SAR TESTREPORT

ISSUED BY Shenzhen BALUN Technology Co., Ltd.



FOR

Handheld Wireless Terminal

ISSUED TO Shanghai Sunmi Technology Co.,Ltd.

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China





Report No.: BL-SZ1880242-701

EUT Name: Handheld Wireless Terminal

Model Name: T8900 (refer section 2.4)

Brand Name: SUNMI FCC ID: 2AH25L2

Test Standard: FCC 47 CFR Part 2.1093

ANSI C95.1: 1999 IEEE 1528: 2013

Maximum SAR: Head (1 g): 0.090 W/kg

Body (1 g): 0.150 W/kg

Test Conclusion: Pass

clusion: Pas

Test Date: Aug. 21, 2018 ~ Aug. 22, 2018

Date of Issue: Sep. 27, 2018

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Revision History

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1 ADMINSTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Addroop	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road,
Address	Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.		
Tool Location	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road,		
Address	Nanshan District, Shenzhen, Guangdong Province, P. R. China		
	The laboratory has been listed by Industry Canada to perform		
	electromagnetic emission measurements. The recognition numbers of		
	test site are 11524A-1.		
	The laboratory is a testing organization accredited by FCC as a		
	accredited testing laboratory. The designation number is CN1196.		
Accreditation Certificate	The laboratory is a testing organization accredited by American		
	Association for Laboratory Accreditation (A2LA) according to ISO/IEC		
	17025.The accreditation certificate is 4344.01.		
	The laboratory is a testing organization accredited by China National		
	Accreditation Service for Conformity Assessment (CNAS) according to		
	ISO/IEC 17025. The accreditation certificate number is L6791.		
	All measurement facilities used to collect the measurement data are		
Description	located at Block B, FL 1, Baisha Science and Technology Park, Shahe		
Description	Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R.		
	China 518055		

1.3 Test Environment Condition

Ambient Temperature	20°C to 23°C
Ambient Relative Humidity	37% to 48%
Ambient Pressure	100 to 102KPa

1.4 Announce

- (1) The test report reference to the report template version v2.3.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) 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.



2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Shanghai Sunmi Technology Co.,Ltd	
Address	Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District,	
	Shanghai, China	

2.2 Manufacturer Information

Manufacturer	N/A
Address	N/A

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	Handheld Wireless Terminal
Model Name Under Test	T8900
Series Model Name	T8900, T8901
Description of Model Name Differentiation	All models have the same electrical parameters and internal structure of circuit, and only differ in model name and T8900 with scanning head, T8901 without scanning head.
Hardware Version	2DD021_V2.01
Software Version	L2_V2.6_20180621
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Ancillary Equipment

N/A



2.6 Technical Information

	2G Network GSM850/1900/900/1800;
Notice de part Mirelese	3G Network WCDMA Band 1/2/4/5;
Network and Wireless	CDMA/EVDO BC0/BC1;
connectivity	4G Network LTE Band 2/4/7/17/28
	WIFI, Bluetooth, NFC

The requirement for the following technical information of the EUT was tested in this report:

Operating Mode	5G WLAN		
Frequency Range	802.11a/	5150 ~ 5250 MH	Z
Trequency Nange	/n(HT20/HT40)	5725 ~ 5850 MH	Z
Antenna Type	PIFA Antenna		
Hotspot Function	Support		
Power Reduction	Not Support		
Exposure Category	General Population/Uncontrolled exposure		
EUT Stage	Portable Device		
Draduat	Туре		
Product	□ Production unit		☐ Identical prototype
Note: Only 5G WLAN was tested in this report.			



3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title	
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations	
2	ANSI/IEEE Std. C95.1-1999	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz	
3	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	
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies	
8	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz	
9	FCC KDB 865664 D02 v01r02	RF Exposure Reporting	
11 KDB 248227 D01 v02r02 SAR		SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters	

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.

Table of Exposure Limits:

	I I					
	SAR Value (W/Kg)					
Body Position	General Population/	Occupational/				
	Uncontrolled Exposure	Controlled Exposure				
Whole-Body SAR	0.08	0.4				
(averaged over the entire body)	0.08	0.4				
Partial-Body SAR	1.60	8.0				
(averaged over any 1 gram of tissue)	1.00	8.0				
SAR for hands, wrists, feet and						
ankles	4.0	20.0				
(averaged over any 10 grams of tissue)						



NOTE:

General Population/Uncontrolled: 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: 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

3.3.1 Highest SAR (1 g Value)

Band		Scaled SAR //kg)	Maximum Re (W/k	Limit (W/kg)				
	Head	Body	Body Head Bod					
5.2G WLAN	0.090	0.150	0.000	0.450	4.0			
5.8G WLAN	0.047	0.084	0.090	0.150	1.6			
Verdict		Pass						

3.3.2 Highest Simultaneous SAR

Only 5G WLAN was tested in this report, about simultaneous transmission SAR please refer to the report of No. I18D00141-SAR01.



3.4 Test Uncertainty

According to KDB 865664 D01, when the highest measured 1 g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis is not required in SAR reports submitted for equipment approval.

The maximum 1 g SAR for the EUT in this report is 0.150 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.



4 SAR MEASUREMENT SYSTEM

4.1 Definition of Specific Absorption Rate (SAR)

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

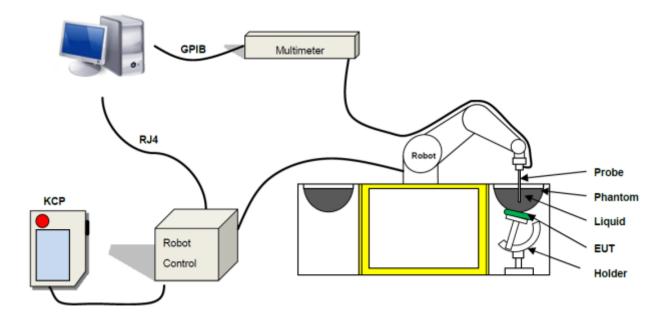
$$SAR = \frac{\sigma E^2}{\rho}$$

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 SATIMO SAR System

4.2.1 SATIMO SAR System Diagram





These measurements were performed with the automated near-field scanning system OPENSAR from SATIMO. The system is based on a high precision robot (working range: 850 mm), which positions the probes with a positional repeatability of better than \pm 0.02 mm. Special E- and H-field probes have been developed for measurements close to material discontinuity, the sensors of which are directly loaded with a Schottky diode and connected via highly resistive lines to the data acquisition unit.

The SAR measurements were conducted with dosimetric probe (manufactured by SATIMO), designed in the classical triangular configuration and optimized for dosimetric evaluation. The probe has been calibrated according to the procedure described in SAR standard with accuracy of better than ±10%. The spherical isotropy was evaluated with the procedure described in SAR standard and found to be better than ±0.25 dB. The phantom used was the SAM Phantom as described in FCC supplement C, IEEE P1528.

4.2.2 Robot

The SATIMO SAR system uses the high precision robots from KUKA. For the 6-axis controller system, the robot controller version (KUKA) from KUKA is used. The KUKA robot series have many features that are important for our application:



- · High precision (repeatability ±0.035 mm)
- · High reliability (industrial design)
- · Jerk-free straight movements
- Low ELF interference (the closed metallic construction shields against motor control fields)

4.2.3 E-Field Probe

For the measurements the Specific Dosimetric E-Field Probe SN 08 /16 EPGO 295 with following specifications is used

-- Dynamic range: 0.01-100 W/kg

- Tip Diameter: 2.5 mm

 Lower detection limit: 10 mW/kg (repeatability better than +/- 1mm)

- Probe linearity: +/- 0.07 dB

- Calibration range: 300 MHz to 6000 MHz for head & body simulating liquid.

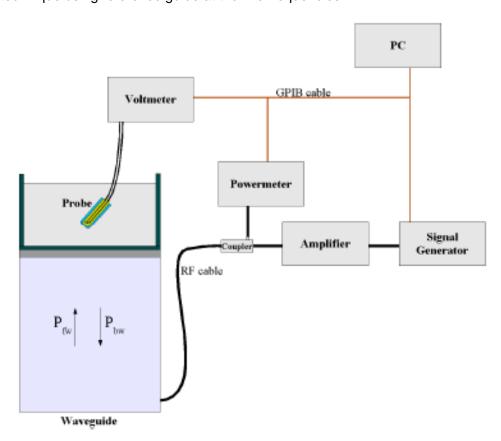


Angle between probe axis (evaluation axis) and surface normal line: less than 30°



E-Field Probe Calibration Process

Probe calibration is realized, in compliance with CENELEC EN 62209-1/-2 and IEEE 1528 std, with CALISAR, Antennessa proprietary calibration system. The calibration is performed with the IEC62209-1/2 annexe technique using reference guide at the five frequencies.



$$SAR = \frac{4(P_{fw} - P_{bw})}{ab\sigma} cos^{2} \left(\pi \frac{y}{a}\right) c^{(2\pi/\sigma)}$$

Where:

Forward Power Pfw Pbw **Backward Power**

a and b Waveguide Dimensions

Skin Depth

Keithley configuration

Rate = Medium; Filter =ON; RDGS=10; FILTER TYPE =MOVING AVERAGE; RANGE AUTO After each calibration, a SAR measurement is performed on a validation dipole and compared with a NPL calibrated probe, to verify it.

The calibration factors, CF(N), for the 3 sensors corresponding to dipole 1, dipole 2 and dipole 3 are:



CF(N)=SAR(N)/VIin(N)

(N=1,2,3)

The linearised output voltage Vlin(N) is obtained from the displayed output voltage V(N) using $Vlin(N)=V(N)^*(1+V(N)/DCP(N))$ (N=1,2,3)

Where the DCP is the diode compression point in mV.



4.2.4 Phantoms

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE SCC-34/SC2 group is used. The phantom is a polyurethane shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.

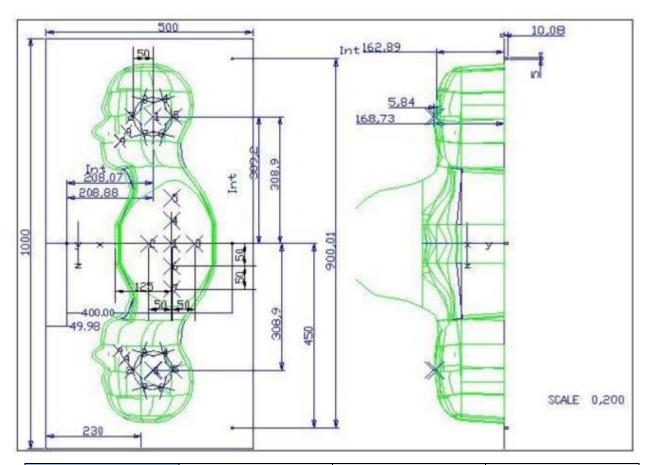
Photo of Phantom SN 30/13 SAM103

Photo of Phantom SN 30/13 SAM104



Serial Number	Serial Number Positionner Material		Loss Tangent
SN 30/13 SAM103	Gelcoat with fiberglass	3.4	0.02
SN 30/13 SAM104	Gelcoat with fiberglass	3.4	0.02





Serial Number		Left Head		Right Head		Flat Part
	2	2.00	2	2.03	1	2.09
	3	2.02	3	2.05	2	2.10
	4	2.04	4	2.04	3	2.09
SN 30/13 SAM103	5	2.04	5	2.07	4	2.11
	6	2.02	6	2.07	5	2.11
	7	2.01	7	2.09	6	2.09
	8	2.04	8	2.10	7	2.11
	9	2.02	9	2.09	-	-
	2	2.05	2	2.06	1	2.03
	3	2.08	3	2.03	2	2.03
	4	2.05	4	2.03	3	2.01
SN 30/13 SAM104	5	2.06	5	2.02	4	2.03
3N 30/13 3AN1104	6	2.08	6	2.02	5	2.03
	7	2.06	7	2.04	6	2.00
	8	2.07	8	2.04	7	1.98
	9	2.07	9	2.05	-	-



4.2.5 Device Holder

The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of \pm 0.5 mm would produce a SAR uncertainty of \pm 20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



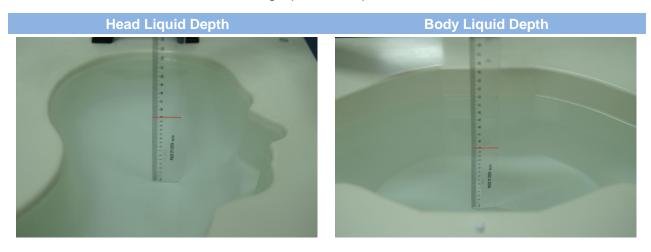
Serial Number Holder Material		Permittivity	Loss Tangent
SN 25/13 MSH87	Deirin	3.7	0.005
SN 25/13 MSH88	Deirin	3.7	0.005

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°.



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%.



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

		Hea	d (Referen	ce IEEE1	528)			
Frequency	Water	Sugar	Cellulose	Salt	Preventol	DGBE	Conductivity	Permittivity
(MHz)	(%)	(%)	(%)	(%)	(%)	(%)	σ (S/m)	3
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
Fraguenov(MHz)	Water	ŀ	lexyl Carbito	ol	Triton X-100		Conductivity	Permittivity
Frequency(MHz)	(%)		(%)		(%	6)	σ (S/m)	3
5200	62.52		17.24		17.24		4.66	36.0
5800	62.52		17.24		17.24		5.27	35.3
		Body (Fro	om instrun	nent man	ufacturer)			
Frequency	Water	Sugar	Cellulose	Salt	Preventol	DGBE	Conductivity	Permittivity
(MHz)	(%)	(%)	(%)	(%)	(%)	(%)	σ (S/m)	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





Fraguesou/MU=\	Water	DGBE	Salt	Conductivity	Permittivity
Frequency(MHz)	vvaler	(%)	(%)	σ (S/m)	3
5200	78.60	21.40	/	5.54	47.86
5800	78.50	21.40	0.1	6.0	48.20



5 SYSTEM VERIFICATION

5.1 Antenna Port Test Requirement

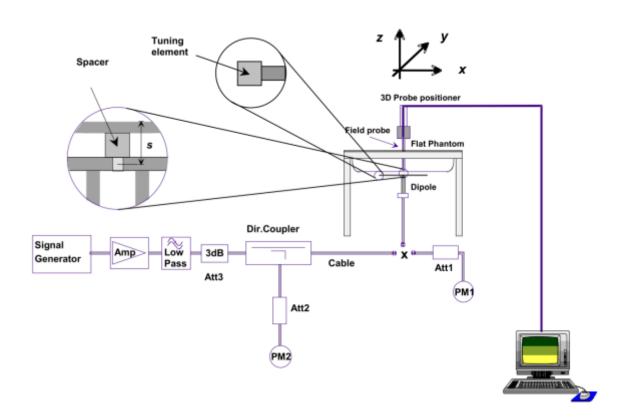
The SATIMO SAR system is equipped with one or more system validation kits. These units together with the predefined measurement procedures within the SATIMO software enable the user to conduct the system performance check and system validation. System validation kit includes a dipole, tripod holder to fix it underneath the flat phantom and a corresponding distance holder.

5.2 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. This 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.

5.3 System Check Setup

In the simplified setup for system evaluation, the EUT is replaced by a calibrated dipole and the power source is replaced by a continuous wave that comes from a signal generator. The calibrated dipole must be placed beneath the flat phantom section of the SAM twin phantom with the correct distance holder. The distance holder should touch the phantom surface with a light pressure at the reference marking and be oriented parallel to the long side of the phantom. The equipment setup is shown below:





6 EUT TEST POSITION CONFIGURATUONS

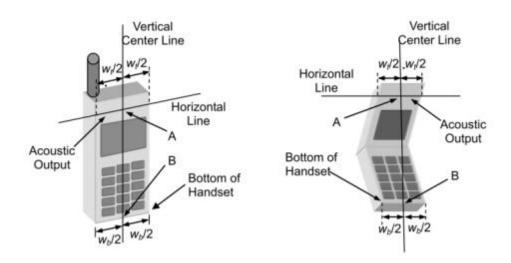
According to KDB 648474 D04 Handset, handsets are tested for SAR compliance in head, body-worn accessory and other use configurations described in the following subsections.

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 Define two imaginary lines on the handset

- (a) 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.
- (b) The horizontal line is perpendicular to the vertical centerline and passes through the center of the acoustic output. The horizontal line is also tangential to the face of the handset at point A.
- (c) 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 centerline is not necessarily parallel to the front face of the handset, especially for clamshell handsets, handsets with flip covers, and other irregularly shaped handsets.



6.1.2 Cheek Position

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





6.1.3 Tilted Position

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



6.2 Body-worn Position Conditions

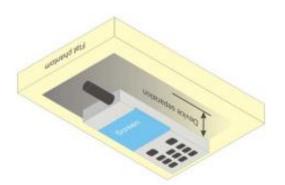
Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB 447498 are used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

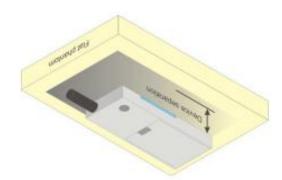
Body-worn accessories that do not contain metallic or conductive components may be tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.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



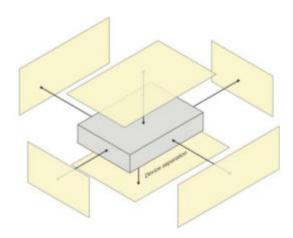
acquired by users of consumer handsets is used to test for body-worn accessory SAR compliance. This distance is determined by the handset manufacturer, according to the requirements of Supplement C 01-01. Devices that are designed to operate on the body of users using lanyards and straps, or without 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

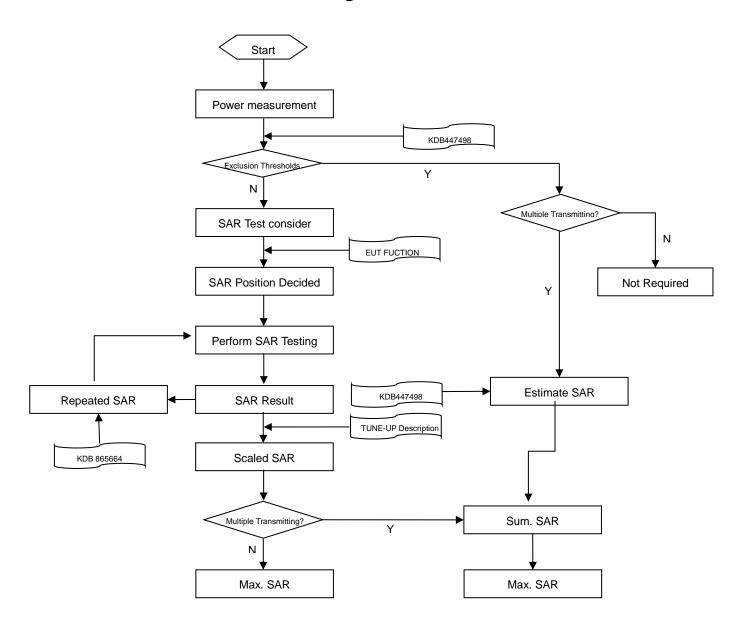
For handsets that support hotspot mode operations, with wireless router capabilities and various web browsing functions, the relevant hand and body exposure conditions are tested according to the hotspot SAR procedures in KDB 941225. A test separation distance of 10 mm is required between the phantom 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).





7 SAR MEASUREMENT PROCEDURES

7.1 SAR Measurement Process Diagram





7.2 SAR Scan General Requirements

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 (geometric center of prob		•	5±1 mm	½·δ·ln(2)±0.5 mm		
Maximum probe angle from	•	s to phantom surface	30°±1°	20°±1°		
Maximum area scan spa	tial resolution	n: Δx Area , Δy Area	\leq 2 GHz: \leq 15 mm 3–4 GHz: \leq 12 mm 4 − 6 GHz: \leq 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 \leq the corresponding x or y dimension of the test device with at least one measurement point on the test device.			
Maximum zoom scan spa	atial resolutio	on: Δx Zoom , Δy Zoom	≤ 2 GHz: ≤ 8 mm 2 –3 GHz: ≤ 5 mm*	3–4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*		
	unifor	m grid: Δz Zoom (n)	≤ 5 mm	3–4 GHz: ≤ 4 mm 4–5 GHz: ≤ 3 mm 5–6 GHz: ≤ 2 mm		
Maximum zoom scan spatial resolution, normal to phantom surface	graded	△ z 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		
	grid	△ z Zoom (n>1): between subsequent points	≤ 1.5·Δz 2	≤ 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 \leq 1.4 W/kg, \leq 8 mm, \leq 7 mm and \leq 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 SAR Measurement Procedure

The following steps are used for each test position

- Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface
- Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.
- 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.
- 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 Procedures

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. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below.

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.



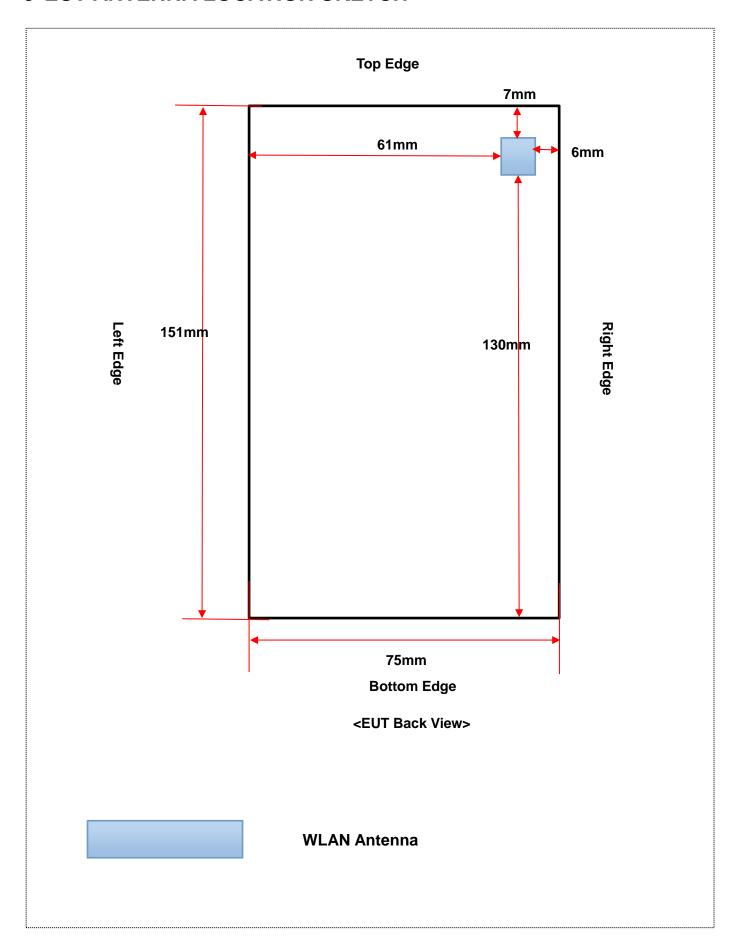
8 CONDUCTED RF OUPUT POWER

8.1 WIFI

Band (GHz)	Mode	Channel	Freq. (MHz)	Avg. Power (dBm)	Tune-up Limit (dBm)	SAR Test Require.
		36	5180	9.40	10.50	No
	802.11a	40	5200	9.81	10.50	No
	602.11a	44	5220	11.10	12.00	Yes
		48	5240	7.69	8.00	No
5.2		36	5180	7.51	8.50	No
(5.15~5.25)	902 11 ₂ /UT20)	40	5200	7.92	8.50	No
	802.11n(HT20)	44	5220	9.21	10.00	No
		48	5240	5.76	6.50	No
	802.11n(HT40)	38	5190	8.14	8.50	No
		46	5230	7.47	8.50	No
		149	5745	11.68	12.00	Yes
	802.11a	157	5785	11.22	12.00	No
		165	5825	11.02	12.00	No
5.8		149	5745	9.93	10.50	No
(5.725~5.850)	802.11n(HT20)	157	5785	9.47	10.50	No
		165	5825	9.26	10.50	No
	000 44 p (UT40)	151	5755	10.55	11.00	No
	802.11n(HT40)	159	5790	10.12	11.00	No



9 EUT ANTENNA LOCATION SKETCH





9.1 SAR Test Exclusion Consider Table

According with FCC KDB 447498 D01, Appendix A, <SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and \leq 50 mm> Table, this Device SAR test configurations consider as following :

		May Bo	ak Power	Test Position Configurations					
Band	Mode	IVIAX. PE	ak Powei	Head	Front/	Left	Right	Тор	Bottom
		dBm	mW	пеац	Back	Edge	Edge	Edge	Edge
	Distance	<5mm	<5mm	61mm	6mm	7mm	130 mm		
WLAN	802.11a	12.00	15.85	Yes	Yes	No	Yes	Yes	No
5.2 G	802.11n(HT20)	10.00	10.00	No	No	No	No	No	No
	802.11n(HT40)	8.50	7.08	No	No	No	No	No	No
	Distance	e to User		<5mm	<5mm	61mm	6mm	7mm	130 mm
WLAN	802.11a	12.00	15.85	Yes	Yes	No	Yes	Yes	No
5.8 G	802.11n(HT20)	10.50	11.22	No	No	No	No	No	No
	802.11n(HT40)	11.00	12.59	No	No	No	No	No	No

Note:

- Maximum power is the source-based time-average power and represents the maximum RF output power among production units.
- 2. Per KDB 447498 D01, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
- 3. Per KDB 447498 D01, standalone SAR test exclusion threshold is applied; If the distance of the antenna to the user is < 5mm, 5mm is used to determine SAR exclusion threshold
- 4. Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

- a. f(GHz) is the RF channel transmit frequency in GHz
- b. Power and distance are rounded to the nearest mW and mm before calculation
- c. The result is rounded to one decimal place for comparison
- d. For < 50 mm distance, we just calculate mW of the exclusion threshold value (3.0) to do compare.

This formula is [3.0] / [\(\sigma (GHz))] \(\cdot\)[(min. test separation distance, mm)] = exclusion threshold of mW.

- 5. Per KDB 447498 D01, at 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following:
 - a. [Threshold at 50 mm in step 1) + (test separation distance 50 mm)-(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
 - b. [Threshold at 50 mm in step 1) + (test separation distance 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz
- Per KDB 248227 D01 SAR is not required for the following U-NII-1 and U-NII-2A bands conditions.
 - a. When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, each band is tested independently for SAR.
 - b. When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, each band is tested independently for SAR.



- 7. Per KDB 248227 D01 5G WLAN Subsequent Test Configuration Procedures
 - SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units.
 - a. When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
 - b. When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.



10 TEST RESULTS

10.1WIFI 5GHz

Fre. Band	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (%)	1 g Meas. SAR (W/Kg)	Meas. Power (dBm)	Max. tune-up Power (dBm)	Scaling Factor	Duty Cycle (%)	Duty Cycle Factor	1 g Scaled SAR (W/Kg)	Meas. No.
Head														
		Left Cheek	0	44	5220	2.88	0.038	11.10	12.00	1.230	87.21	1.147	0.054	/
5.2G	802.11 a	Left Tilt	0	44	5220	2.56	0.041	11.10	12.00	1.230	87.21	1.147	0.058	/
3.20	002.11 a	Right Cheek	0	44	5220	-4.92	0.059	11.10	12.00	1.230	87.21	1.147	0.083	/
		Right Tilt	0	44	5220	-1.35	0.064	11.10	12.00	1.230	87.21	1.147	0.090	1#
		Left Cheek	0	149	5745	-1.14	0.022	11.68	12.00	1.076	87.42	1.144	0.027	/
5.8G	802.11 a	Left Tilt	0	149	5745	3.46	0.024	11.68	12.00	1.076	87.42	1.144	0.030	/
5.60	002.11 a	Right Cheek	0	149	5745	-2.35	0.035	11.68	12.00	1.076	87.42	1.144	0.043	/
		Right Tilt	0	149	5745	-4.20	0.038	11.68	12.00	1.076	87.42	1.144	0.047	2#
Body														
		Front Side	10	44	5220	-4.77	0.014	11.10	12.00	1.230	87.21	1.147	0.020	/
5.2G	802.11 a	Back Side	10	44	5220	-2.73	0.106	11.10	12.00	1.230	87.21	1.147	0.150	3#
5.2G	002.11 a	Right Edge	10	44	5220	-1.39	0.061	11.10	12.00	1.230	87.21	1.147	0.086	/
		Top Edge	10	44	5220	-2.40	0.037	11.10	12.00	1.230	87.21	1.147	0.052	/
		Front Side	10	149	5745	3.63	0.011	11.68	12.00	1.076	87.42	1.144	0.014	/
5.8G	802.11 a	Back Side	10	149	5745	-2.48	0.068	11.68	12.00	1.076	87.42	1.144	0.084	4#
5.86	o∪∠.11 a	Right Edge	10	149	5745	-4.57	0.050	11.68	12.00	1.076	87.42	1.144	0.062	/
		Top Edge	10	149	5745	-2.85	0.019	11.68	12.00	1.076	87.42	1.144	0.023	/



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.

The highest measured SAR is 0.106 W/kg < 0.80 W/kg, so the repeated measurement is not required.



12 SIMULTANEOUS TRANSMISSION

Only 5G WLAN was tested in this report, about simultaneous transmission SAR please refer to the report of No. I18D00141-SAR01.



13 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
5 GHz Waveguide	SATIMO	SWG500	S/N 49/16 DIP WGA42	2017/03/22	2020/03/21
E-Field Probe	MVG	SSE2	S/N 31/17 EPGO 321	2018/03/16	2019/03/15
MultiMeter	Koithlay	MultiMeter	4024022	2018/06/15	2019/06/14
iviuitiivietei	Keithley	2000	4024022	2010/00/13	2019/00/14
Signal Generator	R&S	SMBV100A	260592	2018/06/15	2019/06/14
Power Meter	Agilent	E4419B	GB40201833	2017/11/02	2018/11/01
Power Sensor	Agilent	E9300A	MY41498012	2017/11/02	2018/11/01
Power Sensor	Agilent	E9300A	MY41499891	2017/11/02	2018/11/01
Network Analyzer	Agilent	5071C	MY46103472	2018/03/14	2019/03/13
Thermometer	Elitech	RC-4HC	N/A	2017/11/13	2018/11/12
Dielectric Probe Kit	SATIMO	SCLMP	SN 25/13 OCPG56	N/A	N/A
Power Amplifier	SATIMO	6552B	22374	N/A	N/A
Antenna	SATIMO	ANTA3	SN 17/13 ZNTA45	N/A	N/A
Phantom 1	SATIMO	SAM	SN 30/13 SAM103	N/A	N/A
Phantom 2	SATIMO	SAM	SN 30/13 SAM104	N/A	N/A
Attenuator	COM-MW	ZA-S1-31	1305003187	N/A	N/A
Directional coupler	AA-MCS	AAMCS-UDC	000272	N/A	N/A

Note: For dipole antennas, BALUN 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.

Date	Liquid Type	Fre. (MHz)	Temp.	Meas. Conductivity (σ) (S/m)	Meas. Permittivity (ε)	Target Conductivity (σ) (S/m)	Target Permittivity (ε)	Conductivity Tolerance (%)	Permittivity Tolerance (%)
2018.08.22	Head	5200	21.4	4.80	36.54	4.66	35.99	3.00	1.53
2018.08.21	Body	5200	21.6	5.40	50.79	5.30	49.01	1.89	3.63
2018.08.22	Head	5800	21.4	5.39	34.60	5.27	35.53	2.28	-2.62
2018.08.21	Body	5800	21.6	6.21	49.16	6.00	48.20	3.50	1.99

Note: The tolerance limit of Conductivity and Permittivity is± 5%.



ANNEX B SYSTEM CHECK RESULT

Comparing to the original SAR value provided by SATIMO, the validation data should be within its specification of 10%(for 1 g).

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)	Targeted SAR(W/kg)	Tolerance (%)
2018.08.22	Head	5200	100	16.182	161.82	161.03	0.49	159.00	1.77
2018.08.21	Body	5200	100	15.496	154.96	158.91	-2.49	159.00	-2.54
2018.08.22	Head	5800	100	18.896	188.96	182.30	3.65	181.20	4.28
2018.08.21	Body	5800	100	17.385	173.85	177.09	-1.83	181.20	-4.06

Note: The tolerance limit of System validation $\pm 10\%$.



System Performance Check Data(5200 MHz Head)

Type: Phone measurement (Complete) E-Field Probe: SN 3117 EPGO321

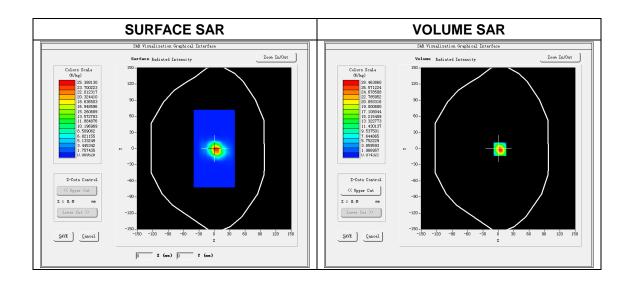
Area scan resolution: dx=8 mm,dy=8 mm

Zoom scan resolution: dx=4 mm, dy=4 mm, dz=2 mm

Date of measurement: 2018.08.22

Measurement duration: 29 minutes 52 seconds

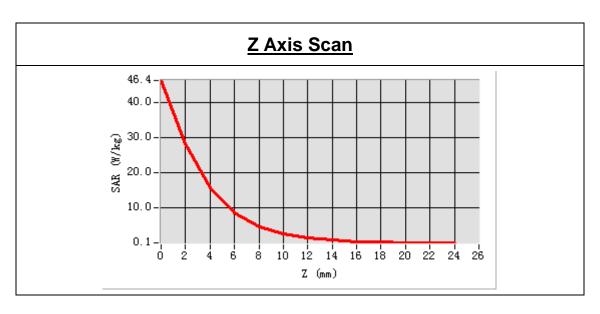
Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Band	5200 MHz
Signal	CW
Frequency (MHz)	5200.000000
Relative permittivity (real part)	36.541843
Conductivity (S/m)	4.798484
Power drift (%)	-0.330000
Ambient Temperature:	22.5°C
Liquid Temperature:	21.4°C
ConvF:	2.21
Crest factor:	1:1

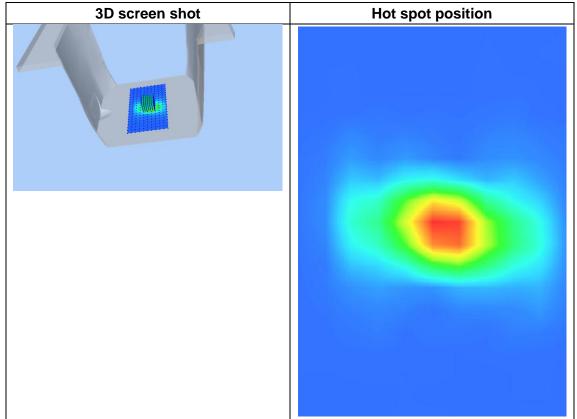




Maximum location: X=0.00, Y=0.00 SAR Peak: 46.35W/kg

SAR 10 g (W/Kg)	5.526521
SAR 1 g (W/Kg)	16.182095







System Performance Check Data(5200 MHz Body)

Type: Phone measurement (Complete) E-Field Probe: SN 3117 EPGO321

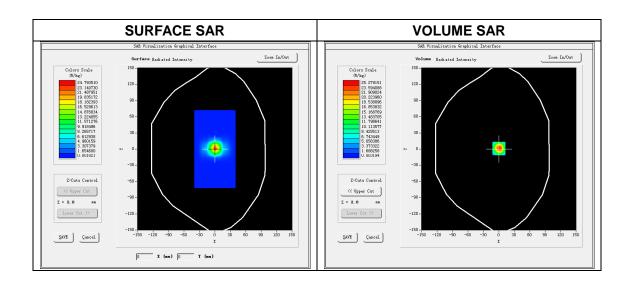
Area scan resolution: dx=8 mm,dy=8 mm

Zoom scan resolution: dx=4 mm, dy=4 mm, dz=2 mm

Date of measurement: 2018.08.21

Measurement duration: 29 minutes 35 seconds

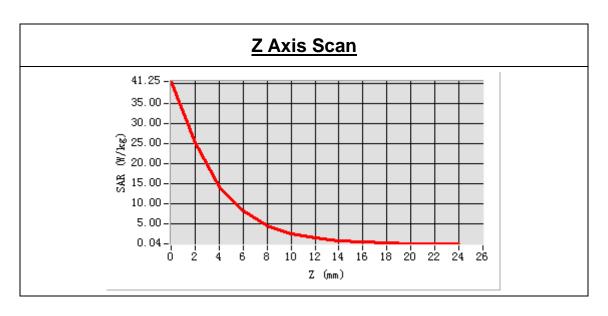
Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Band	5200 MHz
Signal	CW
Frequency (MHz)	5200.000000
Relative permittivity (real part)	50.793245
Conductivity (S/m)	5.395752
Power drift (%)	0.360000
Ambient Temperature:	22.9°C
Liquid Temperature:	21.6°C
ConvF:	2.26
Crest factor:	1:1

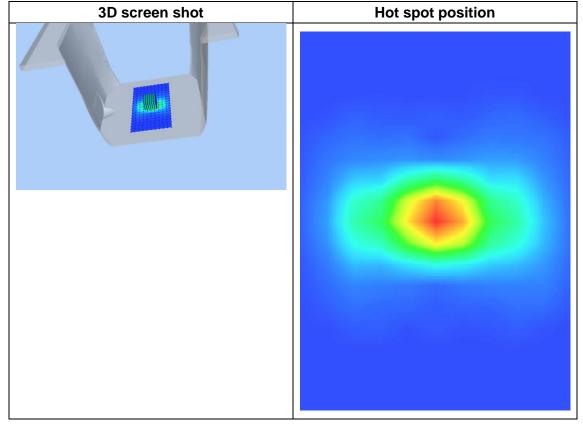




Maximum location: X=0.00, Y=0.00 SAR Peak: 41.20W/kg

SAR 10 g (W/Kg)	5.461348
SAR 1 g (W/Kg)	15.496157







System Performance Check Data(5800MHz Head)

Type: Phone measurement (Complete) E-Field Probe: SN 3117 EPGO321

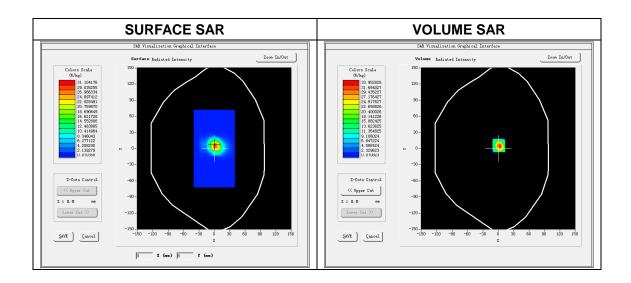
Area scan resolution: dx=8 mm,dy=8 mm

Zoom scan resolution: dx=4 mm, dy=4 mm, dz=2 mm

Date of measurement: 2018.08.22

Measurement duration: 29 minutes 14 seconds

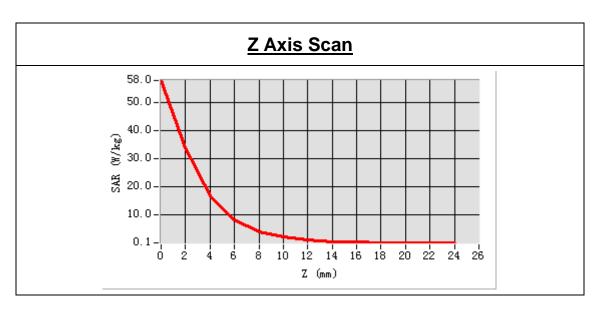
Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Band	5800 MHz
Signal	CW
Frequency (MHz)	5800.000000
Relative permittivity (real part)	34.602365
Conductivity (S/m)	5.391556
Power drift (%)	-1.030000
Ambient Temperature:	22.5°C
Liquid Temperature:	21.4°C
ConvF:	2.33
Crest factor:	1:1

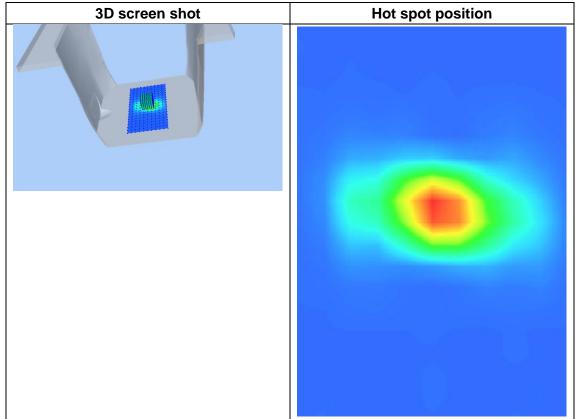




Maximum location: X=0.00, Y=8.00 SAR Peak: 57.90 W/kg

SAR 10 g (W/Kg)	6.169598
SAR 1 g (W/Kg)	18.895895







System Performance Check Data(5800MHz Body)

Type: Phone measurement (Complete) E-Field Probe: SN 3117 EPGO321

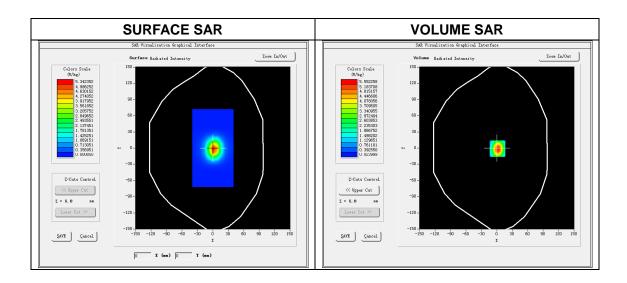
Area scan resolution: dx=8 mm,dy=8 mm

Zoom scan resolution: dx=4 mm, dy=4 mm, dz=2 mm

Date of measurement: 2018.08.21

Measurement duration: 29 minutes 36 seconds

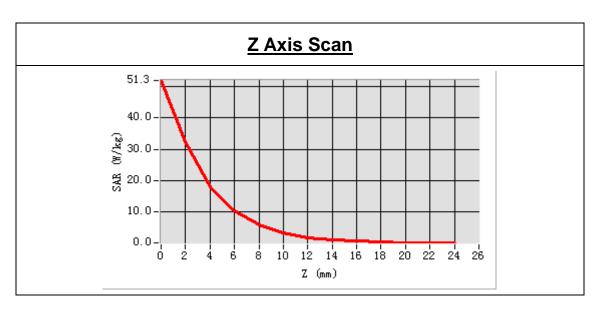
Phantom File	surf_sam_plan.txt
Phantom	Validation plane
Band	5800 MHz
Signal	CW
Frequency (MHz)	5800.000000
Relative permittivity (real part)	49.159463
Conductivity (S/m)	6.208542
Power drift (%)	-0.190000
Ambient Temperature:	22.9°C
Liquid Temperature:	21.6°C
ConvF:	2.39
Crest factor:	1:1

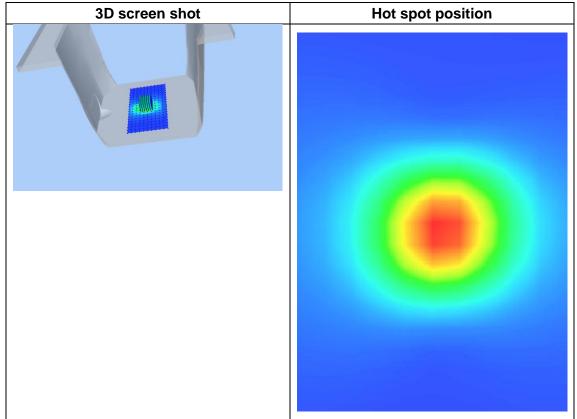




Maximum location: X=1.00, Y=-1.00 SAR Peak: 51.25 W/kg

SAR 10 g (W/Kg)	6.088392
SAR 1 g (W/Kg)	17.385316







ANNEX C TEST DATA

MEAS. 1 Right Head with Tilt on 44 Channel in IEEE 802.a mode

Test Date: 22/8/2018

Measurement duration: 19 minutes 44 seconds

Signal: WLAN, f=5220.0 MHz, Duty Cycle: 1:1.15
Liquid Parameters: Permittivity: 36.51; Conductivity: 4.82 S/m

Test condition: Ambient Temperature: 22.5°C, Liquid Temperature: 21.4°C

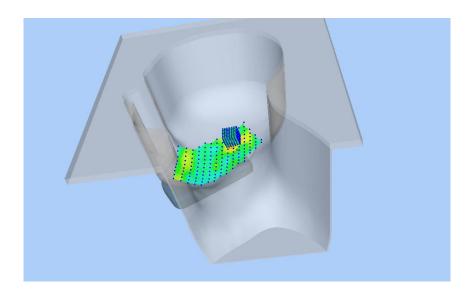
Probe: SN 3117 EPGO321, ConvF: 2.21

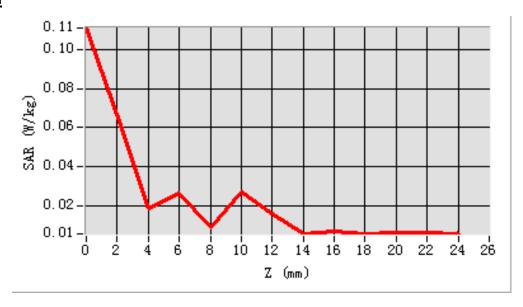
Area Scan:sam_direct_droit2_surf10mm.txt, h= 5.00 mmZoom Scan:7x7x12,dx=4mm, dy=4mm, dz=2mm,Complete

Maximum location: X=-6.000000, Y=24.000000

SAR 10g (W/Kg): 0.028349 SAR 1g (W/Kg): 0.063666 Power drift (%): -1.35

3D screen shot







MEAS. 2 Right Head with Tilt on 149 Channel in IEEE 802.a mode

Test Date: 22/8/2018

Measurement duration: 19 minutes 35 seconds

Signal: WLAN, f=5745.0 MHz, Duty Cycle: 1:1.14
Liquid Parameters: Permittivity: 34.63; Conductivity: 5.37 S/m

Test condition: Ambient Temperature: 22.5°C, Liquid Temperature: 21.4°C

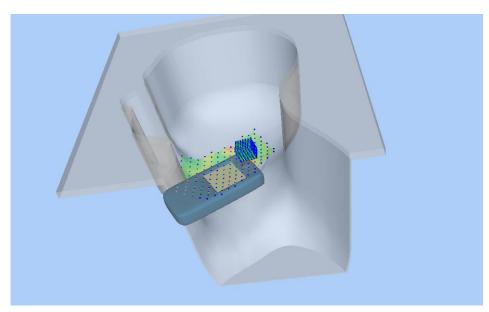
Probe: SN 3117 EPGO321, ConvF: 2.33

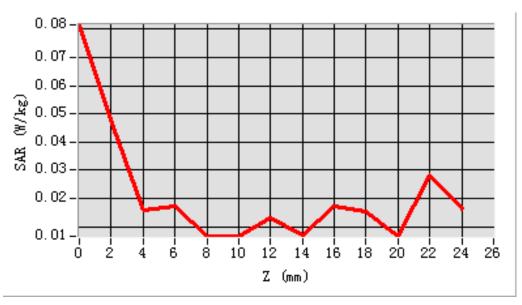
Area Scan:sam_direct_droit2_surf10mm.txt, h= 5.00 mmZoom Scan:7x7x12,dx=4mm, dy=4mm, dz=2mm,Complete

Maximum location: X=4.000000, Y=4.000000

SAR 10g (W/Kg): 0.017985 SAR 1g (W/Kg): 0.038122 Power drift (%): -4.20

3D screen shot







MEAS. 3 Body Plane with Back Side 10 mm on 44 Channel in IEEE 802.a mode

Test Date: 21/8/2018

Measurement duration: 29 minutes 27 seconds

Signal: WLAN, f=5220.0 MHz, Duty Cycle: 1:1.15
Liquid Parameters: Permittivity: 50.61; Conductivity: 5.51S/m

Test condition: Ambient Temperature: 22.9°C, Liquid Temperature: 21.6°C

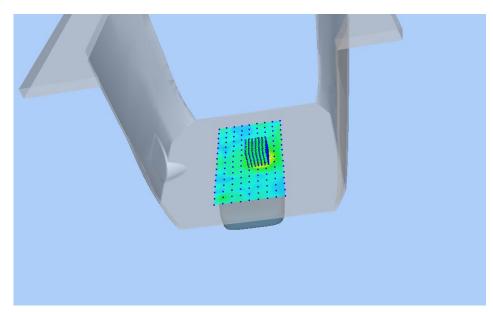
Probe: SN 3117 EPGO321, ConvF: 2.26

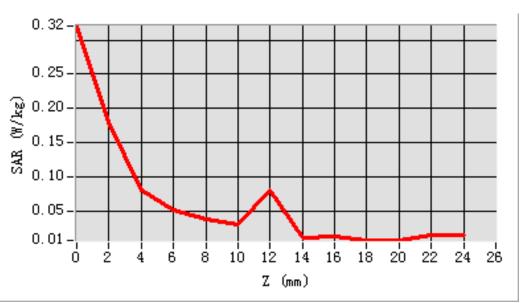
Area Scan:sam_direct_droit2_surf10mm.txt, h= 5.00 mmZoom Scan:7x7x12,dx=4mm, dy=4mm, dz=2mm,Complete

Maximum location: X=10.000000, Y=-2.000000

SAR 10g (W/Kg): 0.043927 SAR 1g (W/Kg): 0.105998 Power drift (%): -2.73

3D screen shot







MEAS. 4 Body Plane with Back Side 10 mm on 149 Channel in IEEE 802.a

mode

Test Date: 21/8/2018

Measurement duration: 29 minutes 15 seconds

Signal: WLAN, f=5745.0 MHz, Duty Cycle: 1:1.14
Liquid Parameters: Permittivity: 49.24; Conductivity: 6.12S/m

Test condition: Ambient Temperature: 22.9°C, Liquid Temperature: 21.6°C

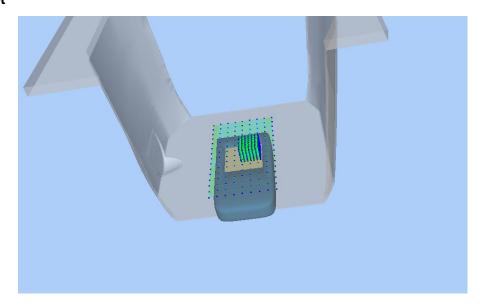
Probe: SN 3117 EPGO321, ConvF: 2.39

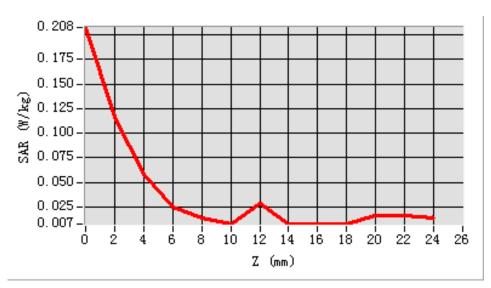
Area Scan:sam_direct_droit2_surf10mm.txt, h= 5.00 mmZoom Scan:7x7x12,dx=4mm, dy=4mm, dz=2mm,Complete

Maximum location: X=10.000000, Y=-2.000000

SAR 10g (W/Kg): 0.032499 SAR 1g (W/Kg): 0.067942 Power drift (%): -2.48

3D screen shot







ANNEX D EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ1880242-AW.pdf".

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document "BL-SZ1880242-AS.pdf".

ANNEX F CALIBRATION REPORT

Please refer the document "CALIBRATION REPORT.pdf".

--END OF REPORT--