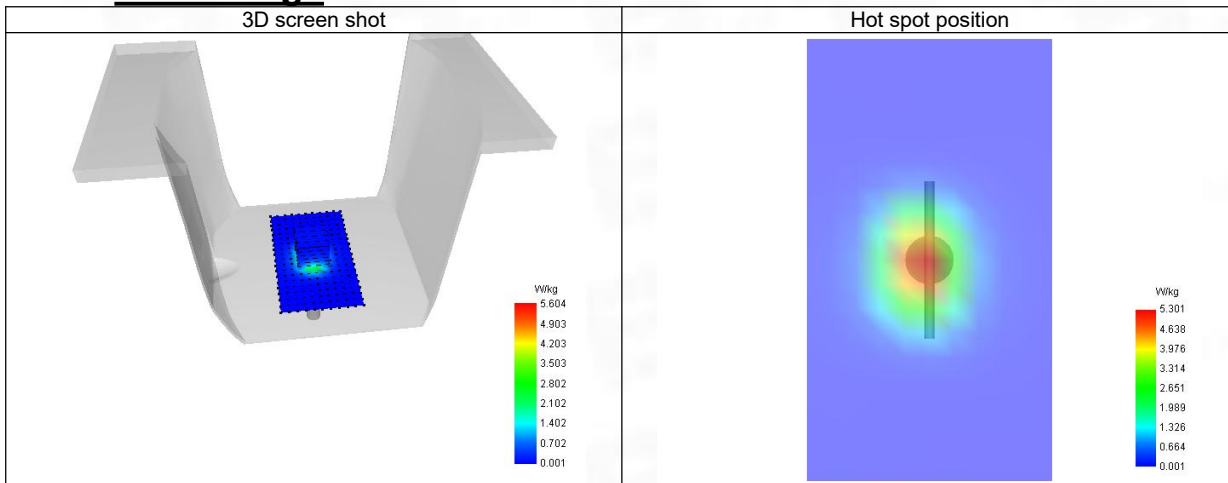
SAR 10g (W/Kg)	2.427
SAR 1g (W/Kg)	5.277
Variation (%)	-1.760
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	51.288638

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	9.241	5.604	2.874	1.522	0.812	0.434	0.235



F. 3D Image



System Performance Check Data (3500 MHz)

System check at 3500 MHz

Date of measurement: 14/6/2026

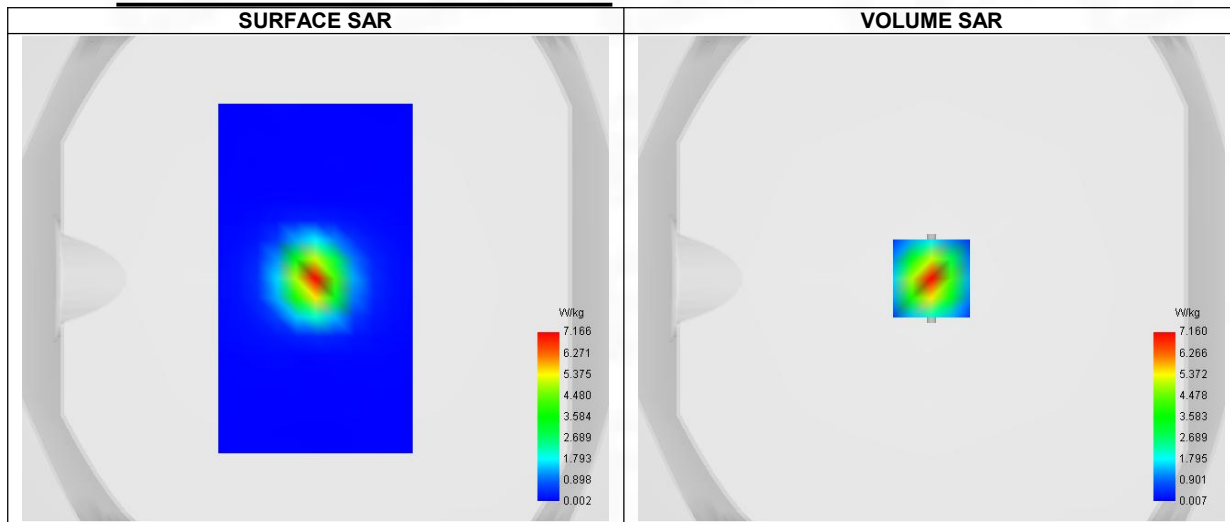
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.06
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	CW3500
Channels/Frequency	Middle
Signal	CW

B. Permittivity

Middle TX Frequency (MHz)	3500.000
Relative permittivity (real part)	37.894
Relative permittivity (imaginary part)	13.841
Conductivity (S/m)	2.846

C. SAR Surface and Volume



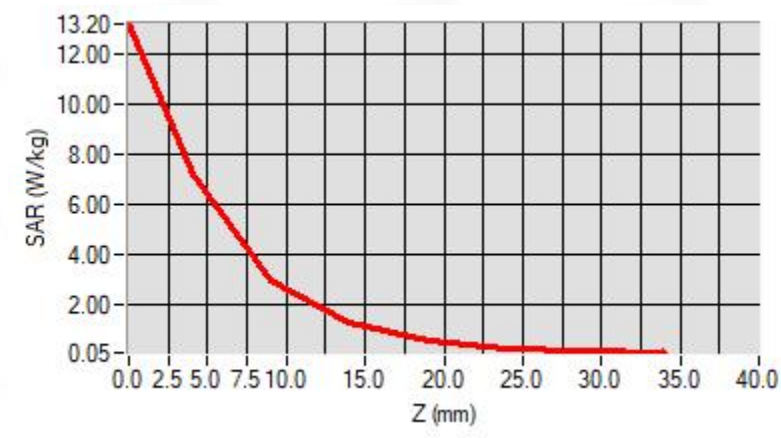
Maximum location: X=0.00, Y=0.00 ; SAR Peak: 13.04 W/kg

D. SAR 1g & 10g

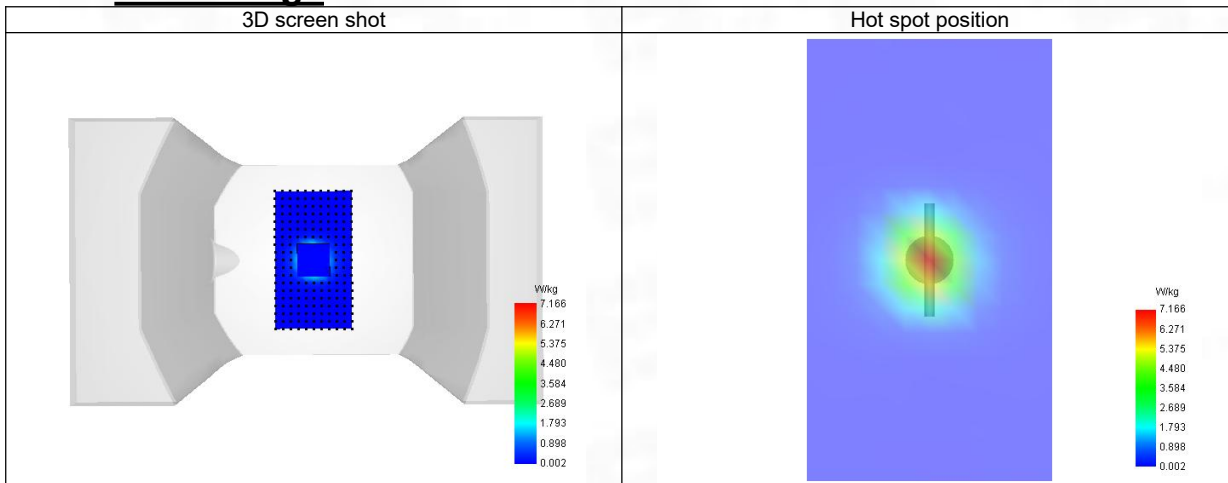
SAR 10g (W/Kg)	2.530
SAR 1g (W/Kg)	6.532
Variation (%)	0.210
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	41.440161

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	13.204	7.160	2.967	1.227	0.510	0.211	0.098



F. 3D Image



ANNEX C Test Data

1-Head with front position in dist. 0mm on Channel 18900 in LTE band 2

SAR Measurement at LTE band 2 (Cheek, Right)

Date of measurement: 11/6/2026

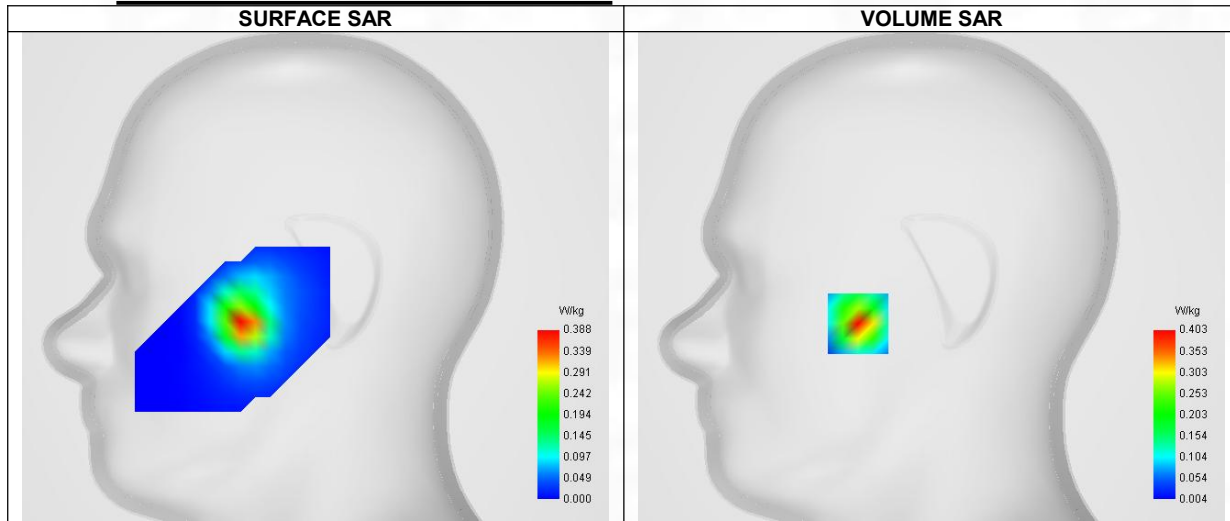
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 2
Channels/Frequency	Middle (18900)/ frequency 1880.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.345
Relative permittivity (imaginary part)	14.213
Conductivity (S/m)	1.387

C. SAR Surface and Volume



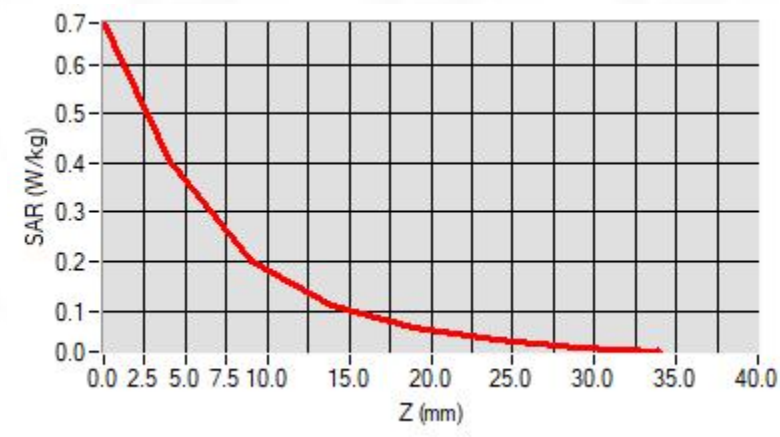
Maximum location: X=-39.00, Y=-25.00 ; SAR Peak: 0.70 W/kg

D. SAR 1g & 10g

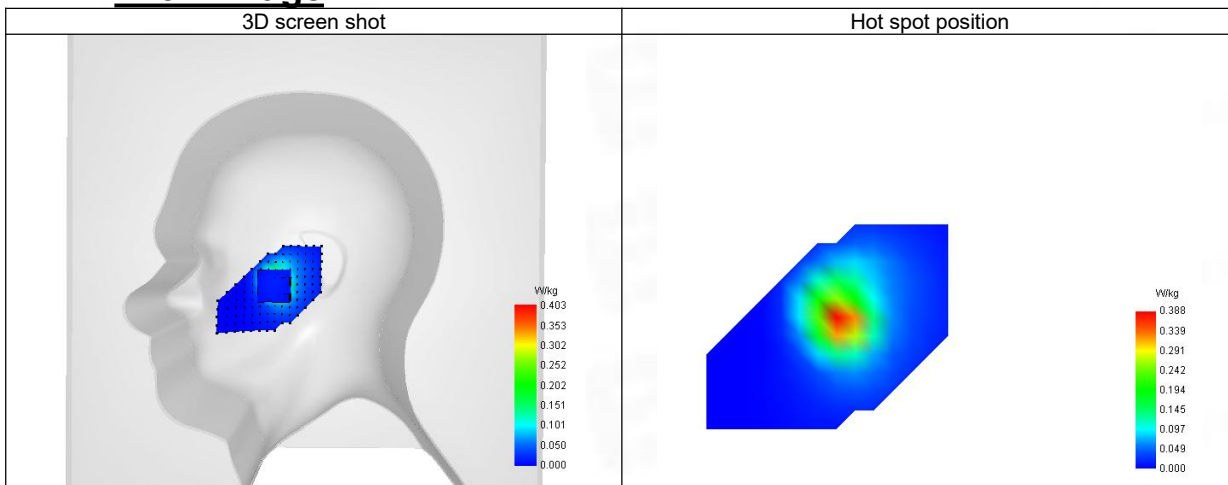
SAR 10g (W/Kg)	0.166
SAR 1g (W/Kg)	0.338
Variation (%)	-1.570
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	50.015316

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.684	0.403	0.202	0.112	0.066	0.040	0.026



F. 3D Image



2-Body with top position in dist. 10mm on Channel 18900 in LTE band 2

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

Date of measurement: 11/6/2026

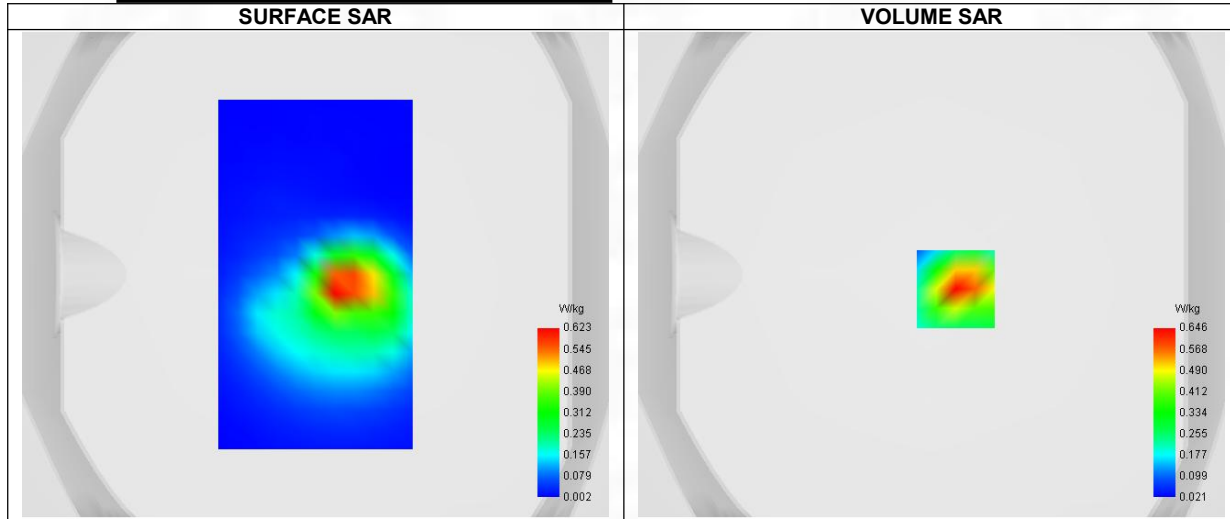
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 2
Channels/Frequency	Middle (18900)/ frequency 1880.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1880.000
Relative permittivity (real part)	40.345
Relative permittivity (imaginary part)	14.213
Conductivity (S/m)	1.387

C. SAR Surface and Volume

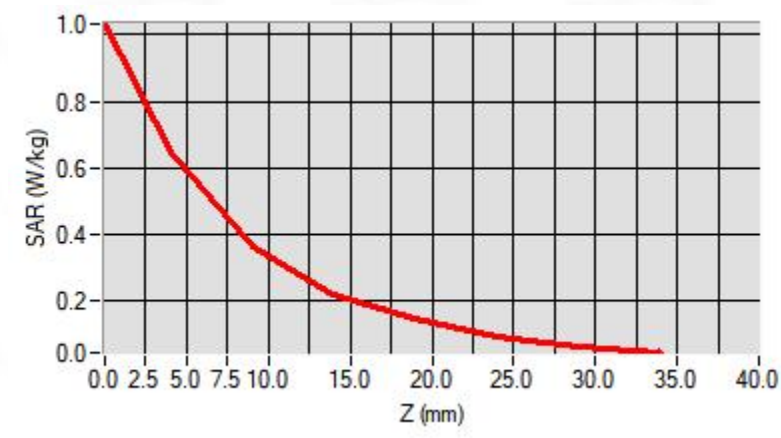


D. SAR 1g & 10g

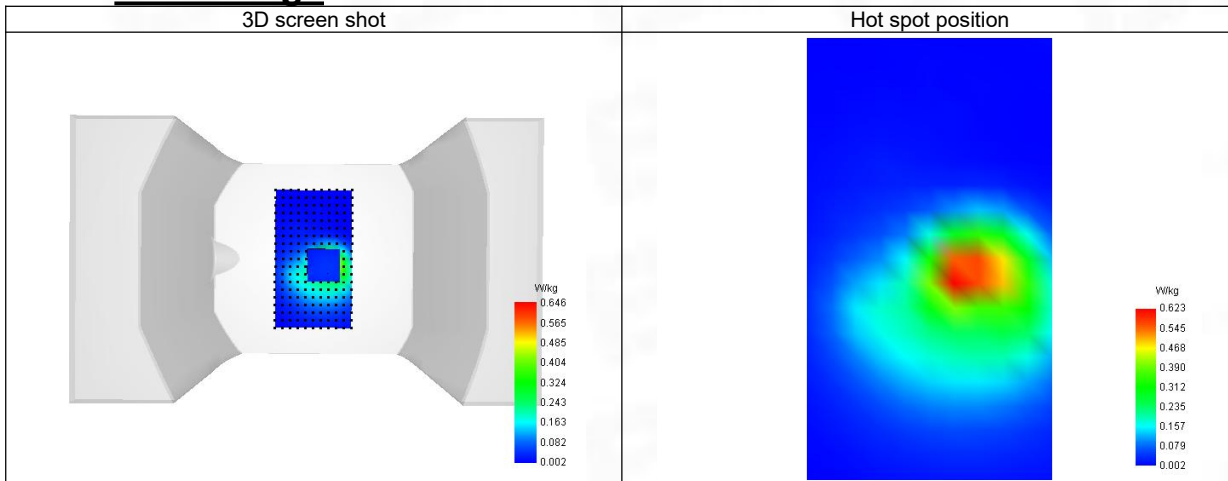
SAR 10g (W/Kg)	0.308
SAR 1g (W/Kg)	0.573
Variation (%)	-3.390
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.885028

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.033	0.646	0.361	0.220	0.145	0.095	0.065



F. 3D Image



3-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: 8/6/2026

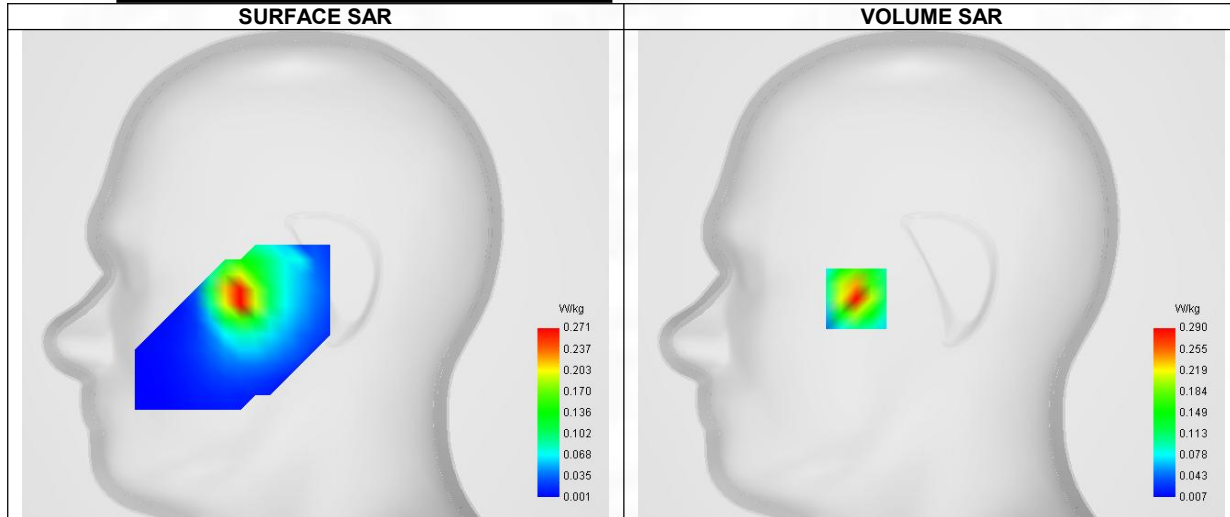
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 12
Channels/Frequency	Middle (23130)/ frequency 711.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	711.000
Relative permittivity (real part)	42.642
Relative permittivity (imaginary part)	17.815
Conductivity (S/m)	0.867

C. SAR Surface and Volume

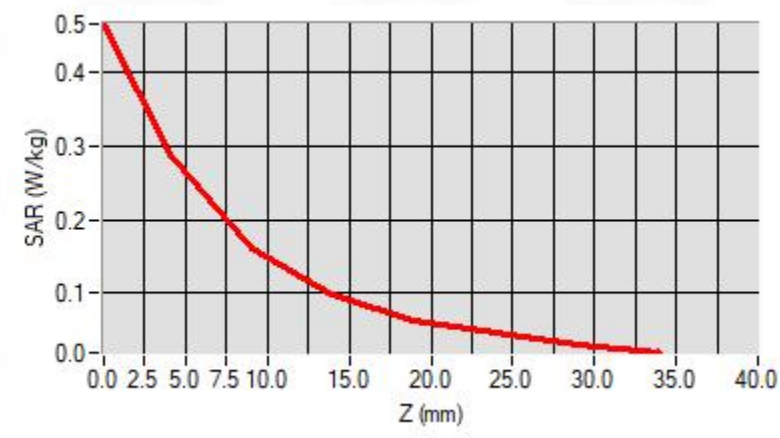


D. SAR 1g & 10g

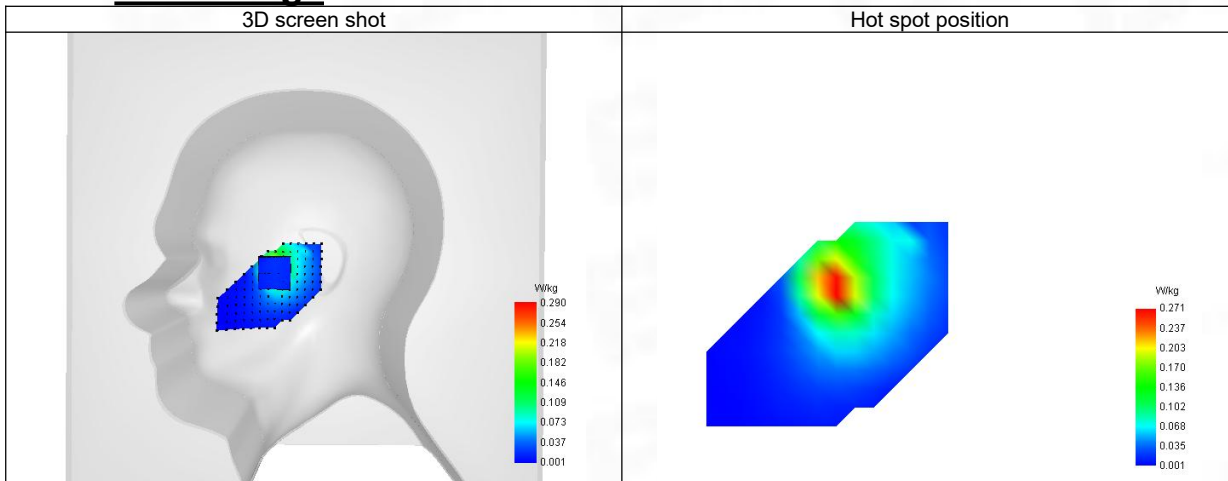
SAR 10g (W/Kg)	0.136
SAR 1g (W/Kg)	0.265
Variation (%)	-0.110
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	55.533349

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.466	0.290	0.161	0.098	0.063	0.046	0.029



F. 3D Image



4-Body with top position in dist. 10mm on Channel 23130 in LTE band 12

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

Date of measurement: 8/6/2026

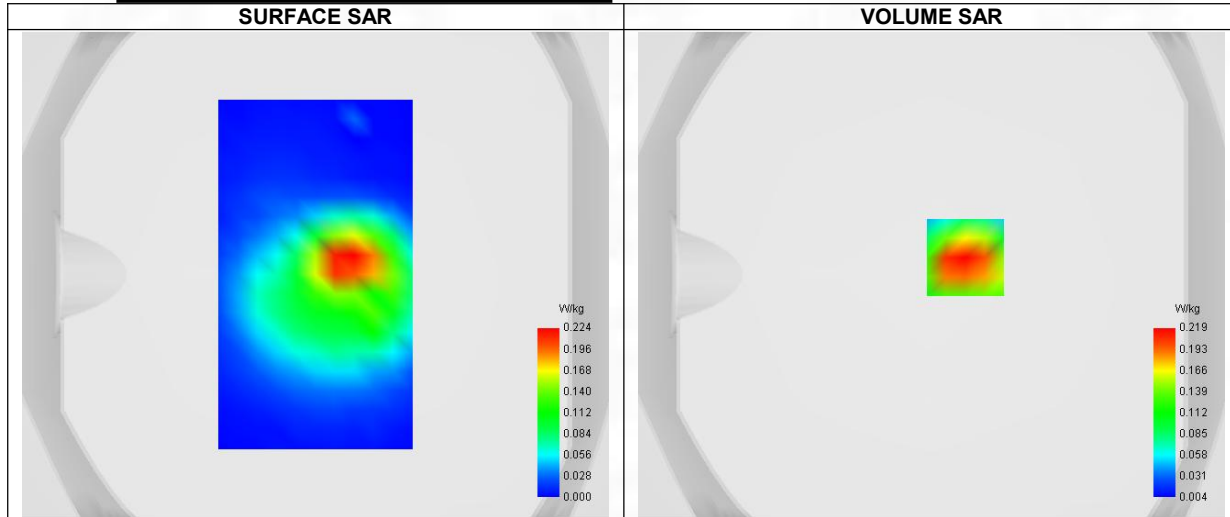
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 12
Channels/Frequency	Middle (23130)/ frequency 711.000 Mhz
Signal	LTE FDD
Cell Bandwidth	10 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	711.000
Relative permittivity (real part)	42.642
Relative permittivity (imaginary part)	17.815
Conductivity (S/m)	0.867

C. SAR Surface and Volume

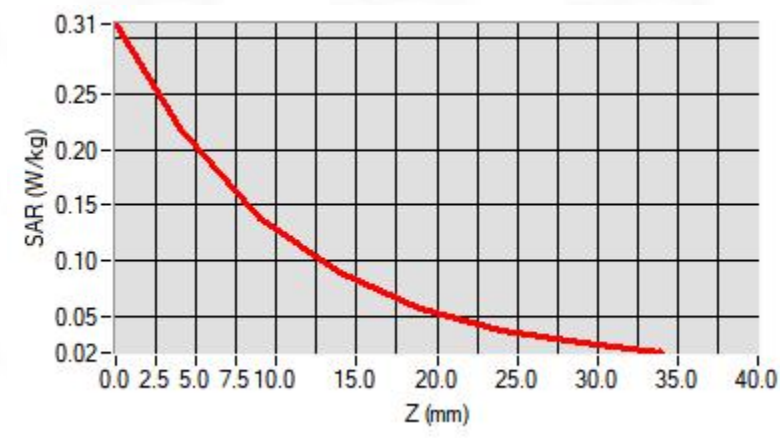


D. SAR 1g & 10g

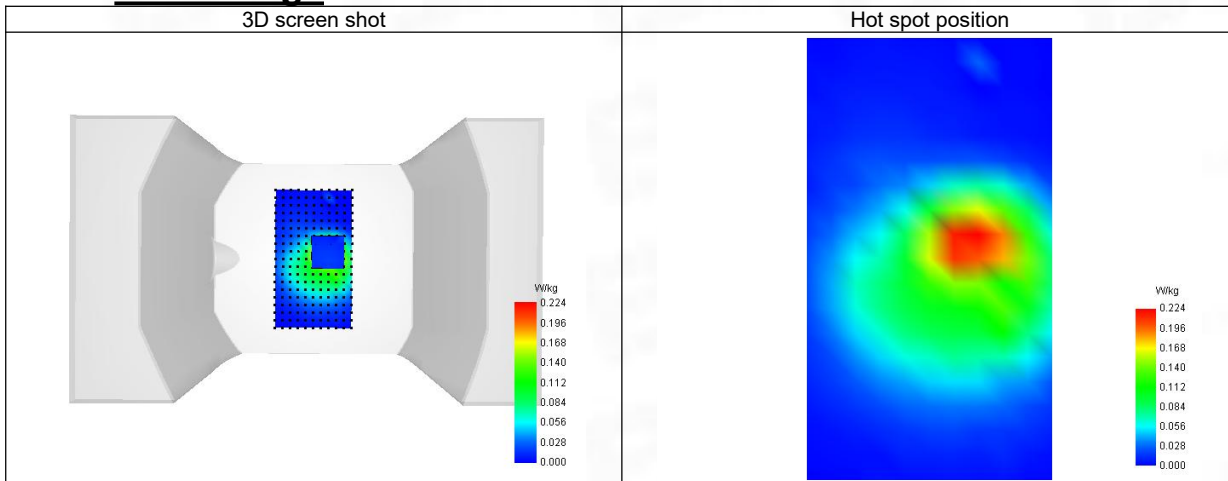
SAR 10g (W/Kg)	0.119
SAR 1g (W/Kg)	0.220
Variation (%)	2.470
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	63.026714

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.313	0.219	0.138	0.088	0.057	0.037	0.026



F. 3D Image



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

SAR Measurement at LTE band 66 (Cheek, Right)

Date of measurement: 10/5/2026

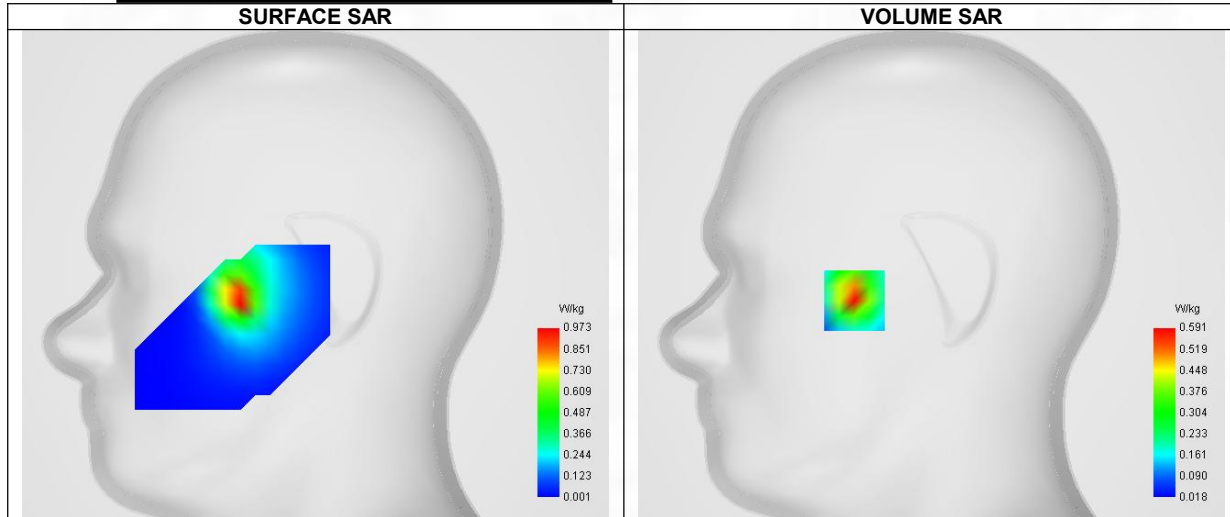
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	LTE band 66
Channels/Frequency	Middle (132322)/ frequency 1745.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1745.000
Relative permittivity (real part)	40.357
Relative permittivity (imaginary part)	15.830
Conductivity (S/m)	1.350

C. SAR Surface and Volume



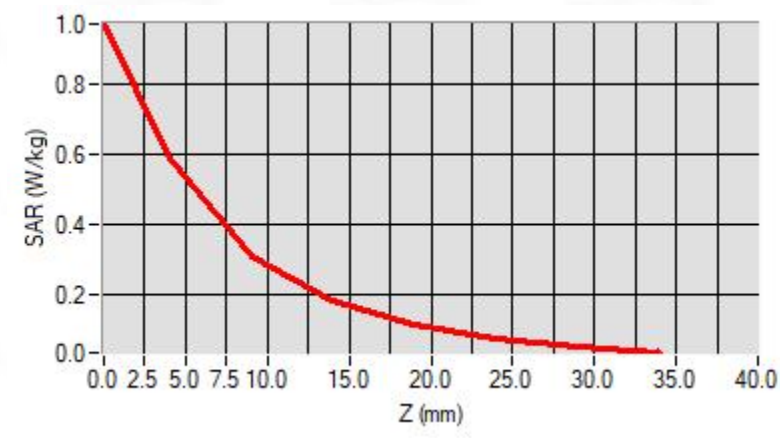
Maximum location: X=-41.00, Y=-14.00 ; SAR Peak: 0.96 W/kg

D. SAR 1g & 10g

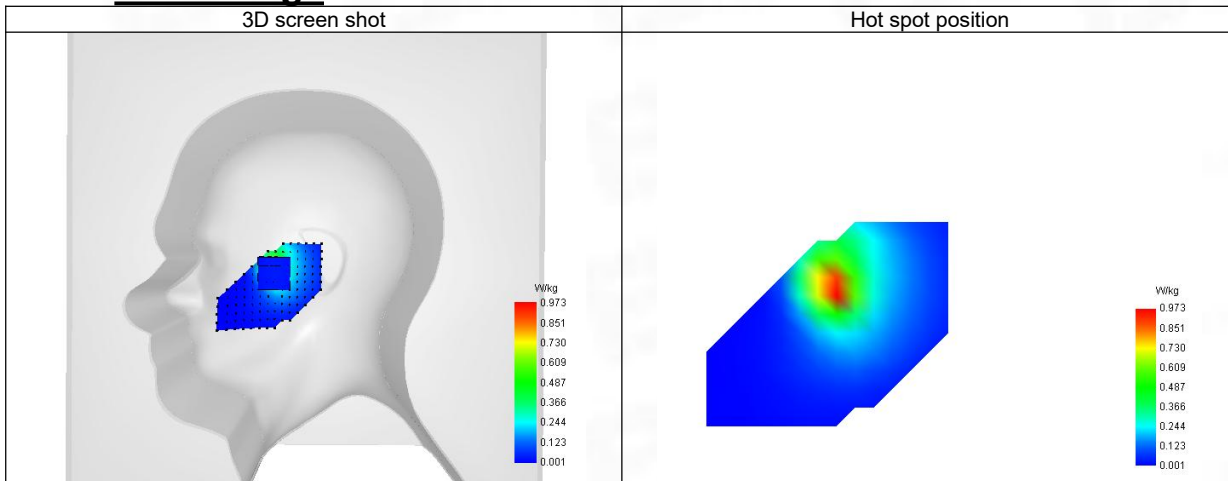
SAR 10g (W/Kg)	0.269
SAR 1g (W/Kg)	0.548
Variation (%)	-2.600
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	52.655943

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.973	0.591	0.311	0.186	0.115	0.075	0.052



F. 3D Image



6-Body with back position in dist. 10mm on Channel 132322 in LTE band 66

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

Date of measurement: 10/5/2026

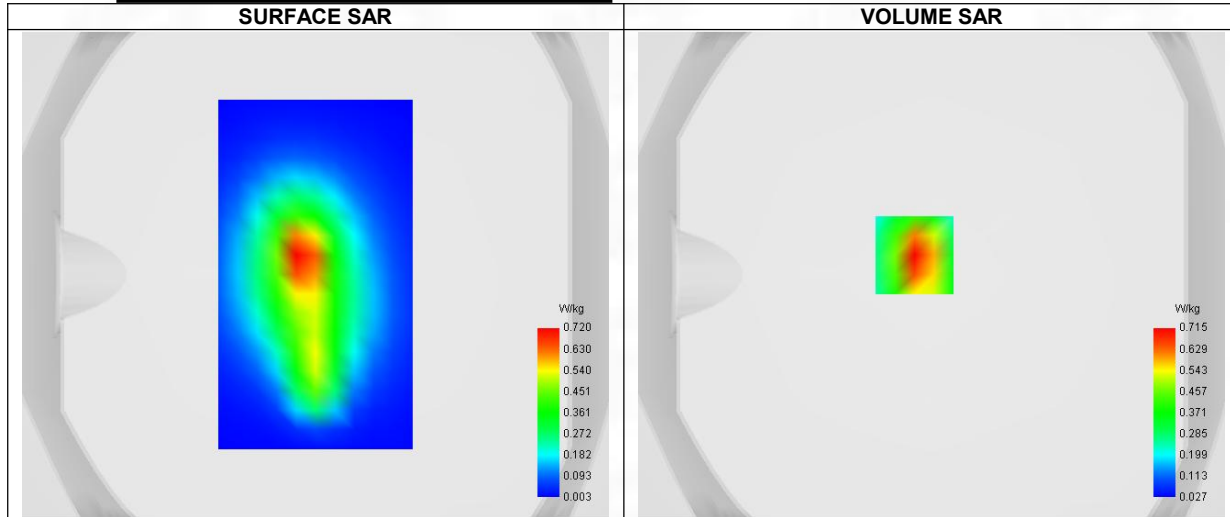
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	0.88
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	LTE band 66
Channels/Frequency	Middle (132322)/ frequency 1745.000 Mhz
Signal	LTE FDD
Cell Bandwidth	20 Mhz
Modulation	SC-OFDM - QPSK
RB offset	0
RB size	1

B. Permittivity

Middle TX Frequency (MHz)	1745.000
Relative permittivity (real part)	40.357
Relative permittivity (imaginary part)	15.830
Conductivity (S/m)	1.350

C. SAR Surface and Volume



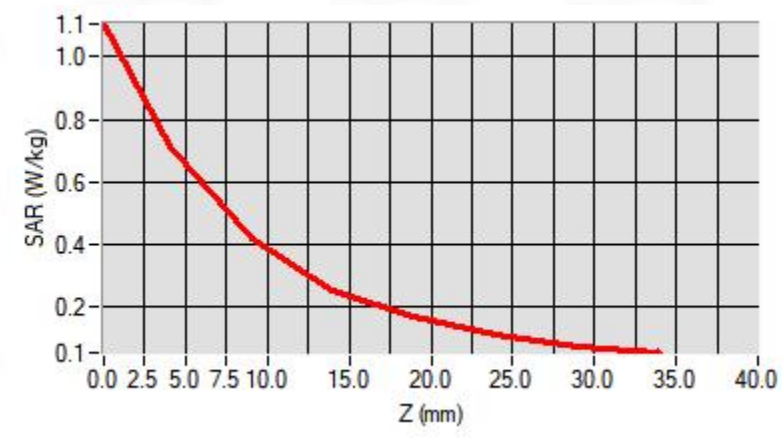
Maximum location: X=-7.00, Y=8.00 ; SAR Peak: 1.11 W/kg

D. SAR 1g & 10g

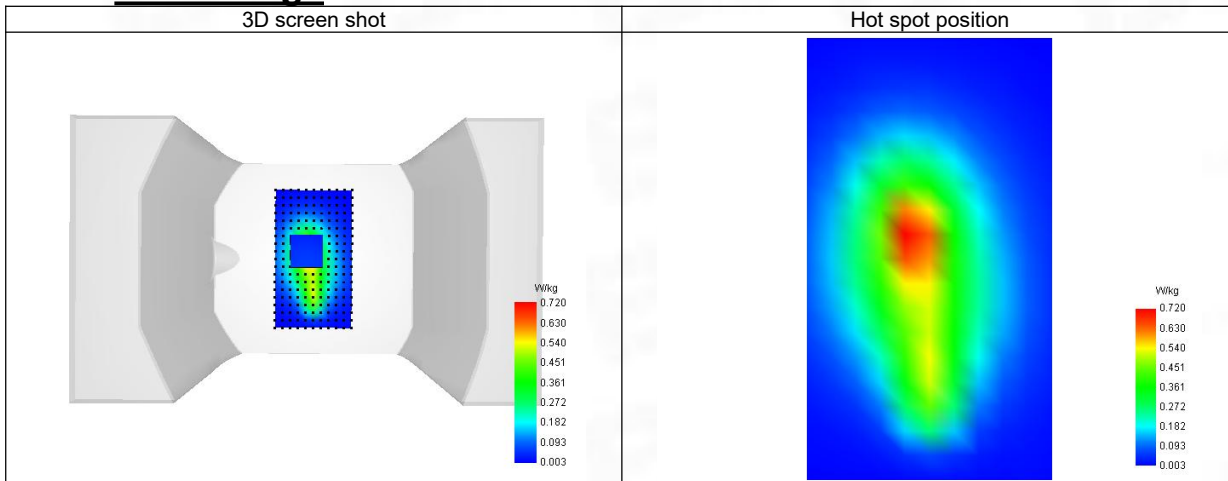
SAR 10g (W/Kg)	0.365
SAR 1g (W/Kg)	0.671
Variation (%)	-1.050
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	58.336630

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	1.104	0.715	0.417	0.254	0.169	0.111	0.076



F. 3D Image



7-Head with front position in dist. 0mm on Channel 376500 in NR N25

SAR Measurement at NR band 25 (Cheek, Right)

Date of measurement: 11/6/2026

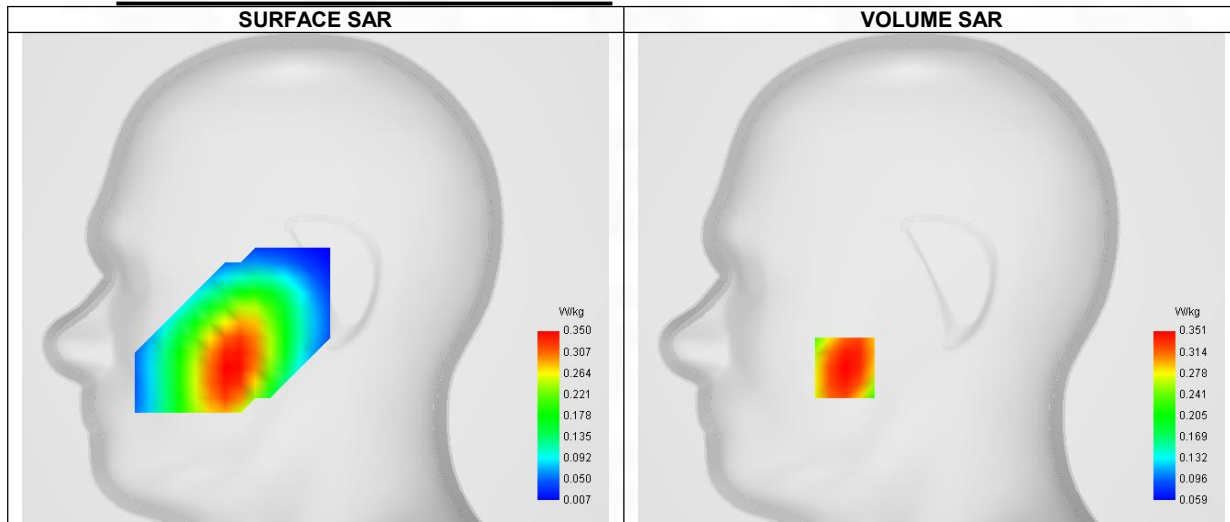
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	NR band 25
Channels/Frequency	Lower (376500)/ frequency 1882.500 Mhz
Signal	NR FDD
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20

B. Permittivity

Middle TX Frequency (MHz)	1882.500
Relative permittivity (real part)	40.347
Relative permittivity (imaginary part)	14.169
Conductivity (S/m)	1.387

C. SAR Surface and Volume



Maximum location: X=-46.00, Y=-48.00 ; SAR Peak: 0.40 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.182
SAR 1g (W/Kg)	0.342
Variation (%)	-0.010
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	79.202279

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
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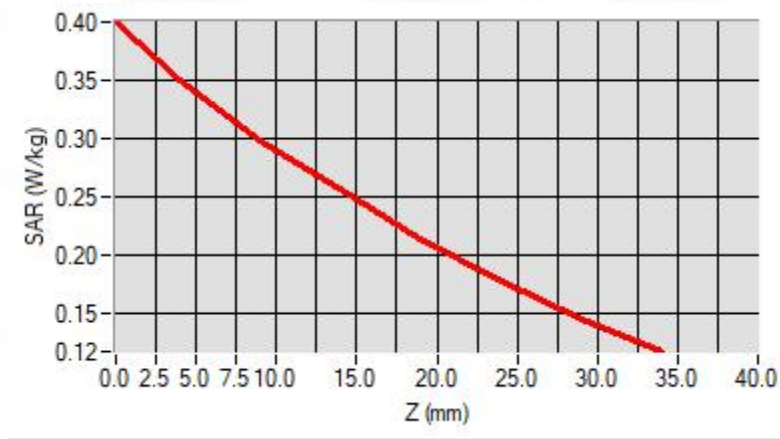
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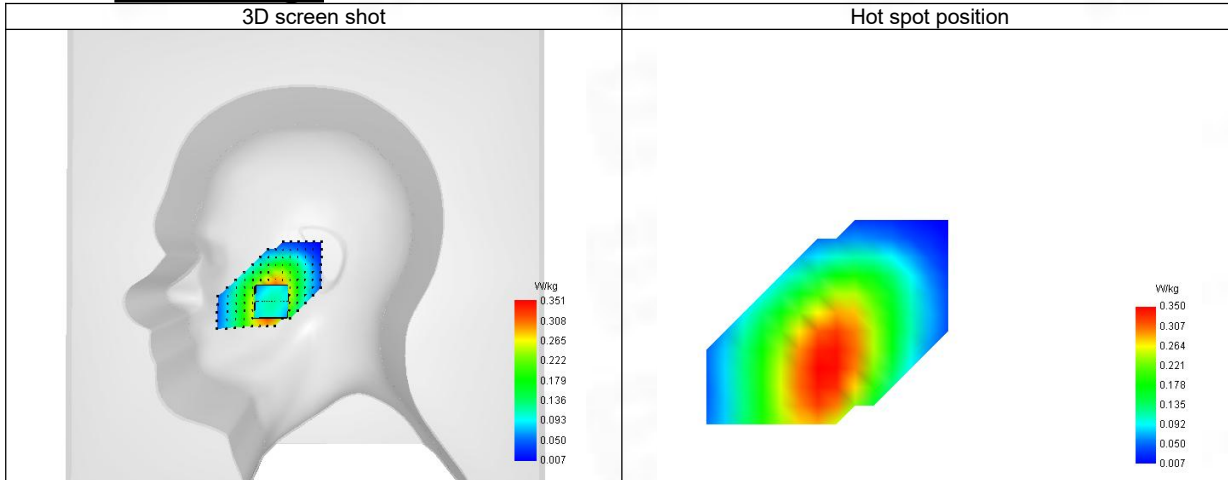
BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

SAR (W/Kg)	0.400	0.351	0.278	0.256	0.215	0.179	0.146
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F. 3D Image



8-Body with back position in dist. 10mm on Channel 376500 in NR N25

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

Date of measurement: 11/6/2026

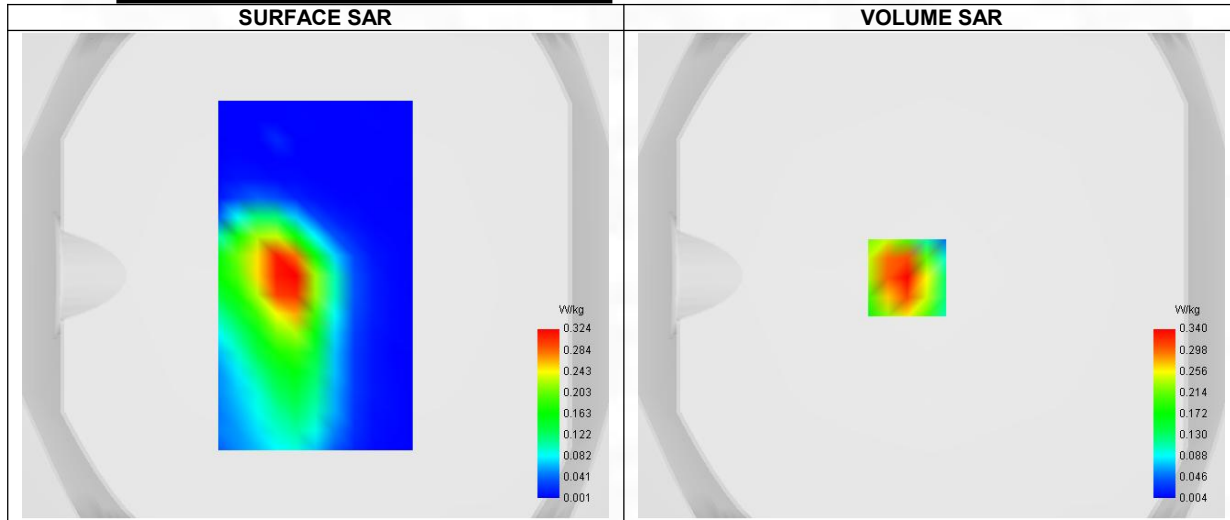
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.27
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	NR band 25
Channels/Frequency	Lower (376500)/ frequency 1882.500 Mhz
Signal	NR FDD
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20

B. Permittivity

Middle TX Frequency (MHz)	1882.500
Relative permittivity (real part)	40.347
Relative permittivity (imaginary part)	14.169
Conductivity (S/m)	1.387

C. SAR Surface and Volume



D. SAR 1g & 10g

SAR 10g (W/Kg)	0.186
SAR 1g (W/Kg)	0.322
Variation (%)	-0.670
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	61.315696

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
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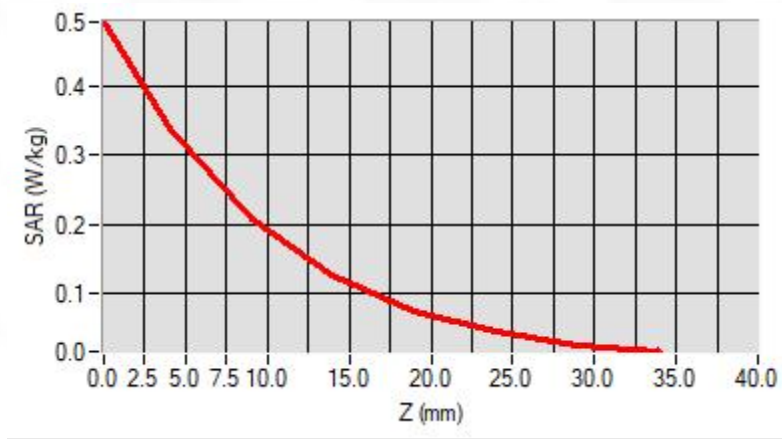
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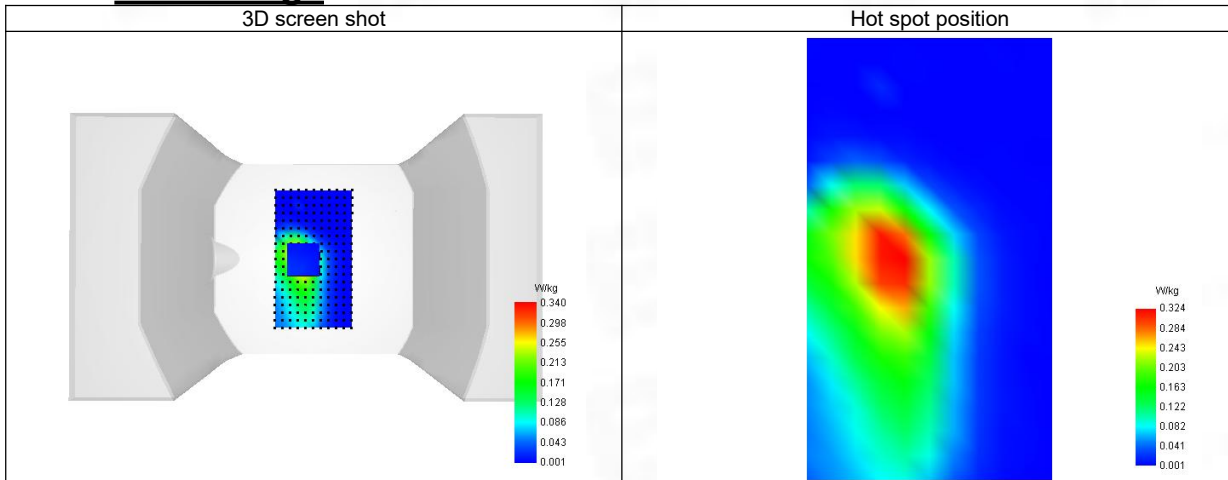
BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

SAR (W/Kg)	0.493	0.340	0.209	0.126	0.074	0.045	0.025
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F. 3D Image



9-Head with front position in dist. 0mm on Channel 518598 in NR N41

SAR Measurement at NR band 41 (Cheek, Right)

Date of measurement: 12/6/2026

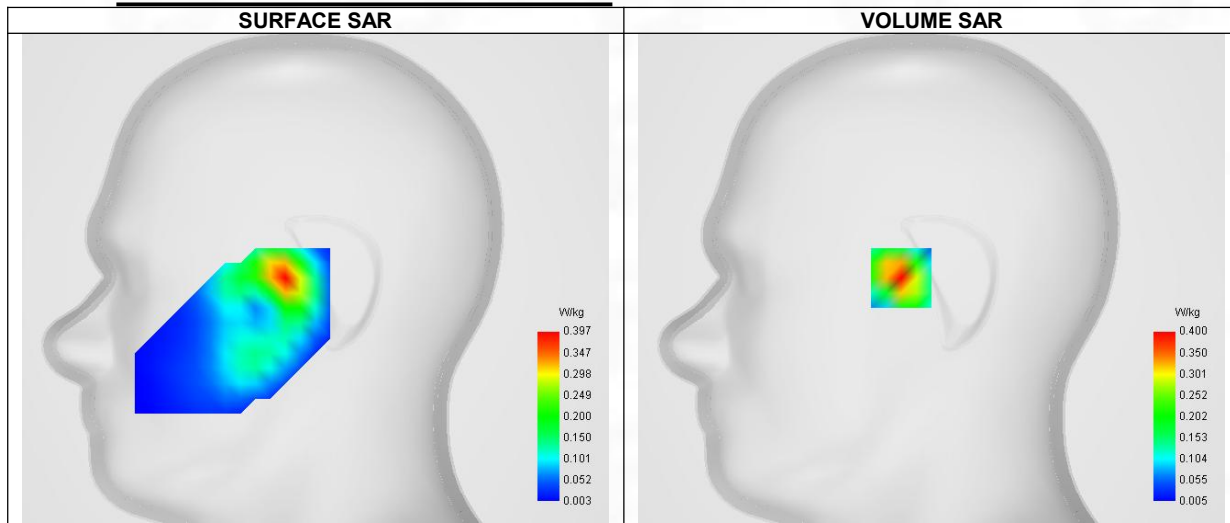
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	NR band 41
Channels/Frequency	Lower (518598)/ frequency 2592.990 Mhz
Signal	NR TDD
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	0
RB size	1
Duty Cycle (%)	1.00

B. Permittivity

Middle TX Frequency (MHz)	2592.990
Relative permittivity (real part)	38.682
Relative permittivity (imaginary part)	12.642
Conductivity (S/m)	1.925

C. SAR Surface and Volume



D. SAR 1g & 10g

SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.349
Variation (%)	-2.880
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	57.154032

E. Z Axis Scan

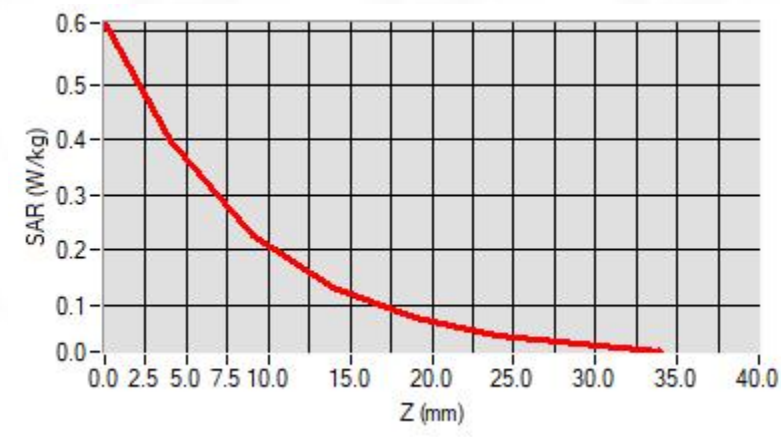
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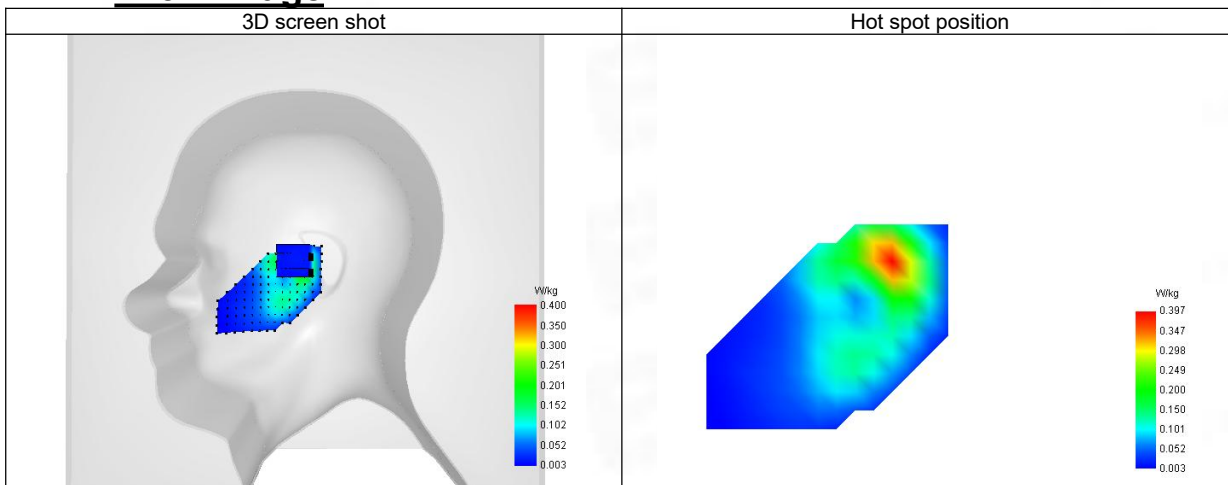
BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.613	0.400	0.228	0.134	0.079	0.045	0.029



F. 3D Image



10-Body with back position in dist. 10mm on Channel 518598 in NR N41

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

Date of measurement: 12/6/2026

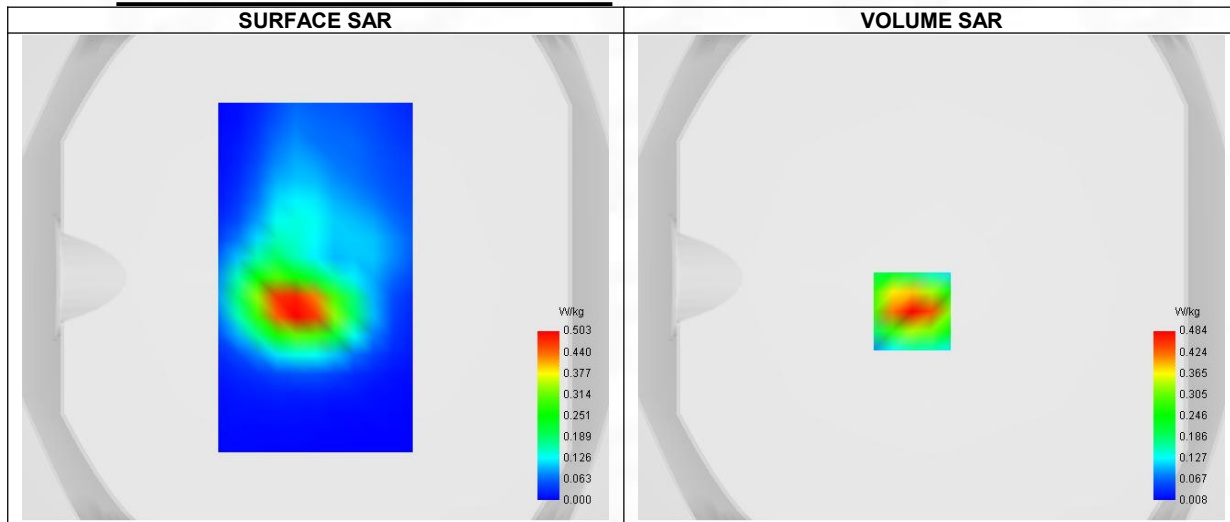
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.26
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	NR band 41
Channels/Frequency	Lower (518598)/ frequency 2592.990 Mhz
Signal	NR TDD
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	0
RB size	1
Duty Cycle (%)	1.00

B. Permittivity

Middle TX Frequency (MHz)	2592.990
Relative permittivity (real part)	38.682
Relative permittivity (imaginary part)	12.642
Conductivity (S/m)	1.925

C. SAR Surface and Volume



D. SAR 1g & 10g

SAR 10g (W/Kg)	0.236
SAR 1g (W/Kg)	0.423
Variation (%)	-3.230
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	57.680485

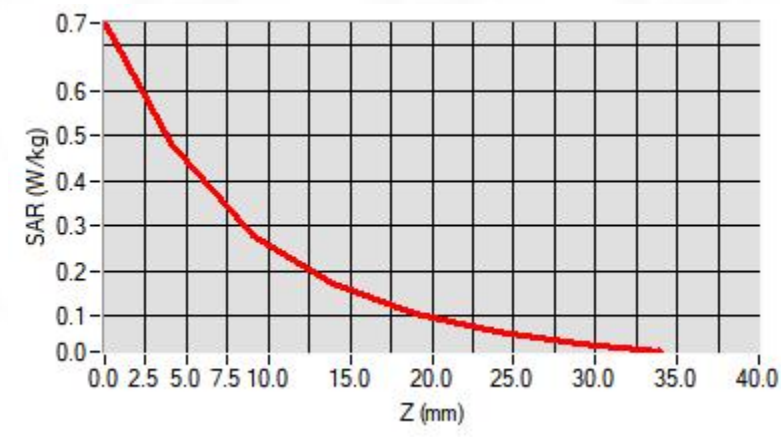
E. Z Axis Scan

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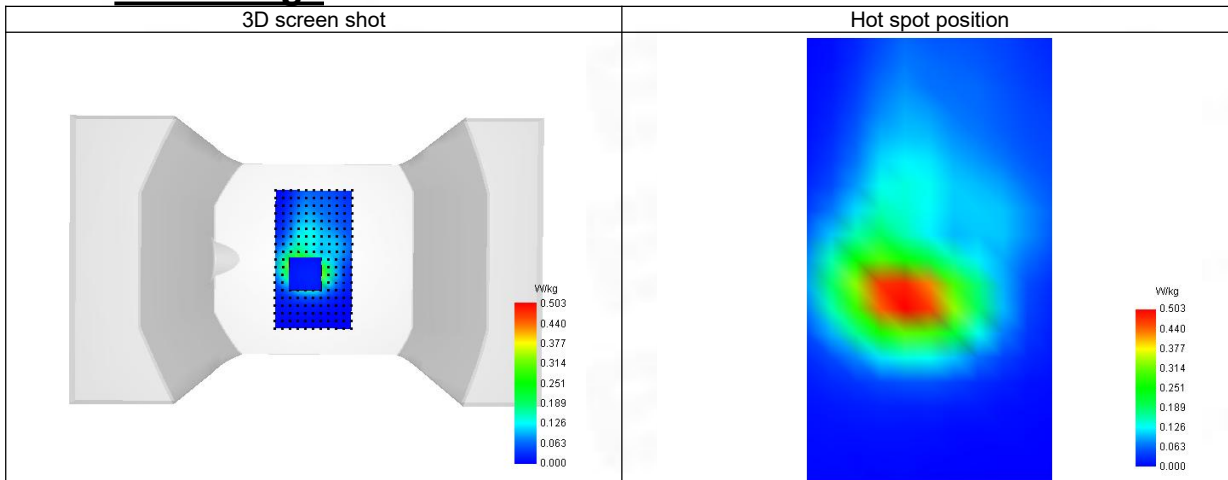
BTF Testing Lab (Shenzhen) Co., Ltd.

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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.750	0.484	0.279	0.174	0.107	0.063	0.037



F. 3D Image



11-Head with front position in dist. 0mm on Channel 134600 in NR N71

SAR Measurement at NR band 71 (Cheek, Right)

Date of measurement: 8/6/2026

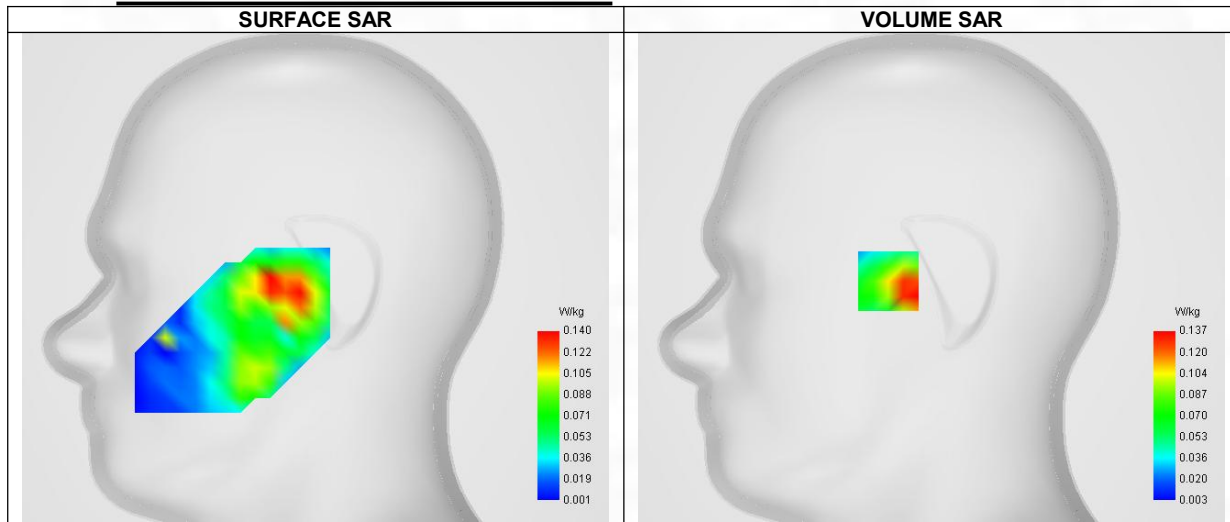
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Right head
Device Position	Cheek
Band	NR band 71
Channels/Frequency	Lower (134600)/ frequency 673.000 Mhz
Signal	NR FDD
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20

B. Permittivity

Middle TX Frequency (MHz)	673.000
Relative permittivity (real part)	42.944
Relative permittivity (imaginary part)	17.400
Conductivity (S/m)	0.853

C. SAR Surface and Volume



Maximum location: X=-23.00, Y=-2.00 ; SAR Peak: 0.20 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.058
SAR 1g (W/Kg)	0.133
Variation (%)	3.110
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	60.659508

E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
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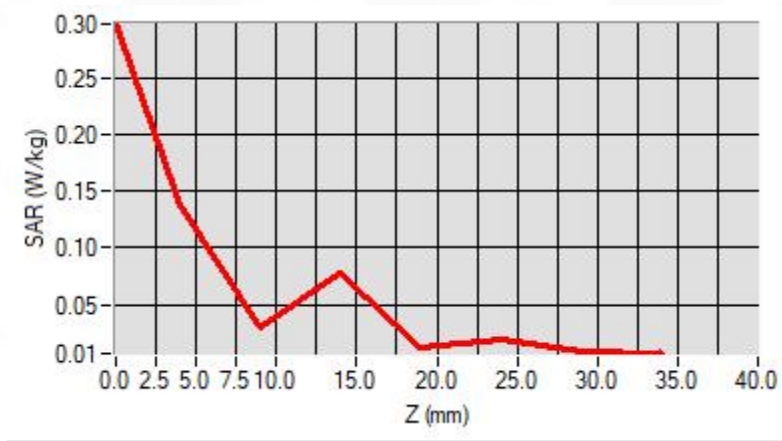
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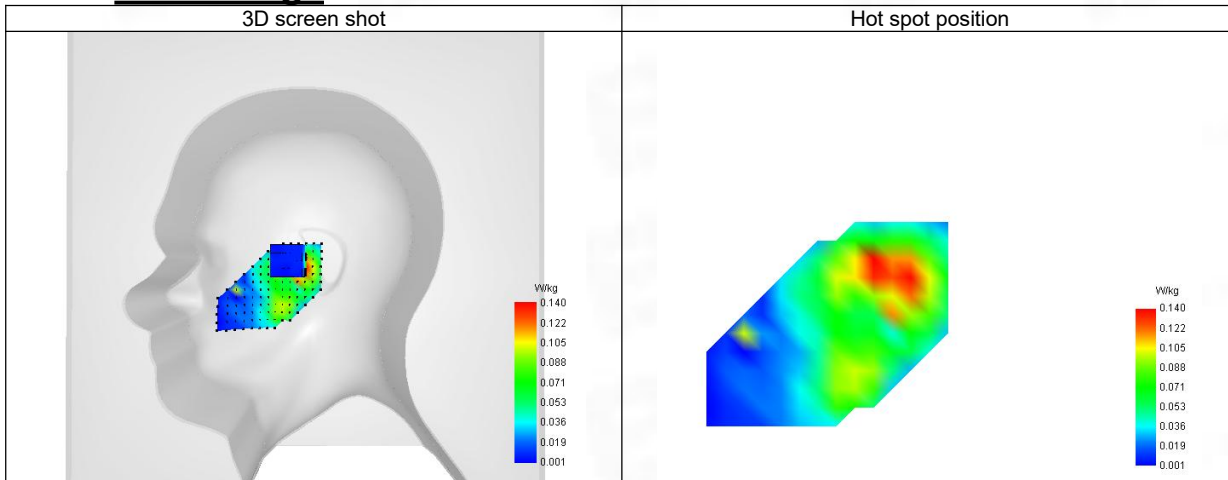
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SAR (W/Kg)	0.298	0.137	0.029	0.077	0.012	0.019	0.008
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F. 3D Image



12-Body with back position in dist. 10mm on Channel 134600 in NR N71

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

Date of measurement: 8/6/2026

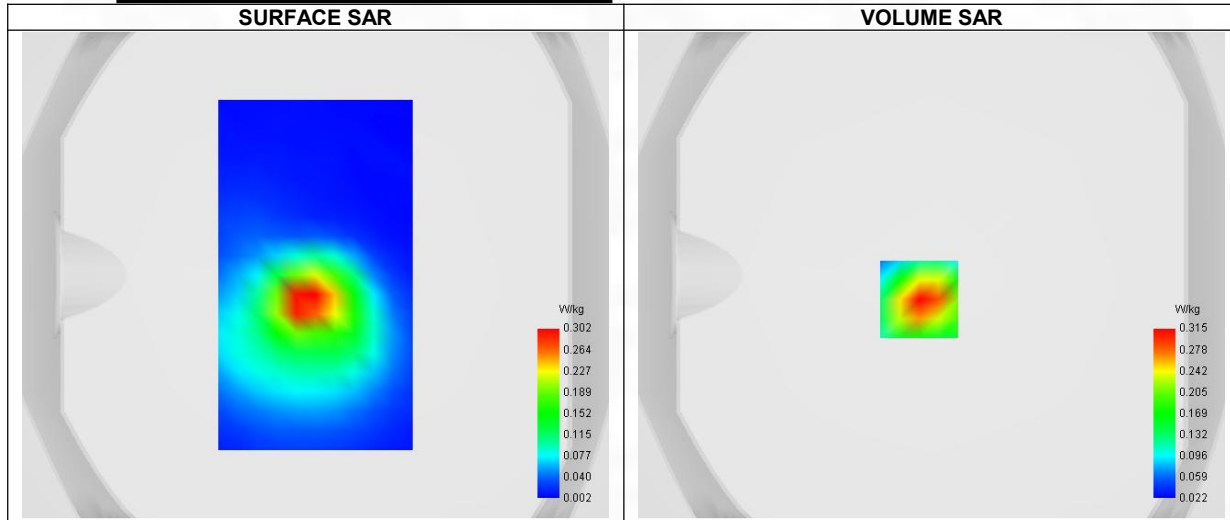
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.21
Area Scan	dx=8mm dy=8mm, Complete
Zoom Scan	5x5x7, dx=8mm dy=8mm dz=5.0mm, Complete
Phantom	Validation plane
Device Position	Body
Band	NR band 71
Channels/Frequency	Lower (134600)/ frequency 673.000 Mhz
Signal	NR FDD
Cell Bandwidth	20 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20

B. Permittivity

Middle TX Frequency (MHz)	673.000
Relative permittivity (real part)	42.944
Relative permittivity (imaginary part)	17.400
Conductivity (S/m)	0.853

C. SAR Surface and Volume



Maximum location: X=-5.00, Y=-10.00 ; SAR Peak: 0.55 W/kg

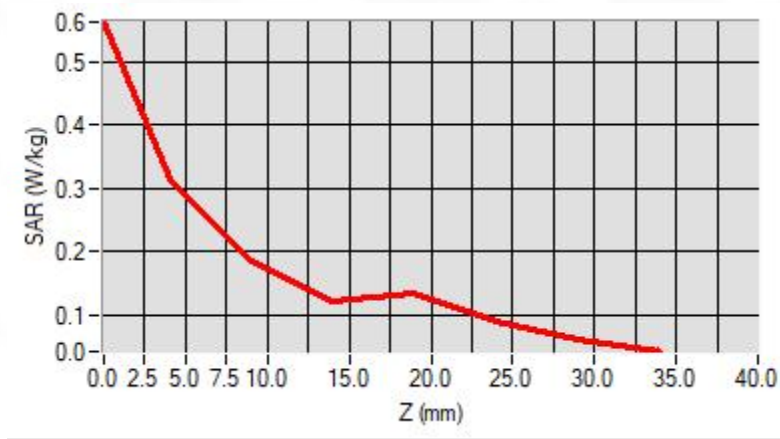
D. SAR 1g & 10g

SAR 10g (W/Kg)	0.179
SAR 1g (W/Kg)	0.318
Variation (%)	3.830
Horizontal validation criteria: minimum distance (mm)	16.000000
Vertical validation criteria: SAR ratio M2/M1 (%)	59.122893

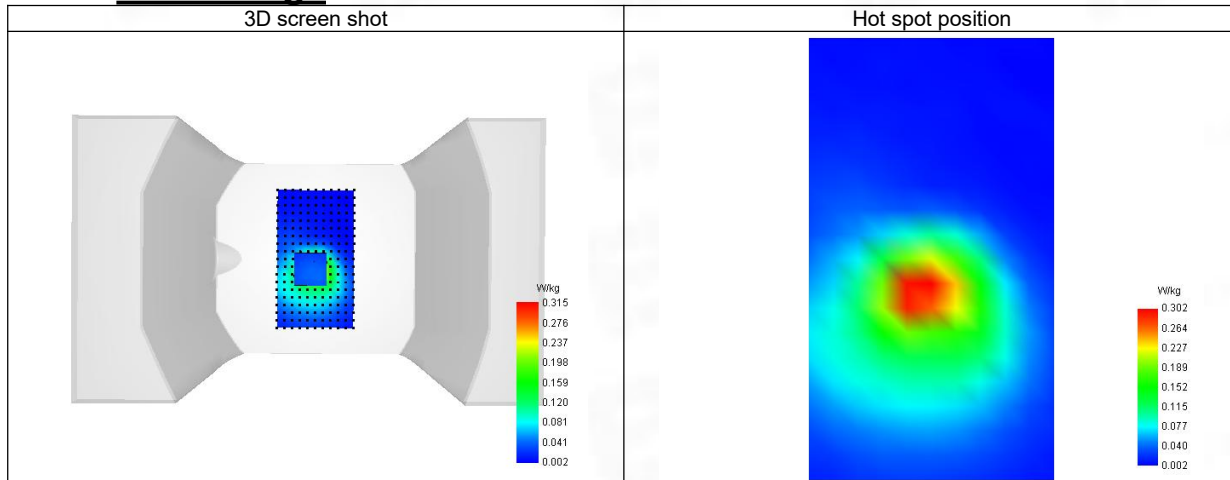
E. Z Axis Scan

Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
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SAR (W/Kg)	0.564	0.315	0.186	0.121	0.135	0.090	0.060
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F. 3D Image



13-Head with front position in dist. 0mm on Channel 633334 in NR N77

SAR Measurement at NR band 77 (Cheek, Right)

Date of measurement: 14/6/2026

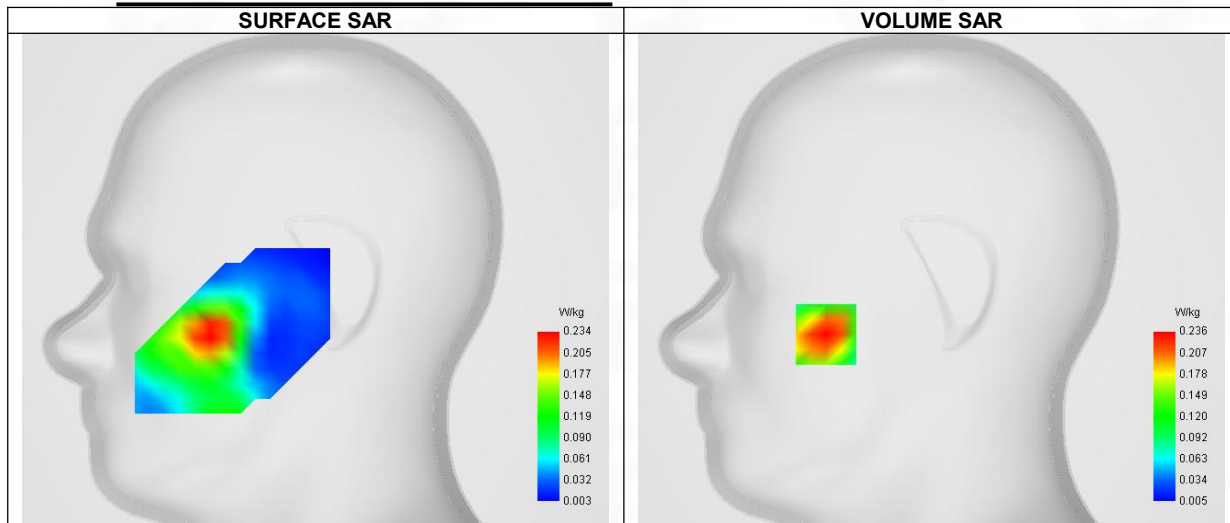
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.06
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	NR band 77
Channels/Frequency	Lower (633334)/ frequency 3500.010 Mhz
Signal	NR TDD
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20
Duty Cycle (%)	1.00

B. Permittivity

Middle TX Frequency (MHz)	3500.010
Relative permittivity (real part)	37.894
Relative permittivity (imaginary part)	13.841
Conductivity (S/m)	2.846

C. SAR Surface and Volume



Maximum location: X=-56.00, Y=-30.00 ; SAR Peak: 0.32 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.143
SAR 1g (W/Kg)	0.225
Variation (%)	-3.250
Horizontal validation criteria: minimum distance (mm)	17.888544
Vertical validation criteria: SAR ratio M2/M1 (%)	70.250390

E. Z Axis Scan

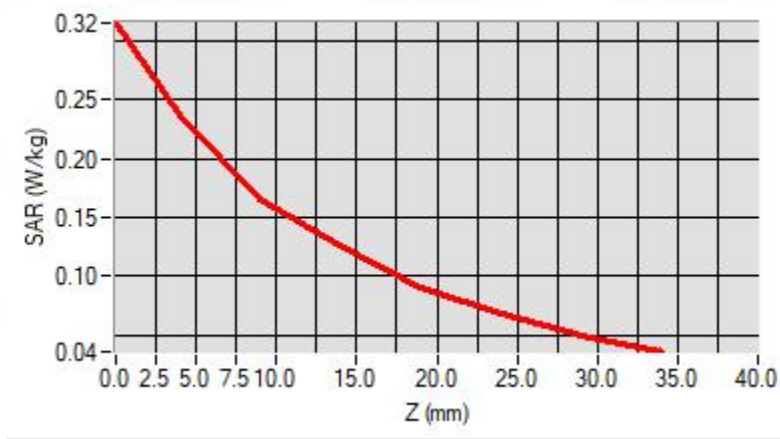
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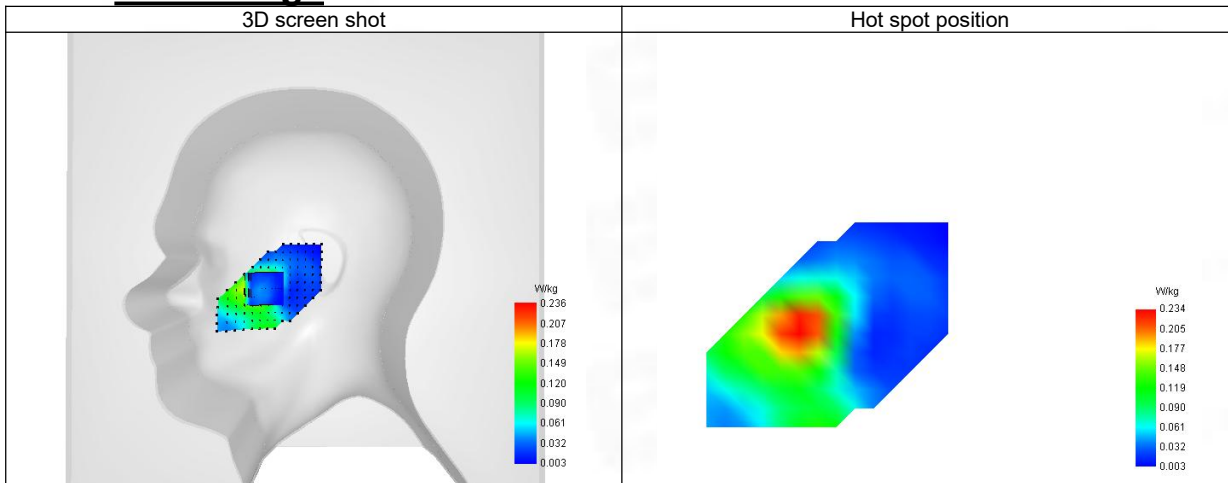
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.315	0.236	0.166	0.125	0.089	0.068	0.050



F. 3D Image



14-Body with back position in dist. 10mm on Channel 633334 in NR N77

SAR Measurement at NR band 77 (Body, Validation Plane)

Date of measurement: 14/6/2026

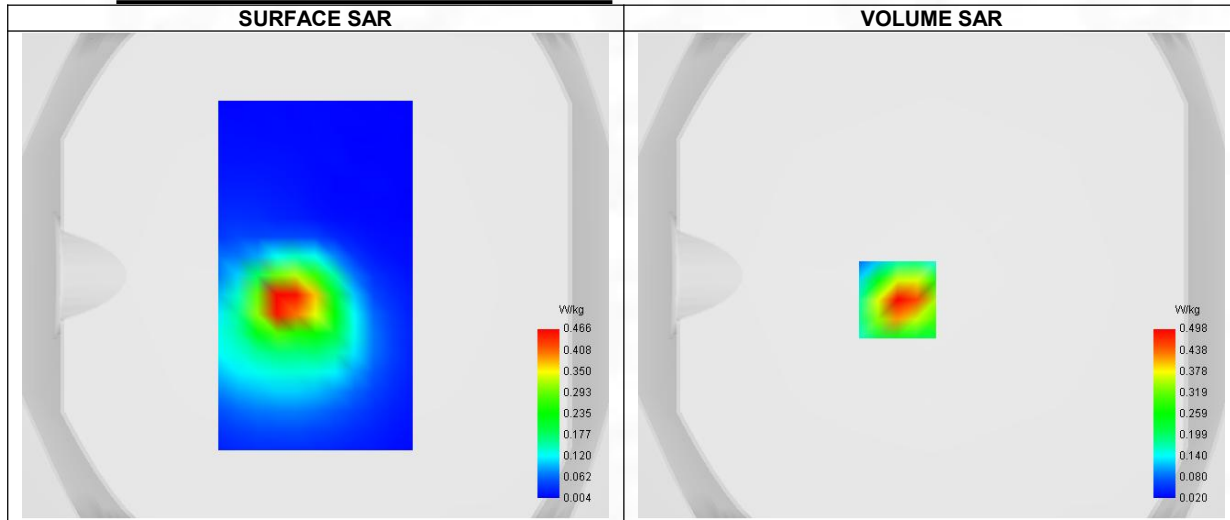
A. Experimental conditions.

Probe	0125-EPGO-445
ConvF	1.06
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	NR band 77
Channels/Frequency	Lower (633334)/ frequency 3500.010 Mhz
Signal	NR TDD
Cell Bandwidth	100 Mhz
Modulation	DFT-s-OFDM - QPSK
subcarrier spacing (SCS)	30 kHz
RB offset	5
RB size	20
Duty Cycle (%)	1.00

B. Permittivity

Middle TX Frequency (MHz)	3500.010
Relative permittivity (real part)	37.894
Relative permittivity (imaginary part)	13.841
Conductivity (S/m)	2.846

C. SAR Surface and Volume



Maximum location: X=-14.00, Y=-10.00 ; SAR Peak: 0.77 W/kg

D. SAR 1g & 10g

SAR 10g (W/Kg)	0.254
SAR 1g (W/Kg)	0.420
Variation (%)	-0.870
Horizontal validation criteria: minimum distance (mm)	11.313708
Vertical validation criteria: SAR ratio M2/M1 (%)	57.546960

E. Z Axis Scan

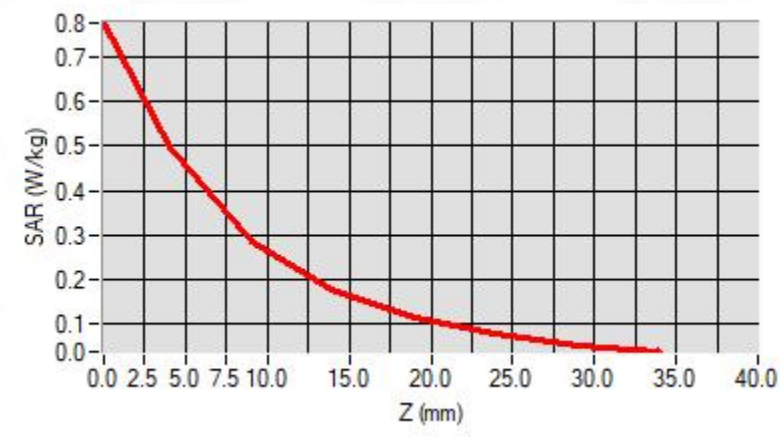
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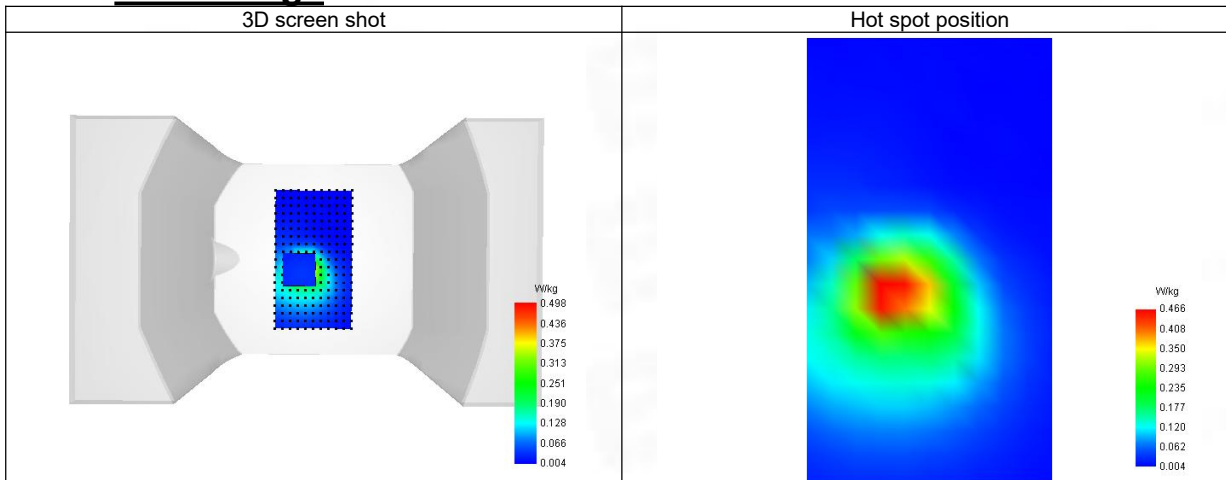
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Z (mm)	0.00	4.00	9.00	14.00	19.00	24.00	29.00
SAR (W/Kg)	0.775	0.498	0.287	0.180	0.116	0.078	0.054

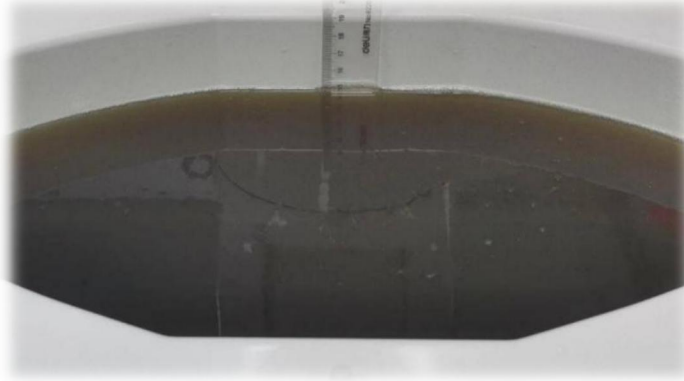


F. 3D Image



ANNEX D SAR Test Setup Photos

Reference Photo: simulation liquid depth 15cm



SAR Test Setup Photos please refer to the document "2AQRM-S67L_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".



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