

Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-02 Rev. A/1

Report No.: FYCR260600004104

Page: 1 of 67

SAR TEST REPORT

Application No.: FYCR2606000041AT
Applicant: PLAUD Inc.
Address of Applicant: 8 The Green, Ste A, Dover, Kent County, Delaware 19901 United States
Manufacturer: PLAUD Inc.
Address of Manufacturer: 8 The Green, Ste A, Dover, Kent County, Delaware 19901 United States
EUT Description: Plaud One
Model No.: PB0100
Trade Mark: PLAUD
FCC ID: 2BQL2-PB0100
Standards: FCC 47CFR §2.1093
Date of Receipt: 2026-06-03
Date of Test: 2026-07-24 to 2026-07-28
Date of Issue: 2026-08-06

Test Result :	PASS *
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* In the configuration tested, the EUT detailed in this report complied with the standards specified above.



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Revision Record

Version	Description	Date	Remark
01		2026-08-06	Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan / Reviewer		



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TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)	
	Body	Extremity
LTE Band 7	1.11	1.27
LTE Band 12(17)	0.49	1.59
LTE Band 13	0.34	0.85
LTE Band 25(2)	0.72	1.18
LTE Band 26(5)	0.52	1.27
LTE Band 41(38)	1.30	0.79
LTE Band 66(4)	0.47	0.76
BT	<0.10	<0.10
SAR Limited(W/kg)	1.6	4.0
Maximum Simultaneous Transmission SAR (W/kg)		
Scenario	Body	Extremity
Sum SAR	1.31	1.61
SPLSR	/	/
SPLSR Limited	0.04	0.1

According to TCB Workshop (Overlapping LTE Bands): SAR in LTE band 4 is covered by LTE band 66.

SAR in LTE band 2 are covered by LTE band 25. SAR in LTE band 5 is covered by LTE band 26. SAR in LTE band 17 is covered by LTE band 12. SAR in LTE band 38 is covered by LTE band 41. Because the frequency range is similar, the maximum tuning limit is the same, and the channel bandwidth and other operating parameters for the smaller band is fully supported by the larger band.



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1 General Information

1.1 General Description of EUT

Product Name:	Plaud One	
Model No.:	PB0100	
Trade Mark:	PLAUD	
Product Phase:	production unit	
Device Type:	portable device	
Exposure Category:	uncontrolled environment / general population	
SN:	8601B50296492723, 8601B50290277955	
Hardware Version:	Sigma_MB_P0.7	
Software Version:	T0.2.26	
Antenna Type:	PIFA Antenna	
Device Operating Configurations:		
Test Mode Configuration:	LTE:QPSK,16QAM BT:GFSK, π /4DQPSK,8DPSK	
Power Class:	3, tested with power control “max power”(LTE Band)	
Frequency Bands:	Band	Tx(MHz)
	LTE Band 2	1850 ~1910
	LTE Band 4	1710~1755
	LTE Band 5	824~849
	LTE Band 7	2500~2570
	LTE Band 12	699~716
	LTE Band 13	777~787
	LTE Band 17	704-716
	LTE Band 25	1850~1915
	LTE Band 26	814~849
	LTE Band 38	2570~2620
	LTE Band 41	2496~2690
	LTE Band 66	1710~1780
	BT	2402~2480
RF Cable:	☒ Provided by applicant ☐ Provided by the laboratory	
Battery Information 1#:	Model:	642241



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	Normal Voltage:	3.87V
	Rated capacity:	830mAh
	Manufacturer:	Guangdong Highpower New Energy Technology Co., Ltd.
Battery Information 2#:	Model:	632241PM5
	Normal Voltage:	3.87V
	Rated capacity:	830mAh
	Manufacturer:	Chongqing VDL Electronics Co., LTD.
Note: Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.		



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1.2 Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 941225 D05	SAR for LTE Devices v02r05
KDB 941225 D05A	LTE Rel.10 KDB Inquiry Sheet v01r02
KDB 447498 D04	Interim General RF Exposure Guidance v01
KDB 865664 D01	SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02	RF Exposure Reporting v01r02
KDB 690783 D01	SAR Listings on Grants v01r03
KDB 616217 D04	SAR for laptop and tablets v01r02



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1.3 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	1.60 mW/g	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Hands/Feet/Ankle/Wrist)	4.00 mW/g	20.00 mW/g

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation).



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1.4 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

1.5 Test Engineer

Test Engineer: Jim Wang

1.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6606.01.

• **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189



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2 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	



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3 SAR Measurements System Configuration

3.1 The SAR Measurement System

This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation $SAR = \sigma (|E|^2) / \rho$ where σ and ρ are the conductivity and mass density of the tissue-Simulate.

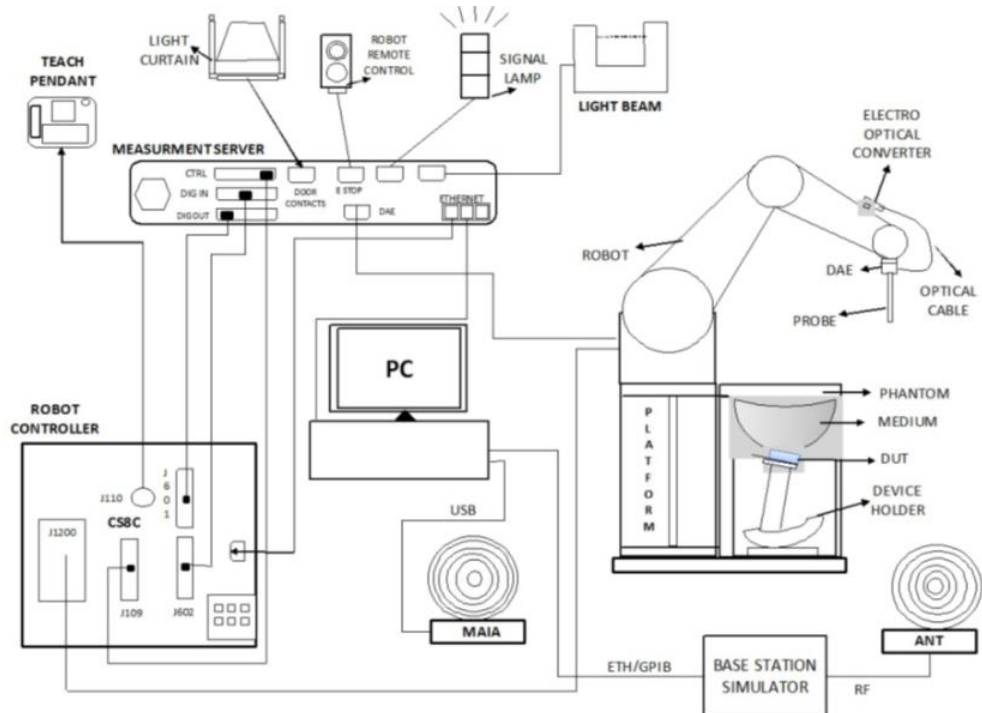
The DASY system for performing compliance tests consists of the following items:

A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software. An arm extension for accommodation the data acquisition electronics (DAE).

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.

A data acquisition electronics (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.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



F-1. SAR Measurement System Configuration

- The function of the measurement server is to perform the time critical tasks such as signal filtering,

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control of the robot operation and fast movement interrupts.

- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows system.
- DASY software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.



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3.2 Isotropic E-field Probe EX3DV4

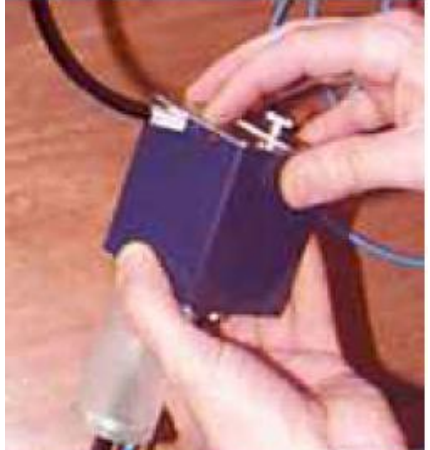
	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	4 MHz - 10 GHz Linearity: ± 0.2 dB (30 MHz - 10 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g - 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 337 mm (Tip: 9 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 10 GHz with precision of better 30%.
Compatibility	DASY52 SAR and higher, EASY4/MRI



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3.3 Data Acquisition Electronics (DAE)

Model	DAE	
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.	
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)	
Input Offset Voltage	< 5µV (with auto zero)	
Input Bias Current	< 50 f A	
Dimensions	60 x 60 x 68 mm	

3.4 SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)	
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)	
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)	
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet	
Filling Volume	approx.. 25 liters	
Wooden Support	SPEAG standard phantom table	

The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.

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3.5 ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)	
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)	
Shell Thickness	2.0 ± 0.2 mm(bottom plate)	
Dimensions	Major axis: 600 mm Minor axis: 400 mm	
Filling Volume	approx.. 30 liters	
Wooden Support	SPEAG standard phantom table	

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 4 MHz to 10 GHz. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles. ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4 but has reinforced top structure.



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3.6 Device Holder for Transmitters



F-2. Device Holder for Transmitters

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity $\epsilon=3$ and loss tangent $\delta=0.02$. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

3.7 Measurement Procedure

3.7.1 Scanning procedure

Step 1: Power reference measurement

The "reference" and "drift" measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm. Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 32mm*32mm*30mm ($f \leq 2\text{GHz}$), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points ($f \leq 2\text{GHz}$), 7x7x7 points (f for 2-3GHz) and 7x7x12 points (f for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification). The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

If the zoom scan measured as specified in the preceding paragraphs complies with both i) and ii), or if the psSAR is below 0,1 W/kg, no additional measurements are needed.

i) The smallest horizontal distance from the local SAR peaks to all points 3 dB below the SAR peak shall be larger than the horizontal grid steps in both x- and y-directions (Δx , Δy). This shall be checked for the measured zoom scan plane conformal to the phantom at the distance zM1. The minimum distance shall be recorded in the SAR test report.

ii) The ratio of the SAR at the second measured point (M2) to the SAR at the closest measured point (M1) at the x-y location of the measured maximum SAR value shall be at least 30 %. This ratio (in %) shall be recorded in the SAR test report.



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		$\leq 3 \text{ GHz}$	$> 3 \text{ GHz}$
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface		$5 \pm 1 \text{ mm}$	$\frac{1}{2} \cdot \delta \cdot \ln(2) \pm 0.5 \text{ mm}$
Maximum probe angle from probe axis to phantom surface normal at the measurement location		$30^\circ \pm 1^\circ$	$20^\circ \pm 1^\circ$
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}		$\leq 2 \text{ GHz: } \leq 15 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 12 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 12 \text{ mm}$ $4 - 6 \text{ GHz: } \leq 10 \text{ mm}$
		When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom} , Δy_{Zoom}		$\leq 2 \text{ GHz: } \leq 8 \text{ mm}$ $2 - 3 \text{ GHz: } \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz: } \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz: } \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$	$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 4 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 3 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
	graded grid $\Delta z_{Zoom}(1)$: between 1 st two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz: } \leq 3 \text{ mm}$ $4 - 5 \text{ GHz: } \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz: } \leq 2 \text{ mm}$
	$\Delta z_{Zoom}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z	$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz: } \geq 28 \text{ mm}$ $4 - 5 \text{ GHz: } \geq 25 \text{ mm}$ $5 - 6 \text{ GHz: } \geq 22 \text{ mm}$

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max $\pm 5 \%$.



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3.7.2 Data storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension "DAE". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

3.7.3 Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters:	- Sensitivity	Normi, ai0, ai1, ai2
- Conversion factor	ConvFi	
- Diode compression point	Dcpi	
Device parameters:	- Frequency	f
- Crest factor	cf	
Media parameters:	- Conductivity	ε
- Density	ρ	

These parameters must be set correctly in the software. They can be found in the component documents, or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcp_i$$

With V_i = compensated signal of channel I (I = x, y, z)

U_i = input signal of channel I (I = x, y, z)

cf = crest factor of exciting field (DASY parameter)

dcp I = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$



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H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1}f + a_{i2}f^2) / f$$

With V_i = compensated signal of channel i ($i = x, y, z$)

Normi = sensor sensitivity of channel i ($i = x, y, z$)

[mV/(V/m)²] for E-field Probes

ConvF = sensitivity enhancement in solution

a_{ij} = sensor sensitivity factors for H-field probes

f = carrier frequency [GHz]

E_i = electric field strength of channel i in V/m

H_i = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (E_{tot}^2 \cdot \sigma) / (\epsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g

E_{tot} = total field strength in V/m

σ = conductivity in [mho/m] or [Siemens/m]

ϵ = equivalent tissue density in g/cm³

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}^2 / 3770 \text{ or } P_{pwe} = H_{tot}^2 \cdot 37.7$$

with P_{pwe} = equivalent power density of a plane wave in mW/cm²

E_{tot} = total electric field strength in V/m

H_{tot} = total magnetic field strength in A/m



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4 SAR measurement variability and uncertainty

4.1 SAR measurement variability

Per KDB 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The 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.

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only 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 ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

4.2 SAR measurement uncertainty

Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.



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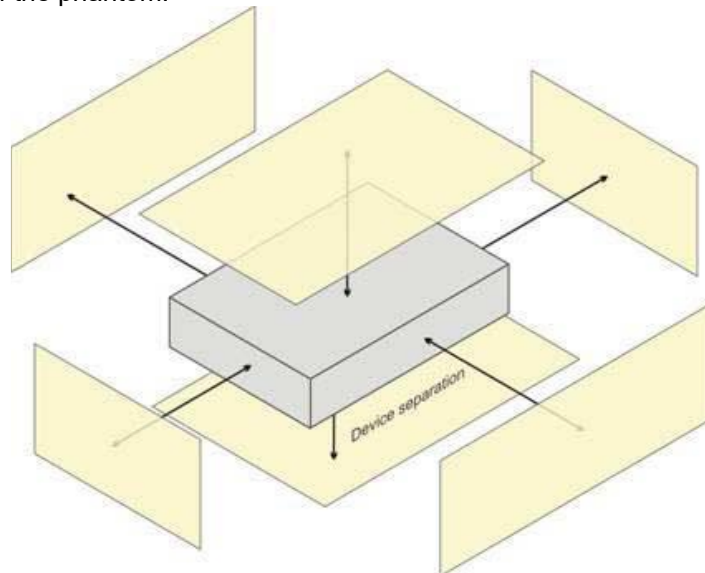
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5 Description of Test Position

5.1 Generic device

The SAR evaluation shall be performed for all surfaces of the DUT that are accessible during intended use, as indicated in the below Figure. The separation distance in testing shall correspond to the intended use distance as specified in the user instructions provided by the manufacturer. If the intended use is not specified, all surfaces of the DUT shall be tested directly against the flat phantom. The surface of the generic device (or the surface of the carry accessory holding the DUT) pointing towards the flat phantom shall be parallel to the surface of the phantom.

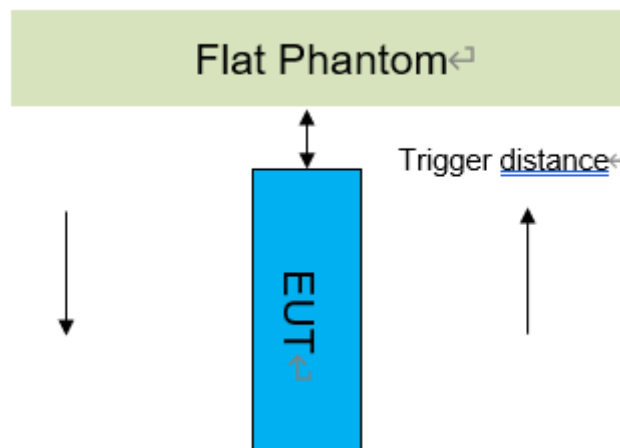


a) Test positions for a generic device

5.2 Proximity Sensor Triggering Test

5.2.1 Proximity sensor triggering distances

The Proximity sensor triggering was applied to the below table list antenna. Proximity sensor triggering distance testing was performed according to the procedures outlined in KDB 616217 D04 section 6.2, and EUT moving further away from the flat phantom and EUT moving toward the flat phantom were both assessed.



Proximity Sensor Triggering Distance(mm) Front view	
Band	LTE Band 2/4/25/38/41/66
Position	Front Side 11mm Back Side 30mm Left Side 18mm Right Side 8mm Bottom Side 26mm

Note:

SAR tests with proximity sensor power reduction are only required for the sides of frequency bands in the table above. For the other sides or other frequency bands of the device, SAR is still tested at the maximum power level with sensor off.



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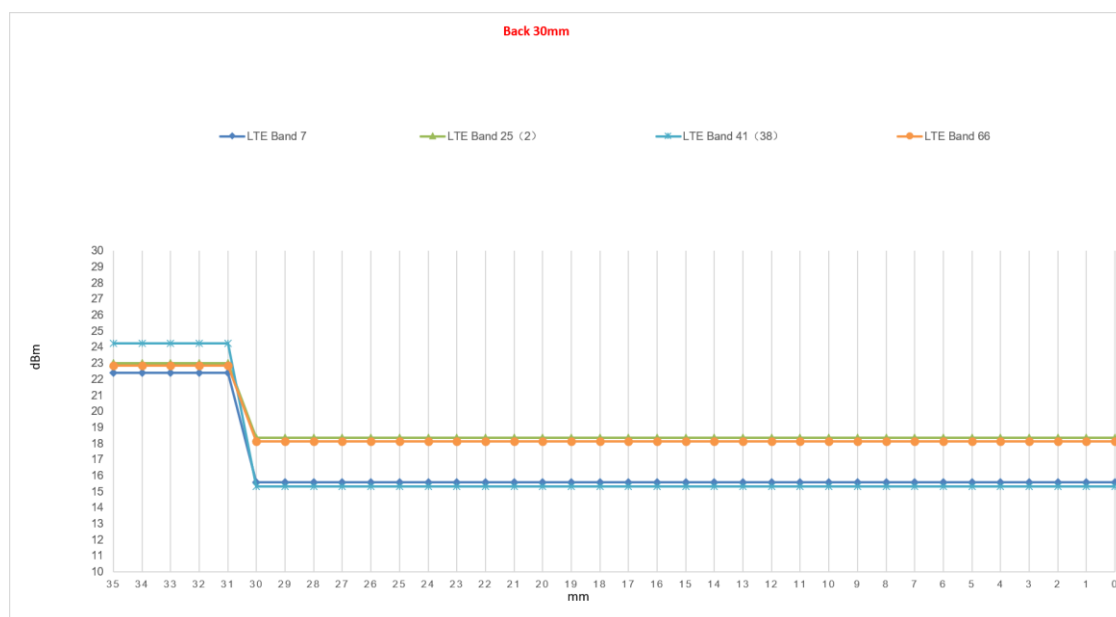
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● DUT Moving Toward(Trigger)the Phantom



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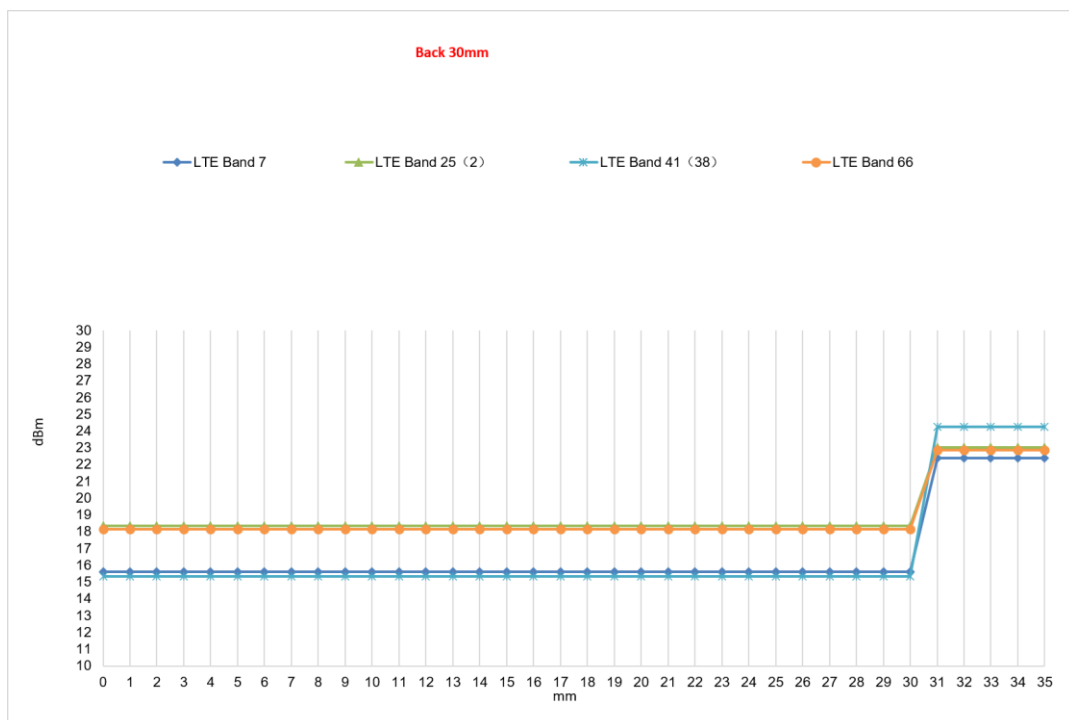
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● DUT Moving Away(Release) from the Phantom



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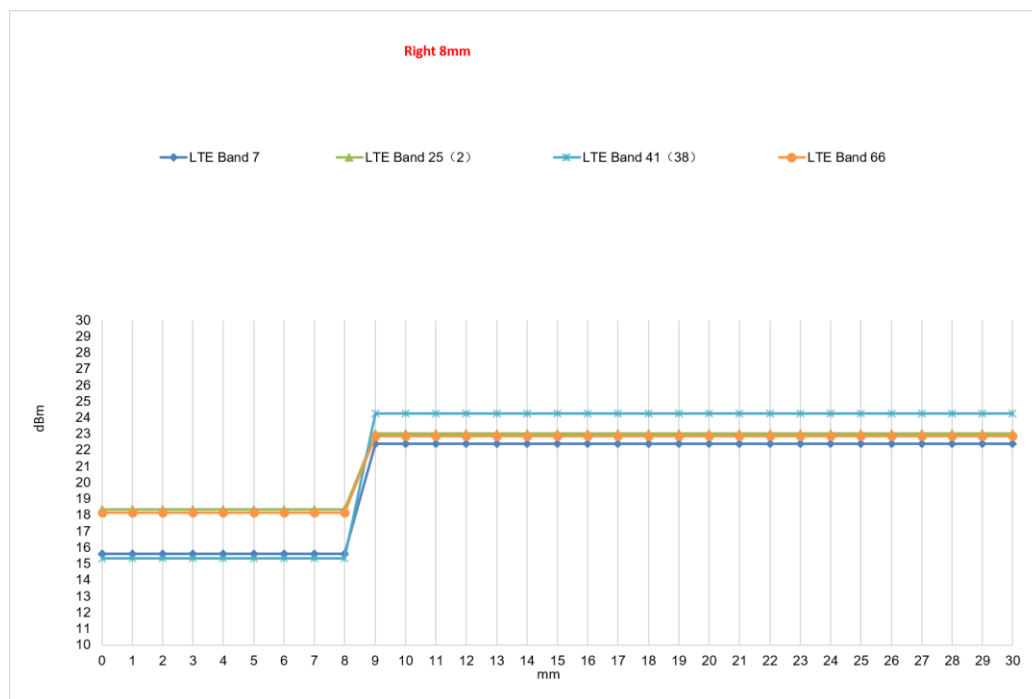
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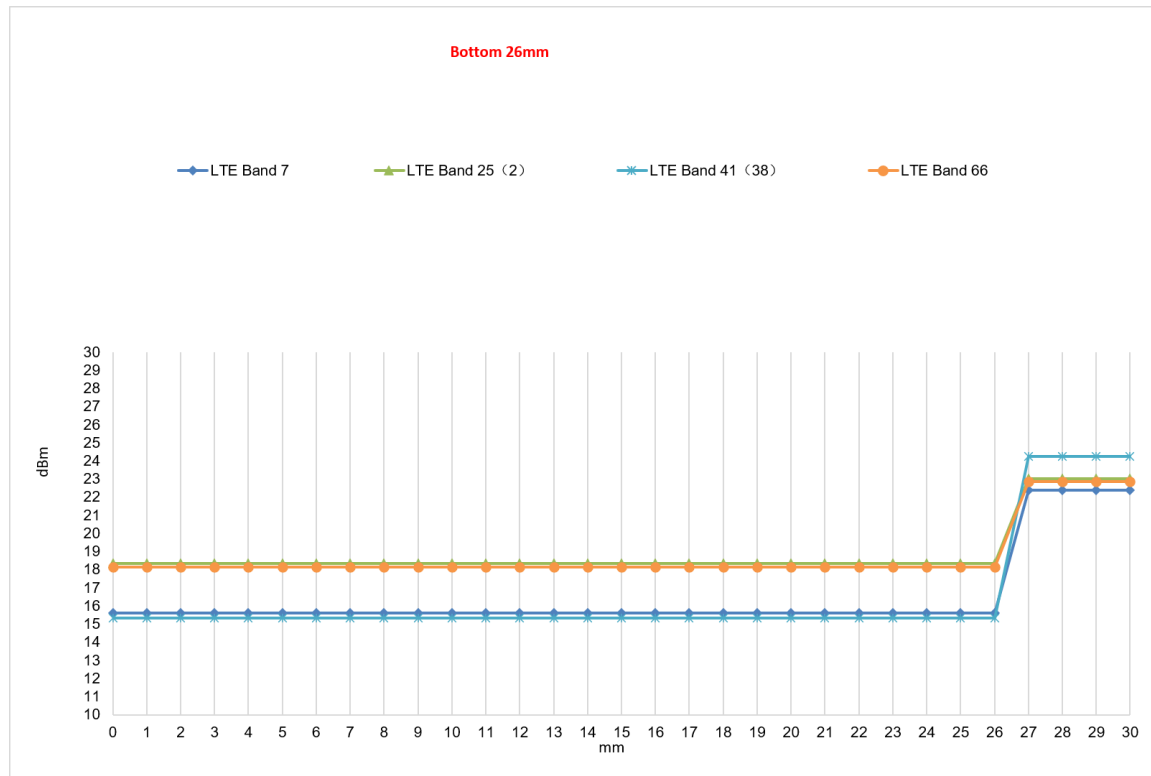
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5.2.2 Proximity sensor coverage

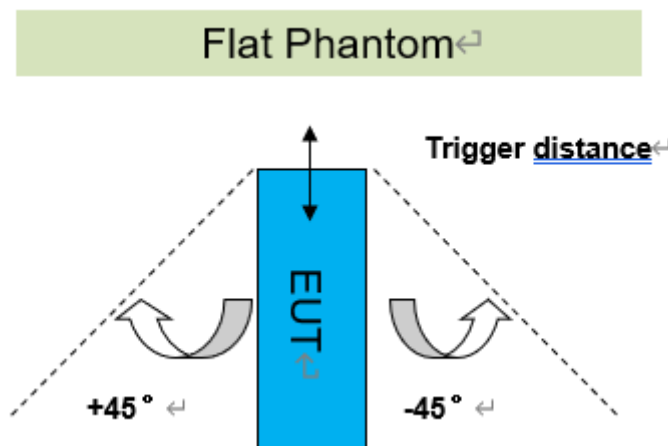
If a sensor is spatially offset from the antenna(s), it is necessary to verify sensor triggering for conditions where the antenna is next to the user, but the sensor is laterally further away to ensure sensor coverage is sufficient for reducing the power to maintain compliance. For p-sensor coverage testing, the device is moved and “along the direction of maximum antenna and sensor offset”.

The proximity sensor and main antenna use same metallic electrode, so there is no spatial offset.

5.2.3 Device tilt angle influences on proximity sensor triggering

The influence of device tilt angles to proximity sensor triggering was determined by positioning each tablet edge that contains a transmitting antenna, perpendicular to the flat phantom.

Rotating the tablet around the edge next to the phantom in $\leq 10^\circ$ increments until the tablet is $\pm 45^\circ$ from the vertical position at 0° , and the maximum output power remains in the reduced mode.



Summary of Tablet Tilt Angle Influence on Proximity Sensor Triggering for Edge Side													
Band (MHz)	Minimum trigger distance Per KDB616217\$6.2	Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$	Power Reduction Status										
			-45°	-35°	-25°	-15°	-5°	0°	5°	15°	25°	35°	45°
LTE Band 2/4/25/38/41/66	Left Side 18mm Right Side 8mm Bottom Side 26mm	Left Side 18mm Right Side 8mm Bottom Side 26mm	on	on	on	on	on	on	on	on	on	on	on



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6 SAR System Verification Procedure

6.1 Tissue Simulate Liquid

6.1.1 Recipes for Tissue Simulate Liquid

The following tables give the recipes for tissue simulating liquids to be used in different frequency bands:

Ingredients (% by weight)	Frequency (MHz)				
	450	700-1000	1700-2000	2300-2500	2500-2700
Water	38.56	40.30	55.24	55.00	54.92
Salt (NaCl)	3.95	1.38	0.31	0.2	0.23
Sucrose	56.32	57.90	0	0	0
HEC	0.98	0.24	0	0	0
Bactericide	0.19	0.18	0	0	0
Tween	0	0	44.45	44.80	44.85
Salt: 99+% Pure Sodium Chloride Water: De-ionized, 16 MQ+ resistivity Tween: Polyoxyethylene (20) sorbitan monolaurate Sucrose: 98+% Pure Sucrose HEC: Hydroxyethyl Cellulose					
Head Tissue Simulate Liquid (HBBL600-10000V6) is composed of the following ingredients: (Manufactured by SPEAG) Water: 50-65% Mineral oil: 10-30% Emulsifiers: 8-25% Sodium salt: 0-1.5%					

Table 1 : Recipe of Tissue Simulate Liquid



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6.1.2 Measurement for Tissue Simulate Liquid

The Conductivity (σ) and Permittivity (ϵ_r) are listed in Table 2. For the SAR measurement given in this report.

The temperature variation of the Tissue Simulate Liquids was $22 \pm 2^\circ\text{C}$.

Measurement for Tissue Simulate Liquid for System check									
Tissue Type	Measured Frequency (MHz)	Measured Tissue		Target Tissue ($\pm 5\%$)		Deviation (Within $\pm 5\%$)		Liquid Temp. ($^\circ\text{C}$)	Test Date
		ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$	ϵ_r	$\sigma(\text{S/m})$		
750 Head	750	42.795	0.888	41.90	0.89	2.14%	-0.22%	21.8	2026/7/25
835 Head	835	42.437	0.938	41.50	0.90	2.26%	4.22%	22.2	2026/7/27
1750 Head	1750	40.618	1.391	40.10	1.37	1.29%	1.53%	22.2	2026/7/28
1950 Head	1950	40.256	1.434	40.00	1.40	0.64%	2.43%	22.1	2026/7/26
2450 Head	2450	39.776	1.747	39.20	1.80	1.47%	-2.94%	22.1	2026/7/24
2600 Head	2600	39.997	1.971	39.00	1.96	2.56%	0.56%	21.7	2026/7/24

Table 2 : Measurement result of Tissue electric parameters



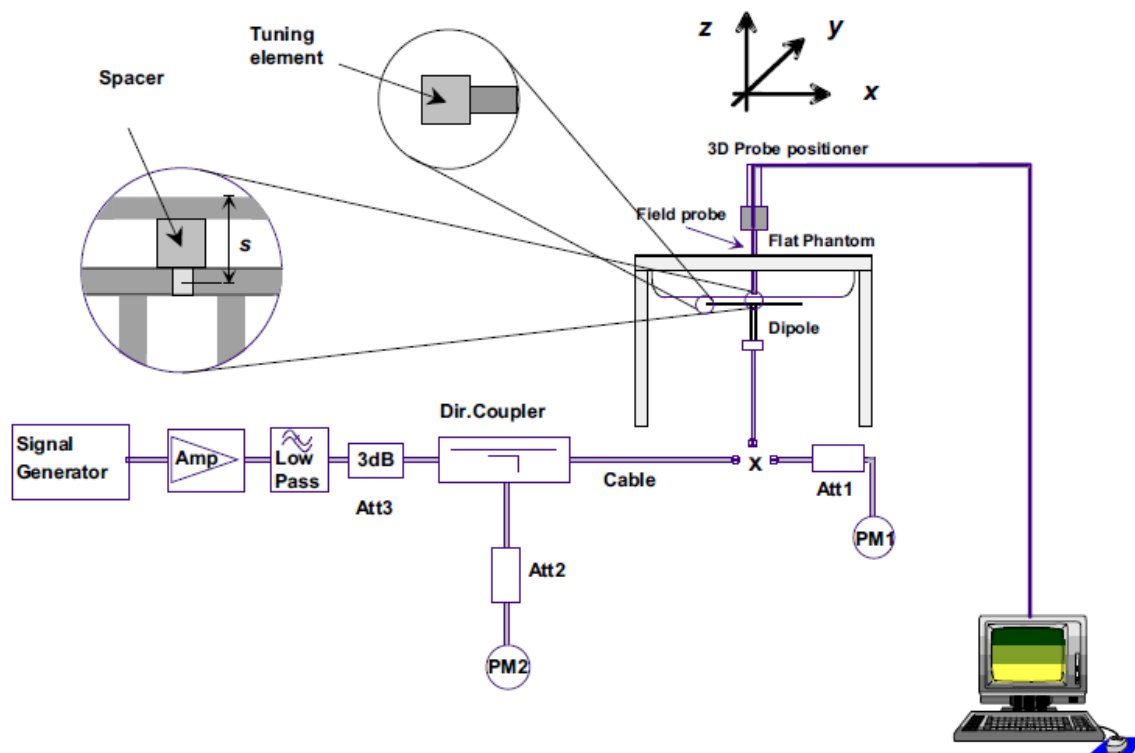
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6.2 SAR System Check

The microwave circuit arrangement for system Check is sketched in F-12. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within $\pm 10\%$ from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table (A power level of 250mW (below 3GHz) or 100mW (3GHz or higher) was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range $22\pm 2^\circ\text{C}$, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above $15\pm 0.5\text{ cm}$ in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



F-12. The microwave circuit arrangement used for SAR system Check

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6.2.1 Justification for Extended SAR Dipole Calibrations

1) Instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

- a) There is no physical damage on the dipole;
- b) System check with specific dipole is within 10% of calibrated value;
- c) Return-loss is within 20% of calibrated measurement;
- d) Impedance is within 5Ω from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.



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6.2.2 Summary System Check Result(s)

Validation Kit	Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W)	Target SAR (normalized to 1W)	Deviation (Within ±10%)		Liquid Temp. (°C)	Test Date
	1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)	1-g(W/kg)	10- g(W/kg)		
D750V3_Head	2.13	1.41	8.52	5.64	8.42	5.49	1.19%	2.73%	21.8	2026/7/25
D835V2_Head	2.58	1.67	10.32	6.68	9.52	6.14	8.40%	8.79%	22.2	2026/7/27
D1750V2_Head	9.29	4.94	37.16	19.76	36.20	19.10	2.65%	3.46%	22.2	2026/7/28
D1950V3_Head	11.10	5.65	44.40	22.60	41.90	21.30	5.97%	6.10%	22.1	2026/7/26
D2450V2_Head	12.70	6.13	50.80	24.52	52.70	24.30	-3.61%	0.91%	22.1	2026/7/24
D2600V2_Head	13.20	5.88	52.80	23.52	55.30	24.70	-4.52%	-4.78%	21.7	2026/7/24

Table 3 : SAR System Check Result

6.2.3 Detailed System Check Results

Please see the Appendix A



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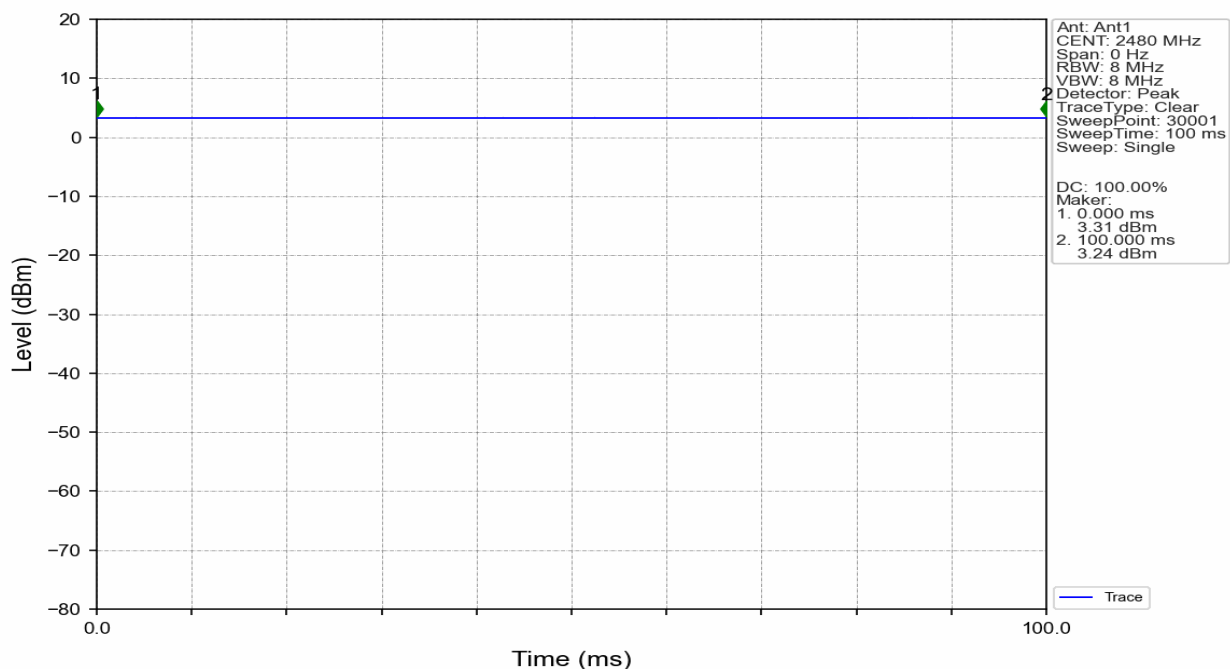
7 Test Configuration

7.1 Operation Configurations

7.1.1 BT Test Configuration

For the Bluetooth SAR tests, a communication link is set up with the test mode software for BT mode test. Bluetooth USES frequency hopping technology to divide the transmitted data into packets and transmit the packets respectively through 79 designated Bluetooth channels, frequency hops at 1600 hops/second per the Bluetooth standard, the EUT is operated at the RF continuous emission mode.

BT DH5 Duty Cycle=100.00%



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7.1.2 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The Radio Communication Analyzer was used for LTE output power measurements and SAR testing. Max power control was used so the UE transmits with maximum output power during SAR testing. SAR must be measured with the maximum TTI (transmit time interval) supported by the device in each LTE configuration.

TDD LTE test consideration

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

SAR was tested with the highest transmission duty factor (63.33%) using Uplink-downlink configuration 0 and Special subframe configuration 7.

LTE TDD Band support 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations and Table 4.2-1 for Special subframe configurations.

Frame structure type 2:

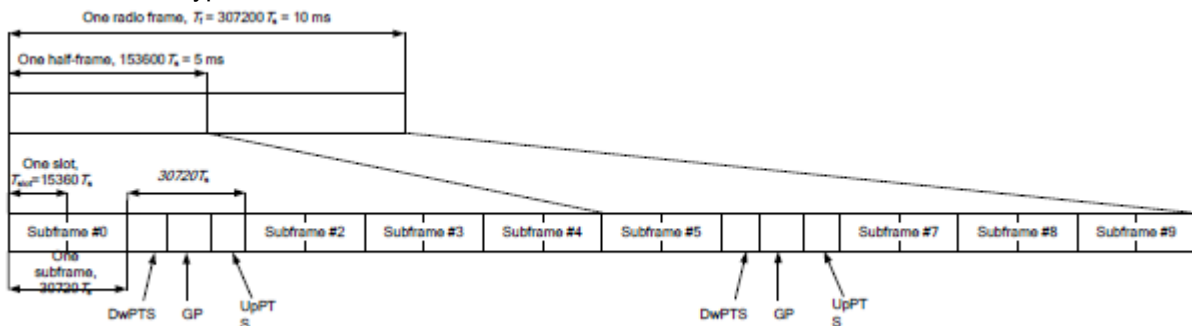


Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe 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.Ts	2192.Ts	2560.Ts	7680.Ts	2192.Ts	2560.Ts
1	19760.Ts			20480.Ts		
2	21952.Ts			23040.Ts		
3	24144.Ts			25600.Ts		
4	26336.Ts			7680.Ts	4384.Ts	5120.Ts
5	6592.Ts	4384.Ts	5120.Ts	20480.Ts		

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6	19760.Ts		23040.Ts		
7	21952.Ts		25600.Ts		
8	24144.Ts		-	-	-
9	13168.Ts		-	-	-

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Calculated Duty Cycle=[Extended cyclic prefix in uplink x (Ts) x # of S + # of U]/10ms

Uplink-Downlink Configuration	Downlink-to-Uplink Switch-point Periodicity	Subframe Number										Calculated Duty Cycle (%)
		0	1	2	3	4	5	6	7	8	9	
0	5 ms	D	S	U	U	U	D	S	U	U	U	63.33
1	5 ms	D	S	U	U	D	D	S	U	U	D	43.33
2	5 ms	D	S	U	D	D	D	S	U	D	D	23.33
3	10 ms	D	S	U	U	U	D	D	D	D	D	31.67
4	10 ms	D	S	U	U	D	D	D	D	D	D	21.67
5	10 ms	D	S	U	D	D	D	D	D	D	D	11.67
6	5 ms	D	S	U	U	U	D	S	U	U	D	53.33

A) Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

B) MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

Modulation	Channel bandwidth/Transmission bandwidth						MPR (dB)
	1.4 MHz	3 MHz	5 MHz	10 MHz	15 MHz	20 MHz	



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QPSK	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	0
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	1
16QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	1
16QAM	> 5	> 4	> 8	> 12	> 16	> 18	2
64QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	2
64QAM	> 5	> 4	> 8	> 12	> 16	> 18	3
256QAM	≥ 1						5

C) A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

D) Largest channel bandwidth standalone SAR test requirements

1) QPSK with 1 RB allocation

Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

3) QPSK with 100% RB allocation

For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

4) Higher order modulations

For each modulation besides QPSK; e.g., 16-QAM, 64-QAM, apply the QPSK procedures in above sections to determine the QAM configurations that may need SAR measurement. For each configuration identified as required for testing, SAR is required only when the highest maximum output power for the configuration in the higher order modulation is $> \frac{1}{2}$ dB higher than the same configuration in QPSK or when the reported SAR for the QPSK configuration is > 1.45 W/kg.

E) Other channel bandwidth standalone SAR test requirements

For the other channel bandwidths used by the device in a frequency band, apply all the procedures required for the largest channel bandwidth in section A) to determine the channels and RB configurations that need SAR testing and only measure SAR when the highest maximum output power of a configuration requiring testing in the smaller channel bandwidth is $> \frac{1}{2}$ dB higher than the equivalent channel configurations in the largest channel bandwidth configuration or the reported SAR of a configuration for the largest channel bandwidth is > 1.45 W/kg.



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8 Test Result

8.1 DUT Antenna Locations (Back View)

The DUT Antenna Locations can be referred to Appendix D



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8.2 Measurement of RF Conducted Power

8.2.1 RF Conducted Power Data

The detailed power data can be referred to Appendix E Conducted RF Output Power.



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8.3 Measurement of SAR Data

Note:

- 1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
- 2) Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.



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8.3.1 SAR Result of LTE Band 7

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB) Sensor on												
Front side	20	QPSK 1_0	20850/2510	1:1	0.018	0.010	0.18	15.60	16.00	1.096	0.020	22.2
Back side	20	QPSK 1_0	20850/2510	1:1	0.289	0.134	-0.19	15.60	16.00	1.096	0.317	22.2
Left side	20	QPSK 1_0	20850/2510	1:1	0.038	0.016	0.19	15.60	16.00	1.096	0.042	22.2
Right side	20	QPSK 1_0	20850/2510	1:1	0.155	0.078	-0.10	15.60	16.00	1.096	0.170	22.2
Bottom side	20	QPSK 1_0	20850/2510	1:1	0.865	0.345	0.11	15.60	16.00	1.096	0.948	22.2
Bottom side	20	QPSK 1_0	21100/2535	1:1	0.888	0.355	-0.04	15.59	16.00	1.099	0.976	22.2
Bottom side	20	QPSK 1_50	21350/2560	1:1	1.000	0.385	0.19	15.56	16.00	1.107	1.107	22.2
Bottom side Repeated	20	QPSK 1_50	21350/2560	1:1	0.960	0.361	0.02	15.56	16.00	1.107	1.063	22.2
Bottom side Battery 2#	20	QPSK 1_50	21350/2560	1:1	0.970	0.377	0.03	15.56	16.00	1.107	1.074	22.2
Body Test data (Separate 5mm 50%RB) Sensor on												
Front side	20	QPSK 50_25	21350/2560	1:1	0.016	0.008	0.09	15.62	16.00	1.091	0.017	22.2
Back side	20	QPSK 50_25	21350/2560	1:1	0.354	0.156	0.10	15.62	16.00	1.091	0.386	22.2
Left side	20	QPSK 50_25	21350/2560	1:1	0.043	0.018	0.02	15.62	16.00	1.091	0.047	22.2
Right side	20	QPSK 50_25	21350/2560	1:1	0.192	0.101	-0.06	15.62	16.00	1.091	0.209	22.2
Bottom side	20	QPSK 50_25	21350/2560	1:1	0.980	0.381	0.16	15.62	16.00	1.091	1.069	22.2
Bottom side	20	QPSK 50_25	20850/2510	1:1	0.972	0.376	0.02	15.58	16.00	1.102	1.071	22.2
Bottom side	20	QPSK 50_25	21100/2535	1:1	0.970	0.371	-0.04	15.61	16.00	1.094	1.061	22.2
Body Test data (Separate 5mm 100%RB) Sensor on												
Bottom side	20	QPSK 100_0	21100/2535	1:1	0.966	0.367	0.03	15.56	16.00	1.107	1.069	22.2
Body Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1_0	21100/2535	1:1	0.050	0.025	0.01	22.40	23.00	1.148	0.057	22.2
Back side 29mm	20	QPSK 1_0	21100/2535	1:1	0.100	0.057	-0.05	22.40	23.00	1.148	0.115	22.2
Left side 17mm	20	QPSK 1_0	21100/2535	1:1	0.033	0.016	-0.05	22.40	23.00	1.148	0.038	22.2
Right side 7mm	20	QPSK 1_0	21100/2535	1:1	0.676	0.349	-0.16	22.40	23.00	1.148	0.776	22.2
Top side 5mm	20	QPSK 1_0	21100/2535	1:1	0.166	0.082	0.14	22.40	23.00	1.148	0.191	22.2
Bottom side 25mm	20	QPSK 1_0	21100/2535	1:1	0.093	0.049	0.13	22.40	23.00	1.148	0.107	22.2
Body Test data (50%RB) Sensor off												
Front side	20	QPSK	21350/2560	1:1	0.076	0.038	-0.01	21.59	22.00	1.099	0.084	22.2



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10mm		50_25										
Back side 29mm	20	QPSK 50_25	21350/2560	1:1	0.083	0.047	-0.10	21.59	22.00	1.099	0.091	22.2
Left side 17mm	20	QPSK 50_25	21350/2560	1:1	0.028	0.013	0.02	21.59	22.00	1.099	0.031	22.2
Right side 7mm	20	QPSK 50_25	21350/2560	1:1	0.572	0.294	0.06	21.59	22.00	1.099	0.629	22.2
Top side 5mm	20	QPSK 50_25	21350/2560	1:1	0.149	0.072	-0.09	21.59	22.00	1.099	0.164	22.2
Bottom side 25mm	20	QPSK 50_25	21350/2560	1:1	0.122	0.063	-0.04	21.59	22.00	1.099	0.134	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB) Sensor on												
Front side	20	QPSK 1_0	20850/2510	1:1	0.042	0.030	-0.12	15.60	16.00	1.096	0.033	22.2
Back side	20	QPSK 1_0	20850/2510	1:1	1.200	0.549	0.15	15.60	16.00	1.096	0.602	22.2
Left side	20	QPSK 1_0	20850/2510	1:1	0.500	0.203	0.12	15.60	16.00	1.096	0.222	22.2
Right side	20	QPSK 1_0	20850/2510	1:1	0.594	0.237	0.12	15.60	16.00	1.096	0.260	22.2
Bottom side	20	QPSK 1_0	20850/2510	1:1	3.410	1.110	0.03	15.60	16.00	1.096	1.217	22.2
Bottom side	20	QPSK 1_0	21100/2535	1:1	3.230	1.090	0.02	15.59	16.00	1.099	1.198	22.2
Bottom side	20	QPSK 1_50	21350/2560	1:1	3.440	1.150	-0.16	15.56	16.00	1.107	1.273	22.2
Bottom side Battery 2#	20	QPSK 1_50	21350/2560	1:1	3.310	1.070	0.03	15.56	16.00	1.107	1.184	22.2
Extremity Test data (Separate 0mm 50%RB) Sensor on												
Front side	20	QPSK 50_25	21350/2560	1:1	0.038	0.028	0.17	15.62	16.00	1.091	0.031	22.2
Back side	20	QPSK 50_25	21350/2560	1:1	1.510	0.657	-0.09	15.62	16.00	1.091	0.717	22.2
Left side	20	QPSK 50_25	21350/2560	1:1	0.439	0.196	-0.09	15.62	16.00	1.091	0.214	22.2
Right side	20	QPSK 50_25	21350/2560	1:1	0.804	0.317	-0.10	15.62	16.00	1.091	0.346	22.2
Bottom side	20	QPSK 50_25	21350/2560	1:1	3.390	1.110	-0.18	15.62	16.00	1.091	1.211	22.2
Extremity Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1_0	21100/2535	1:1	0.050	0.025	-0.16	22.40	23.00	1.148	0.029	22.2
Back side 29mm	20	QPSK 1_0	21100/2535	1:1	0.100	0.057	0.10	22.40	23.00	1.148	0.065	22.2
Left side 17mm	20	QPSK 1_0	21100/2535	1:1	0.033	0.016	-0.17	22.40	23.00	1.148	0.018	22.2
Right side 7mm	20	QPSK 1_0	21100/2535	1:1	0.676	0.349	-0.19	22.40	23.00	1.148	0.401	22.2
Top side 0mm	20	QPSK 1_0	21100/2535	1:1	0.501	0.211	-0.10	22.40	23.00	1.148	0.242	22.2
Bottom side 25mm	20	QPSK 1_0	21100/2535	1:1	0.093	0.049	-0.14	22.40	23.00	1.148	0.056	22.2
Extremity Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50_25	21350/2560	1:1	0.076	0.038	-0.11	21.59	22.00	1.099	0.042	22.2
Back side 29mm	20	QPSK 50_25	21350/2560	1:1	0.083	0.047	0.08	21.59	22.00	1.099	0.052	22.2



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Left side 17mm	20	QPSK 50_25	21350/2560	1:1	0.028	0.013	0.01	21.59	22.00	1.099	0.014	22.2
Right side 7mm	20	QPSK 50_25	21350/2560	1:1	0.572	0.294	0.19	21.59	22.00	1.099	0.323	22.2
Top side 0mm	20	QPSK 50_25	21350/2560	1:1	0.381	0.163	0.14	21.59	22.00	1.099	0.179	22.2
Bottom side 25mm	20	QPSK 50_25	21350/2560	1:1	0.122	0.063	0.01	21.59	22.00	1.099	0.069	22.2

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Bottom side 5mm	21350/2560	1.000	0.960	1.042	N/A	N/A

Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).
 3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .
 4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg
 5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.



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8.3.2 SAR Result of LTE Band 12

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB)												
Front side	10	QPSK 1_25	23095/707.5	1:1	0.064	0.031	0.18	22.46	23.50	1.271	0.081	21.8
Back side	10	QPSK 1_25	23095/707.5	1:1	0.310	0.178	-0.19	22.46	23.50	1.271	0.394	21.8
Left side	10	QPSK 1_25	23095/707.5	1:1	0.386	0.153	0.17	22.46	23.50	1.271	0.491	21.8
Right side	10	QPSK 1_25	23095/707.5	1:1	0.169	0.085	-0.09	22.46	23.50	1.271	0.215	21.8
Top side	10	QPSK 1_25	23095/707.5	1:1	0.132	0.066	0.05	22.46	23.50	1.271	0.168	21.8
Bottom side	10	QPSK 1_25	23095/707.5	1:1	0.213	0.087	-0.13	22.46	23.50	1.271	0.271	21.8
Left side Battery 2#	10	QPSK 1_25	23095/707.5	1:1	0.378	0.143	0.02	22.46	23.50	1.271	0.480	21.8
Body Test data (Separate 5mm 50%RB)												
Front side	10	QPSK 25_0	23095/707.5	1:1	0.056	0.027	-0.04	21.50	22.00	1.122	0.063	21.8
Back side	10	QPSK 25_0	23095/707.5	1:1	0.310	0.180	-0.10	21.50	22.00	1.122	0.348	21.8
Left side	10	QPSK 25_0	23095/707.5	1:1	0.376	0.126	-0.05	21.50	22.00	1.122	0.422	21.8
Right side	10	QPSK 25_0	23095/707.5	1:1	0.157	0.080	0.14	21.50	22.00	1.122	0.176	21.8
Top side	10	QPSK 25_0	23095/707.5	1:1	0.111	0.054	0.16	21.50	22.00	1.122	0.125	21.8
Bottom side	10	QPSK 25_0	23095/707.5	1:1	0.210	0.087	-0.13	21.50	22.00	1.122	0.236	21.8
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB)												
Front side	10	QPSK 1_25	23095/707.5	1:1	0.185	0.095	-0.04	22.46	23.50	1.271	0.121	21.8
Back side	10	QPSK 1_25	23095/707.5	1:1	2.360	0.922	0.06	22.46	23.50	1.271	1.172	21.8
Left side	10	QPSK 1_25	23095/707.5	1:1	4.260	1.250	-0.11	22.46	23.50	1.271	1.589	21.8
Right side	10	QPSK 1_25	23095/707.5	1:1	0.441	0.141	0.16	22.46	23.50	1.271	0.179	21.8
Top side	10	QPSK 1_25	23095/707.5	1:1	0.373	0.131	-0.14	22.46	23.50	1.271	0.167	21.8
Bottom side	10	QPSK 1_25	23095/707.5	1:1	2.510	0.941	-0.13	22.46	23.50	1.271	1.196	21.8
Left side Battery 2#	10	QPSK 1_25	23095/707.5	1:1	4.110	1.190	0.03	22.46	23.50	1.271	1.512	21.8
Extremity Test data (Separate 0mm 50%RB)												
Front side	10	QPSK 25_0	23095/707.5	1:1	0.160	0.079	-0.12	21.50	22.00	1.122	0.089	21.8
Back side	10	QPSK	23095/707.5	1:1	2.030	0.851	0.06	21.50	22.00	1.122	0.955	21.8



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		25_0										
Left side	10	QPSK 25_0	23095/707.5	1:1	3.830	1.110	0.01	21.50	22.00	1.122	1.245	21.8
Right side	10	QPSK 25_0	23095/707.5	1:1	0.258	0.117	0.01	21.50	22.00	1.122	0.131	21.8
Top side	10	QPSK 25_0	23095/707.5	1:1	0.332	0.114	0.02	21.50	22.00	1.122	0.128	21.8
Bottom side	10	QPSK 25_0	23095/707.5	1:1	1.830	0.737	-0.03	21.50	22.00	1.122	0.827	21.8



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8.3.3 SAR Result of LTE Band 13

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB)												
Front side	10	QPSK 1_25	23230/782	1:1	0.043	0.022	0.02	22.38	23.00	1.153	0.050	21.8
Back side	10	QPSK 1_25	23230/782	1:1	0.232	0.136	0.05	22.38	23.00	1.153	0.267	21.8
Left side	10	QPSK 1_25	23230/782	1:1	0.295	0.122	0.02	22.38	23.00	1.153	0.340	21.8
Right side	10	QPSK 1_25	23230/782	1:1	0.049	0.025	0.08	22.38	23.00	1.153	0.056	21.8
Top side	10	QPSK 1_25	23230/782	1:1	0.080	0.037	-0.14	22.38	23.00	1.153	0.092	21.8
Bottom side	10	QPSK 1_25	23230/782	1:1	0.114	0.055	-0.15	22.38	23.00	1.153	0.131	21.8
Left side Battery 2#	10	QPSK 1_25	23230/782	1:1	0.291	0.119	0.03	22.38	23.00	1.153	0.336	21.8
Body Test data (Separate 5mm 50%RB)												
Front side	10	QPSK 25_13	23230/782	1:1	0.036	0.018	0.07	21.39	22.00	1.151	0.041	21.8
Back side	10	QPSK 25_13	23230/782	1:1	0.223	0.133	-0.04	21.39	22.00	1.151	0.257	21.8
Left side	10	QPSK 25_13	23230/782	1:1	0.272	0.092	0.16	21.39	22.00	1.151	0.313	21.8
Right side	10	QPSK 25_13	23230/782	1:1	0.044	0.024	0.08	21.39	22.00	1.151	0.051	21.8
Top side	10	QPSK 25_13	23230/782	1:1	0.052	0.027	-0.07	21.39	22.00	1.151	0.060	21.8
Bottom side	10	QPSK 25_13	23230/782	1:1	0.105	0.046	0.18	21.39	22.00	1.151	0.121	21.8
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB)												
Front side	10	QPSK 1_25	23230/782	1:1	0.124	0.067	0.09	22.38	23.00	1.153	0.077	21.8
Back side	10	QPSK 1_25	23230/782	1:1	1.270	0.534	-0.18	22.38	23.00	1.153	0.616	21.8
Left side	10	QPSK 1_25	23230/782	1:1	2.380	0.737	-0.08	22.38	23.00	1.153	0.850	21.8
Right side	10	QPSK 1_25	23230/782	1:1	0.155	0.057	0.03	22.38	23.00	1.153	0.066	21.8
Top side	10	QPSK 1_25	23230/782	1:1	0.281	0.103	-0.17	22.38	23.00	1.153	0.119	21.8
Bottom side	10	QPSK 1_25	23230/782	1:1	1.140	0.493	-0.06	22.38	23.00	1.153	0.568	21.8
Left side Battery 2#	10	QPSK 1_25	23230/782	1:1	2.210	0.723	0.04	22.38	23.00	1.153	0.834	21.8
Extremity Test data (Separate 0mm 50%RB)												
Front side	10	QPSK 25_13	23230/782	1:1	0.106	0.059	0.12	21.39	22.00	1.151	0.068	21.8
Back side	10	QPSK	23230/782	1:1	1.410	0.575	0.05	21.39	22.00	1.151	0.662	21.8



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		25 13										
Left side	10	QPSK 25 13	23230/782	1:1	2.230	0.660	0.07	21.39	22.00	1.151	0.760	21.8
Right side	10	QPSK 25 13	23230/782	1:1	0.139	0.059	-0.11	21.39	22.00	1.151	0.068	21.8
Top side	10	QPSK 25 13	23230/782	1:1	0.178	0.072	0.00	21.39	22.00	1.151	0.083	21.8
Bottom side	10	QPSK 25 13	23230/782	1:1	1.160	0.501	0.10	21.39	22.00	1.151	0.577	21.8



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8.3.4 SAR Result of LTE Band 25

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB) Sensor on												
Front side	20	QPSK 1 50	26590/1905	1:1	0.029	0.016	0.12	18.36	20.00	1.459	0.042	22.1
Back side	20	QPSK 1 50	26590/1905	1:1	0.338	0.200	0.02	18.36	20.00	1.459	0.493	22.1
Left side	20	QPSK 1 50	26590/1905	1:1	0.105	0.051	0.04	18.36	20.00	1.459	0.153	22.1
Right side	20	QPSK 1 50	26590/1905	1:1	0.219	0.120	0.18	18.36	20.00	1.459	0.320	22.1
Bottom side	20	QPSK 1 50	26590/1905	1:1	0.493	0.206	0.03	18.36	20.00	1.459	0.719	22.1
Bottom side	20	QPSK 1 50	26140/1860	1:1	0.478	0.198	0.04	18.29	20.00	1.483	0.709	22.1
Bottom side	20	QPSK 1 50	26365/1882.5	1:1	0.471	0.191	0.19	18.35	20.00	1.462	0.689	22.1
Bottom side Battery 2#	20	QPSK 1 50	26590/1905	1:1	0.489	0.201	0.04	18.36	20.00	1.459	0.713	22.1
Body Test data (Separate 5mm 50%RB) Sensor on												
Front side	20	QPSK 50 0	26365/1882.5	1:1	0.027	0.014	0.07	18.33	20.00	1.469	0.040	22.1
Back side	20	QPSK 50 0	26365/1882.5	1:1	0.311	0.183	0.11	18.33	20.00	1.469	0.457	22.1
Left side	20	QPSK 50 0	26365/1882.5	1:1	0.097	0.047	0.17	18.33	20.00	1.469	0.142	22.1
Right side	20	QPSK 50 0	26365/1882.5	1:1	0.220	0.121	0.01	18.33	20.00	1.469	0.323	22.1
Bottom side	20	QPSK 50 0	26365/1882.5	1:1	0.414	0.188	0.12	18.33	20.00	1.469	0.608	22.1
Body Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1 50	26365/1882.5	1:1	0.039	0.020	-0.19	23.01	24.00	1.256	0.049	22.1
Back side 29mm	20	QPSK 1 50	26365/1882.5	1:1	0.067	0.044	0.13	23.01	24.00	1.256	0.084	22.1
Left side 17mm	20	QPSK 1 50	26365/1882.5	1:1	0.074	0.046	-0.19	23.01	24.00	1.256	0.093	22.1
Right side 7mm	20	QPSK 1 50	26365/1882.5	1:1	0.498	0.271	-0.11	23.01	24.00	1.256	0.625	22.1
Top side 5mm	20	QPSK 1 50	26365/1882.5	1:1	0.105	0.055	-0.12	23.01	24.00	1.256	0.132	22.1
Bottom side 25mm	20	QPSK 1 50	26365/1882.5	1:1	0.054	0.020	-0.05	23.01	24.00	1.256	0.068	22.1
Body Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50 0	26365/1882.5	1:1	0.032	0.016	-0.15	22.22	23.00	1.197	0.038	22.1
Back side 29mm	20	QPSK 50 0	26365/1882.5	1:1	0.052	0.034	0.08	22.22	23.00	1.197	0.062	22.1
Left side 17mm	20	QPSK 50 0	26365/1882.5	1:1	0.063	0.035	-0.05	22.22	23.00	1.197	0.075	22.1
Right side 7mm	20	QPSK 50 0	26365/1882.5	1:1	0.385	0.210	0.10	22.22	23.00	1.197	0.461	22.1
Top side	20	QPSK	26365/1882.5	1:1	0.082	0.044	0.14	22.22	23.00	1.197	0.098	22.1



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5mm		50_0										
Bottom side 25mm	20	QPSK 50_0	26365/1882.5	1:1	0.057	0.018	-0.03	22.22	23.00	1.197	0.068	22.1
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB) Sensor on												
Front side	20	QPSK 1_50	26590/1905	1:1	0.062	0.031	0.09	18.36	20.00	1.459	0.045	22.1
Back side	20	QPSK 1_50	26590/1905	1:1	0.813	0.408	0.06	18.36	20.00	1.459	0.595	22.1
Left side	20	QPSK 1_50	26590/1905	1:1	0.268	0.120	-0.09	18.36	20.00	1.459	0.175	22.1
Right side	20	QPSK 1_50	26590/1905	1:1	0.609	0.312	0.00	18.36	20.00	1.459	0.455	22.1
Bottom side	20	QPSK 1_50	26590/1905	1:1	1.970	0.807	0.03	18.36	20.00	1.459	1.177	22.1
Bottom side	20	QPSK 1_50	26140/1860	1:1	1.880	0.791	0.01	18.29	20.00	1.483	1.173	22.1
Bottom side	20	QPSK 1_50	26365/1882.5	1:1	1.810	0.791	0.02	18.35	20.00	1.462	1.156	22.1
Bottom side Battery 2#	20	QPSK 1_50	26590/1905	1:1	1.880	0.794	0.01	18.36	20.00	1.459	1.158	22.1
Extremity Test data (Separate 0mm 50%RB) Sensor on												
Front side	20	QPSK 50_0	26365/1882.5	1:1	0.048	0.024	-0.03	18.33	20.00	1.469	0.035	22.1
Back side	20	QPSK 50_0	26365/1882.5	1:1	0.883	0.400	-0.07	18.33	20.00	1.469	0.588	22.1
Left side	20	QPSK 50_0	26365/1882.5	1:1	0.261	0.118	-0.16	18.33	20.00	1.469	0.173	22.1
Right side	20	QPSK 50_0	26365/1882.5	1:1	0.629	0.327	0.09	18.33	20.00	1.469	0.480	22.1
Bottom side	20	QPSK 50_0	26365/1882.5	1:1	1.530	0.712	-0.03	18.33	20.00	1.469	1.046	22.1
Extremity Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1_50	26365/1882.5	1:1	0.043	0.022	0.00	23.01	24.00	1.256	0.028	22.1
Back side 29mm	20	QPSK 1_50	26365/1882.5	1:1	0.074	0.048	0.00	23.01	24.00	1.256	0.060	22.1
Left side 17mm	20	QPSK 1_50	26365/1882.5	1:1	0.081	0.050	0.18	23.01	24.00	1.256	0.063	22.1
Right side 7mm	20	QPSK 1_50	26365/1882.5	1:1	0.547	0.298	0.04	23.01	24.00	1.256	0.374	22.1
Top side 0mm	20	QPSK 1_50	26365/1882.5	1:1	0.241	0.127	0.05	23.01	24.00	1.256	0.160	22.1
Bottom side 25mm	20	QPSK 1_50	26365/1882.5	1:1	0.059	0.022	0.00	23.01	24.00	1.256	0.028	22.1
Extremity Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50_0	26365/1882.5	1:1	0.035	0.018	-0.11	22.22	23.00	1.197	0.022	22.1
Back side 29mm	20	QPSK 50_0	26365/1882.5	1:1	0.057	0.037	0.10	22.22	23.00	1.197	0.044	22.1
Left side 17mm	20	QPSK 50_0	26365/1882.5	1:1	0.069	0.039	0.12	22.22	23.00	1.197	0.047	22.1
Right side 7mm	20	QPSK 50_0	26365/1882.5	1:1	0.423	0.231	0.01	22.22	23.00	1.197	0.277	22.1
Top side	20	QPSK	26365/1882.5	1:1	0.184	0.096	0.18	22.22	23.00	1.197	0.115	22.1



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0mm		50_0											
Bottom side	20	QPSK	26365/1882.5	1:1	0.063	0.020	0.11	22.22	23.00	1.197	0.024	22.1	
25mm		50_0											



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8.3.5 SAR Result of LTE Band 26

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB)												
Front side	15	QPSK 1 74	26865/831.5	1:1	0.043	0.024	-0.19	22.21	23.00	1.199	0.052	22.2
Back side	15	QPSK 1 74	26865/831.5	1:1	0.379	0.216	0.02	22.21	23.00	1.199	0.454	22.2
Left side	15	QPSK 1 74	26865/831.5	1:1	0.285	0.122	0.00	22.21	23.00	1.199	0.342	22.2
Right side	15	QPSK 1 74	26865/831.5	1:1	0.049	0.022	-0.10	22.21	23.00	1.199	0.059	22.2
Top side	15	QPSK 1 74	26865/831.5	1:1	0.065	0.038	0.07	22.21	23.00	1.199	0.078	22.2
Bottom side	15	QPSK 1 74	26865/831.5	1:1	0.166	0.081	0.05	22.21	23.00	1.199	0.199	22.2
Body Test data (Separate 5mm 50%RB)												
Front side	15	QPSK 36 18	26865/831.5	1:1	0.040	0.022	-0.11	21.91	22.00	1.021	0.041	22.2
Back side	15	QPSK 36 18	26865/831.5	1:1	0.395	0.232	0.01	21.91	22.00	1.021	0.403	22.2
Left side	15	QPSK 36 18	26865/831.5	1:1	0.511	0.229	-0.06	21.91	22.00	1.021	0.522	22.2
Right side	15	QPSK 36 18	26865/831.5	1:1	0.044	0.021	-0.11	21.91	22.00	1.021	0.045	22.2
Top side	15	QPSK 36 18	26865/831.5	1:1	0.046	0.025	-0.07	21.91	22.00	1.021	0.047	22.2
Bottom side	15	QPSK 36 18	26865/831.5	1:1	0.181	0.082	0.17	21.91	22.00	1.021	0.185	22.2
Left side Battery 2#	15	QPSK 36 18	26865/831.5	1:1	0.501	0.223	-0.04	21.91	22.00	1.021	0.512	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB)												
Front side	15	QPSK 1 74	26865/831.5	1:1	0.150	0.078	0.16	22.21	23.00	1.199	0.094	22.2
Back side	15	QPSK 1 74	26865/831.5	1:1	2.440	1.060	0.06	22.21	23.00	1.199	1.271	22.2
Left side	15	QPSK 1 74	26865/831.5	1:1	2.370	0.622	0.09	22.21	23.00	1.199	0.746	22.2
Right side	15	QPSK 1 74	26865/831.5	1:1	0.182	0.076	-0.16	22.21	23.00	1.199	0.091	22.2
Top side	15	QPSK 1 74	26865/831.5	1:1	0.490	0.180	-0.13	22.21	23.00	1.199	0.216	22.2
Bottom side	15	QPSK 1 74	26865/831.5	1:1	1.760	0.674	-0.01	22.21	23.00	1.199	0.808	22.2
Back side Battery 2#	15	QPSK 1 74	26865/831.5	1:1	2.310	0.996	0.03	22.21	23.00	1.199	1.194	22.2
Extremity Test data (Separate 0mm 50%RB)												
Front side	15	QPSK 36 18	26865/831.5	1:1	0.130	0.064	-0.13	21.91	22.00	1.021	0.065	22.2
Back side	15	QPSK 36 18	26865/831.5	1:1	1.920	0.704	0.00	21.91	22.00	1.021	0.719	22.2



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		36 18										
Left side	15	QPSK 36 18	26865/831.5	1:1	1.620	0.492	-0.12	21.91	22.00	1.021	0.502	22.2
Right side	15	QPSK 36 18	26865/831.5	1:1	0.162	0.072	0.17	21.91	22.00	1.021	0.074	22.2
Top side	15	QPSK 36 18	26865/831.5	1:1	0.436	0.170	-0.17	21.91	22.00	1.021	0.174	22.2
Bottom side	15	QPSK 36 18	26865/831.5	1:1	1.790	0.684	0.07	21.91	22.00	1.021	0.698	22.2



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8.3.6 SAR Result of LTE Band 41

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB) Sensor on												
Front side	20	QPSK 1_0	41055/2636.5	1:1.58	0.033	0.016	-0.07	15.33	16.00	1.167	0.039	21.7
Back side	20	QPSK 1_0	41055/2636.5	1:1.58	0.365	0.155	-0.19	15.33	16.00	1.167	0.426	21.7
Left side	20	QPSK 1_0	41055/2636.5	1:1.58	0.037	0.016	0.10	15.33	16.00	1.167	0.043	21.7
Right side	20	QPSK 1_0	41055/2636.5	1:1.58	0.149	0.075	-0.16	15.33	16.00	1.167	0.174	21.7
Bottom side	20	QPSK 1_0	41055/2636.5	1:1.58	1.110	0.403	0.03	15.33	16.00	1.167	1.295	21.7
Bottom side Repeated	20	QPSK 1_0	41055/2636.5	1:1.58	1.050	0.398	0.02	15.33	16.00	1.167	1.225	21.7
Bottom side	20	QPSK 1_0	39750/2506	1:1.58	0.470	0.173	0.06	15.30	16.00	1.175	0.552	21.7
Bottom side	20	QPSK 1_0	40185/2549.5	1:1.58	0.619	0.233	0.00	15.26	16.00	1.186	0.734	21.7
Bottom side	20	QPSK 1_0	40620/2593	1:1.58	0.726	0.271	0.16	15.26	16.00	1.186	0.861	21.7
Bottom side	20	QPSK 1_0	41490/2680	1:1.58	0.980	0.363	0.09	15.27	16.00	1.183	1.159	21.7
Bottom side Battery 2#	20	QPSK 1_0	41055/2636.5	1:1.58	1.020	0.396	0.04	15.33	16.00	1.167	1.190	21.7
Body Test data (Separate 5mm 50%RB) Sensor on												
Front side	20	QPSK 50_0	40620/2593	1:1.58	0.029	0.015	0.00	14.24	16.00	1.500	0.044	21.7
Back side	20	QPSK 50_0	40620/2593	1:1.58	0.361	0.153	-0.19	14.24	16.00	1.500	0.542	21.7
Left side	20	QPSK 50_0	40620/2593	1:1.58	0.038	0.017	0.19	14.24	16.00	1.500	0.057	21.7
Right side	20	QPSK 50_0	40620/2593	1:1.58	0.157	0.082	0.01	14.24	16.00	1.500	0.236	21.7
Bottom side	20	QPSK 50_0	40620/2593	1:1.58	0.861	0.345	-0.02	14.24	16.00	1.500	1.292	21.7
Bottom side	20	QPSK 50_0	39750/2506	1:1.58	0.361	0.153	-0.19	14.20	16.00	1.514	0.547	21.7
Bottom side	20	QPSK 50_0	40185/2549.5	1:1.58	0.038	0.017	0.19	14.23	16.00	1.503	0.057	21.7
Bottom side	20	QPSK 50_0	41055/2636.5	1:1.58	0.157	0.082	0.01	14.23	16.00	1.503	0.236	21.7
Bottom side	20	QPSK 50_0	41490/2680	1:1.58	0.861	0.354	-0.02	14.23	16.00	1.503	1.294	21.7
Body Test data (Separate 5mm 100%RB) Sensor on												
Bottom side	20	QPSK 100_0	40620/2593	1:1.58	0.831	0.338	0.03	14.12	16.00	1.542	1.281	21.7
Body Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1_0	41055/2636.5	1:1.58	0.180	0.093	-0.14	24.24	25.00	1.191	0.214	21.7
Back side 29mm	20	QPSK 1_0	41055/2636.5	1:1.58	0.115	0.064	0.18	24.24	25.00	1.191	0.137	21.7
Left side	20	QPSK	41055/2636.5	1:1.58	0.084	0.047	-0.09	24.24	25.00	1.191	0.100	21.7



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17mm		1 0										
Right side 7mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.417	0.210	-0.14	24.24	25.00	1.191	0.497	21.7
Top side 5mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.091	0.043	-0.10	24.24	25.00	1.191	0.108	21.7
Bottom side 25mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.286	0.144	0.01	24.24	25.00	1.191	0.341	21.7
Body Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50 0	40620/2593	1:1.58	0.131	0.067	0.15	23.10	24.00	1.230	0.161	21.7
Back side 29mm	20	QPSK 50 0	40620/2593	1:1.58	0.063	0.036	-0.04	23.10	24.00	1.230	0.077	21.7
Left side 17mm	20	QPSK 50 0	40620/2593	1:1.58	0.078	0.044	-0.03	23.10	24.00	1.230	0.096	21.7
Right side 7mm	20	QPSK 50 0	40620/2593	1:1.58	0.442	0.241	0.05	23.10	24.00	1.230	0.544	21.7
Top side 5mm	20	QPSK 50 0	40620/2593	1:1.58	0.072	0.034	-0.11	23.10	24.00	1.230	0.089	21.7
Bottom side 25mm	20	QPSK 50 0	40620/2593	1:1.58	0.226	0.115	-0.07	23.10	24.00	1.230	0.278	21.7
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB) Sensor on												
Front side	20	QPSK 1 0	41055/2636.5	1:1.58	0.065	0.031	-0.16	15.33	16.00	1.167	0.036	21.7
Back side	20	QPSK 1 0	41055/2636.5	1:1.58	1.070	0.444	-0.16	15.33	16.00	1.167	0.518	21.7
Left side	20	QPSK 1 0	41055/2636.5	1:1.58	0.206	0.087	-0.15	15.33	16.00	1.167	0.102	21.7
Right side	20	QPSK 1 0	41055/2636.5	1:1.58	0.348	0.162	-0.08	15.33	16.00	1.167	0.189	21.7
Bottom side	20	QPSK 1 0	41055/2636.5	1:1.58	1.160	0.436	-0.03	15.33	16.00	1.167	0.509	21.7
Extremity Test data (Separate 0mm 50%RB) Sensor on												
Front side	20	QPSK 50 0	40620/2593	1:1.58	0.050	0.024	0.04	14.24	16.00	1.500	0.036	21.7
Back side	20	QPSK 50 0	40620/2593	1:1.58	1.060	0.455	-0.17	14.24	16.00	1.500	0.683	21.7
Left side	20	QPSK 50 0	40620/2593	1:1.58	0.209	0.088	-0.11	14.24	16.00	1.500	0.132	21.7
Right side	20	QPSK 50 0	40620/2593	1:1.58	0.408	0.187	0.08	14.24	16.00	1.500	0.281	21.7
Bottom side	20	QPSK 50 0	40620/2593	1:1.58	1.230	0.459	-0.11	14.24	16.00	1.500	0.689	21.7
Bottom side	20	QPSK 50 0	39750/2506	1:1.58	1.120	0.448	0.02	14.20	16.00	1.514	0.678	21.7
Bottom side	20	QPSK 50 0	40185/2549.5	1:1.58	1.550	0.527	0.03	14.23	16.00	1.503	0.792	21.7
Bottom side	20	QPSK 50 0	41055/2636.5	1:1.58	1.210	0.451	0.03	14.23	16.00	1.503	0.678	21.7
Bottom side	20	QPSK 50 0	41490/2680	1:1.58	1.010	0.438	0.03	14.23	16.00	1.503	0.658	21.7
Bottom side Battery 2#	20	QPSK 50 0	40185/2549.5	1:1.58	1.420	0.521	0.06	14.23	16.00	1.503	0.783	21.7
Extremity Test data (1RB) Sensor off												
Front side	20	QPSK	41055/2636.5	1:1.58	0.180	0.093	-0.05	24.24	25.00	1.191	0.111	21.7



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10mm		1 0										
Back side 29mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.115	0.064	0.19	24.24	25.00	1.191	0.076	21.7
Left side 17mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.084	0.047	-0.12	24.24	25.00	1.191	0.056	21.7
Right side 7mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.417	0.210	-0.02	24.24	25.00	1.191	0.250	21.7
Top side 0mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.408	0.150	0.04	24.24	25.00	1.191	0.179	21.7
Bottom side 25mm	20	QPSK 1 0	41055/2636.5	1:1.58	0.286	0.144	0.17	24.24	25.00	1.191	0.172	21.7
Extremity Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50 0	40620/2593	1:1.58	0.131	0.067	0.19	23.10	24.00	1.230	0.082	21.7
Back side 29mm	20	QPSK 50 0	40620/2593	1:1.58	0.063	0.036	-0.09	23.10	24.00	1.230	0.044	21.7
Left side 17mm	20	QPSK 50 0	40620/2593	1:1.58	0.078	0.044	-0.13	23.10	24.00	1.230	0.054	21.7
Right side 7mm	20	QPSK 50 0	40620/2593	1:1.58	0.442	0.241	-0.08	23.10	24.00	1.230	0.296	21.7
Top side 0mm	20	QPSK 50 0	40620/2593	1:1.58	0.354	0.137	-0.01	23.10	24.00	1.230	0.169	21.7
Bottom side 25mm	20	QPSK 50 0	40620/2593	1:1.58	0.226	0.115	-0.11	23.10	24.00	1.230	0.141	21.7

Test Position	Test ch./Freq.	Measured SAR (W/kg)	1 st Repeated	Ratio	2 nd Repeated	3 rd Repeated
Bottom side 5mm	41055/2636.5	1.110	1.050	1.057	N/A	N/A
Note: 1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.						
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1-g SAR limit).						
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20 .						
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg						
5) The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds. The repeated measurement results must be clearly identified in the SAR report.						



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8.3.7 SAR Result of LTE Band 66

Test Record												
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm 1RB) Sensor on												
Front side	20	QPSK 1_0	132322/1745	1:1	0.027	0.013	-0.03	18.13	19.00	1.222	0.033	22.2
Back side	20	QPSK 1_0	132322/1745	1:1	0.315	0.187	0.06	18.13	19.00	1.222	0.385	22.2
Left side	20	QPSK 1_0	132322/1745	1:1	0.086	0.041	0.04	18.13	19.00	1.222	0.105	22.2
Right side	20	QPSK 1_0	132322/1745	1:1	0.187	0.100	0.00	18.13	19.00	1.222	0.229	22.2
Bottom side	20	QPSK 1_0	132322/1745	1:1	0.179	0.084	0.16	18.13	19.00	1.222	0.219	22.2
Body Test data (Separate 5mm 50%RB) Sensor on												
Front side	20	QPSK 50_25	132072/1720	1:1	0.024	0.012	0.06	18.18	19.00	1.208	0.029	22.2
Back side	20	QPSK 50_25	132072/1720	1:1	0.371	0.209	-0.12	18.18	19.00	1.208	0.448	22.2
Left side	20	QPSK 50_25	132072/1720	1:1	0.110	0.054	-0.04	18.18	19.00	1.208	0.133	22.2
Right side	20	QPSK 50_25	132072/1720	1:1	0.172	0.092	-0.13	18.18	19.00	1.208	0.208	22.2
Bottom side	20	QPSK 50_25	132072/1720	1:1	0.167	0.078	-0.05	18.18	19.00	1.208	0.202	22.2
Body Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1_0	132572/1770	1:1	0.062	0.037	0.19	22.86	23.00	1.033	0.064	22.2
Back side 29mm	20	QPSK 1_0	132572/1770	1:1	0.057	0.036	0.12	22.86	23.00	1.033	0.059	22.2
Left side 17mm	20	QPSK 1_0	132572/1770	1:1	0.064	0.037	0.07	22.86	23.00	1.033	0.066	22.2
Right side 7mm	20	QPSK 1_0	132572/1770	1:1	0.452	0.282	-0.05	22.86	23.00	1.033	0.467	22.2
Top side 5mm	20	QPSK 1_0	132572/1770	1:1	0.159	0.086	0.11	22.86	23.00	1.033	0.164	22.2
Bottom side 25mm	20	QPSK 1_0	132572/1770	1:1	0.110	0.056	0.14	22.86	23.00	1.033	0.114	22.2
Right side 7mm	20	QPSK 1_0	132072/1720	1:1	0.445	0.276	-0.09	22.84	23.00	1.038	0.462	22.2
Right side 7mm	20	QPSK 1_0	132322/1745	1:1	0.391	0.257	0.02	22.30	23.00	1.175	0.459	22.2
Right side 7mm Battery 2#	20	QPSK 1_0	132572/1770	1:1	0.442	0.273	0.04	22.86	23.00	1.033	0.457	22.2
Body Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50_25	132072/1720	1:1	0.054	0.032	0.18	21.91	22.00	1.021	0.055	22.2
Back side 29mm	20	QPSK 50_25	132072/1720	1:1	0.054	0.035	-0.07	21.91	22.00	1.021	0.055	22.2
Left side 17mm	20	QPSK 50_25	132072/1720	1:1	0.058	0.035	-0.02	21.91	22.00	1.021	0.059	22.2
Right side 7mm	20	QPSK 50_25	132072/1720	1:1	0.327	0.178	0.04	21.91	22.00	1.021	0.334	22.2



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Top side 5mm	20	QPSK 50 25	132072/1720	1:1	0.182	0.100	0.12	21.91	22.00	1.021	0.186	22.2
Bottom side 25mm	20	QPSK 50 25	132072/1720	1:1	0.094	0.053	-0.03	21.91	22.00	1.021	0.096	22.2
Test position	BW.	Test mode	Test ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm 1RB) Sensor on												
Front side	20	QPSK 1 0	132322/1745	1:1	0.037	0.017	-0.14	18.13	19.00	1.222	0.021	22.2
Back side	20	QPSK 1 0	132322/1745	1:1	0.472	0.241	0.19	18.13	19.00	1.222	0.295	22.2
Left side	20	QPSK 1 0	132322/1745	1:1	0.206	0.090	-0.01	18.13	19.00	1.222	0.110	22.2
Right side	20	QPSK 1 0	132322/1745	1:1	0.467	0.246	0.11	18.13	19.00	1.222	0.301	22.2
Bottom side	20	QPSK 1 0	132322/1745	1:1	1.540	0.620	-0.05	18.13	19.00	1.222	0.758	22.2
Bottom side	20	QPSK 1 0	132072/1720	1:1	1.410	0.603	-0.09	18.11	19.00	1.227	0.740	22.2
Bottom side	20	QPSK 1 0	132572/1770	1:1	1.380	0.601	-0.02	18.12	19.00	1.225	0.736	22.2
Bottom side Battery 2#	20	QPSK 1 0	132322/1745	1:1	1.440	0.613	-0.09	18.13	19.00	1.222	0.749	22.2
Extremity Test data (Separate 0mm 50%RB) Sensor on												
Front side	20	QPSK 50 25	132072/1720	1:1	0.034	0.016	-0.09	18.18	19.00	1.208	0.019	22.2
Back side	20	QPSK 50 25	132072/1720	1:1	0.499	0.249	0.10	18.18	19.00	1.208	0.301	22.2
Left side	20	QPSK 50 25	132072/1720	1:1	0.224	0.100	0.10	18.18	19.00	1.208	0.121	22.2
Right side	20	QPSK 50 25	132072/1720	1:1	0.512	0.245	0.07	18.18	19.00	1.208	0.296	22.2
Bottom side	20	QPSK 50 25	132072/1720	1:1	1.320	0.530	0.03	18.18	19.00	1.208	0.640	22.2
Extremity Test data (1RB) Sensor off												
Front side 10mm	20	QPSK 1 0	132572/1770	1:1	0.068	0.041	-0.03	22.86	23.00	1.033	0.042	22.2
Back side 29mm	20	QPSK 1 0	132572/1770	1:1	0.063	0.040	-0.15	22.86	23.00	1.033	0.041	22.2
Left side 17mm	20	QPSK 1 0	132572/1770	1:1	0.070	0.041	0.13	22.86	23.00	1.033	0.042	22.2
Right side 7mm	20	QPSK 1 0	132572/1770	1:1	0.496	0.269	-0.07	22.86	23.00	1.033	0.278	22.2
Top side 0mm	20	QPSK 1 0	132572/1770	1:1	0.403	0.198	0.04	22.86	23.00	1.033	0.205	22.2
Bottom side 25mm	20	QPSK 1 0	132572/1770	1:1	0.121	0.062	-0.03	22.86	23.00	1.033	0.064	22.2
Extremity Test data (50%RB) Sensor off												
Front side 10mm	20	QPSK 50 25	132072/1720	1:1	0.059	0.035	0.07	21.91	22.00	1.021	0.036	22.2
Back side 29mm	20	QPSK 50 25	132072/1720	1:1	0.059	0.038	0.15	21.91	22.00	1.021	0.039	22.2
Left side 17mm	20	QPSK 50 25	132072/1720	1:1	0.064	0.038	0.08	21.91	22.00	1.021	0.039	22.2
Right side 7mm	20	QPSK 50 25	132072/1720	1:1	0.359	0.195	0.00	21.91	22.00	1.021	0.199	22.2



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Top side 0mm	20	QPSK 50 25	132072/1720	1:1	0.350	0.163	0.16	21.91	22.00	1.021	0.166	22.2
Bottom side 25mm	20	QPSK 50 25	132072/1720	1:1	0.103	0.058	-0.17	21.91	22.00	1.021	0.059	22.2



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8.3.8 SAR Result of BT

Test Record												
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 1-g (W/kg)	Liquid Temp.(°C)
Body Test data (Separate 5mm)												
Front side	DH5	39/2441	100.00%	1.000	0.016	0.006	0.04	4.38	5.00	1.153	0.018	22.1
Back side	DH5	39/2441	100.00%	1.000	0.014	0.005	0.09	4.38	5.00	1.153	0.016	22.1
Left side	DH5	39/2441	100.00%	1.000	0.011	0.003	-0.09	4.38	5.00	1.153	0.013	22.1
Right side	DH5	39/2441	100.00%	1.000	0.019	0.009	0.03	4.38	5.00	1.153	0.022	22.1
Top side	DH5	39/2441	100.00%	1.000	0.012	0.004	-0.13	4.38	5.00	1.153	0.014	22.1
Bottom side	DH5	39/2441	100.00%	1.000	0.010	0.003	-0.09	4.38	5.00	1.153	0.012	22.1
Right side	DH5	0/2402	100.00%	1.000	0.022	0.010	0.07	4.08	5.00	1.236	0.027	22.1
Right side	DH5	78/2480	100.00%	1.000	0.017	0.008	0.04	3.93	5.00	1.279	0.022	22.1
Right side Battery 2#	DH5	0/2402	100.00%	1.000	0.019	0.009	-0.03	4.08	5.00	1.236	0.023	22.1
Test position	Test mode	Test ch./Freq.	Duty Cycle	Duty Cycle Scaled factor	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power drift (dB)	Conducted Power(dBm)	Tune up Limit(dBm)	Scaled factor	Scaled SAR 10-g (W/kg)	Liquid Temp.(°C)
Extremity Test data (Separate 0mm)												
Front side	DH5	39/2441	100.00%	1.000	0.053	0.022	0.12	4.38	5.00	1.153	0.025	22.1
Back side	DH5	39/2441	100.00%	1.000	0.050	0.021	-0.06	4.38	5.00	1.153	0.024	22.1
Left side	DH5	39/2441	100.00%	1.000	0.023	0.015	-0.02	4.38	5.00	1.153	0.017	22.1
Right side	DH5	39/2441	100.00%	1.000	0.071	0.026	0.10	4.38	5.00	1.153	0.030	22.1
Top side	DH5	39/2441	100.00%	1.000	0.025	0.016	0.02	4.38	5.00	1.153	0.018	22.1
Bottom side	DH5	39/2441	100.00%	1.000	0.020	0.013	-0.17	4.38	5.00	1.153	0.015	22.1
Right side	DH5	0/2402	100.00%	1.000	0.084	0.031	0.03	4.08	5.00	1.236	0.038	22.1
Right side	DH5	78/2480	100.00%	1.000	0.062	0.024	-0.16	4.08	5.00	1.236	0.030	22.1
Right side Battery 2#	DH5	0/2402	100.00%	1.000	0.072	0.028	-0.01	4.08	5.00	1.236	0.035	22.1



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8.4 Multiple Transmitter Evaluation

8.4.1 Simultaneous SAR test evaluation

No.	Simultaneous Tx Combination	Body	Extremity
1	WWAN+BT	YES	YES



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8.4.2 Simultaneous Transmission SAR Summation Scenario

Body/Test position		SARmax (W/kg)		Summed SAR
		WWAN	BT	
		1	2	
LTE Band 7	Front side	0.084	0.018	0.102
	Back side	0.386	0.016	0.402
	Left side	0.047	0.013	0.060
	Right side	0.776	0.027	0.803
	Top side	0.191	0.014	0.205
	Bottom side	1.107	0.012	1.119
LTE Band 12 (17)	Front side	0.081	0.018	0.099
	Back side	0.394	0.016	0.410
	Left side	0.491	0.013	0.504
	Right side	0.215	0.027	0.242
	Top side	0.168	0.014	0.182
	Bottom side	0.271	0.012	0.283
LTE Band 13	Front side	0.050	0.018	0.068
	Back side	0.267	0.016	0.283
	Left side	0.340	0.013	0.353
	Right side	0.056	0.027	0.083
	Top side	0.092	0.014	0.106
	Bottom side	0.131	0.012	0.143
LTE Band 25 (2)	Front side	0.049	0.018	0.067
	Back side	0.493	0.016	0.509
	Left side	0.153	0.013	0.166
	Right side	0.625	0.027	0.652
	Top side	0.132	0.014	0.146
	Bottom side	0.719	0.012	0.731
LTE Band 26 (5)	Front side	0.052	0.018	0.070
	Back side	0.454	0.016	0.470
	Left side	0.522	0.013	0.535
	Right side	0.059	0.027	0.086
	Top side	0.078	0.014	0.092
	Bottom side	0.199	0.012	0.211
LTE Band 41 (38)	Front side	0.214	0.018	0.232
	Back side	0.542	0.016	0.558
	Left side	0.100	0.013	0.113
	Right side	0.544	0.027	0.571
	Top side	0.108	0.014	0.122
	Bottom side	1.295	0.012	1.307
LTE Band 66 (4)	Front side	0.064	0.018	0.082
	Back side	0.448	0.016	0.464
	Left side	0.133	0.013	0.146
	Right side	0.467	0.027	0.494
	Top side	0.186	0.014	0.200
	Bottom side	0.219	0.012	0.231



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Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

SZCCS-TRF-02 Rev. A/1

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ExtremityTest position		SARmax (W/kg)		Summed SAR
		WWAN	BT	
		1	2	
LTE Band 7	Front side	0.042	0.025	0.067
	Back side	0.717	0.024	0.741
	Left side	0.222	0.017	0.239
	Right side	0.401	0.038	0.439
	Top side	0.242	0.018	0.260
	Bottom side	1.273	0.015	1.288
LTE Band 12 (17)	Front side	0.121	0.025	0.146
	Back side	1.172	0.024	1.196
	Left side	1.589	0.017	1.606
	Right side	0.179	0.038	0.217
	Top side	0.167	0.018	0.185
	Bottom side	1.196	0.015	1.211
LTE Band 13	Front side	0.077	0.025	0.102
	Back side	0.662	0.024	0.686
	Left side	0.850	0.017	0.867
	Right side	0.068	0.038	0.106
	Top side	0.119	0.018	0.137
	Bottom side	0.577	0.015	0.592
LTE Band 25 (2)	Front side	0.045	0.025	0.070
	Back side	0.595	0.024	0.619
	Left side	0.175	0.017	0.192
	Right side	0.480	0.038	0.518
	Top side	0.160	0.018	0.178
	Bottom side	1.177	0.015	1.192
LTE Band 26 (5)	Front side	0.094	0.025	0.119
	Back side	1.271	0.024	1.295
	Left side	0.746	0.017	0.763
	Right side	0.091	0.038	0.129
	Top side	0.216	0.018	0.234
	Bottom side	0.808	0.015	0.823
LTE Band 41 (38)	Front side	0.111	0.025	0.136
	Back side	0.683	0.024	0.707
	Left side	0.132	0.017	0.149
	Right side	0.296	0.038	0.334
	Top side	0.179	0.018	0.197
	Bottom side	0.792	0.015	0.807
LTE Band 66 (4)	Front side	0.042	0.025	0.067
	Back side	0.301	0.024	0.325
	Left side	0.121	0.017	0.138
	Right side	0.301	0.038	0.339
	Top side	0.205	0.018	0.223
	Bottom side	0.758	0.015	0.773



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9 Equipment list

Test Platform		SPEAG DASY Professional				
Software Reference		DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)				
Hardware Reference						
Equipment		Manufacturer	Model	Inventory No.	Calibration Date	Due date of calibration
☒	Test Phantom	SPEAG	SAM Twin	SEM060-66	NCR	NCR
☒	DAE	SPEAG	DAE4	SEM060-64	2026/3/2	2027/3/1
☒	E-Field Probe	SPEAG	EX3DV4	SEM060-65	2025/10/14	2026/10/13
☒	Validation Kits	SPEAG	D750V3	SEM060-40	2025/6/18	2028/6/17
☒	Validation Kits	SPEAG	D835V2	SEM060-08	2025/6/19	2028/6/18
☒	Validation Kits	SPEAG	D1750V2	SEM060-69	2025/6/18	2028/6/17
☒	Validation Kits	SPEAG	D1950V3	SEM060-11	2025/6/18	2028/6/17
☒	Validation Kits	SPEAG	D2450V2	SEM060-14	2025/6/18	2028/6/17
☒	Validation Kits	SPEAG	D2600V2	SEM060-41	2025/6/17	2028/6/16
☒	Dielectric parameter probes	SPEAG	DAK-3.5	SEM060-59	2025/11/16	2026/11/15
☒	Agilent Network Analyzer	SPEAG	E5071C	SEM060-70	2025/8/26	2026/8/25
☒	Signal Generator	Agilent	N5171B	SEM060-33	2026/3/20	2027/3/19
☒	Preamplifier	Shanghai Qiji Automation Instruments Co., Ltd.	YX28982108	SEM060-51	2026/5/15	2027/5/14
☒	Power Meter	Agilent	E4416A	SEM060-35	2026/3/20	2027/3/19
☒	Power Sensor	Agilent	8481H	SEM060-36	2026/3/20	2027/3/19
☒	Electro Thermometer	MITIR	TP3001	SEM002-30	2026/3/16	2027/3/15
☒	Humidity and Temperature Indicator	deli	8838	SEM002-43	2026/7/8	2027/7/7
☒	Speed reading thermometer	LKM electronic GmbH	DTM 3000	SEM060-49	2026/4/3	2027/4/2
☒	Humidity and Temperature Indicator	AS ONE	THA-02L	SEM060-50	2026/4/1	2027/3/31

Note: All the equipment are within the valid period when the tests are performed.



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10 Calibration certificate

Please see the Appendix C

11 Photographs

Please see the Appendix D

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

Appendix E: Conducted RF Output Power

--- End of report ---



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