TEST REPORT

Applicant:	Easy Storage Technologies Co., Ltd
Address:	5/F, Building D, Jinghang Building, Liu Xian Road 2, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Equipment Type:	4G BODY CAMERA
Model Name:	BC608G4E (refer to section 2.3)
Brand Name:	ponycam
FCC ID:	2AEP8-BC608G4E
Test Standard:	FCC 47 CFR Part 2.1093 (refer section 3.1)
Maximum SAR:	Body 2.4GHz(1 g@0mm): 0.98 W/kg
Sample Arrival Date:	Jun. 11, 2025
Test Date:	Jun. 30, 2025 - Jul. 04, 2025
Date of Issue:	Aug. 19, 2025

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Xiong Lining **Checked by:** Xu Rui **Approved by:** Tolan Tu

(Testing Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 19, 2025	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

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

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.

1.3 Test Environment Condition

Ambient Temperature	18℃ to 25℃
Ambient Relative Humidity	30% to 70%

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Easy Storage Technologies Co., Ltd
Address	5/F, Building D, Jinghang Building, Liu Xian Road 2, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

2.2 Manufacturer Information

Manufacturer	Easy Storage Technologies Co., Ltd
Address	5/F, Building D, Jinghang Building, Liu Xian Road 2, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China

2.3 General Description for Equipment under Test (EUT)

EUT Name	4G BODY CAMERA
Model Name Under Test	BC608G4E
Series Model Name	BC602G4E, BC607G4E
Description of Model Name Differentiation	The model names vary across different countries and regions. (this information provided by the applicant)
Hardware Version	BC607_ASR_SC223A_MB_V13
Software Version	V1.2.6-2025011823
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Fidason
	Model No.	HDS12345
	Serial No.	N/A
	Capacity	4200 mAh
	Rated Voltage	3.85 V
	Limit Charge Voltage	4.35 V
Ancillary Equipment 2	Adapter	
	Brand Name	N/A
	Model No.	XS12-050xxxU(xxx'are variables,xxx=010-210)
	Serial No.	N/A
	Rated Input	100-240V~, 50/60Hz, 0.5A
	Rated Output	5.0V⎓ 2A
Ancillary Equipment 3	USB Cable	
	Length (Approx.)	1.25 m

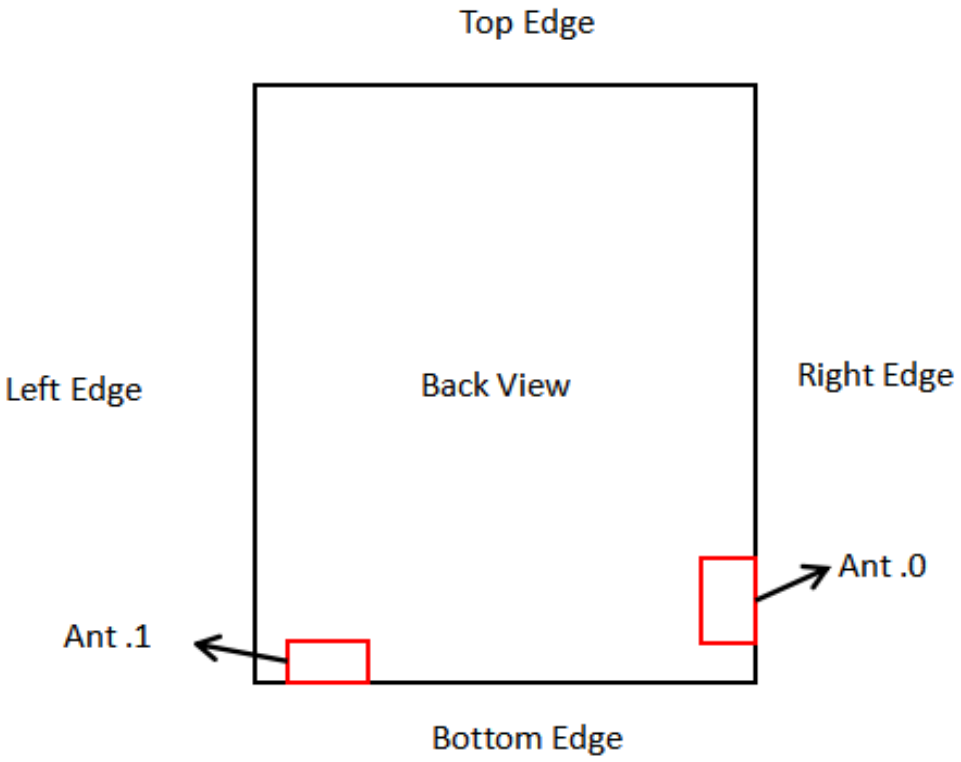
2.5 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA/DC-HSDPA Band 2/4/5 4G Network FDD LTE Band 2/4/5/12/13/66/71 Bluetooth (BR+EDR+BLE) WIFI 802.11b, 802.11g and 802.11n

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

Operating Mode	WWAN, WLAN; Bluetooth		
Frequency Range	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: 2110~2115 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 12	TX: 699-716 MHz	RX: 729~746 MHz
	LTE Band 13	TX: 777-787 MHz	RX: 746~756 MHz
	LTE Band 66	TX: 1710~1780 MHz	RX: 2110~2200 MHz
	LTE Band 71	TX: 663~698 MHz	RX: 617~652 MHz
	802.11b/g/n(HT20)	2412 MHz ~ 2462 MHz	
	Bluetooth	2402 MHz ~ 2480 MHz	
Antenna Type	WWAN	FPC Antenna	
	WLAN	FPC Antenna	
	Bluetooth	FPC Antenna	
Exposure Category	General Population/Uncontrolled exposure		
EUT Type	Portable Device		

2.6 Antenna Information



Antenna	Support Bands
Ant.0	WCDMA B2/4/5 LTE B2/4/5/12/13/14/66/71
Ant.1	WIFI 2.4G/; BT

3 SUMMARY OF TEST RESULT

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 2.1093	Radiofrequency radiation exposure evaluation: portable devices
2	ANSI/IEEE C95.1-1992	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 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	KDB 248227 D01 v02r02	SAR Guidance for IEEE 802.11 (Wi-Fi) Transmitters
8	KDB 616217 D04v01r02	SAR for laptop and tablets

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:

Body Position	SAR Value (W/Kg)	
	General Population/ Uncontrolled Exposure	Occupational/ ControlledExposure
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

3.3.1 Highest SAR

Equipment Class	Band	Maximum Scaled SAR (W/kg)	Maximum Report SAR (W/kg)
		Body 1g	Body 1g
		(0mm)	(0mm)
PCB	WCDMA Band 2	0.42	0.98
	WCDMA Band 4	**0.98**	
	WCDMA Band 5	0.47	
	LTE Band 2	0.71	
	LTE Band 4	0.68	
	LTE Band 5	0.57	
	LTE Band 12	0.60	
	LTE Band 13	0.39	
	LTE Band 14	0.63	
	LTE Band 66	0.50	
	LTE Band 71	0.28	
DTS	2.4G WIFI	0.61	
DSS	Bluetooth	0.20	
Limit (W/kg)		1.60	1.60
Verdict		PASS	

3.3.2 Highest Simultaneous Transmission SAR

Equipment Class	Maximum Scaled SAR
	(W/kg)
	Body 1g (0mm)
PCB	**1.32**
DTS	**1.32**
DSS	1.09
Limit (W/Kg)	1.60
Verdict	Pass

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 0.98 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.

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:

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

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

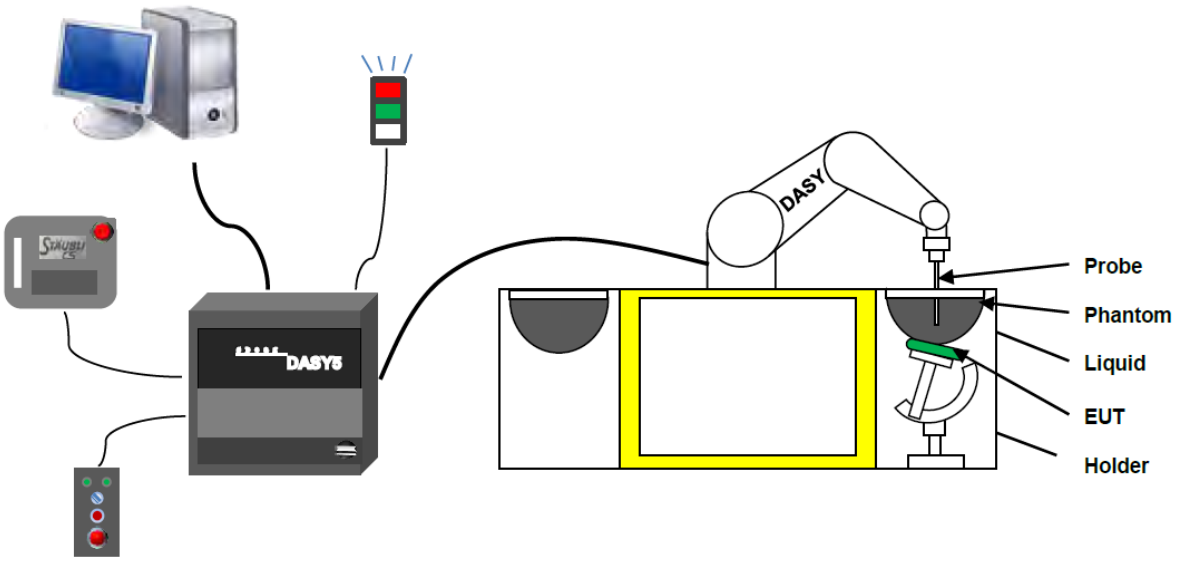
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{\mathbf{2}}}{\boldsymbol{\rho}}$$

Where: σ is the conductivity of the tissue,

ρis the mass density of the tissue and E is the RMS electrical field strength.

4.2 DASY SAR System

4.2.1 DASY SAR System Diagram



The DASY5 system for performing compliance tests consists of the following items:

1. A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
2. A dosimetric probe, i.e. an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.
3. A data acquisition electronic (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
4. A unit to operate the optical surface detector which is connected to the EOC.
5. The Electro-Optical Coupler (EOC) performs the conversion from the optical into a digital electric signal of the DAE. The EOC is connected to the DASY5 measurement server.
6. The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation.
7. DASY5 software and SEMCAD data evaluation software.
8. Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.
9. The generic twin phantom enabling the testing of left-hand and right-hand usage.
10. The device holder for handheld mobile phones.
11. Tissue simulating liquid mixed according to the given recipes.
12. System validation dipoles allowing to validate the proper functioning of the system.

4.2.2 Robot

The Dasy SAR system uses the high precision robots. Symmetrical design with triangular core Built-in optical fiber for surface detection system For the 6-axis controller system, Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents). The robot series have many features that are important for our application:

- High precision
  (repeatability ±0.02 mm)
- High reliability
  (industrial design)
- Low maintenance costs
  (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements
  (brush less synchron motors; no stepper motors)
- Low ELF interference
  (motor control _elds shielded via the closed metallic construction shields)

4.2.3 E-Field Probe

The probe is specially designed and calibrated for use in liquids with high permittivities for the measurements the Specific Dosimetric E-Field Probe EX3DV4 with following specifications is used.

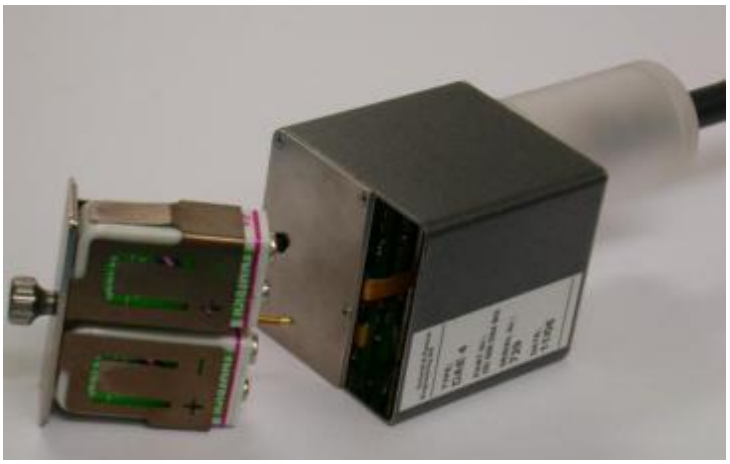
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.2 dB in HSL (rotation around probe axis) ; ± 0.4 dB in HSL (rotation normal to probe axis)
Dynamic range	5 μW/g to > 100 mW/g; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 10 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 3 GHz Compliance tests of mobile phones Fast automatic scanning in arbitrary phantoms (EX3DV4)

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 EN 62209-1/2 annexe technique using reference guide at the five frequencies.

4.2.4 Data Acquisition Electronics

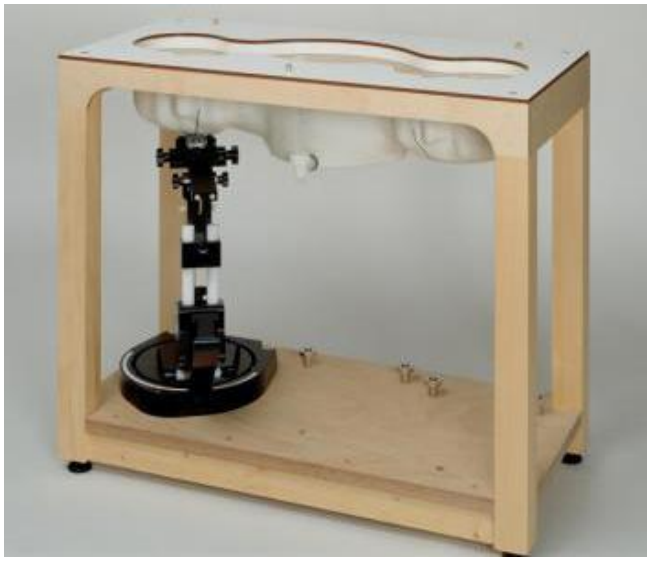
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.



- Input Impedance: 200MOhm
- The Inputs: Symmetrical and Floating
- Commom Mode Rejection: Above 80dB

4.2.5 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.



- Left hand
- Right hand
- Flat phantom

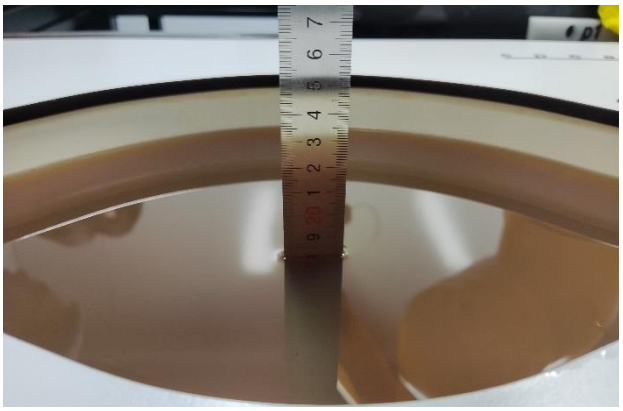
4.2.6 Device Holder

The DASY5 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections. This device holder is used for standard mobile phones or PDA"s only. If necessary an additional support of polystyrene material is used. Larger DUT"s (e.g. notebooks) cannot be tested using this device holder. Instead a support of bigger polystyrene cubes and thin polystyrene plates is used to position the DUT in all relevant positions to find and measure spots with maximum SAR values. Therefore those devices are normally only tested at the flat part of the SAM.

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

4.2.7 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.

TSL	Manufacturer / Model	Freq Range (MHz)	Main Ingredients
Head WideBand	SPEAG HBBL600-10000V6	600-10000	Ethanediol, Sodium petroleum sulfonate, Hexylene Glycol / 2-Methyl-pentane-2.4-diol, Alkoxylated alcohol

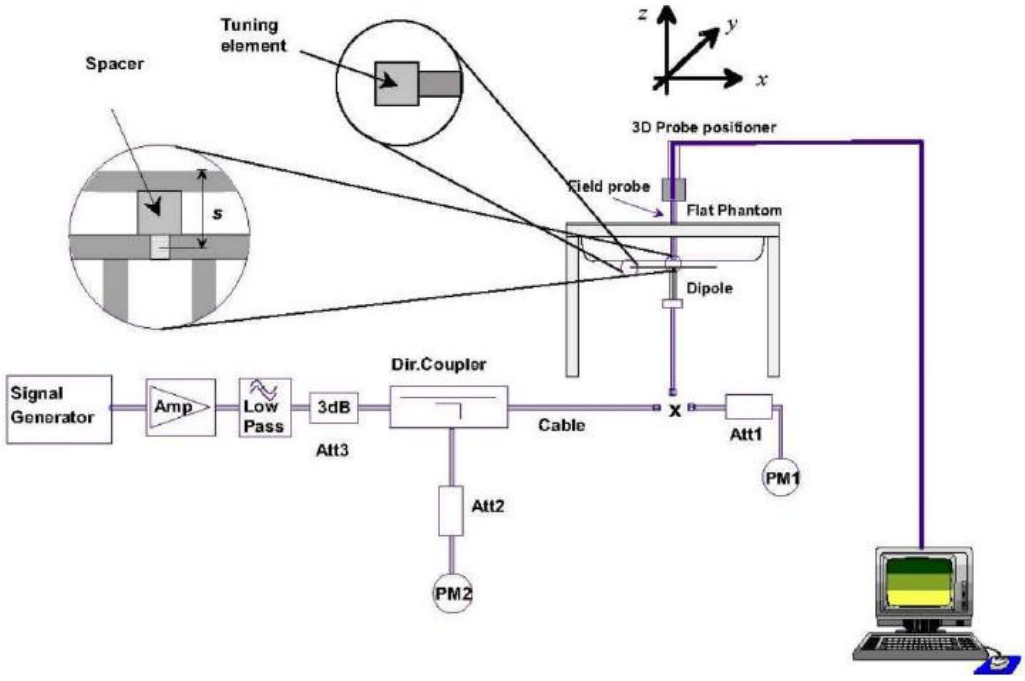
5 SYSTEM VERIFICATION

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. 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.

5.2 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 TEST POSITION CONFIGURATIONS

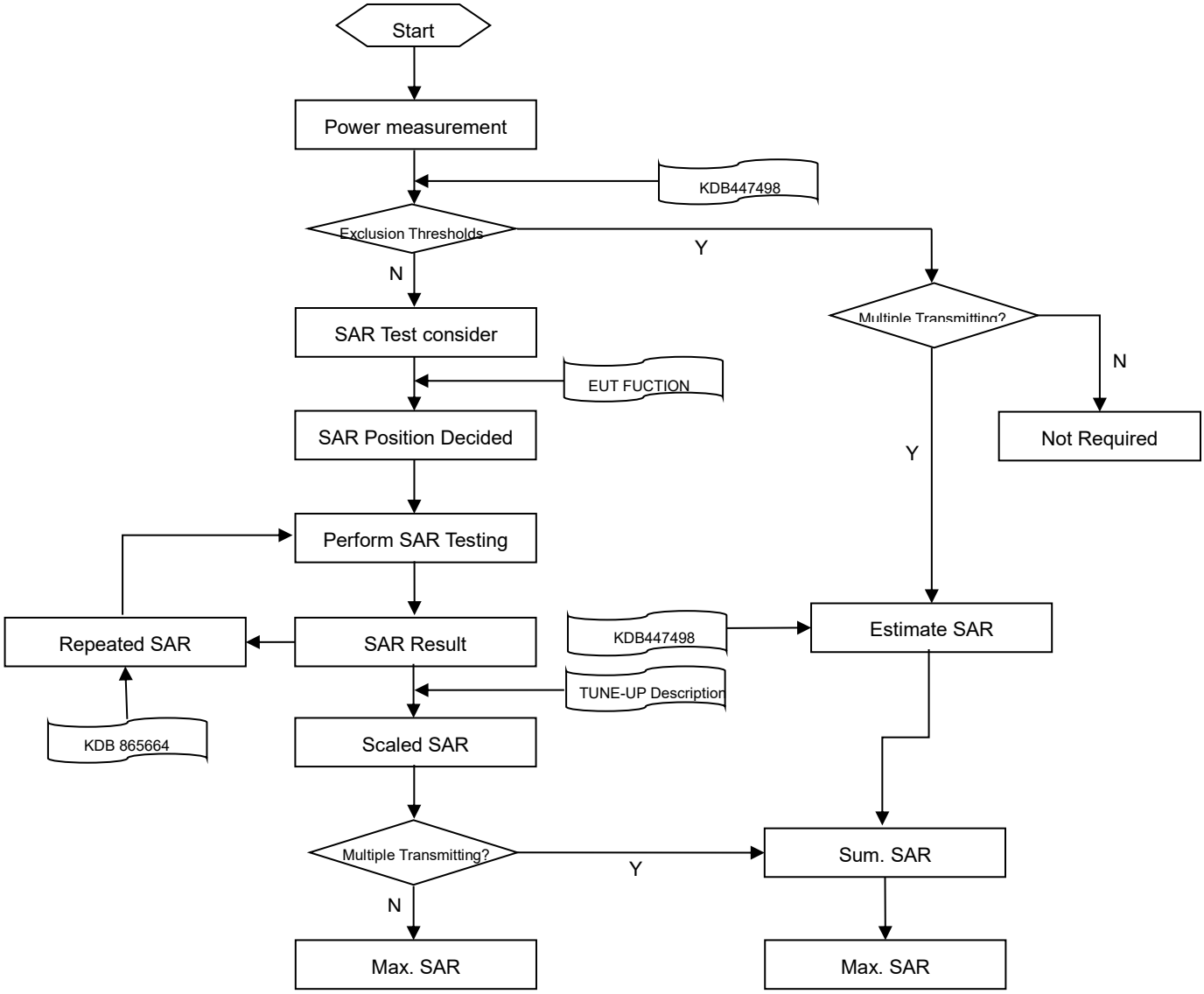
6.1 Body-worn Position Conditions

Devices that support transmission while used with body-worn accessories must be tested for SAR compliance related to each body-worn condition of use. SAR evaluation is required for body-worn accessories supplied with the device they are attached to.

The general informing principle is that the selected test configurations must conservatively capture the various body-worn accessory use conditions expected by users. For instance, devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn accessories, must be tested for SAR compliance using a conservative minimum test separation distance not to exceed 5 mm for all use conditions required by the device.

7 MEASUREMENT PROCEDURE

7.1 Measurement Process Diagram



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. Boththe 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.

<table>
<tr><th colspan="3"></th><th>≤3GHz</th><th>>3GHz</th></tr>
<tr><td colspan="3">Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface</td><td>5±1 mm</td><td>½·δ·ln(2)±0.5 mm</td></tr>
<tr><td colspan="3">Maximum probe angle from probe axis to phantom surface normal at the measurement location</td><td>30°±1°</td><td>20°±1°</td></tr>
<tr><td colspan="3" rowspan="2">Maximum area scan spatial resolution: Δx Area , Δy Area</td><td>≤ 2 GHz: ≤ 15 mm
2 – 3 GHz: ≤ 12 mm</td><td>3–4 GHz: ≤ 12 mm
4 – 6 GHz: ≤ 10 mm</td></tr>
<tr><td colspan="2">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.</td></tr>
<tr><td colspan="3">Maximum zoom scan spatial resolution: Δx Zoom , Δy Zoom</td><td>≤ 2 GHz: ≤ 8 mm
2 –3 GHz: ≤ 5 mm*</td><td>3–4 GHz: ≤ 5 mm*
4 – 6 GHz: ≤ 4 mm*</td></tr>
<tr><td rowspan="7">Maximum zoom scan spatial resolution, normal to phantom surface</td><td colspan="2" rowspan="3">uniform grid: Δz Zoom (n)</td><td rowspan="3">≤ 5 mm</td><td>3–4 GHz: ≤ 4 mm</td></tr>
<tr><td>4–5 GHz: ≤ 3 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td rowspan="4">graded grid</td><td rowspan="2">Δz Zoom (1): between 1st two points closest to phantom surface</td><td rowspan="2">≤ 4 mm</td><td>3–4 GHz: ≤ 3 mm</td></tr>
<tr><td>4–5 GHz: ≤ 2.5 mm</td></tr>
<tr><td>5–6 GHz: ≤ 2 mm</td></tr>
<tr><td>Δz Zoom (n>1): between subsequent points</td><td colspan="2">≤ 1.5·Δz Zoom (n-1)</td></tr>
<tr><td rowspan="3">Minimum zoom scan volume</td><td colspan="2" rowspan="3">x, y, z</td><td rowspan="3">≥30 mm</td><td>3–4 GHz: ≥ 28 mm</td></tr>
<tr><td>4–5 GHz: ≥ 25 mm</td></tr>
<tr><td>5–6 GHz: ≥ 22 mm</td></tr>
<tr><td colspan="5">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.</td></tr>
</table>

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 to16 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. Area scan and zoom scan resolution setting follows KDB 865664 D01v01r04 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 OUTPUT POWER

8.1 WCDMA

Please refer the document “BL-SZ2560456-AP.pdf”.

8.2 LTE

Please refer the document “BL-SZ2560456-AP.pdf”.

8.3 WIFI

Please refer the document “BL-SZ2560456-AP.pdf”.

8.4 Bluetooth

Please refer the document “BL-SZ2560456-AP.pdf”.

9 TEST RESULT

9.1 WCDMA

9.1.1 Band 2

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body													
WCDMAB2	Ant.0	RMC	Front Side	0	9538	1907.6	-0.04	0.053	17.00	17.50	1.122	0.059	/
WCDMAB2	Ant.0	RMC	Back Side	0	9538	1907.6	-0.09	0.096	17.00	17.50	1.122	0.108	/
WCDMAB2	Ant.0	RMC	Left Edge	0	9538	1907.6	0.16	0.003	17.00	17.50	1.122	0.003	/
WCDMAB2	Ant.0	RMC	Right Edge	0	9538	1907.6	-0.03	0.375	17.00	17.50	1.122	**0.421**	1#
WCDMAB2	Ant.0	RMC	Top Edge	0	9538	1907.6	0.06	0.030	17.00	17.50	1.122	0.034	/
WCDMAB2	Ant.0	RMC	Bottom Edge	0	9538	1907.6	0.06	0.132	17.00	17.50	1.122	0.148	/

9.1.2 Band 4

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body													
WCDMAB4	Ant.0	RMC	Front Side	0	1312	1712.4	0.03	0.062	17.80	19.00	1.318	0.082	/
WCDMAB4	Ant.0	RMC	Back Side	0	1312	1712.4	-0.17	0.208	17.80	19.00	1.318	0.274	/
WCDMAB4	Ant.0	RMC	Left Edge	0	1312	1712.4	0.10	0.006	17.80	19.00	1.318	0.008	/
WCDMAB4	Ant.0	RMC	Right Edge	0	1312	1712.4	0.14	0.487	17.80	19.00	1.318	0.642	/
WCDMAB4	Ant.0	RMC	Top Edge	0	1312	1712.4	0.13	0.002	17.80	19.00	1.318	0.003	/
WCDMAB4	Ant.0	RMC	Bottom Edge	0	1312	1712.4	-0.11	0.322	17.80	19.00	1.318	0.424	/
WCDMAB4	Ant.0	RMC	Right Edge	0	1412	1732.4	0.00	0.639	17.15	19.00	1.531	**0.978**	2#
WCDMAB4	Ant.0	RMC	Right Edge	0	1513	1752.6	-0.12	0.487	18.56	19.00	1.107	0.539	/

9.1.3 Band 5

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body													
WCDMAB5	Ant.0	RMC	Front Side	0	4233	846.6	0.04	0.038	10.45	12.00	1.429	0.054	/
WCDMAB5	Ant.0	RMC	Back Side	0	4233	846.6	-0.09	0.053	10.45	12.00	1.429	0.076	/
WCDMAB5	Ant.0	RMC	Left Edge	0	4233	846.6	0.19	0.015	10.45	12.00	1.429	0.021	/
WCDMAB5	Ant.0	RMC	Right Edge	0	4233	846.6	0.10	0.157	10.45	12.00	1.429	0.224	/
WCDMAB5	Ant.0	RMC	Top Edge	0	4233	846.6	-0.07	0.003	10.45	12.00	1.429	0.004	/
WCDMAB5	Ant.0	RMC	Bottom Edge	0	4233	846.6	-0.17	0.462	11.97	12.00	1.007	**0.465**	3#

9.2 LTE FDD

9.2.1 LTEB2

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB2	Ant.0	QPSK	Front Side	0	18900	1880	20	1	MID	-0.17	0.154	16.78	17.00	1.052	0.162	/
LTEB2	Ant.0	QPSK	Back Side	0	18900	1880	20	1	MID	-0.18	0.281	16.78	17.00	1.052	0.296	/
LTEB2	Ant.0	QPSK	Left Edge	0	18900	1880	20	1	MID	-0.15	0.051	16.78	17.00	1.052	0.054	/
LTEB2	Ant.0	QPSK	Right Edge	0	18900	1880	20	1	MID	0.03	0.676	16.78	17.00	1.052	**0.711**	4#
LTEB2	Ant.0	QPSK	Top Edge	0	18900	1880	20	1	MID	0.16	0.077	16.78	17.00	1.052	0.081	/
LTEB2	Ant.0	QPSK	Bottom Edge	0	18900	1880	20	1	MID	-0.12	0.442	16.78	17.00	1.052	0.465	/
LTEB2	Ant.0	QPSK	Front Side	0	18900	1880	20	50	MID	-0.03	0.119	15.68	16.00	1.076	0.128	/
LTEB2	Ant.0	QPSK	Back Side	0	18900	1880	20	50	MID	0.06	0.233	15.68	16.00	1.076	0.251	/
LTEB2	Ant.0	QPSK	Left Edge	0	18900	1880	20	50	MID	-0.18	0.039	15.68	16.00	1.076	0.042	/
LTEB2	Ant.0	QPSK	Right Edge	0	18900	1880	20	50	MID	-0.06	0.446	15.68	16.00	1.076	0.480	/
LTEB2	Ant.0	QPSK	Top Edge	0	18900	1880	20	50	MID	0.07	0.069	15.68	16.00	1.076	0.074	/
LTEB2	Ant.0	QPSK	Bottom Edge	0	18900	1880	20	50	MID	0.18	0.312	15.68	16.00	1.076	0.336	/

9.2.2 LTEB4

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB4	Ant.0	QPSK	Front Side	0	20300	1745	20	1	MID	-0.04	0.057	17.59	18.00	1.099	0.063	/
LTEB4	Ant.0	QPSK	Back Side	0	20300	1745	20	1	MID	-0.13	0.173	17.59	18.00	1.099	0.190	/
LTEB4	Ant.0	QPSK	Left Edge	0	20300	1745	20	1	MID	0.06	0.012	17.59	18.00	1.099	0.013	/
LTEB4	Ant.0	QPSK	Right Edge	0	20300	1745	20	1	MID	-0.02	0.615	17.59	18.00	1.099	**0.676**	5#
LTEB4	Ant.0	QPSK	Top Edge	0	20300	1745	20	1	MID	0.12	0.032	17.59	18.00	1.099	0.035	/
LTEB4	Ant.0	QPSK	Bottom Edge	0	20300	1745	20	1	MID	-0.03	0.299	17.59	18.00	1.099	0.329	/
LTEB4	Ant.0	QPSK	Front Side	0	20300	1745	20	50	HIGH	0.01	0.055	16.37	17.00	1.156	0.064	/
LTEB4	Ant.0	QPSK	Back Side	0	20300	1745	20	50	HIGH	0.07	0.155	16.37	17.00	1.156	0.179	/
LTEB4	Ant.0	QPSK	Left Edge	0	20300	1745	20	50	HIGH	-0.02	0.013	16.37	17.00	1.156	0.015	/
LTEB4	Ant.0	QPSK	Right Edge	0	20300	1745	20	50	HIGH	-0.12	0.446	16.37	17.00	1.156	0.516	/
LTEB4	Ant.0	QPSK	Top Edge	0	20300	1745	20	50	HIGH	-0.18	0.060	16.37	17.00	1.156	0.069	/
LTEB4	Ant.0	QPSK	Bottom Edge	0	20300	1745	20	50	HIGH	-0.14	0.237	16.37	17.00	1.156	0.274	/

9.2.3 LTEB5

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB5	Ant.0	QPSK	Front Side	0	20525	836.5	10	1	MID	-0.19	0.079	16.90	17.00	1.023	0.081	/
LTEB5	Ant.0	QPSK	Back Side	0	20525	836.5	10	1	MID	0.12	0.116	16.90	17.00	1.023	0.119	/
LTEB5	Ant.0	QPSK	Left Edge	0	20525	836.5	10	1	MID	-0.15	0.011	16.90	17.00	1.023	0.011	/
LTEB5	Ant.0	QPSK	Right Edge	0	20525	836.5	10	1	MID	0.12	0.453	16.90	17.00	1.023	0.463	/
LTEB5	Ant.0	QPSK	Top Edge	0	20525	836.5	10	1	MID	0.03	0.012	16.90	17.00	1.023	0.012	/
LTEB5	Ant.0	QPSK	Bottom Edge	0	20525	836.5	10	1	MID	-0.04	0.554	16.90	17.00	1.023	**0.567**	6#
LTEB5	Ant.0	QPSK	Front Side	0	20525	836.5	10	25	LOW	-0.12	0.068	15.76	16.00	1.057	0.072	/
LTEB5	Ant.0	QPSK	Back Side	0	20525	836.5	10	25	LOW	-0.11	0.096	15.76	16.00	1.057	0.101	/
LTEB5	Ant.0	QPSK	Left Edge	0	20525	836.5	10	25	LOW	0.10	0.005	15.76	16.00	1.057	0.005	/
LTEB5	Ant.0	QPSK	Right Edge	0	20525	836.5	10	25	LOW	-0.14	0.459	15.76	16.00	1.057	0.485	/
LTEB5	Ant.0	QPSK	Top Edge	0	20525	836.5	10	25	LOW	0.16	0.002	15.76	16.00	1.057	0.002	/
LTEB5	Ant.0	QPSK	Bottom Edge	0	20525	836.5	10	25	LOW	0.06	0.502	15.76	16.00	1.057	0.531	/

9.2.4 LTEB12

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB12	Ant.0	QPSK	Front Side	0	23095	707.5	10	1	MID	-0.12	0.015	18.34	19.00	1.164	0.017	/
LTEB12	Ant.0	QPSK	Back Side	0	23095	707.5	10	1	MID	-0.15	0.020	18.34	19.00	1.164	0.023	/
LTEB12	Ant.0	QPSK	Left Edge	0	23095	707.5	10	1	MID	-0.09	0.008	18.34	19.00	1.164	0.009	/
LTEB12	Ant.0	QPSK	Right Edge	0	23095	707.5	10	1	MID	-0.18	0.169	18.34	19.00	1.164	0.197	/
LTEB12	Ant.0	QPSK	Top Edge	0	23095	707.5	10	1	MID	-0.13	0.005	18.34	19.00	1.164	0.006	/
LTEB12	Ant.0	QPSK	Bottom Edge	0	23095	707.5	10	1	MID	-0.06	0.512	18.34	19.00	1.164	**0.596**	7#
LTEB12	Ant.0	QPSK	Front Side	0	23095	707.5	10	25	MID	0.17	0.006	17.23	18.00	1.194	0.007	/
LTEB12	Ant.0	QPSK	Back Side	0	23095	707.5	10	25	MID	-0.02	0.010	17.23	18.00	1.194	0.012	/
LTEB12	Ant.0	QPSK	Left Edge	0	23095	707.5	10	25	MID	0.11	0.001	17.23	18.00	1.194	0.001	/
LTEB12	Ant.0	QPSK	Right Edge	0	23095	707.5	10	25	MID	0.11	0.080	17.23	18.00	1.194	0.096	/
LTEB12	Ant.0	QPSK	Top Edge	0	23095	707.5	10	25	MID	-0.13	0.002	17.23	18.00	1.194	0.002	/
LTEB12	Ant.0	QPSK	Bottom Edge	0	23095	707.5	10	25	MID	-0.16	0.406	17.23	18.00	1.194	0.485	/

9.2.5 LTEB13

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB13	Ant.0	QPSK	Front Side	0	23230	782	10	1	LOW	0.19	0.011	14.41	15.00	1.146	0.013	/
LTEB13	Ant.0	QPSK	Back Side	0	23230	782	10	1	LOW	0.15	0.015	14.41	15.00	1.146	0.017	/
LTEB13	Ant.0	QPSK	Left Edge	0	23230	782	10	1	LOW	0.07	0.005	14.41	15.00	1.146	0.006	/
LTEB13	Ant.0	QPSK	Right Edge	0	23230	782	10	1	LOW	0.16	0.118	14.41	15.00	1.146	0.135	/
LTEB13	Ant.0	QPSK	Top Edge	0	23230	782	10	1	LOW	-0.01	0.004	14.41	15.00	1.146	0.005	/
LTEB13	Ant.0	QPSK	Bottom Edge	0	23230	782	10	1	LOW	0.01	0.339	14.41	15.00	1.146	**0.388**	8#
LTEB13	Ant.0	QPSK	Front Side	0	23230	782	10	25	LOW	0.13	0.008	13.50	14.00	1.122	0.009	/
LTEB13	Ant.0	QPSK	Back Side	0	23230	782	10	25	LOW	0.12	0.009	13.50	14.00	1.122	0.010	/
LTEB13	Ant.0	QPSK	Left Edge	0	23230	782	10	25	LOW	0.19	0.001	13.50	14.00	1.122	0.001	/
LTEB13	Ant.0	QPSK	Right Edge	0	23230	782	10	25	LOW	0.13	0.111	13.50	14.00	1.122	0.125	/
LTEB13	Ant.0	QPSK	Top Edge	0	23230	782	10	25	LOW	0.11	0.001	13.50	14.00	1.122	0.001	/
LTEB13	Ant.0	QPSK	Bottom Edge	0	23230	782	10	25	LOW	-0.07	0.312	13.50	14.00	1.122	0.350	/

9.2.6 LTEB14

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB14	Ant.0	QPSK	Front Side	0	23330	793	10	1	LOW	0.05	0.030	16.77	17.00	1.054	0.032	/
LTEB14	Ant.0	QPSK	Back Side	0	23330	793	10	1	LOW	0.10	0.045	16.77	17.00	1.054	0.047	/
LTEB14	Ant.0	QPSK	Left Edge	0	23330	793	10	1	LOW	-0.19	0.005	16.77	17.00	1.054	0.005	/
LTEB14	Ant.0	QPSK	Right Edge	0	23330	793	10	1	LOW	-0.02	0.194	16.77	17.00	1.054	0.204	/
LTEB14	Ant.0	QPSK	Top Edge	0	23330	793	10	1	LOW	-0.10	0.006	16.77	17.00	1.054	0.006	/
LTEB14	Ant.0	QPSK	Bottom Edge	0	23330	793	10	1	LOW	0.09	0.600	16.77	17.00	1.054	**0.632**	9#
LTEB14	Ant.0	QPSK	Front Side	0	23330	793	10	25	LOW	-0.19	0.021	15.63	16.00	1.089	0.023	/
LTEB14	Ant.0	QPSK	Back Side	0	23330	793	10	25	LOW	0.06	0.037	15.63	16.00	1.089	0.040	/
LTEB14	Ant.0	QPSK	Left Edge	0	23330	793	10	25	LOW	-0.05	0.001	15.63	16.00	1.089	0.001	/
LTEB14	Ant.0	QPSK	Right Edge	0	23330	793	10	25	LOW	-0.09	0.184	15.63	16.00	1.089	0.200	/
LTEB14	Ant.0	QPSK	Top Edge	0	23330	793	10	25	LOW	-0.17	0.003	15.63	16.00	1.089	0.003	/
LTEB14	Ant.0	QPSK	Bottom Edge	0	23330	793	10	25	LOW	0.03	0.453	15.63	16.00	1.089	0.493	/

9.2.7 LTEB66

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB66	Ant.0	QPSK	Front Side	0	132322	1745	20	1	MID	-0.19	0.060	15.88	16.50	1.153	0.069	/
LTEB66	Ant.0	QPSK	Back Side	0	132322	1745	20	1	MID	0.09	0.144	15.88	16.50	1.153	0.166	/
LTEB66	Ant.0	QPSK	Left Edge	0	132322	1745	20	1	MID	-0.13	0.016	15.88	16.50	1.153	0.018	/
LTEB66	Ant.0	QPSK	Right Edge	0	132322	1745	20	1	MID	-0.07	0.431	15.88	16.50	1.153	**0.497**	10#
LTEB66	Ant.0	QPSK	Top Edge	0	132322	1745	20	1	MID	-0.14	0.014	15.88	16.50	1.153	0.016	/
LTEB66	Ant.0	QPSK	Bottom Edge	0	132322	1745	20	1	MID	0.04	0.205	15.88	16.50	1.153	0.236	/
LTEB66	Ant.0	QPSK	Front Side	0	132322	1745	20	50	HIGH	-0.03	0.048	15.31	15.50	1.045	0.050	/
LTEB66	Ant.0	QPSK	Back Side	0	132322	1745	20	50	HIGH	-0.11	0.129	15.31	15.50	1.045	0.135	/
LTEB66	Ant.0	QPSK	Left Edge	0	132322	1745	20	50	HIGH	0.04	0.005	15.31	15.50	1.045	0.005	/
LTEB66	Ant.0	QPSK	Right Edge	0	132322	1745	20	50	HIGH	0.10	0.394	15.31	15.50	1.045	0.412	/
LTEB66	Ant.0	QPSK	Top Edge	0	132322	1745	20	50	HIGH	0.09	0.003	15.31	15.50	1.045	0.003	/
LTEB66	Ant.0	QPSK	Bottom Edge	0	132322	1745	20	50	HIGH	0.19	0.157	15.31	15.50	1.045	0.164	/

9.2.8 LTEB71

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Bandwidth	RB Num.	RB Start	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body																
LTEB71	Ant.0	QPSK	Front Side	0	133372	688	20	1	MID	0.06	0.014	18.32	18.50	1.042	0.015	/
LTEB71	Ant.0	QPSK	Back Side	0	133372	688	20	1	MID	0.16	0.018	18.32	18.50	1.042	0.019	/
LTEB71	Ant.0	QPSK	Left Edge	0	133372	688	20	1	MID	-0.02	0.009	18.32	18.50	1.042	0.009	/
LTEB71	Ant.0	QPSK	Right Edge	0	133372	688	20	1	MID	-0.12	0.049	18.32	18.50	1.042	0.051	/
LTEB71	Ant.0	QPSK	Top Edge	0	133372	688	20	1	MID	-0.01	0.006	18.32	18.50	1.042	0.006	/
LTEB71	Ant.0	QPSK	Bottom Edge	0	133372	688	20	1	MID	0.04	0.265	18.32	18.50	1.042	**0.276**	11#
LTEB71	Ant.0	QPSK	Front Side	0	133372	688	20	50	MID	-0.06	0.009	16.90	17.50	1.148	0.010	/
LTEB71	Ant.0	QPSK	Back Side	0	133372	688	20	50	MID	-0.11	0.007	16.90	17.50	1.148	0.008	/
LTEB71	Ant.0	QPSK	Left Edge	0	133372	688	20	50	MID	-0.19	0.001	16.90	17.50	1.148	0.001	/
LTEB71	Ant.0	QPSK	Right Edge	0	133372	688	20	50	MID	0.12	0.041	16.90	17.50	1.148	0.047	/
LTEB71	Ant.0	QPSK	Top Edge	0	133372	688	20	50	MID	-0.19	0.002	16.90	17.50	1.148	0.002	/
LTEB71	Ant.0	QPSK	Bottom Edge	0	133372	688	20	50	MID	-0.17	0.235	16.90	17.50	1.148	0.270	/

9.3 WIFI 2.4GHz

9.3.1 WIFI 2.4GHz Body SAR

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
2.4G WIFI	ANT.1	802.1.1b	Front Side	0	11	2462	0.03	0.172	12.08	12.50	1.102	99.27	1.007	0.191	/
2.4G WIFI	ANT.1	802.1.1b	Back Side	0	11	2462	0.07	0.169	12.08	12.50	1.102	99.27	1.007	0.188	/
2.4G WIFI	ANT.1	802.1.1b	Left Edge	0	11	2462	0.11	0.012	12.08	12.50	1.102	99.27	1.007	0.013	/
2.4G WIFI	ANT.1	802.1.1b	Right Edge	0	11	2462	-0.06	0.311	12.08	12.50	1.102	99.27	1.007	0.345	/
2.4G WIFI	ANT.1	802.1.1b	Top Edge	0	11	2462	0.13	0.009	12.08	12.50	1.102	99.27	1.007	0.010	/
2.4G WIFI	ANT.1	802.1.1b	Bottom Edge	0	11	2462	-0.05	0.551	12.08	12.50	1.102	99.27	1.007	**0.611**	12#

9.4 Bluetooth

9.4.1 Bluetooth Body SAR

Band	Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift(dB)	1 g Meas SAR(W/kg)	Meas. Power (dBm)	Max. tune-up power(dBm)	Scaling Factor	Duty Cycle(%)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body															
Bluetooth	ANT.1	DH5	Front Side	0	39	2441	0.04	0.043	7.27	8.00	1.183	76.61	1.305	0.066	/
Bluetooth	ANT.1	DH5	Back Side	0	39	2441	0.03	0.042	7.27	8.00	1.183	76.61	1.305	0.065	/
Bluetooth	ANT.1	DH5	Left Edge	0	39	2441	0.01	0.006	7.27	8.00	1.183	76.61	1.305	0.009	/
Bluetooth	ANT.1	DH5	Right Edge	0	39	2441	-0.05	0.072	7.27	8.00	1.183	76.61	1.305	0.111	/
Bluetooth	ANT.1	DH5	Top Edge	0	39	2441	0.06	0.005	7.27	8.00	1.183	76.61	1.305	0.008	/
Bluetooth	ANT.1	DH5	Bottom Edge	0	39	2441	-0.01	0.132	7.27	8.00	1.183	76.61	1.305	**0.204**	13#

10 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 product 1g SAR, the highest measured 10g SAR is 0.676< 0.8 W/kg, repeated Measurement is not required.

11 SIMULTANEOUS TRANSMISSION

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

According KDB 447498 D04, simultaneous transmission:

a) SPLSR = (SAR1 + SAR2)^1.5 / R_i (min. separation distance, mm), and the peak separation distance is determined from the square root of [$(x1-x2)^2$ + $(y1-y2)^2$ + $(z1-z2)^2$], where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
SAR1 is the highest reported or estimated SAR for the first of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition.
SAR2 is the highest reported or estimated SAR for the second of a pair of simultaneous transmitting antennas, in a specific test operating mode and exposure condition as the first.

b) If SPLSR ≤ 0.04, simultaneously transmission SAR measurement is not necessary.

c) Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.

11.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Body
1	WWAN+WIFI2.4G	Yes
2	WWAN+BT	Yes

Note:
1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. When stand-alone SAR is not required for a side of antenna, its SAR is considered zero in the SAR summing process to assess Multi-band transmission SAR compliance.
3. The maximum SAR summation is calculated based on the same configuration and test position.

11.2 Sum SAR of Simultaneous Transmission

Please refer the document “BL-SZ2560456-AST.pdf”.

12 TEST EQUIPMENTS LIST

Description	Manufacturer	Model	Serial No./Version	Cal. Date	Cal. Due
PC	Dell	N/A	N/A	N/A	N/A
Test Software	Speag	DASY5	52.8.8.1222	N/A	N/A
750MHz Validation Dipole	Speag	D750V3	SN: 1208	2024/08/19	2027/08/18
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	2024/05/08	2027/05/07
1750MHz Validation Dipole	Speag	D1750V2	SN: 1130	2024/05/08	2027/05/07
1950MHz Validation Dipole	Speag	D1950V3	SN: 1240	2024/08/22	2027/08/21
2450MHz Validation Dipole	Speag	D2450V2	SN: 952	2024/05/07	2027/05/06
Data Acquisition Electronics	Speag	DAE4	SN: 878	2025/03/05	2026/03/04
E-Field Probe	Speag	EX3DV4	SN: 7893	2024/09/05	2025/09/04
Signal Generator	Keysight	N5173B	MY62150163	2024/08/12	2025/08/11
Power Meter	R&S	NRVD-B2	835843/014	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z4	100381	2024/08/08	2025/08/07
Power Sensor	R&S	NRV-Z2	100211	2024/08/08	2025/08/07
Wireless Communication Test Set	R&S	CMW500	126646	2024/10/30	2025/10/29
Network Analyzer	Agilent	E5071C	MY46103472	2024/09/11	2025/09/10
Thermometer	Elitech	RC-4HC	EF7216002985	2024/10/31	2025/10/30
Thermometer	Elitech	RC-4HC	EF720B004811	2024/10/31	2025/10/30
Power Amplifier	Mini-Circuits	ZVA-183W-S+	932502132	N/A	N/A
Dielectric Probe Kit	Speag	DAK3.5	SN: 1312	N/A	N/A
Phantom	Speag	SAM	SN: 1858	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 a DAK3.5 Dielectric Probe Kit.

Head Liquid

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 (%)
2025.06.30	Head	750	21.3	0.91	41.89	0.89	41.94	2.25	-0.12
2025.07.01	Head	835	21.4	0.89	41.88	0.90	41.50	-1.11	0.92
2025.07.02	Head	1750	21.2	1.38	40.25	1.37	40.08	0.73	0.42
2025.07.03	Head	1950	21.1	1.42	39.21	1.40	40.00	1.43	-1.98
Note: The tolerance limit of Conductivity and Permittivity is± 5%.									

ANNEX B SYSTEM CHECK RESULT

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

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2025.06.30	Head	750	100	0.817	8.17	8.46	-3.43
2025.07.01	Head	835	100	0.925	9.25	9.74	-5.03
2025.07.02	Head	1750	100	3.670	36.70	37.00	-0.81
2025.07.03	Head	1950	100	4.060	40.60	41.70	-2.64
2025.07.04	Head	2450	100	5.250	52.50	52.60	-0.19
Note: The tolerance limit of System validation ±10%.							

Please refer the document “BL-SZ2560456-ASC.pdf”.

ANNEX C TEST DATA

Please refer the document “BL-SZ2560456-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2560456-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “BL-SZ2560456-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “BL-SZ2560456-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “BL-SZ2560456-AT.pdf”.

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--END OF REPORT--