TEST REPORT

Applicant:	TENG INTERNACIONAL TRADING LIMITED
Address:	4f 299 QRC NOS 287 299 QUEENS RD CENTRAL, HONG KONG
Equipment Type:	Pos Terminal
Model Name:	K9
Brand Name:	TENG INTERNACIONAL
FCC ID:	2BTGQ-K9
Test Standard:	FCC 47 CFR Part 2.1093 (refer to section 3.1)
Maximum SAR:	Body (1 g@5mm): 0.87 W/kg Limbs (10 g@0mm): 1.39 W/kg
Sample Arrival Date:	Apr. 10, 2026
Test Date:	Apr. 23, 2026 - Apr. 30, 2026
Date of Issue:	Jun. 30, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Guo Guangwei **Checked by:** Xu Rui **Approved by:** Liao Jianming (Technical Director)

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jun. 30, 2026	Initial Issue

TABLE OF CONTENTS

1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong
	☑ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong
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	TENG INTERNACIONAL TRADING LIMITED
Address	4f 299 QRC NOS 287 299 QUEENS RD CENTRAL, HONG KONG

2.2 Manufacturer Information

Manufacturer	TENG INTERNACIONAL TRADING LIMITED
Address	4f 299 QRC NOS 287 299 QUEENS RD CENTRAL, HONG KONG

2.3 General Description for Equipment under Test (EUT)

EUT Name	Pos Terminal
Model Name Under Test	K9
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	SP8273A
	Serial No.	N/A
	Capacity	3100 mAh
	Rated Voltage	7.74 V
	Limit Charge Voltage	8.9 V

2.5 Technical Information

Network and Wireless connectivity	2G Network GPRS/EDGE 850/1900 MHz 3G Network WCDMA/HSDPA/HSUPA Band 2/5 4G Network LTE FDD Band 5/7 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac NFC

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

Operating Mode	GSM, WCDMA, LTE, WIFI, Bluetooth, NFC		
Frequency Range	GSM 850	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	GSM 1900	TX: 1850 ~ 1910 MHz	RX: 1930 ~ 1990 MHz
	WCDMA Band 2	TX: 1850~1910 MHz	RX: 1930~1990 MHz
	WCDMA Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 5	TX: 824 ~ 849 MHz	RX: 869 ~ 894 MHz
	LTE Band 7	TX: 2500 ~ 2570 MHz	RX: 2620 ~ 2690 MHz
	802.11b/g	2400 ~ 2483.5 MHz	
	802.11n(HT20/HT40)	2400 ~ 2483.5 MHz	
	802.11a	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11n(HT20/HT40)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	802.11ac (VHT20/VHT40/VHT80)	5150 ~ 5350 MHz	
		5470 ~ 5725 MHz	
		5725 ~ 5850 MHz	
	Bluetooth	2400 ~ 2483.5 MHz	
	NFC	13.56 MHz	
Antenna Type	WWAN	PIFA Antenna	
	WIFI	PIFA Antenna	
	Bluetooth	PIFA Antenna	
	NFC	PIFA Antenna	
Exposure Category	General Population/Uncontrolled exposure		
EUT Type	Portable Device		

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 Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	KDB 447498 D04 v01	447498 D04 Interim General RF Exposure Guidance v01
4	KDB 941225 D01 v03r01	3G SAR MEAUREMENT PROCEDURES
5	KDB 941225 D05 v02r05	SAR Evaluation Considerations for LTE Devices
6	KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
7	KDB 865664 D02 v01r02	RF Exposure Reporting
8	KDB 248227 D01 v02r02	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:

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)	
		1g SAR	10g SAR	1g SAR	10g SAR
		Body (5mm)	Limbs (0mm)	Body (5mm)	Limbs (0mm)
PCB	GSM 850	**0.87**	1.28	**0.87**	**1.39**
	GSM 1900	0.61	1.29		
	WCDMA Band 2	**0.87**	**1.39**		
	WCDMA Band 5	0.84	0.86		
	LTE Band 5	0.58	0.86		
	LTE Band 7	**0.87**	1.14		
DTS	2.4G WIFI	0.53	0.91		
	5.3G WIFI	0.67	0.79		
	5.6G WIFI	0.59	0.24		
	5.8G WIFI	0.75	0.65		
DSS	Bluetooth	0.10	0.12		
Limit (W/kg)		1.60	4.00	1.60	4.00
Verdict		Pass			

3.3.2 Highest Simultaneous Transmission SAR

Equipment Class	Maximum Simultaneous Transmission SAR (W/kg)	
	1g SAR	10g SAR
	Body (5mm)	Limbs (0mm)
PCB	**1.46**	**1.88**
DTS	**1.46**	**1.88**
NII	**1.46**	**1.88**
DSS	1.02	1.43
Limit (W/kg)	1.60	4.00
Verdict	Pass	

Note: The simultaneous transmission SAR detail please refer to section 13.

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 0.87 W/kg, which is lower than 1.5 W/kg, so the extensive SAR measurement uncertainty analysis is not required in this report.
The maximum 10 g SAR for the EUT in this report is 1.39 W/kg, which is lower than 3.75 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

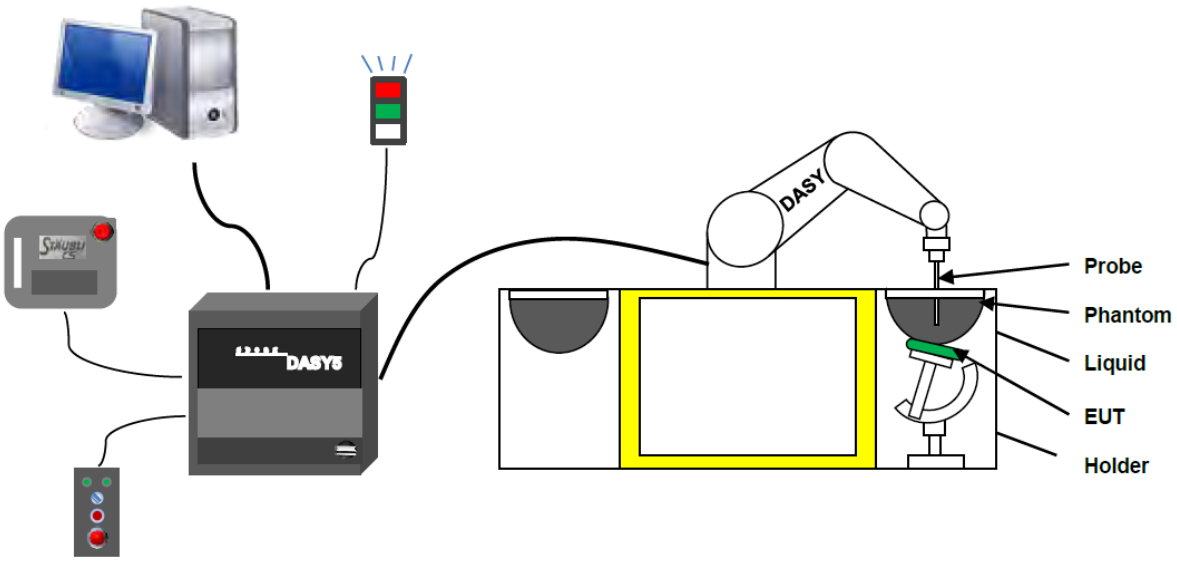
$$\mathbf{SAR} = \frac{\boldsymbol{\sigma}\mathbf{E}^{\mathbf{2}}}{\boldsymbol{\rho}}$$

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.

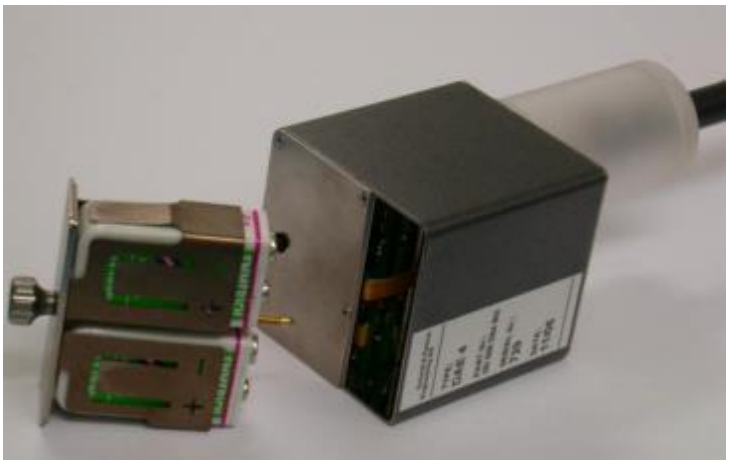
Construction	Symmetrical design with triangular core Built-in optical fiber for surface detection systemBuilt-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration	ISO/IEC 17025 calibration service available
Frequency	10 MHz to 6 GHz; 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

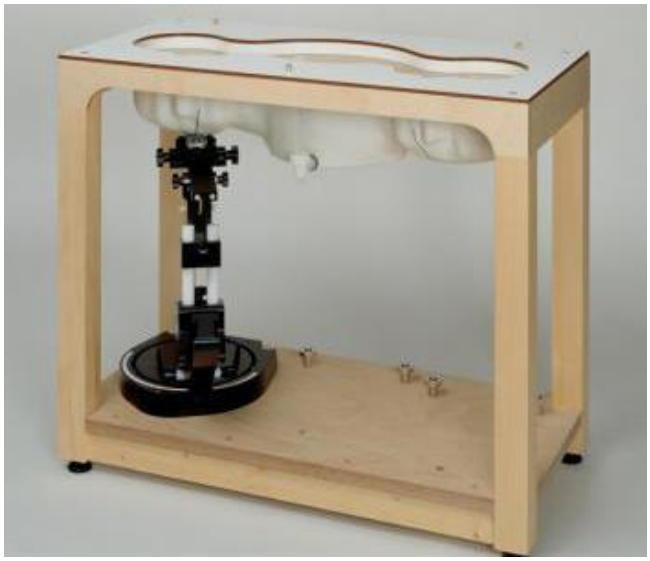
The data acquisition electronics (DAE) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converte and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an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

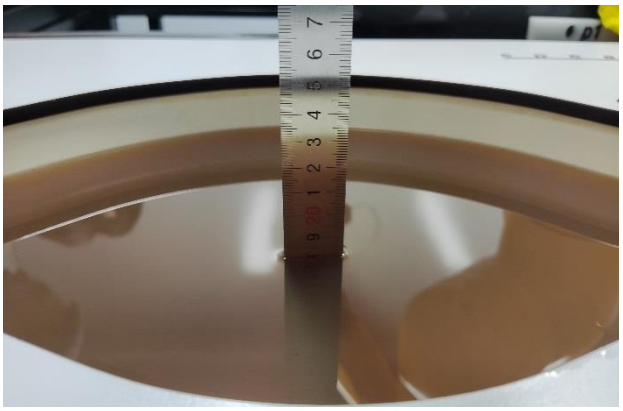
4.2.6 Device Holder

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

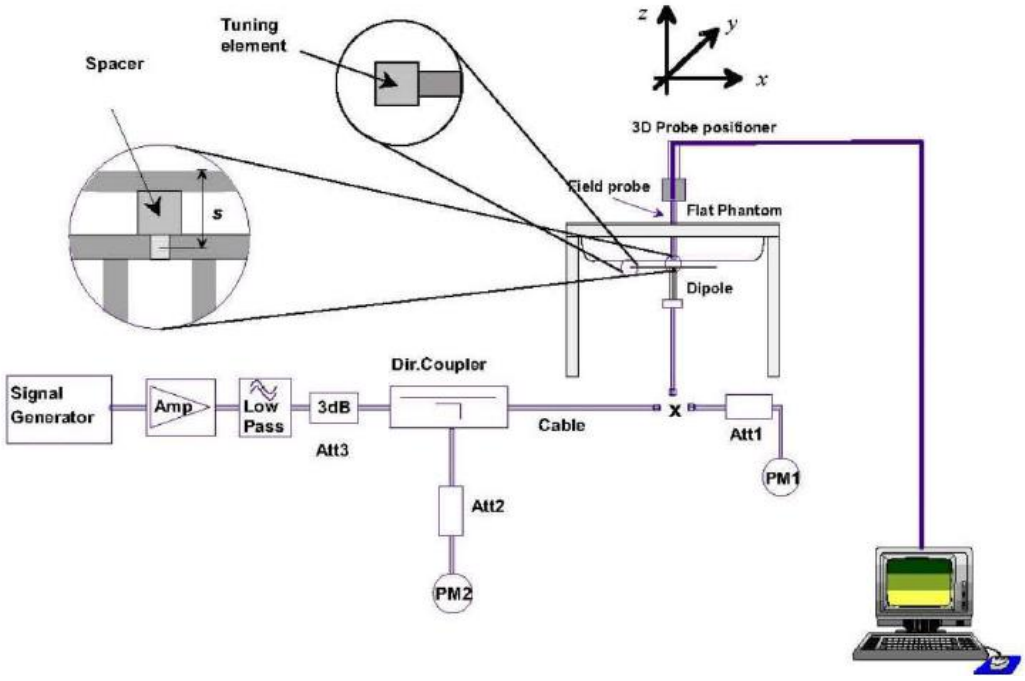
5 SYSTEM VERIFICATION

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.

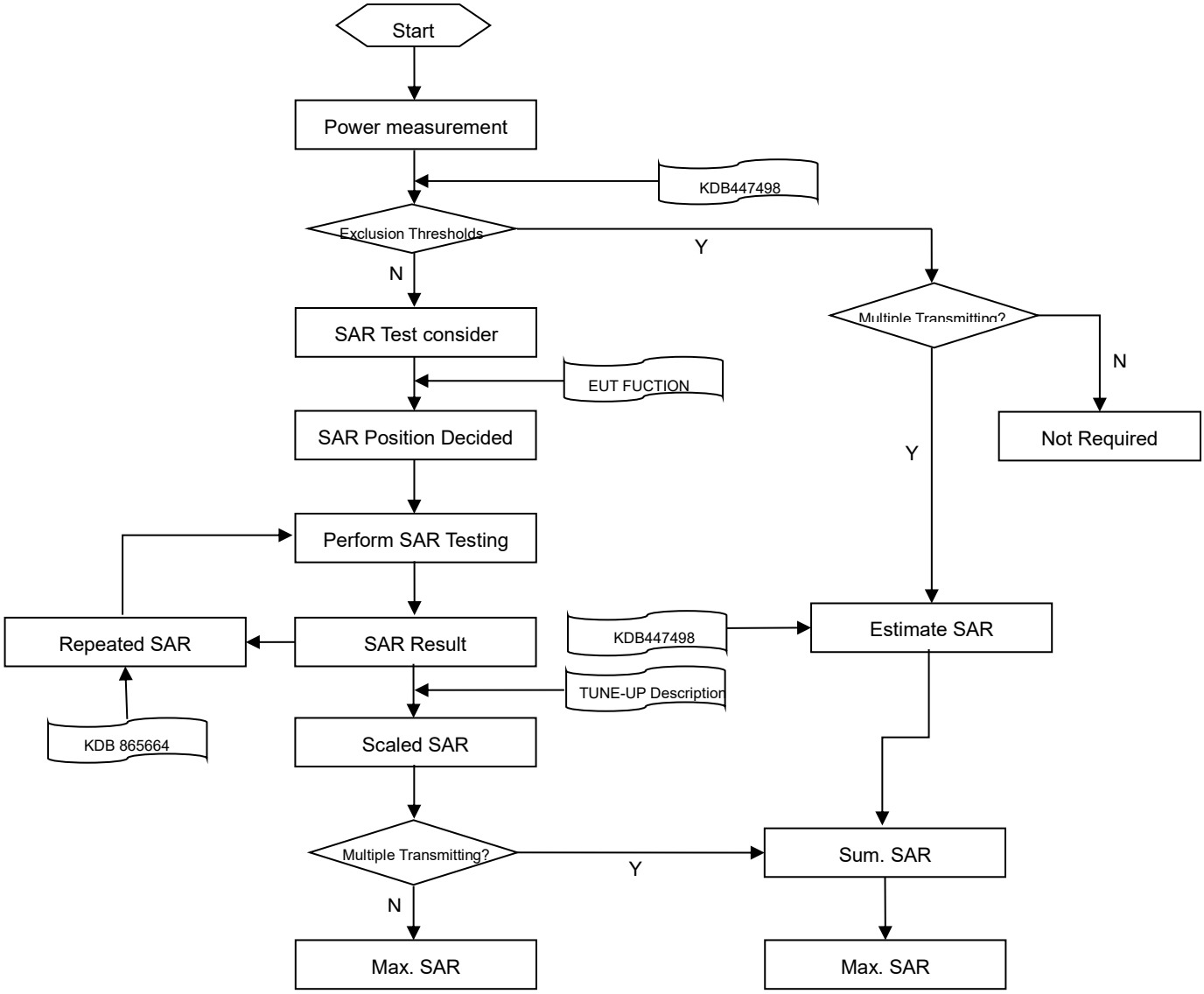
The general informing principle is that the selected test configurations must conservatively capture the various body-worn accessory use conditions expected by users. For instance, devices that are designed to operate on the body of users using lanyards and straps, or without requiring additional body-worn 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.

6.2 Limb-worn Position Conditions

Devices that are designed or intended for use on extremities (i.e., hands, wrists, feet and ankles), or mainly operated in extremity-only exposure conditions, may require extremity SAR evaluation.

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.

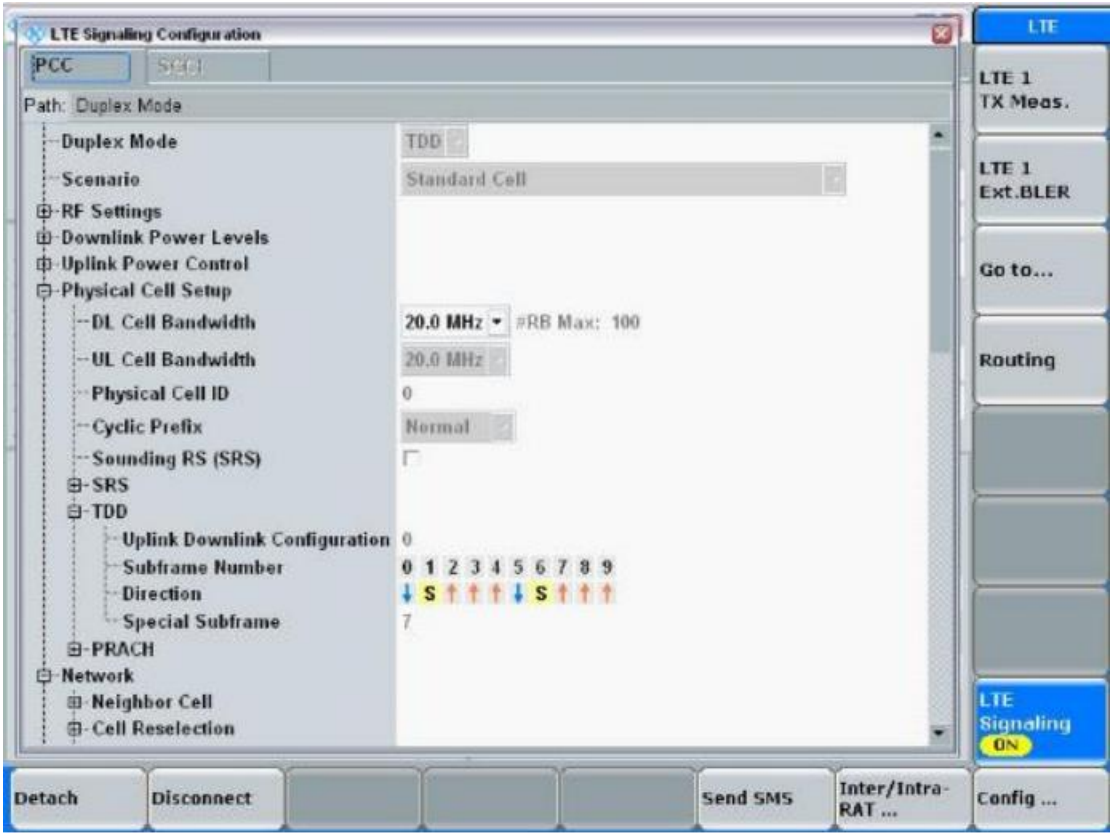
7.4 Area & Zoom Scan Procedure

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.

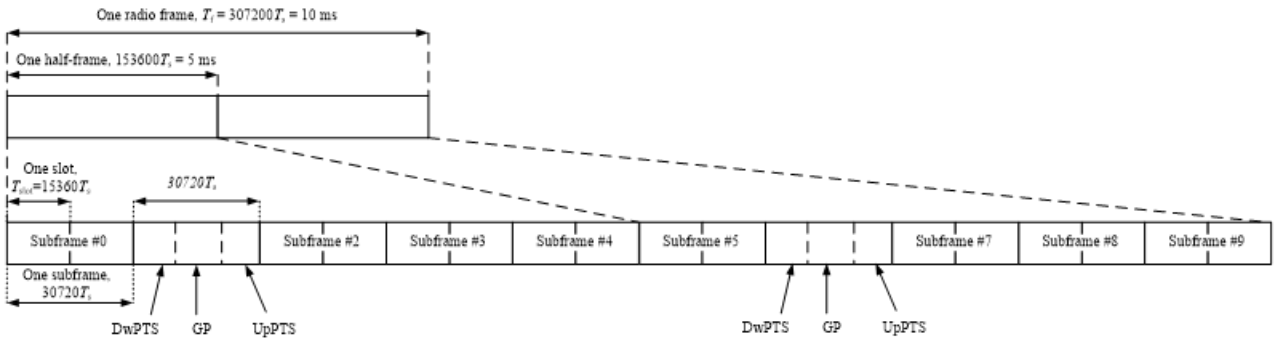
When the 1 g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.

7.5 LTE (TDD) Considerations

During TDD-LTE SAR testing, the EUT was commanded to transmit on maximum output power and maximum transmitting bandwidth. The uplink and downlink slot configuration as below in one radio frame.



According to 3GPP Per 3GPP TS 36.211. Each radio frame of length (Tf=307200*TS =10ms) of two half-frames of length (153600*TS =5ms). Each half-frame consists of five sub-frames of length (30720*TS =1ms)



And the special sub-frame with the three fields DwPTS, GP and UpPTS.

The length of DwPTS and UpPTS is given by below table subject to the total length of DwPTS, GP and UpPTS being equal to 30720*T_S =1ms.

Configuration of special sub-frame (lengths of DwPTS/GP/UpPTS)

Special sub-frame configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	6592·T_s	2192·T_s	2560·T_s	7680·T_s	2192·T_s	2560·T_s
1	19760·T_s			20480·T_s		
2	21592·T_s			23040·T_s		
3	24144·T_s			25600·T_s		
4	26336·T_s			7680·T_s	2560·T_s	5120·T_s
5	6592·T_s	4384·T_s	5120·T_s	20480·T_s		
6	19760·T_s			23040·T_s		
7	21592·T_s			12800·T_s		
8	24144·T_s			-	-	-
9	13168·T_s			-	-	-

For special sub-frame uplink time we used the largest cyclic prefix for duty cycle calculate;

Maximum uplink time of one special sub-frame=(largest cyclic prefix)/(one sub-frame of length)* time of one sub-frame=5120.Ts/30720.Ts*1ms=0.167ms

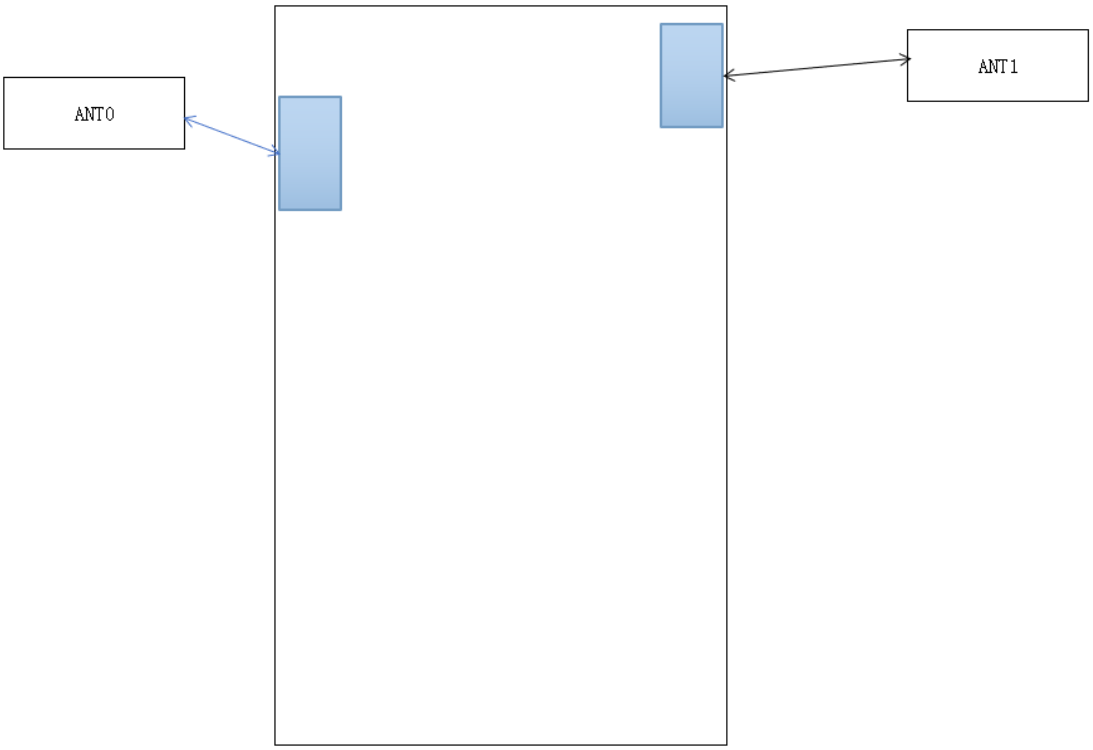
One radio frame with 6 uplink sub-frames and two special sub-frame,
there for the maximum Uplink time in one radio frame is: **6*1 ms+2*0.167 ms=6.334ms**
So, the duty cycle for TDD-LTE is: **6.334ms/10ms =1: 1.58**

8 CONDUCTED RF OUTPUT POWER

Please refer the document “Ti-EE26040132-AP.pdf”.

9 TEST EXCLUSION CONSIDERATION

9.1 Antenna location sketch



Antenna	Support Bands
ANT0	GSM: 850/1900 WCDMA: B2/5 LTE: B5/7
ANT1	WLAN2.4G&WLAN5G&Bluetooth

10 NFC SAR

According to the ANSI C63.10 clause 11.12.2.2:
The value of maximum peak output power is according to the method described in ANSI C63.10 clause 11.12.2.2 General procedure for conducted measurements in restricted bands:

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship: E = EIRP - 20log D + 104.8
where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.

Mode	f (MHz)	Max. E-Field strength (dBuV/m)	D (m)	Ground reflection factor (dB)	ERP (dBm)
NFC (13.56MHz)	13.56	74.73	10	6	-14.53
Note: 1. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz). 2. ERP= 74.73+20*Log(3) - 104.8 + 6 =-14.53 (dBm)					

According to the FCC KDB 447498 D04
Estimated SAR: SAR test =1.6 · Pant / Pth [W/kg]

Estimated SAR	1.6 ·Pant / Pth [W/kg]		
Pmeas.(dBm)	-14.53	Pmeas.(mW)	0.0352
Pth.(mW)	443.13		
NFC Estimated 1g SAR [W/kg]	＜0.001		

11 TEST RESULT

11.1 GSM 850

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body												
ANT0	GPRS 3Slots	Front Side	5	190	836.6	-0.03	0.235	28.41	30.00	1.442	0.339	/
		Back Side-1	0	190	836.6	0.18	0.110	28.41	30.00	1.442	0.159	/
		Back Side-2	0	190	836.6	-0.17	0.185	28.41	30.00	1.442	0.267	/
		Left Edge	5	190	836.6	0.02	0.574	28.41	30.00	1.442	0.828	/
		Right Edge	5	190	836.6	0.14	0.101	28.41	30.00	1.442	0.146	/
		Top Edge	5	190	836.6	0.00	0.080	28.41	30.00	1.442	0.115	/
		Bottom Edge	5	190	836.6	-0.02	0.002	28.41	30.00	1.442	0.003	/
		Left Edge	5	128	824.2	0.13	0.529	28.24	30.00	1.500	0.794	/
		Left Edge	5	251	848.8	-0.16	0.593	28.32	30.00	1.472	**0.873**	1#
Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.												
Note 2: Refer to ANNEX C for the detailed test data for each test configuration.												

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs												
ANT0	GPRS 3Slots	Front Side	0	190	836.6	-0.03	0.250	28.41	30.00	1.442	0.361	/
		Back Side-1	0	190	836.6	0.18	0.075	28.41	30.00	1.442	0.108	/
		Back Side-2	0	190	836.6	-0.17	0.112	28.41	30.00	1.442	0.162	/
		Left Edge	0	190	836.6	0.14	0.889	28.41	30.00	1.442	**1.282**	7#
		Right Edge	0	190	836.6	0.19	0.124	28.41	30.00	1.442	0.179	/
		Top Edge	0	190	836.6	-0.18	0.102	28.41	30.00	1.442	0.147	/
		Bottom Edge	0	190	836.6	0.19	0.001	28.41	30.00	1.442	0.001	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

11.2 GSM 1900

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body												
ANT0	GPRS 2Slots	Front Side	5	661	1880	0.16	0.052	24.99	26.00	1.262	0.066	/
		Back Side-1	0	661	1880	0.10	0.045	24.99	26.00	1.262	0.057	/
		Back Side-2	0	661	1880	-0.09	0.084	24.99	26.00	1.262	0.106	/
		Left Edge	5	661	1880	0.11	0.484	24.99	26.00	1.262	**0.611**	2#
		Right Edge	5	661	1880	0.02	0.063	24.99	26.00	1.262	0.080	/
		Top Edge	5	661	1880	0.16	0.031	24.99	26.00	1.262	0.039	/
		Bottom Edge	5	661	1880	-0.03	0.003	24.99	26.00	1.262	0.004	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs												
ANT0	GPRS 2Slots	Front Side	0	661	1880	0.05	0.099	24.99	26.00	1.262	0.125	/
		Back Side-1	0	661	1880	0.10	0.027	24.99	26.00	1.262	0.034	/
		Back Side-2	0	661	1880	-0.09	0.049	24.99	26.00	1.262	0.062	/
		Left Edge	0	661	1880	0.11	1.020	24.99	26.00	1.262	**1.287**	8#
		Right Edge	0	661	1880	0.03	0.109	24.99	26.00	1.262	0.138	/
		Top Edge	0	661	1880	-0.09	0.053	24.99	26.00	1.262	0.067	/
		Bottom Edge	0	661	1880	-0.19	0.003	24.99	26.00	1.262	0.004	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.3WCDMA Band 2

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body												
ANT0	RMC	Front Side	5	9538	1907.6	0.03	0.094	19.97	20.00	1.007	0.095	/
		Back Side-1	0	9538	1907.6	0.10	0.074	19.97	20.00	1.007	0.075	/
		Back Side-2	0	9538	1907.6	-0.10	0.110	19.97	20.00	1.007	0.111	/
		Left Edge	5	9538	1907.6	-0.15	0.802	19.97	20.00	1.007	0.808	/
		Right Edge	5	9538	1907.6	-0.12	0.113	19.97	20.00	1.007	0.114	/
		Top Edge	5	9538	1907.6	-0.07	0.063	19.97	20.00	1.007	0.063	/
		Bottom Edge	5	9538	1907.6	0.12	0.005	19.97	20.00	1.007	0.005	/
		Left Edge	5	9262	1852.4	0.12	0.813	19.70	20.00	1.072	**0.872**	3#
		Left Edge	5	9400	1880	0.10	0.804	19.71	20.00	1.069	0.859	/
Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.												
Note 2: Refer to ANNEX C for the detailed test data for each test configuration.												

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs												
ANT0	RMC	Front Side	0	9538	1907.6	-0.18	0.131	19.97	20.00	1.007	0.132	/
		Back Side-1	0	9538	1907.6	0.10	0.046	19.97	20.00	1.007	0.046	/
		Back Side-2	0	9538	1907.6	-0.10	0.063	19.97	20.00	1.007	0.063	/
		Left Edge	0	9538	1907.6	0.04	1.380	19.97	20.00	1.007	**1.390**	9#
		Right Edge	0	9538	1907.6	-0.17	0.155	19.97	20.00	1.007	0.156	/
		Top Edge	0	9538	1907.6	-0.19	0.073	19.97	20.00	1.007	0.074	/
		Bottom Edge	0	9538	1907.6	0.04	0.004	19.97	20.00	1.007	0.004	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

11.4WCDMA Band 5

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body												
ANT0	RMC	Front Side	5	4233	846.6	-0.07	0.194	23.33	25.00	1.469	0.285	/
		Back Side-1	0	4233	846.6	-0.13	0.080	23.33	25.00	1.469	0.118	/
		Back Side-2	0	4233	846.6	-0.12	0.185	23.33	25.00	1.469	0.272	/
		Left Edge	5	4233	846.6	0.11	0.547	23.33	25.00	1.469	0.804	/
		Right Edge	5	4233	846.6	-0.13	0.122	23.33	25.00	1.469	0.179	/
		Top Edge	5	4233	846.6	-0.04	0.096	23.33	25.00	1.469	0.141	/
		Bottom Edge	5	4233	846.6	-0.11	0.003	23.33	25.00	1.469	0.004	/
		Left Edge	5	4132	826.4	0.00	0.521	23.31	25.00	1.476	0.769	/
		Left Edge	5	4183	836.6	-0.11	0.554	23.20	25.00	1.514	**0.839**	4#
Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.												
Note 2: Refer to ANNEX C for the detailed test data for each test configuration.												

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs												
ANT0	RMC	Front Side	0	4233	846.6	-0.18	0.198	23.33	25.00	1.469	0.291	/
		Back Side-1	0	4233	846.6	-0.13	0.054	23.33	25.00	1.469	0.079	/
		Back Side-2	0	4233	846.6	-0.12	0.131	23.33	25.00	1.469	0.192	/
		Left Edge	0	4233	846.6	0.14	0.582	23.33	25.00	1.469	**0.855**	10#
		Right Edge	0	4233	846.6	0.00	0.108	23.33	25.00	1.469	0.159	/
		Top Edge	0	4233	846.6	-0.10	0.095	23.33	25.00	1.469	0.140	/
		Bottom Edge	0	4233	846.6	-0.02	0.003	23.33	25.00	1.469	0.004	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.												

11.5 LTE Band 5 (10MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Size	RB offset	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT0	QPSK	Front Side	5	20525	836.5	1	0	0.06	0.187	23.60	25.00	1.380	0.258	/
		Back Side-1	0	20525	836.5	1	0	0.13	0.112	23.60	25.00	1.380	0.155	/
		Back Side-2	0	20525	836.5	1	0	-0.16	0.187	23.60	25.00	1.380	0.258	/
		Left Edge	5	20525	836.5	1	0	0.05	0.420	23.60	25.00	1.380	**0.580**	5#
		Right Edge	5	20525	836.5	1	0	0.01	0.103	23.60	25.00	1.380	0.142	/
		Top Edge	5	20525	836.5	1	0	-0.12	0.071	23.60	25.00	1.380	0.098	/
		Bottom Edge	5	20525	836.5	1	0	0.18	0.001	23.60	25.00	1.380	0.001	/
		Front Side	5	20525	836.5	25	0	-0.11	0.144	22.50	24.00	1.413	0.203	/
		Back Side-1	0	20525	836.5	25	0	0.07	0.101	22.50	24.00	1.413	0.143	/
		Back Side-2	0	20525	836.5	25	0	-0.18	0.174	22.50	24.00	1.413	0.246	/
		Left Edge	5	20525	836.5	25	0	0.10	0.334	22.50	24.00	1.413	0.472	/
		Right Edge	5	20525	836.5	25	0	0.02	0.087	22.50	24.00	1.413	0.123	/
		Top Edge	5	20525	836.5	25	0	-0.19	0.063	22.50	24.00	1.413	0.089	/
		Bottom Edge	5	20525	836.5	25	0	-0.08	0.002	22.50	24.00	1.413	0.003	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Size	RB offset	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT0	QPSK	Front Side	0	20525	836.5	1	0	-0.03	0.220	23.60	25.00	1.380	0.304	/
		Back Side-1	0	20525	836.5	1	0	0.13	0.078	23.60	25.00	1.380	0.108	/
		Back Side-2	0	20525	836.5	1	0	-0.16	0.134	23.60	25.00	1.380	0.185	/
		Left Edge	0	20525	836.5	1	0	-0.02	0.621	23.60	25.00	1.380	**0.857**	11#
		Right Edge	0	20525	836.5	1	0	0.00	0.120	23.60	25.00	1.380	0.166	/
		Top Edge	0	20525	836.5	1	0	-0.11	0.090	23.60	25.00	1.380	0.124	/
		Bottom Edge	0	20525	836.5	1	0	0.11	0.004	23.60	25.00	1.380	0.006	/
		Front Side	0	20525	836.5	25	0	0.16	0.180	22.50	24.00	1.413	0.254	/
		Back Side-1	0	20525	836.5	25	0	0.07	0.065	22.50	24.00	1.413	0.092	/
		Back Side-2	0	20525	836.5	25	0	-0.18	0.123	22.50	24.00	1.413	0.174	/
		Left Edge	0	20525	836.5	25	0	0.08	0.416	22.50	24.00	1.413	0.588	/
		Right Edge	0	20525	836.5	25	0	0.12	0.113	22.50	24.00	1.413	0.160	/
		Top Edge	0	20525	836.5	25	0	0.07	0.081	22.50	24.00	1.413	0.114	/
		Bottom Edge	0	20525	836.5	25	0	-0.11	0.003	22.50	24.00	1.413	0.004	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.6 LTE Band 7 (20MHz Bandwidth)

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Size	RB offset	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT0	QPSK	Front Side	5	20850	2510	1	0	0.16	0.092	19.05	20.00	1.245	0.115	/
		Back Side-1	0	20850	2510	1	0	0.06	0.026	19.05	20.00	1.245	0.032	/
		Back Side-2	0	20850	2510	1	0	-0.13	0.042	19.05	20.00	1.245	0.052	/
		Left Edge	5	20850	2510	1	0	-0.02	0.656	19.05	20.00	1.245	0.817	/
		Right Edge	5	20850	2510	1	0	0.00	0.027	19.05	20.00	1.245	0.034	/
		Top Edge	5	20850	2510	1	0	0.08	0.055	19.05	20.00	1.245	0.068	/
		Bottom Edge	5	20850	2510	1	0	-0.08	0.004	19.05	20.00	1.245	0.005	/
		Left Edge	5	21100	2535	1	0	-0.18	0.581	19.04	20.00	1.247	0.725	/
		Left Edge	5	21350	2560	1	0	0.14	0.688	18.99	20.00	1.262	**0.868**	6#
		Front Side	5	20850	2510	50	0	0.13	0.074	18.04	19.00	1.247	0.092	/
		Back Side-1	0	20850	2510	50	0	0.06	0.018	18.04	19.00	1.247	0.022	/
		Back Side-2	0	20850	2510	50	0	-0.04	0.035	18.04	19.00	1.247	0.044	/
		Left Edge	5	20850	2510	50	0	0.18	0.583	18.04	19.00	1.247	0.727	/
		Right Edge	5	20850	2510	50	0	0.14	0.023	18.04	19.00	1.247	0.029	/
		Top Edge	5	20850	2510	50	0	0.06	0.047	18.04	19.00	1.247	0.059	/
		Bottom Edge	5	20850	2510	50	0	-0.17	0.003	18.04	19.00	1.247	0.004	/
		Left Edge	5	21100	2535	50	0	0.06	0.521	18.03	19.00	1.250	0.651	/
		Left Edge	5	21350	2560	50	0	-0.10	0.543	18.02	19.00	1.253	0.680	/
		Left Edge	5	20850	2510	100	0	0.07	0.517	18.01	19.00	1.256	0.649	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	RB Size	RB offset	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT0	QPSK	Front Side	0	20850	2510	1	0	-0.11	0.084	19.05	20.00	1.245	0.105	/
		Back Side-1	0	20850	2510	1	0	0.06	0.014	19.05	20.00	1.245	0.017	/
		Back Side-2	0	20850	2510	1	0	-0.13	0.024	19.05	20.00	1.245	0.030	/
		Left Edge	0	20850	2510	1	0	0.13	0.912	19.05	20.00	1.245	**1.135**	12#
		Right Edge	0	20850	2510	1	0	0.03	0.035	19.05	20.00	1.245	0.044	/
		Top Edge	0	20850	2510	1	0	0.00	0.064	19.05	20.00	1.245	0.080	/
		Bottom Edge	0	20850	2510	1	0	0.04	0.005	19.05	20.00	1.245	0.006	/
		Front Side	0	20850	2510	50	25	0.05	0.063	18.04	19.00	1.247	0.079	/
		Back Side-1	0	20850	2510	50	25	0.06	0.011	18.04	19.00	1.247	0.014	/
		Back Side-2	0	20850	2510	50	25	-0.04	0.017	18.04	19.00	1.247	0.021	/
		Left Edge	0	20850	2510	50	25	0.12	0.735	18.04	19.00	1.247	0.917	/
		Right Edge	0	20850	2510	50	25	0.10	0.027	18.04	19.00	1.247	0.034	/
		Top Edge	0	20850	2510	50	25	-0.01	0.052	18.04	19.00	1.247	0.065	/
		Bottom Edge	0	20850	2510	50	25	0.01	0.003	18.04	19.00	1.247	0.004	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

11.7 Bluetooth

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT1	DH5	Front Side	5	39	2441	0.07	0.016	5.85	6.00	1.035	76.88	1.301	0.022	/
		Back Side-1	0	39	2441	0.12	0.021	5.85	6.00	1.035	76.88	1.301	0.028	/
		Back Side-2	0	39	2441	-0.15	0.013	5.85	6.00	1.035	76.88	1.301	0.018	/
		Left Edge	5	39	2441	-0.18	0.018	5.85	6.00	1.035	76.88	1.301	0.024	/
		Right Edge	5	39	2441	0.05	0.071	5.85	6.00	1.035	76.88	1.301	**0.096**	13#
		Top Edge	5	39	2441	-0.18	0.035	5.85	6.00	1.035	76.88	1.301	0.047	/
		Bottom Edge	5	39	2441	-0.07	0.002	5.85	6.00	1.035	76.88	1.301	0.003	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT1	DH5	Front Side	0	39	2441	-0.17	0.035	5.85	6.00	1.035	76.88	1.301	0.047	/
		Back Side-1	0	39	2441	0.12	0.008	5.85	6.00	1.035	76.88	1.301	0.011	/
		Back Side-2	0	39	2441	-0.15	0.006	5.85	6.00	1.035	76.88	1.301	0.008	/
		Left Edge	0	39	2441	0.12	0.012	5.85	6.00	1.035	76.88	1.301	0.016	/
		Right Edge	0	39	2441	0.09	0.088	5.85	6.00	1.035	76.88	1.301	**0.118**	18#
		Top Edge	0	39	2441	-0.16	0.038	5.85	6.00	1.035	76.88	1.301	0.051	/
		Bottom Edge	0	39	2441	-0.10	0.002	5.85	6.00	1.035	76.88	1.301	0.003	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.82.4G WIFI

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT1	11b	Front Side	5	6	2437	-0.07	0.122	13.93	14.00	1.016	99.20	1.008	0.125	/
		Back Side-1	0	6	2437	0.06	0.023	13.93	14.00	1.016	99.20	1.008	0.024	/
		Back Side-2	0	6	2437	0.12	0.017	13.93	14.00	1.016	99.20	1.008	0.017	/
		Left Edge	5	6	2437	0.12	0.026	13.93	14.00	1.016	99.20	1.008	0.027	/
		Right Edge	5	6	2437	0.15	0.517	13.93	14.00	1.016	99.20	1.008	**0.529**	14#
		Top Edge	5	6	2437	0.07	0.062	13.93	14.00	1.016	99.20	1.008	0.063	/
		Bottom Edge	5	6	2437	0.05	0.004	13.93	14.00	1.016	99.20	1.008	0.004	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT1	11b	Front Side	0	6	2437	0.09	0.084	13.93	14.00	1.016	99.20	1.008	0.086	/
		Back Side-1	0	6	2437	0.06	0.010	13.93	14.00	1.016	99.20	1.008	0.010	/
		Back Side-2	0	6	2437	0.12	0.006	13.93	14.00	1.016	99.20	1.008	0.006	/
		Left Edge	0	6	2437	0.17	0.016	13.93	14.00	1.016	99.20	1.008	0.016	/
		Right Edge	0	6	2437	0.05	0.884	13.93	14.00	1.016	99.20	1.008	**0.905**	19#
		Top Edge	0	6	2437	0.17	0.053	13.93	14.00	1.016	99.20	1.008	0.054	/
		Bottom Edge	0	6	2437	-0.07	0.001	13.93	14.00	1.016	99.20	1.008	0.001	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.95.3G WIFI

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT1	11a	Front Side	5	60	5300	0.00	0.064	13.64	14.00	1.086	96.30	1.038	0.072	/
		Back Side-1	0	60	5300	0.13	0.199	13.64	14.00	1.086	96.30	1.038	0.224	/
		Back Side-2	0	60	5300	-0.05	0.077	13.64	14.00	1.086	96.30	1.038	0.087	/
		Left Edge	5	60	5300	-0.09	0.023	13.64	14.00	1.086	96.30	1.038	0.026	/
		Right Edge	5	60	5300	0.17	0.594	13.64	14.00	1.086	96.30	1.038	**0.670**	15#
		Top Edge	5	60	5300	0.07	0.094	13.64	14.00	1.086	96.30	1.038	0.106	/
		Bottom Edge	5	60	5300	0.17	0.004	13.64	14.00	1.086	96.30	1.038	0.005	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT1	11a	Front Side	0	60	5300	0.02	0.015	13.64	14.00	1.086	96.30	1.038	0.017	/
		Back Side-1	0	60	5300	0.13	0.061	13.64	14.00	1.086	96.30	1.038	0.069	/
		Back Side-2	0	60	5300	-0.05	0.027	13.64	14.00	1.086	96.30	1.038	0.030	/
		Left Edge	0	60	5300	0.15	0.008	13.64	14.00	1.086	96.30	1.038	0.009	/
		Right Edge	0	60	5300	0.16	0.704	13.64	14.00	1.086	96.30	1.038	**0.794**	20#
		Top Edge	0	60	5300	-0.06	0.035	13.64	14.00	1.086	96.30	1.038	0.039	/
		Bottom Edge	0	60	5300	0.12	0.003	13.64	14.00	1.086	96.30	1.038	0.003	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.10 5.6G WIFI

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT1	11a	Front Side	5	116	5580	0.17	0.087	13.72	14.00	1.067	96.30	1.038	0.096	/
		Back Side-1	0	116	5580	0.13	0.194	13.72	14.00	1.067	96.30	1.038	0.215	/
		Back Side-2	0	116	5580	0.07	0.077	13.72	14.00	1.067	96.30	1.038	0.085	/
		Left Edge	5	116	5580	-0.13	0.063	13.72	14.00	1.067	96.30	1.038	0.070	/
		Right Edge	5	116	5580	0.01	0.533	13.72	14.00	1.067	96.30	1.038	**0.590**	16#
		Top Edge	5	116	5580	0.03	0.132	13.72	14.00	1.067	96.30	1.038	0.146	/
		Bottom Edge	5	116	5580	0.15	0.003	13.72	14.00	1.067	96.30	1.038	0.003	/

Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.

Note 2: Refer to ANNEX C for the detailed test data for each test configuration.

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT1	11a	Front Side	0	116	5580	0.17	0.010	13.72	14.00	1.067	96.30	1.038	0.011	/
		Back Side-1	0	116	5580	0.13	0.062	13.72	14.00	1.067	96.30	1.038	0.069	/
		Back Side-2	0	116	5580	0.07	0.024	13.72	14.00	1.067	96.30	1.038	0.027	/
		Left Edge	0	116	5580	0.15	0.024	13.72	14.00	1.067	96.30	1.038	0.027	/
		Right Edge	0	116	5580	0.02	0.219	13.72	14.00	1.067	96.30	1.038	**0.243**	21#
		Top Edge	0	116	5580	-0.04	0.030	13.72	14.00	1.067	96.30	1.038	0.033	/
		Bottom Edge	0	116	5580	0.11	0.002	13.72	14.00	1.067	96.30	1.038	0.002	/

Note: Refer to ANNEX C for the detailed test data for each test configuration.

11.11 5.8G WIFI

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	1g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	1g Scaled SAR (W/kg)	Meas. No.
Body														
ANT1	11a	Front Side	5	157	5785	-0.14	0.093	13.79	14.00	1.050	96.30	1.038	0.101	/
		Back Side-1	0	157	5785	0.12	0.177	13.79	14.00	1.050	96.30	1.038	0.193	/
		Back Side-2	0	157	5785	0.00	0.070	13.79	14.00	1.050	96.30	1.038	0.076	/
		Left Edge	5	157	5785	0.03	0.035	13.79	14.00	1.050	96.30	1.038	0.038	/
		Right Edge	5	157	5785	0.09	0.687	13.79	14.00	1.050	96.30	1.038	**0.749**	17#
		Top Edge	5	157	5785	0.00	0.209	13.79	14.00	1.050	96.30	1.038	0.228	/
		Bottom Edge	5	157	5785	-0.18	0.001	13.79	14.00	1.050	96.30	1.038	0.001	/
Note 1: Given the special structure of the DUT, the Body SAR evaluation was performed with the device back side placed in the closest proximity to the pelvic section of the phantom.														
Note 2: Refer to ANNEX C for the detailed test data for each test configuration.														

Antenna	Mode	Position	Dist. (mm)	Ch.	Freq. (MHz)	Power Drift (dB)	10g Meas SAR (W/kg)	Meas. Power (dBm)	Max. tune-up power (dBm)	Scaling Factor	Duty cycle (%)	Duty Factor	10g Scaled SAR (W/kg)	Meas. No.
Limbs														
ANT1	11a	Front Side	0	157	5785	0.00	0.021	13.79	14.00	1.050	96.30	1.038	0.023	/
		Back Side-1	0	157	5785	0.12	0.049	13.79	14.00	1.050	96.30	1.038	0.053	/
		Back Side-2	0	157	5785	0.00	0.022	13.79	14.00	1.050	96.30	1.038	0.024	/
		Left Edge	0	157	5785	0.02	0.016	13.79	14.00	1.050	96.30	1.038	0.017	/
		Right Edge	0	157	5785	0.09	0.594	13.79	14.00	1.050	96.30	1.038	**0.647**	22#
		Top Edge	0	157	5785	0.01	0.064	13.79	14.00	1.050	96.30	1.038	0.070	/
		Bottom Edge	0	157	5785	0.00	0.004	13.79	14.00	1.050	96.30	1.038	0.004	/
Note: Refer to ANNEX C for the detailed test data for each test configuration.														

12 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.

Frequency Band (MHz)	Wireless Band	Antenna	RF Exposure Conditions	Test Position	Highest Measured SAR (W/kg)	Repeated SAR (Yes/No)	Highest Measured SAR (W/kg)	Largest to Smallest SAR Radio
1852.4	WCDMA Band 2	ANT0	Body	Left Edge	0.813	Yes	0.793	1.03
Note: The ratio of largest to smallest SAR for the original and first repeated measurements is < 1.20, the second repeated measurement is not required.								

13 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.

13.1 Simultaneous Transmission Mode Considerations

No.	Simultaneous Tx Combination	Body	Limbs
1	WWAN+WLAN2.4G+WLAN5G	Yes	Yes
2	WWAN+WLAN5G+BT	Yes	Yes

Note:
1. WiFi 2.4G and Bluetooth share the same antenna, and can't transmit simultaneously.
2. The maximum SAR summation is calculated based on the same configuration and test position.
3. The simultaneous transmission combinations of the more antennas contain combinations of less antennas, so only the worst simultaneous transmission combinations is shown in this report.

13.2 Highest Total Exposure Ratio of Simultaneous Transmission

NFC multi-transmit requires the use of the TER formula:

$$TER = \sum_{k=1}^{N_S}\left(\frac{SAR_k}{SAR_{\lim}}\right) + \sum_{k=1}^{N_f}\left(\frac{MPE_{field,\,k}}{MPE_{field,\,\lim}}\right)^2 + \sum_{k=1}^{N_{PD}}\left(\frac{MPE_{PD,\,k}}{MPE_{PD,\,\lim}}\right)$$

The maximum SAR value for Simultaneous Transmission is 0.001 [W/kg], the worst TER =(1.457+0.001)/1.6 = 0.9113＜1,the NFC SAR transmit simultaneously Pass.

13.3 Body for WWAN Antenna with WLAN 2.4G Or WLAN 5G and BT

Band	Antenna	Position	SUM SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI+5G WIFI (1+2+3)	WWAN+5G WIFI+BT (1+3+4)
GSM 850	Ant.0	Front Side 5mm	0.339	0.125	0.101	0.022	0.565	0.462
	Ant.0	Back Side-1 0mm	0.159	0.024	0.224	0.028	0.407	0.411
	Ant.0	Back Side-2 0mm	0.267	0.017	0.087	0.018	0.371	0.372
	Ant.0	Left Edge 5mm	0.873	0.027	0.070	0.024	0.970	0.967
	Ant.0	Right Edge 5mm	0.146	0.529	0.749	0.096	1.424	0.991
	Ant.0	Top Edge 5mm	0.115	0.063	0.228	0.047	0.406	0.390
	Ant.0	Bottom Edge 5mm	0.003	0.004	0.005	0.003	0.012	0.011
GSM 1900	Ant.0	Front Side 5mm	0.066	0.125	0.101	0.022	0.292	0.189
	Ant.0	Back Side-1 0mm	0.057	0.024	0.224	0.028	0.305	0.309
	Ant.0	Back Side-2 0mm	0.106	0.017	0.087	0.018	0.210	0.211
	Ant.0	Left Edge 5mm	0.611	0.027	0.070	0.024	0.708	0.705
	Ant.0	Right Edge 5mm	0.080	0.529	0.749	0.096	1.358	0.925
	Ant.0	Top Edge 5mm	0.039	0.063	0.228	0.047	0.330	0.314
	Ant.0	Bottom Edge 5mm	0.004	0.004	0.005	0.003	0.013	0.012
WCDMA B2	Ant.0	Front Side 5mm	0.095	0.125	0.101	0.022	0.321	0.218
	Ant.0	Back Side-1 0mm	0.075	0.024	0.224	0.028	0.323	0.327
	Ant.0	Back Side-2 0mm	0.111	0.017	0.087	0.018	0.215	0.216
	Ant.0	Left Edge 5mm	0.872	0.027	0.070	0.024	0.969	0.966
	Ant.0	Right Edge 5mm	0.114	0.529	0.749	0.096	1.392	0.959
	Ant.0	Top Edge 5mm	0.063	0.063	0.228	0.047	0.354	0.338
	Ant.0	Bottom Edge 5mm	0.005	0.004	0.005	0.003	0.014	0.013
WCDMA B5	Ant.0	Front Side 5mm	0.285	0.125	0.101	0.022	0.511	0.408
	Ant.0	Back Side-1 0mm	0.118	0.024	0.224	0.028	0.366	0.370
	Ant.0	Back Side-2 0mm	0.272	0.017	0.087	0.018	0.376	0.377
	Ant.0	Left Edge 5mm	0.839	0.027	0.070	0.024	0.936	0.933
	Ant.0	Right Edge 5mm	0.179	0.529	0.749	0.096	**1.457**	1.024
	Ant.0	Top Edge 5mm	0.141	0.063	0.228	0.047	0.432	0.416
	Ant.0	Bottom Edge 5mm	0.004	0.004	0.005	0.003	0.013	0.012
LTE B5	Ant.0	Front Side 5mm	0.258	0.125	0.101	0.022	0.484	0.381
	Ant.0	Back Side-1 0mm	0.155	0.024	0.224	0.028	0.403	0.407
	Ant.0	Back Side-2 0mm	0.258	0.017	0.087	0.018	0.362	0.363
	Ant.0	Left Edge 5mm	0.580	0.027	0.070	0.024	0.677	0.674
	Ant.0	Right Edge 5mm	0.142	0.529	0.749	0.096	1.420	0.987

	Ant.0	Top Edge 5mm	0.098	0.063	0.228	0.047	0.389	0.373
	Ant.0	Bottom Edge 5mm	0.003	0.004	0.005	0.003	0.012	0.011
LTE B7	Ant.0	Front Side 5mm	0.115	0.125	0.101	0.022	0.341	0.238
	Ant.0	Back Side-1 0mm	0.032	0.024	0.224	0.028	0.280	0.284
	Ant.0	Back Side-2 0mm	0.052	0.017	0.087	0.018	0.156	0.157
	Ant.0	Left Edge 5mm	0.868	0.027	0.070	0.024	0.965	0.962
	Ant.0	Right Edge 5mm	0.034	0.529	0.749	0.096	1.312	0.879
	Ant.0	Top Edge 5mm	0.068	0.063	0.228	0.047	0.359	0.343
	Ant.0	Bottom Edge 5mm	0.005	0.004	0.005	0.003	0.014	0.013

Note:

1: The highest Summed 1g SAR is 1.457 W/Kg < 1.6 W/kg, so Simultaneous Transmission SAR test is not required.

13.4Limbs for WWAN Antenna with WLAN 2.4G Or WLAN 5G and BT

Band	Antenna	Position	SUM SAR				SUM SAR	
			1	2	3	4		
			WWAN	2.4GWIFI	5GWIFI Max	Bluetooth	WWAN+2.4G WIFI+5G WIFI	WWAN+5G WIFI+BT
							（1+2+3)	（1+3+4）
GSM 850	Ant.0	Front Side 0mm	0.361	0.086	0.023	0.047	0.470	0.431
	Ant.0	Back Side-1 0mm	0.108	0.010	0.069	0.011	0.187	0.188
	Ant.0	Back Side-2 0mm	0.162	0.006	0.030	0.008	0.198	0.200
	Ant.0	Left Edge 0mm	1.282	0.016	0.027	0.016	1.325	1.325
	Ant.0	Right Edge 0mm	0.179	0.905	0.794	0.118	**1.878**	1.091
	Ant.0	Top Edge 0mm	0.147	0.054	0.070	0.051	0.271	0.268
	Ant.0	Bottom Edge 0mm	0.001	0.001	0.004	0.003	0.006	0.008
GSM 1900	Ant.0	Front Side 0mm	0.125	0.086	0.023	0.047	0.234	0.195
	Ant.0	Back Side-1 0mm	0.034	0.010	0.069	0.011	0.113	0.114
	Ant.0	Back Side-2 0mm	0.062	0.006	0.030	0.008	0.098	0.100
	Ant.0	Left Edge 0mm	1.287	0.016	0.027	0.016	1.330	1.330
	Ant.0	Right Edge 0mm	0.138	0.905	0.794	0.118	1.837	1.050
	Ant.0	Top Edge 0mm	0.067	0.054	0.070	0.051	0.191	0.188
	Ant.0	Bottom Edge 0mm	0.004	0.001	0.004	0.003	0.009	0.011
WCDMA B2	Ant.0	Front Side 0mm	0.132	0.086	0.023	0.047	0.241	0.202
	Ant.0	Back Side-1 0mm	0.046	0.010	0.069	0.011	0.125	0.126
	Ant.0	Back Side-2 0mm	0.063	0.006	0.030	0.008	0.099	0.101
	Ant.0	Left Edge 0mm	1.390	0.016	0.027	0.016	1.433	1.433
	Ant.0	Right Edge 0mm	0.156	0.905	0.794	0.118	1.855	1.068
	Ant.0	Top Edge 0mm	0.074	0.054	0.070	0.051	0.198	0.195
	Ant.0	Bottom Edge 0mm	0.004	0.001	0.004	0.003	0.009	0.011

WCDMA B5	Ant.0	Front Side 0mm	0.291	0.086	0.023	0.047	0.400	0.361
	Ant.0	Back Side-1 0mm	0.079	0.010	0.069	0.011	0.158	0.159
	Ant.0	Back Side-2 0mm	0.192	0.006	0.030	0.008	0.228	0.230
	Ant.0	Left Edge 0mm	0.855	0.016	0.027	0.016	0.898	0.898
	Ant.0	Right Edge 0mm	0.159	0.905	0.794	0.118	1.858	1.071
	Ant.0	Top Edge 0mm	0.140	0.054	0.070	0.051	0.264	0.261
	Ant.0	Bottom Edge 0mm	0.004	0.001	0.004	0.003	0.009	0.011
LTE B5	Ant.0	Front Side 0mm	0.304	0.086	0.023	0.047	0.413	0.374
	Ant.0	Back Side-1 0mm	0.108	0.010	0.069	0.011	0.187	0.188
	Ant.0	Back Side-2 0mm	0.185	0.006	0.030	0.008	0.221	0.223
	Ant.0	Left Edge 0mm	0.857	0.016	0.027	0.016	0.900	0.900
	Ant.0	Right Edge 0mm	0.166	0.905	0.794	0.118	1.865	1.078
	Ant.0	Top Edge 0mm	0.124	0.054	0.070	0.051	0.248	0.245
	Ant.0	Bottom Edge 0mm	0.006	0.001	0.004	0.003	0.011	0.013
LTE B7	Ant.0	Front Side 0mm	0.105	0.086	0.023	0.047	0.214	0.175
	Ant.0	Back Side-1 0mm	0.017	0.010	0.069	0.011	0.096	0.097
	Ant.0	Back Side-2 0mm	0.030	0.006	0.030	0.008	0.066	0.068
	Ant.0	Left Edge 0mm	1.135	0.016	0.027	0.016	1.178	1.178
	Ant.0	Right Edge 0mm	0.044	0.905	0.794	0.118	1.743	0.956
	Ant.0	Top Edge 0mm	0.080	0.054	0.070	0.051	0.204	0.201
	Ant.0	Bottom Edge 0mm	0.006	0.001	0.004	0.003	0.011	0.013

Note:

1: The highest Summed 10g SAR is 1.878 W/Kg < 4.0 W/kg, so Simultaneous Transmission SAR test is not required.

14 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
835MHz Validation Dipole	Speag	D835V2	SN: 4d187	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
2600MHz Validation Dipole	Speag	D2600V2	SN: 1095	2024/05/08	2027/05/07
5GHz Validation Dipole	Speag	D5GHzV2	SN: 1200	2024/05/09	2027/05/08
Data Acquisition Electronics	Speag	DAE4	SN: 1711	2025/11/11	2026/11/10
E-Field Probe	Speag	EX3DV4	SN: 7664	2025/06/30	2026/06/29
Signal Generator	Keysight	N5173B	MY62150163	2025/07/15	2026/07/14
Power Meter	R&S	NRVD-B2	835843/014	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z4	100381	2025/07/15	2026/07/14
Power Sensor	R&S	NRV-Z2	100211	2025/07/15	2026/07/14
Wireless Communication Test Set	R&S	CMW500	104946	2026/03/24	2027/03/23
Network Analyzer	Agilent	E5071C	MY46103472	2025/08/13	2026/08/12
Thermometer	Elitech	RC-4HC	EF7216002985	2025/10/30	2026/10/29
Thermometer	Elitech	RC-4HC	EF720B004811	2025/09/16	2026/09/15
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: 1576	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 (%)
2026.04.29	Head	835	21.4	0.89	41.94	0.90	41.50	-1.11	1.06
2026.04.26	Head	835	21.6	0.89	41.99	0.90	41.50	-1.11	1.18
2026.04.23	Head	1950	21.2	1.44	38.82	1.40	40.00	2.86	-2.95
2026.04.27	Head	2450	21.5	1.84	38.42	1.80	39.20	2.22	-1.99
2026.04.30	Head	2600	21.1	2.00	38.14	1.96	39.01	2.04	-2.23
2026.04.21	Head	5250	21.4	4.60	36.74	4.71	35.93	-2.34	2.25
2026.04.21	Head	5600	21.4	5.12	34.99	5.07	35.53	0.99	-1.52
2026.04.26	Head	5750	21.6	5.13	35.86	5.22	35.36	-1.72	1.41
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 %.

Head liquid 1g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.04.29	Head	835	100	0.987	9.87	9.74	1.33
2026.04.26	Head	835	100	0.972	9.72	9.74	-0.21
2026.04.23	Head	1950	100	4.220	42.20	41.70	1.20
2026.04.27	Head	2450	100	5.220	52.20	52.60	-0.76
2026.04.30	Head	2600	100	5.520	55.20	55.90	-1.25
2026.04.21	Head	5250	100	7.730	77.30	77.70	-0.51
2026.04.21	Head	5600	100	8.120	81.20	81.30	-0.12
2026.04.26	Head	5750	100	7.740	77.40	77.60	-0.26
Note: The tolerance limit of System validation ±10%.							

Head liquid 10g

Date	Liquid Type	Freq. (MHz)	Power (mW)	Measured SAR (W/kg)	Normalized SAR (W/kg)	Dipole SAR (W/kg)	Tolerance (%)
2026.04.29	Head	835	100	0.656	6.56	6.43	2.02
2026.04.26	Head	835	100	0.651	6.51	6.43	1.24
2026.04.23	Head	1950	100	2.230	22.30	21.70	2.76
2026.04.27	Head	2450	100	2.410	24.10	24.70	-2.43
2026.04.30	Head	2600	100	2.530	25.30	25.40	-0.39
2026.04.21	Head	5250	100	2.150	21.50	22.00	-2.27
2026.04.21	Head	5600	100	2.280	22.80	23.10	-1.30
2026.04.26	Head	5750	100	2.180	21.80	21.90	-0.46
Note: The tolerance limit of System validation ±10%.							

Please refer the document “Ti-EE26040132-ASC.pdf”.

ANNEX C TEST DATA

Please refer the document “Ti-EE26040132-ATD.pdf”.

ANNEX D EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26040132-AW.pdf”.

ANNEX E SAR TEST SETUP PHOTOS

Please refer the document “Ti-EE26040132-AS.pdf”.

ANNEX F CALIBRATION REPORT

Please refer the document “Ti-EE26040132-AC.pdf”.

ANNEX G TUNE-UP PROCEDURE

Please refer the document “Ti-EE26040132-AT.pdf”.

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.
3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.
4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--END OF REPORT--