



TEST REPORT

For SAR

Report No..... : CHTW25070071

Project No : SHT2506018301W

FCC ID : **2ASWW-STAR9MAX**

Applicant's name : XINCHUANGXIN INTERNATIONAL CO. LTD

Address : ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL

Product Name : Tablet

Trade Mark..... : CORN

Model No..... : Star9 Max

Listed Model(s) : -

Standard : **FCC 47 CFR Part2.1093**
IEEE Std C95.1: 1999 Edition
IEEE Std 1528: 2013

Date of receipt of test sample.....: 2025/6/12

Date of testing.....: 2025/7/18- 2025/7/22

Date of issue.....: 2025/7/22

Result.....: **PASS**



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Test Report Form No. : R0066

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

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Contents

<u>1.</u>	<u>Statement of Compliance</u>	<u>3</u>
<u>2.</u>	<u>Test Standards and Report version</u>	<u>4</u>
2.1.	Test Standards	4
2.2.	Report version	4
<u>3.</u>	<u>Summary</u>	<u>5</u>
3.1.	Client Information	5
3.2.	Product Description	5
3.3.	RF Specification Description	6
3.4.	Testing Laboratory Information	7
3.5.	Environmental conditions	7
<u>4.</u>	<u>Equipments Used during the Test</u>	<u>8</u>
<u>5.</u>	<u>Measurement Uncertainty</u>	<u>10</u>
<u>6.</u>	<u>SAR Measurement System Configuration</u>	<u>11</u>
6.1.	SAR Measurement Set-up	11
6.2.	DASY5 E-field Probe System	12
6.3.	Phantoms	13
6.4.	Device Holder	13
<u>7.</u>	<u>SAR Test Procedure</u>	<u>14</u>
7.1.	Scanning Procedure	14
7.2.	Data Storage and Evaluation	16
<u>8.</u>	<u>Position of the wireless device in relation to the phantom</u>	<u>18</u>
8.1.	Body Position	18
<u>9.</u>	<u>Dielectric Property Measurements & System Check</u>	<u>19</u>
9.1.	Tissue Dielectric Parameters	19
9.2.	System Check	20
<u>10.</u>	<u>SAR Exposure Limits</u>	<u>30</u>
<u>11.</u>	<u>Conducted Power Measurement Results and Tune-up</u>	<u>31</u>
<u>12.</u>	<u>RF Exposure Conditions (Test Configurations)</u>	<u>34</u>
12.1.	Antenna Location	34
12.2.	Standalone SAR test exclusion considerations	35
12.3.	Required Test Configurations	36
<u>13.</u>	<u>Measured and Reported SAR Results</u>	<u>37</u>
<u>14.</u>	<u>Simultaneous Transmission analysis</u>	<u>40</u>
<u>15.</u>	<u>Test Setup Photos</u>	<u>41</u>
<u>16.</u>	<u>External and Internal Photos of the EUT</u>	<u>43</u>

1. Statement of Compliance

Maximum Reported SAR (W/kg @1g)						
Type	Test setting	PCT	WIFI 2.4G	WIFI 5G	BT	Simultaneous TX
Body	Dist.= 0mm	0.798	0.494	0.076	0.064	1.292

Note:

1. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg@1g) specified in FCC 47 CFR part 2.1093 and IEEE Std C95.1,
2. This device had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and FCC KDB publications.

2. Test Standards and Report version

2.1. Test Standards

The tests were performed according to following standards:

[FCC 47 Part 2.1093](#): Radiofrequency radiation exposure evaluation: portable devices.

[IEEE Std C95.1, 1999 Edition](#): IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz

[IEEE Std 1528™-2013](#): IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.

FCC published RF exposure KDB procedures:

[865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04](#): SAR Measurement Requirements for 100 MHz to 6 GHz

[865664 D02 RF Exposure Reporting v01r02](#): RF Exposure Compliance Reporting and Documentation Considerations

[447498 D04 Interim General RF Exposure Guidance v01](#): Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies

[248227 D01 802.11 Wi-Fi SAR v02r02](#): SAR Measurement Procedures for 802.11 a/b/g Transmitters

[941225 D01 3G SAR Procedures v03r01](#): SAR Measurement Procedures for 3G Devices

[941225 D05 SAR for LTE Devices v02r05](#): SAR Evaluation Considerations for LTE Devices

[616217 D04 SAR for laptop and tablets v01r02](#): describes the SAR evaluation requirements for laptop, notebook, netbook and tablet computers

[TCB workshop](#) April, 2019; Page 19, Tissue Simulating Liquids (TSL)

2.2. Report version

Revision No.	Date of issue	Description
N/A	2025-07-22	Original

3. Summary

3.1. Client Information

Applicant:	XINCHUANGXIN INTERNATIONAL CO. LTD
Address:	ROOM 605 6/F, FA YUEN COMMERCIAL BUILDING, 75-77 FA YUEN STREET MONGKOK KL
Manufacturer:	Shenzhen Chiteng Technology Co.,LTD
Address:	Second Floor,Area A, Building 4, Huiye Technology Workshop, Guanguang Road, Tangjia Community, Gongming Street, Guangming New District, Shenzhen, Guangdong

3.2. Product Description

Main unit	
Product Name:	Tablet
Trade Mark:	CORN
Model No.:	Star9 Max
Listed Model(s):	-
Power supply:	DC 3.8V from Battery
Hardware version:	L30-T310-V1.0 250508-C
Software version:	CORN_Star 9_Max_20250718
Device Dimension:	Length x Width x Thickness (mm): 212 x 125 x 8
Device Category:	Portable
Product stage:	Production unit
RF Exposure Environment:	General Population/Uncontrolled
HTW test sample No.:	YPHT25060183001
Support SIM card quantity:#1	☐ Single card ☒ Double card

Note:

#1: The Test EUT support two SIM card, so all the tests are performed at each SIM card mode, the datum recorded is the worst case for all the mode at SIM1 Card mode.

3.3. RF Specification Description

GSM				
Operation Band:	☒ GSM850	☒ PCS1900		
Support type:	☒ GSM	☒ GPRS	☒ EGPRS	
Modulation type:	☒ GMSK	☒ 8PSK		
Power Class:	☒ GSM850: Class 4		☒ PCS1900: Class 1	
Device Class:	B			
GPRS Multi-Slot Class:	12			
EGPRS Multi-Slot Class:	12			
Note: This device doesn't support DTM (Dual Transfer Mode).				
WCDMA				
Operation Band:	☒ Band II	☒ Band V		
Support type:	☒ UMTS Rel. 99 (Voice & Data)	☒ HSDPA	☒ HSUPA	
Modulation type:	☒ QPSK			
Power Class:	Class 3			
LTE				
Operation Band:	☒ Band 2	☒ Band 4	☒ Band 7	☒ Band 12
	☒ Band 17			
Support type:	☒ Single Carrier	☐ CA-UL	☐ CA-DL	☐ MIMO-UL
Modulation type:	☒ QPSK	☒ 16QAM		
Power Class:	☒ Class 3	☐ Class 2		
Note: This device doesn't support SV-LTE (1xRTT-LTE).				
Wi-Fi 2.4G				
Support type:	☒ 802.11b	☒ 802.11g	☒ 802.11n	☐ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz		
Note: This device 2.4GHz Wi-Fi support hotspot operation				
Wi-Fi 5G				
Operation Band:	☒ U-NII-1	☒ U-NII-3		
Support type:	☒ 802.11a	☒ 802.11n	☒ 802.11ac	☐ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz	☒ 80MHz	☐ 160MHz
Note: This device 2.4GHz Wi-Fi support hotspot operation				
Bluetooth				
Support type:	☒ BR	☒ EDR	☒ BLE-1Mbps	☒ BLE-2Mbps
Note: This device support Bluetooth Tethering.				

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China	
Contact information:	Tel: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC Registration Number	762235
	FCC Designation Number	CN1181

3.5. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Ambient temperature	18 °C to 25 °C
Ambient humidity	30%RH to 70%RH
Air Pressure	950-1050mbar

4. Equipments Used during the Test

● SAR Test Software					
Used	Test Item	Software Name	Manufacturer	Equipment No.	Version
●	SAR	DASY5	Speag	HTWER011	V52.10.0.1446

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Cal. date (YY-MM-DD)	Due date (YY-MM-DD)
●	Data Acquisition Electronics DAEx	SPEAG	HTWE0313-05	DAE4	1549	2025/4/21	2026/4/20
●	E-field Probe	SPEAG	HTWE0313-06	EX3DV4	7494	2025/7/10	2026/7/9
●	Phantoms	SPEAG	HTWE0313-12	ELI V8.0	2078	N/A	N/A
●	Head TSL	-	-	HBBL600-10000	-	N/A	N/A
●	Temperature & humidity	MIAO XIN	HTWE0319	TH20R-EX	-	2025/3/18	2026/3/17
●	Universal Radio Communication Tester	R&S	HTWE0323	CMW500	137681	2025/3/13	2026/3/12

Tissue-equivalent liquids Validation

●	Dielectric Assessment Kit	SPEAG	HTWE0315-02	DAK-3.5	1267	N/A	N/A
●	Network analyzer	Keysight	HTWE0331	E5071C	MY46733048	2024/8/27	2025/8/26
●	Thermometer	LKM	HTWE0317	DTM3000	3693	2025/3/18	2026/3/17

System Validation

●	System Validation Dipole	SPEAG	HTWE0314-03	D750V3	1180	2023/12/7	2026/12/6
●	System Validation Dipole	SPEAG	HTWE0314-04	D835V2	4d238	2023/12/8	2026/12/7
●	System Validation Dipole	SPEAG	HTWE0314-05	D1750V2	1164	2023/12/8	2026/12/7
●	System Validation Dipole	SPEAG	HTWE0314-06	D1900V2	5d226	2023/12/7	2026/12/6
●	System Validation Dipole	SPEAG	HTWE0314-07	D2450V2	1009	2023/12/6	2026/12/5
●	System Validation Dipole	SPEAG	HTWE0314-08	D2600V2	1150	2023/12/7	2026/12/6
●	System Validation Dipole	SPEAG	HTWE0314-09	D5GHzV2	1273	2023/12/6	2026/12/5
●	Signal Generator	R&S	HTWE0276	SMB100A	114360	2025/3/13	2026/3/12
●	Power Viewer for Windows	R&S	N/A	N/A	N/A	N/A	N/A
●	Power sensor	R&S	HTWE0278	NRP18A	101010	2025/3/14	2026/3/13
●	Power sensor	R&S	HTWE0389	NRP18A	101386	2025/3/14	2026/3/13
●	Power Amplifier	BONN	HTWE0336	BLWA 0160-2M	1811887	2024/11/12	2025/11/10
●	Dual Directional Coupler	Mini-Circuits	HTWE0335	ZHDC-10-62-S+	F975001814	2024/11/8	2025/11/7
●	Attenuator	Mini-Circuits	HTWE0333	VAT-3W2+	1819	2024/11/11	2025/11/10
●	Attenuator	Mini-Circuits	HTWE0334	VAT-10W2+	1741	2024/11/11	2025/11/10

Note:

1. The Probe, Dipole and DAE calibration reference to the Appendix E and F.

2. *Referring to KDB865664 D01, the dipole calibration interval can be extended to 3 years with justfcatio. The dipole are also not physically damaged or repaired during the interval.*

5. 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 and the measured 10-g SAR within a frequency band is < 3.75 W/kg.

The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528 is not required in SAR reports submitted for equipment approval.

Therefore, the measurement uncertainty is not required.

6. SAR Measurement System Configuration

6.1. SAR Measurement Set-up

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

A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating 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 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.

A unit to operate the optical surface detector which is connected to the EOC.

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.

The DASY5 measurement server, which performs all real-time data evaluation for field measurements and surface detection, controls robot movements and handles safety operation. A computer operating Windows 2003.

DASY5 software and SEMCAD data evaluation software.

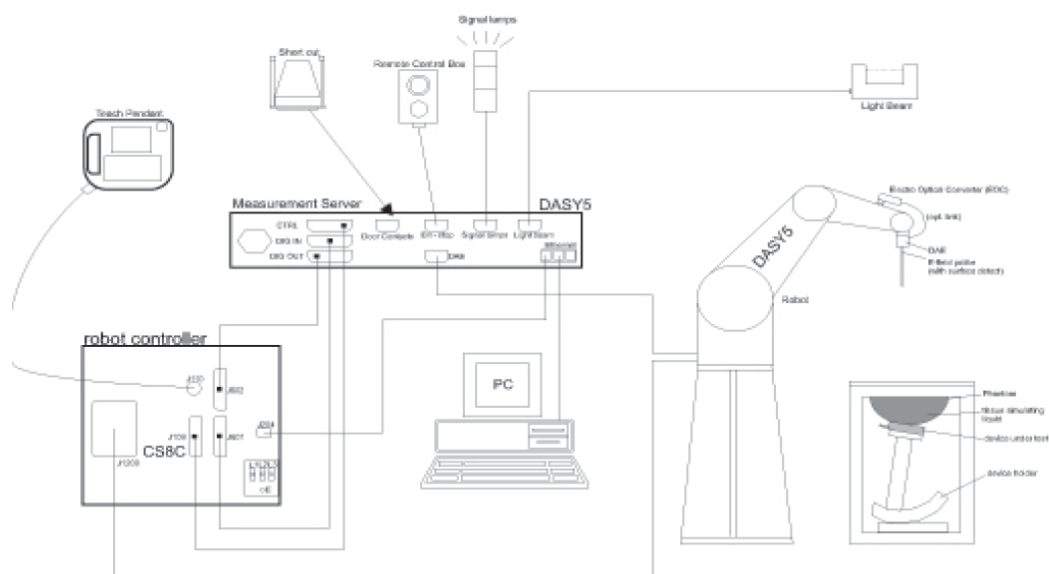
Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.

The generic twin phantom enabling the testing of left-hand and right-hand usage.

The device holder for handheld Mobile Phones.

Tissue simulating liquid mixed according to the given recipes.

System validation dipoles allowing to validate the proper functioning of the system.



6.2. DASY5 E-field Probe System

The SAR measurements were conducted with the dosimetric probe EX3DV4 (manufactured by SPEAG), designed in the classical triangular configuration and optimized for dosimetric evaluation.

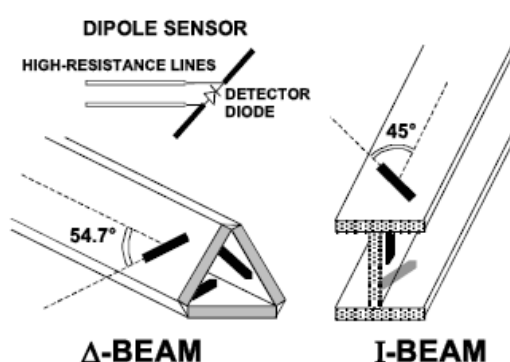
● Probe Specification

Construction	Symmetrical design with triangular core Interleaved sensors 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 to 10 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 W/kg; Linearity: ± 0.2 dB
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Distance from probe tip to dipole centers: 1.0 mm
Application	General dosimetry up to 6 GHz Dosimetry in strong gradient fields Compliance tests of Mobile Phones
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

◆ Isotropic E-Field Probe

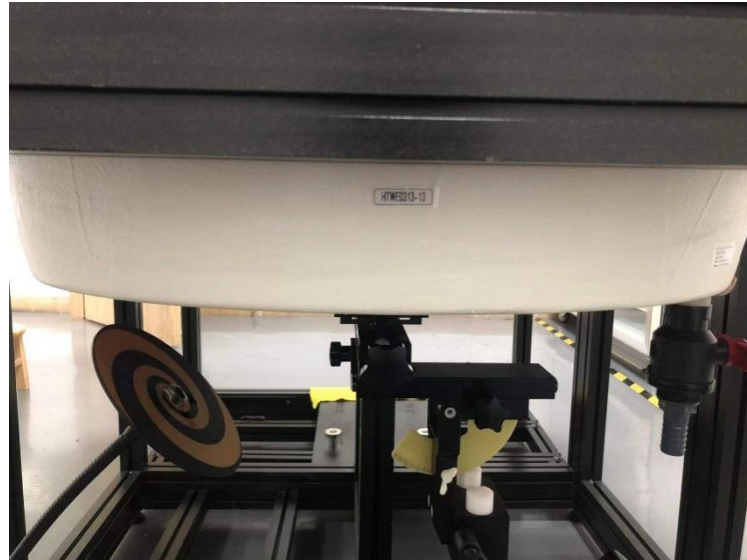
The isotropic E-Field probe has been fully calibrated and assessed for isotropicity, and boundary effect within a controlled environment. Depending on the frequency for which the probe is calibrated the method utilized for calibration will change.

The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:



6.3. Phantoms

Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with standard and all known tissue-simulating liquids. 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.



ELI4 Phantom

6.4. Device Holder

The device was placed in the device holder (illustrated below) that is supplied by SPEAG as an integral part of the DASY system.

The DASY device holder is designed to cope with the different positions given in the standard. It has two scales for device rotation (with respect to the body axis) and device inclination (with respect to the line between the ear reference points). The rotation centers for both scales is the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.



Device holder supplied by SPEAG

7. SAR Test Procedure

7.1. Scanning Procedure

Step 1: Power Reference Measurement

The Power Reference Measurement and Power Drift Measurements are for monitoring the power drift of the device under test in the batch process. Measure the local SAR at a test point within 8 mm of the phantom inner surface that is closest to the DUT. This distance cannot be smaller than the distance of sensor calibration points to probe tip as defined in the probe properties.

Step 2: Area Scan

The Area Scan is used as a fast scan in two dimensions to find the area of high field values, before doing a fine measurement around the hot spot. The sophisticated interpolation routines implemented in DASY software can find the maximum locations even in relatively coarse grids. When an Area Scan has measured all reachable points, it computes the field maximal found in the scanned area, within a range of the global maximum. The range (in dB) is specified in the standards for compliance testing. For example, a 2 dB range is required in IEEE Standard 1528 and IEC 62209 standards, whereby 3 dB is a requirement when compliance is assessed in accordance with the ARIB standard (Japan). If only one Zoom Scan follows the Area Scan, then only the absolute maximum will be taken as reference. For cases where multiple maximums are detected, the number of Zoom Scans has to be increased accordingly.

Area Scan Resolutions per FCC KDB Publication 865664 D01v04

	≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface	5 mm $\pm$ 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2)$ mm $\pm$ 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° $\pm$ 1°	20° $\pm$ 1°
Maximum area scan spatial resolution: Δx_{Area} , Δy_{Area}	≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
	When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be $\leq$ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	

Step 3: Zoom Scan

Zoom Scans are used to assess the peak spatial SAR values within a cubic averaging volume containing 1g and 10g of simulated tissue. The Zoom Scan measures points (refer to table below) within a cube whose base faces are centered on the maxima found in a preceding area scan job within the same procedure. When the measurement is done, the Zoom Scan evaluates the averaged SAR for 1 g and 10 g and displays these values next to the job's label.

Zoom Scan Resolutions per FCC KDB Publication 865664 D01v04

Maximum zoom scan spatial resolution: $\Delta x_{\text{zoom}}, \Delta y_{\text{zoom}}$			$\leq 2 \text{ GHz}: \leq 8 \text{ mm}$ $2 - 3 \text{ GHz}: \leq 5 \text{ mm}^*$	$3 - 4 \text{ GHz}: \leq 5 \text{ mm}^*$ $4 - 6 \text{ GHz}: \leq 4 \text{ mm}^*$
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{\text{zoom}}(n)$		$\leq 5 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 4 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 3 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
	graded grid	$\Delta z_{\text{zoom}}(1)$: between 1 st two points closest to phantom surface	$\leq 4 \text{ mm}$	$3 - 4 \text{ GHz}: \leq 3 \text{ mm}$ $4 - 5 \text{ GHz}: \leq 2.5 \text{ mm}$ $5 - 6 \text{ GHz}: \leq 2 \text{ mm}$
		$\Delta z_{\text{zoom}}(n>1)$: between subsequent points	$\leq 1.5 \cdot \Delta z_{\text{zoom}}(n-1) \text{ mm}$	
Minimum zoom scan volume	x, y, z		$\geq 30 \text{ mm}$	$3 - 4 \text{ GHz}: \geq 28 \text{ mm}$ $4 - 5 \text{ GHz}: \geq 25 \text{ mm}$ $5 - 6 \text{ GHz}: \geq 22 \text{ mm}$

Note: δ is the penetration depth of a plane-wave at normal incidence to the tissue medium; see IEEE Std 1528-2013 for details.

* When zoom scan is required and the *reported* SAR from the *area scan based 1-g SAR estimation* procedures of KDB Publication 447498 is $\leq 1.4 \text{ W/kg}$, $\leq 8 \text{ mm}$, $\leq 7 \text{ mm}$ and $\leq 5 \text{ mm}$ zoom scan resolution may be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

Step 4: Power drift measurement

The Power Drift Measurement measures the field at the same location as the most recent power reference measurement within the same procedure, and with the same settings. The Power Drift Measurement gives the field difference in dB from the reading conducted within the last Power Reference Measurement. This allows a user to monitor the power drift of the device under test within a batch process. The measurement procedure is the same as Step 1. The SAR drift shall be kept within $\pm 5 \%$.

7.2. Data Storage and Evaluation

Data Storage

The DASY5 software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors),s 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 “.DA4”. 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], [W/kg], [mW/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.

Data Evaluation

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:	σ
	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 DASY5 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:

$$V_i = U_i + U_i^2 \cdot \frac{cf}{dcp_i}$$

Vi:	compensated signal of channel (i = x, y, z)
Ui:	input signal of channel (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:

$$E - \text{fieldprobes : } E_i = \sqrt{\frac{V_i}{Norm_i \cdot ConvF}}$$

$$H - \text{fieldprobes : } H_i = \sqrt{V_i} \cdot \frac{a_{i0} + a_{i1}f + a_{i2}f^2}{f}$$

Vi:	compensated signal of channel (i = x, y, z)
Normi:	sensor sensitivity of channel (i = x, y, z), [mV/(V/m)²] for E-field Probes
ConvF:	sensitivity enhancement in solution
aij:	sensor sensitivity factors for H-field probes
f:	carrier frequency [GHz]
Ei:	electric field strength of channel i in V/m
Hi:	magnetic field strength of channel i in A/m

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

$$E_{tot} = \sqrt{E_x^2 + E_y^2 + E_z^2}$$

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

$$SAR = E_{tot}^2 \cdot \frac{\sigma}{\rho \cdot 1'000}$$

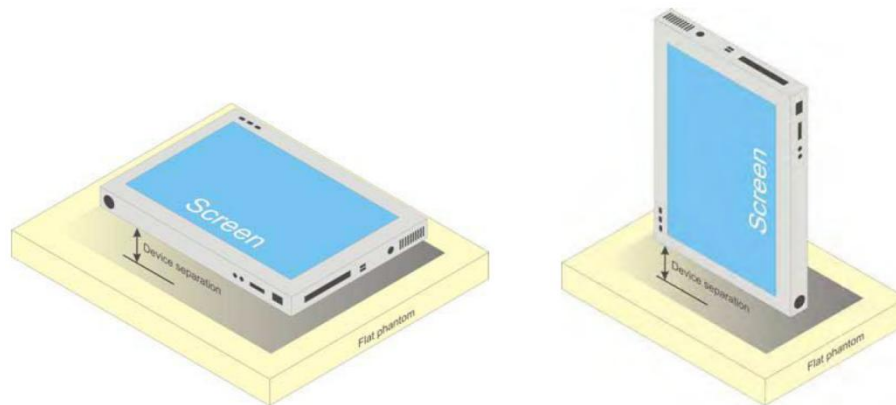
SAR: local specific absorption rate in W/kg
 Etot: total field strength in V/m
 σ : conductivity in [mho/m] or [Siemens/m]
 ρ : equivalent tissue density in g/cm³

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.

8. Position of the wireless device in relation to the phantom

8.1. Body Position

Other devices that fall into this category include tablet type portable computers and credit card transaction authorisation terminals, point-of-sale and/or inventory terminals. Where these devices may be torso or limb-supported, the same principles for body-supported devices are applied.



b) Tablet form factor portable computer

9. Dielectric Property Measurements & System Check

9.1. Tissue Dielectric Parameters

The temperature of the tissue-equivalent medium used during measurement must also be within 18°C to 25°C and within $\pm 2^\circ\text{C}$ of the temperature when the tissue parameters are characterized.

The dielectric parameters must be measured before the tissue-equivalent medium is used in a series of SAR measurements. The parameters should be re-measured after each 3-4 days of use; or earlier if the dielectric parameters can become out of tolerance; for example, when the parameters are marginal at the beginning of the measurement series.

The dielectric constant (ϵ_r) and conductivity (σ) of typical tissue-equivalent media recipes are expected to be within $\pm 5\%$ of the required target values; but for SAR measurement systems that have implemented the SAR error compensation algorithms documented in IEEE Std 1528, to automatically compensate the measured SAR results for deviations between the measured and required tissue dielectric parameters, the tolerance for ϵ_r and σ may be relaxed to $\pm 10\%$. This is limited to frequencies $\leq 3\text{ GHz}$.

Tissue Dielectric Parameters

FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz

Tissue dielectric parameters for Head		
Target Frequency (MHz)	Head	
	ϵ_r	$\sigma(\text{S/m})$
750	41.9	0.89
835	41.5	0.90
1750	40.1	1.37
1800-2000	40.0	1.40
2450	39.2	1.80
2600	39.0	1.96
5200	36.0	4.66
5300	35.9	4.76
5500	35.6	4.96
5600	35.5	5.07
5800	35.3	5.27

Measurement Results:

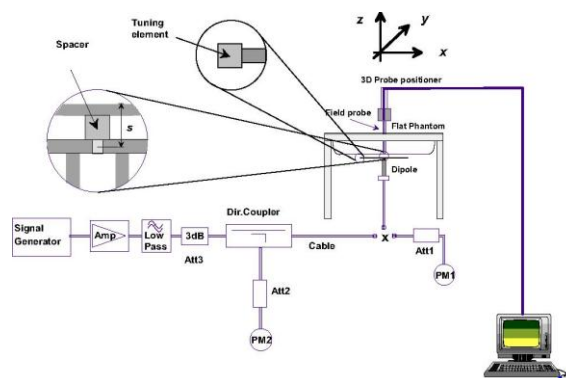
Dielectric performance of Head tissue simulating liquid									
Frequency (MHz)	ϵ_r		$\sigma(\text{S/m})$		Delta (ϵ_r)	Delta (σ)	Limit	Temp ($^\circ\text{C}$)	Date
	Target	Measured	Target	Measured					
750	41.90	41.26	0.890	0.879	-1.53%	-1.24%	$\pm 5\%$	22.7	2025/7/18
835	41.50	40.88	0.900	0.896	-1.50%	-0.44%	$\pm 5\%$	22.0	2025/7/18
1750	40.10	39.43	1.370	1.349	-1.68%	-1.53%	$\pm 5\%$	22.4	2025/7/21
1900	40.00	39.35	1.400	1.377	-1.63%	-1.64%	$\pm 5\%$	22.1	2025/7/18
2450	39.20	38.56	1.800	1.771	-1.63%	-1.61%	$\pm 5\%$	22.1	2025/7/21
2600	39.00	38.37	1.960	1.932	-1.61%	-1.43%	$\pm 5\%$	22.6	2025/7/22
5250	35.93	35.34	4.706	4.629	-1.63%	-1.64%	$\pm 5\%$	22.6	2025/7/21
5750	35.36	34.78	5.219	5.134	-1.64%	-1.63%	$\pm 5\%$	22.3	2025/7/22

9.2. System Check

SAR system verification is required to confirm measurement accuracy, according to the tissue dielectric media, probe calibration points and other system operating parameters required for measuring the SAR of a test device. The system verification must be performed for each frequency band and within the valid range of each probe calibration point required for testing the device. The same SAR probe(s) and tissue-equivalent media combinations used with each specific SAR system for system verification must be used for device testing. When multiple probe calibration points are required to cover substantially large transmission bands, independent system verifications are required for each probe calibration point. A system verification must be performed before each series of SAR measurements using the same probe calibration point and tissue-equivalent medium. Additional system verification should be considered according to the conditions of the tissue-equivalent medium and measured tissue dielectric parameters, typically every three to four days when the liquid parameters are re-measured or sooner when marginal liquid parameters are used at the beginning of a series of measurements.

System Performance Check Measurement Conditions:

- The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: 2.0 ± 0.2 mm (bottom plate) filled with Body or Head simulating liquid of the following parameters.
- The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm for measurements > 3 GHz.
- The DASY system with an E-Field Probe was used for the measurements.
- The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom). The standard measuring distance was 10 mm (above 1 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.
- The coarse grid with a grid spacing of 15 mm was aligned with the dipole.
For 5 GHz band - The coarse grid with a grid spacing of 10 mm was aligned with the dipole.
- Special 7x7x7 (below 3 GHz) and/or 8x8x7 (above 3 GHz) fine cube was chosen for the cube.
- The results are normalized to 1 W input power.



System Performance Check Setup

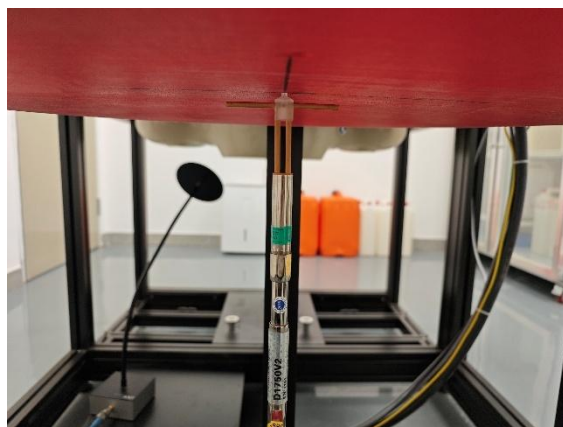


Photo of Dipole Setup

Measurement Results:

Head											
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (°C)	Date
	Target 1W	Normalize to 1W	Measured 250mW	Target 1W	Normalize to 1W	Measured 250mW					
750	8.32	8.04	2.01	5.48	5.28	1.32	-3.37%	-3.65%	±10%	23.2	2025/7/18
835	9.53	9.20	2.30	6.13	5.88	1.47	-3.46%	-4.08%	±10%	23.1	2025/7/18
1750	36.50	33.04	8.26	19.40	17.48	4.37	-9.48%	-9.90%	±10%	23.0	2025/7/21
1900	40.80	38.52	9.63	21.10	20.00	5.00	-5.59%	-5.21%	±10%	23.7	2025/7/18
2450	53.40	51.84	12.96	24.70	23.08	5.77	-2.92%	-6.56%	±10%	23.4	2025/7/21
2600	56.40	53.60	13.40	25.30	23.04	5.76	-4.96%	-8.93%	±10%	23.5	2025/7/22
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (°C)	Date
	Target 1W	Normalize to 1W	Measured 100mW	Target 1W	Normalize to 1W	Measured 100mW					
5250	77.50	84.30	8.43	21.80	23.50	2.35	8.77%	7.80%	±10%	23.6	2025/7/21
5750	77.30	81.90	8.19	21.50	22.70	2.27	5.95%	5.58%	±10%	23.4	2025/7/22

Note:

The 1-g and 10-g SAR measured with a reference dipole, using the required tissue-equivalent medium at the test frequency, must be within ±10% of the manufacturer calibrated dipole SAR target.

Plots of System Performance Check

Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

SystemPerformanceCheck-Head 750MHz

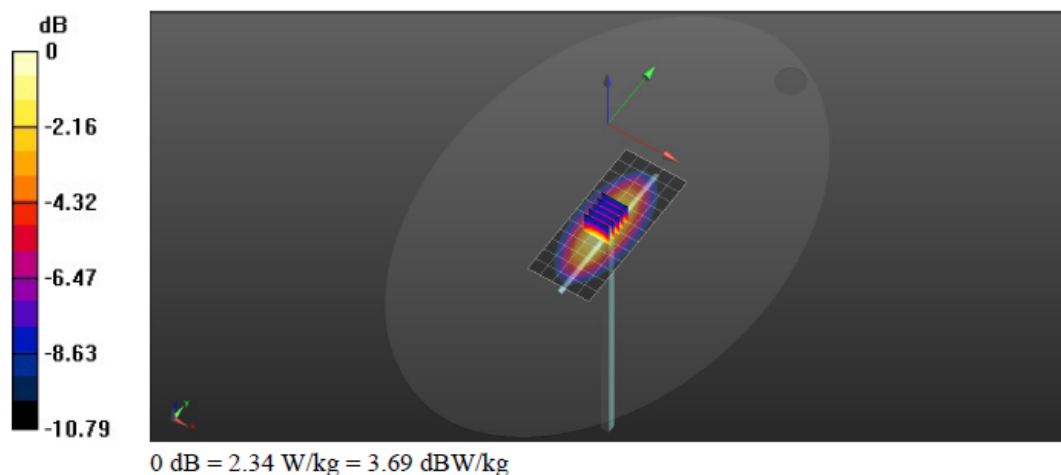
Communication System: UID 0, A-CW (0); Frequency: 750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 750$ MHz; $\sigma = 0.879$ S/m; $\epsilon_r = 41.258$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Ambient Temperature: 23.2°C; Liquid Temperature: 22.7°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.55, 10.55, 10.55) @ 750 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=15mm, Pin=250mW/Area Scan (6x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.00 W/kg

Head/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 53.12 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.32 W/kg
Smallest distance from peaks to all points 3 dB below = 18.7 mm
Ratio of SAR at M2 to SAR at M1 = 63.2%
Maximum value of SAR (measured) = 2.34 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

System Performance Check-Head 835MHz

Communication System: UID 0, CW (0); Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 40.877$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 23.1°C; Liquid Temperature: 22.0°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.2, 10.2, 10.2) @ 835 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=15mm, Pin=250mW/Area Scan (5x11x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 2.49 W/kg

Head/d=15mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.79 V/m; Power Drift = -0.07 dB

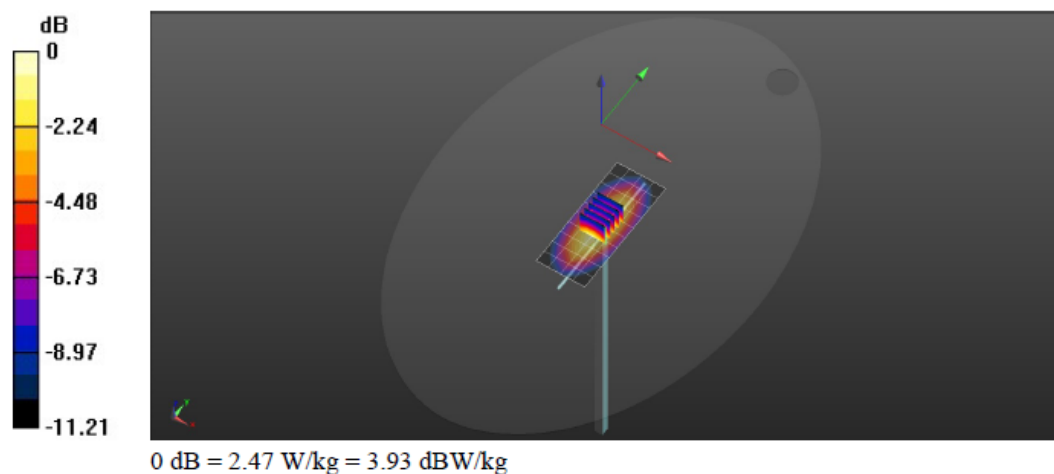
Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.47 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 63%

Maximum value of SAR (measured) = 2.47 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/21/2025

SystemPerformanceCheck-Head 1750MHz

Communication System: UID 0, CW (0); Frequency: 1750 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1750$ MHz; $\sigma = 1.349$ S/m; $\epsilon_r = 39.425$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.0°C; Liquid Temperature: 22.4°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.71, 8.71, 8.71) @ 1750 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.0 W/kg**Head/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.64 V/m; Power Drift = -0.09 dB

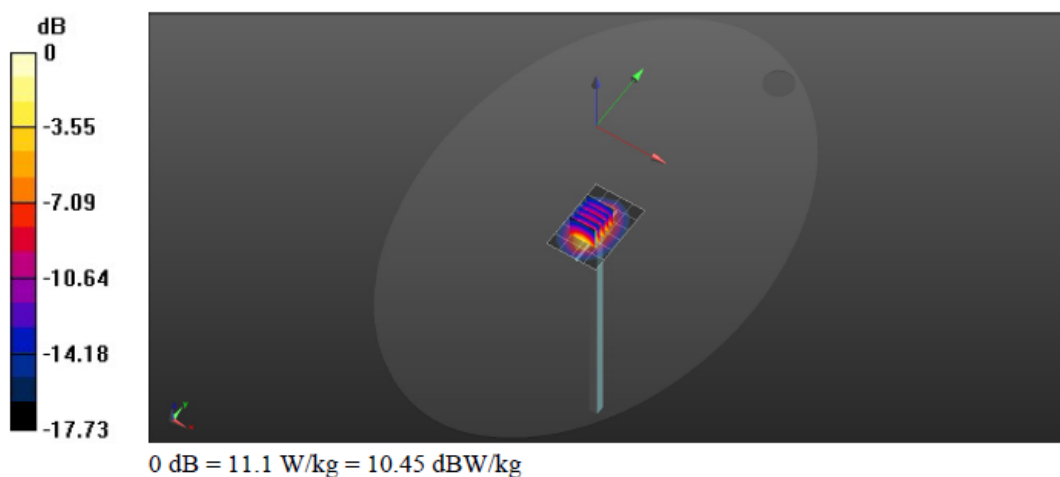
Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 8.26 W/kg; SAR(10 g) = 4.37 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.7%

Maximum value of SAR (measured) = 11.1 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

SystemPerformanceCheck-Head 1900MHz

Communication System: UID 0, CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.7°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.36, 8.36, 8.36) @ 1900 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (measured) = 11.3 W/kg

Head/d=10mm, Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.80 V/m; Power Drift = -0.09 dB

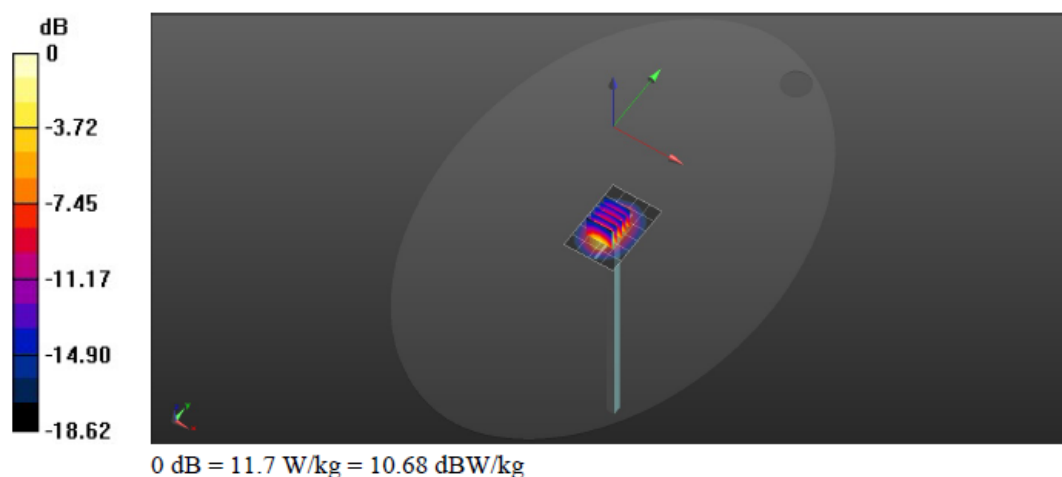
Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 9.63 W/kg; SAR(10 g) = 5 W/kg

Smallest distance from peaks to all points 3 dB below = 10.1 mm

Ratio of SAR at M2 to SAR at M1 = 54.4%

Maximum value of SAR (measured) = 11.7 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/21/2025

SystemPerformanceCheck-Head 2450MHz

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.771$ S/m; $\epsilon_r = 38.561$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.4°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.85, 7.85, 7.85) @ 2450 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=250mW/Area Scan (5x7x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 12.4 W/kg**Head/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.09 V/m; Power Drift = -0.07 dB

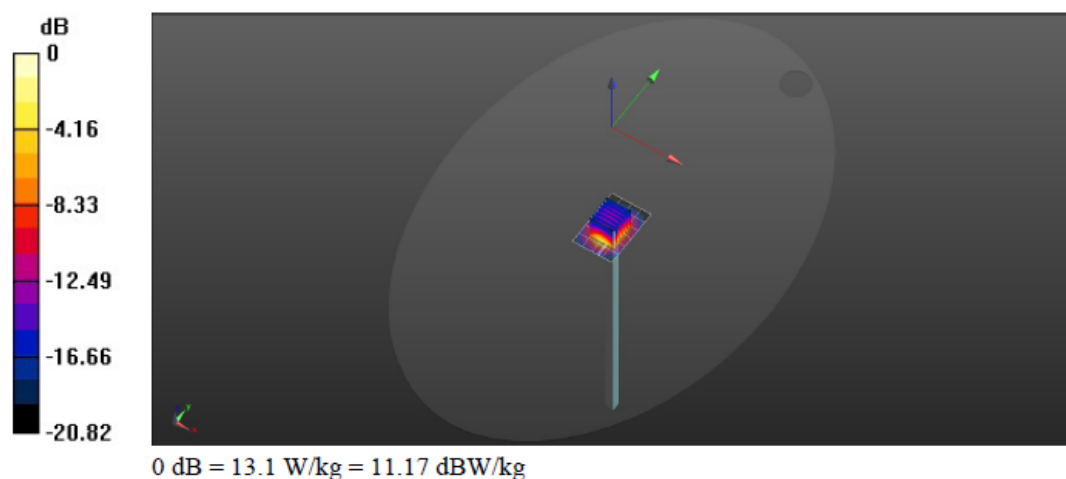
Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 12.96 W/kg; SAR(10 g) = 5.77 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 51.4%

Maximum value of SAR (measured) = 13.1 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/22/2025

System Performance Check-Head 2600MHz

Communication System: UID 0, CW (0); Frequency: 2600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2600$ MHz; $\sigma = 1.932$ S/m; $\epsilon_r = 38.373$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.5°C; Liquid Temperature: 22.6°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.66, 7.66, 7.66) @ 2600 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=250mW/Area Scan (5x6x1): Measurement grid: dx=12mm, dy=12mm
 Maximum value of SAR (measured) = 17.1 W/kg

Head/d=10mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 97.34 V/m; Power Drift = -0.04 dB

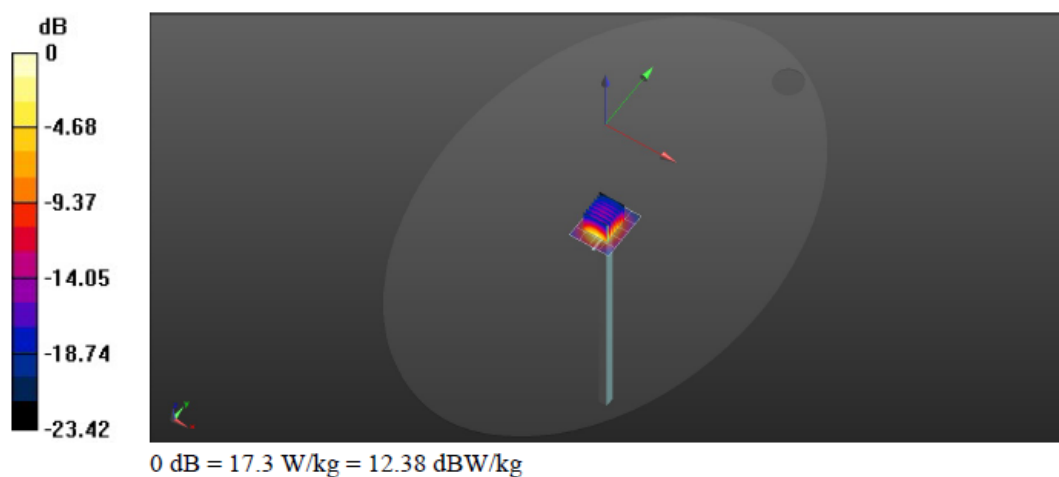
Peak SAR (extrapolated) = 21.6 W/kg

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 5.76 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 49%

Maximum value of SAR (measured) = 17.3 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/21/2025

SystemPerformanceCheck-Head 5250MHz

Communication System: UID 0, A-CW (0); Frequency: 5250 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5250$ MHz; $\sigma = 4.629$ S/m; $\epsilon_r = 35.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.6°C; Liquid Temperature: 22.6°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.5, 5.5, 5.5) @ 5250 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=100mW/Area Scan (4x4x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (measured) = 10.7 W/kg

Head/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 61.13 V/m; Power Drift = 0.09 dB

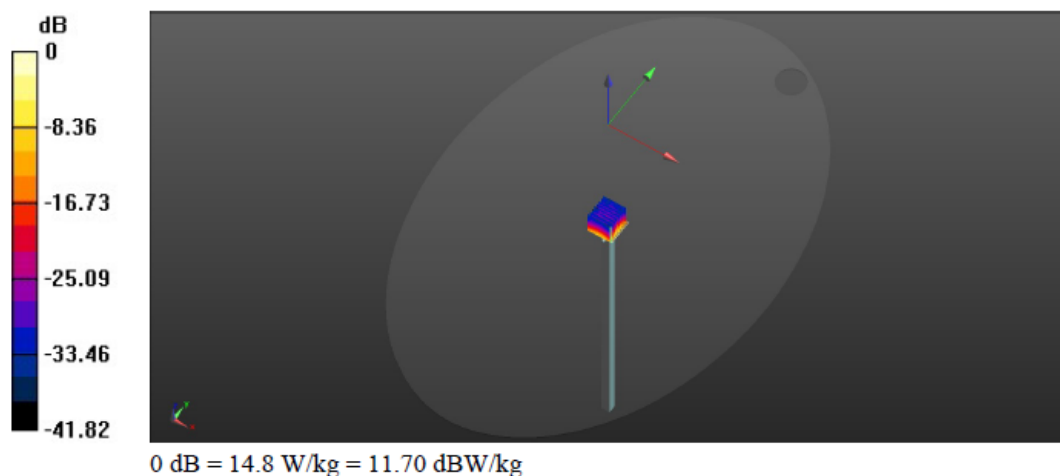
Peak SAR (extrapolated) = 24.5 W/kg

SAR(1 g) = 8.43 W/kg; SAR(10 g) = 2.35 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 66.6%

Maximum value of SAR (measured) = 14.8 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/22/2025

SystemPerformanceCheck-Head 5750MHz

Communication System: UID 0, A-CW (0); Frequency: 5750 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5750$ MHz; $\sigma = 5.134$ S/m; $\epsilon_r = 34.78$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.4°C; Liquid Temperature: 22.3°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.02, 5.02, 5.02) @ 5750 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Head/d=10mm, Pin=100mW/Area Scan (5x5x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 15.1 W/kg

Head/d=10mm, Pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 59.87 V/m; Power Drift = -0.07 dB

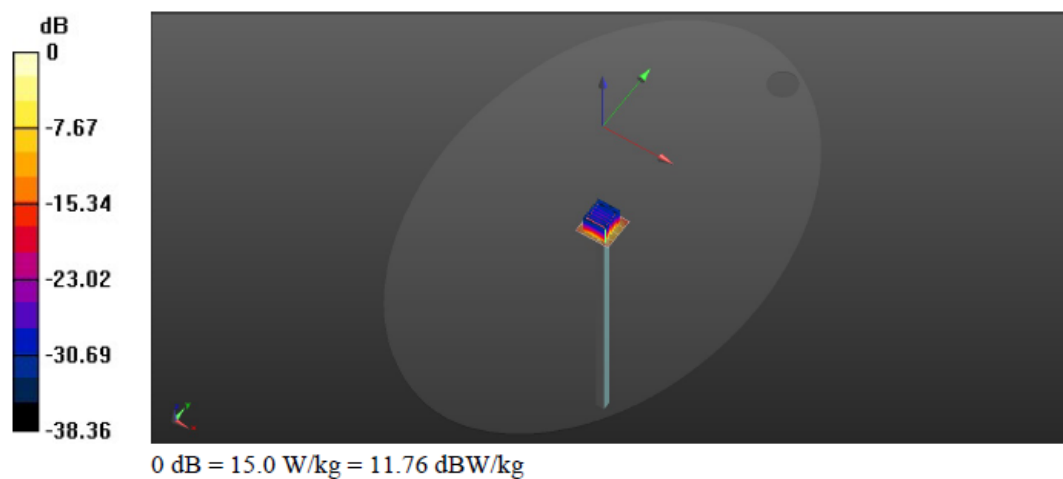
Peak SAR (extrapolated) = 27.5 W/kg

SAR(1 g) = 8.19 W/kg; SAR(10 g) = 2.27 W/kg

Smallest distance from peaks to all points 3 dB below = 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.9%

Maximum value of SAR (measured) = 15.0 W/kg



10. SAR Exposure Limits

SAR assessments have been made in line with the requirements of FCC 47 CFR § 2.1093.

Type Exposure	Limit (W/kg)	
	General Population/ Uncontrolled Exposure Environment	Occupational/ Controlled Exposure Environment
Spatial Average SAR (whole body)	0.08	0.4
Spatial Peak SAR (1g cube tissue for head and trunk)	1.6	8.0
Spatial Peak SAR (10g for limb)	4.0	20.0

Note:

1. *Population/Uncontrolled Environments: are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.*
2. *Occupational/Controlled Environments: are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).*

11. Conducted Power Measurement Results and Tune-up

Please refer to Appendix Report

Note:

GSM

1. Per KDB 447498 D04, the maximum output power channel is used for SAR testing and further SAR test reduction.
2. Per KDB 941225 D01, considering the possibility of e.g. 3rd party VoIP operation for Head and Body-worn SAR test reduction for GSM and GPRS modes is determined by the source-base time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
3. Per KDB941225 D01, for hotspot SAR test reduction for GPRS modes is determined by the source-based time-averaged output power including tune-up tolerance, For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

WCDMA

1. The following tests were conducted according to the test requirements outlines in 3GPP TS34.121 specification.
2. The procedures in KDB 941225 D01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode to determine SAR test exclusion

A summary of the setting are illustrated below:

HSDPA Setup Configuration:

- a) The EUT was connected to base station RS CMU200 referred to the setup configuration
- b) The RF path losses were compensated into the measurements
- c) A call was established between EUT and base station with following setting:
 - i. Set Gain Factors (β_c and β_d) and parameters were set according to each specific sub-test in the following table, C10.1.4, Quoted from the TS 34.121
 - ii. Set RMC 12.2Kbps + HSDPA mode
 - iii. Set Cell Power=-86dBm
 - iv. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
 - v. Select HSDPA uplink parameters
 - vi. Set Delta ACK, Delta NACK and Delta CQI=8
 - vii. Set Ack-Nack repetition Factor to 3
 - viii. Set CQI Feedback Cycle (K) to 4ms
 - ix. Set CQI repetition factor to 2
 - x. Power ctrl mode= all up bits
- d) The transmitter maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and $\Delta_{NACK} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$, and $\Delta_{CQI} = 24/15$ with $\beta_{HS} = 24/15 * \beta_c$.

Note 3: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 11/15$ and $\beta_d = 15/15$.

Setup Configuration**HSUPA Setup Configuration:**

- The EUT was connected to base station RS CMU200 referred to the setup configuration
- The RF path losses were compensated into the measurements
- A call was established between EUT and base station with following setting:
 - Call configs = 5.2b, 5.9b, 5.10b, and 5.13.2B with QPSK
 - Set Gain Factors (β_c and β_d) and parameters (AG index) were set according to each specific sub-test in the following table, C11.1.3, Quoted from the TS 34.121
 - Set Cell Power=-86dBm
 - Set channel type= 12.2Kbps + HSPA mode
 - Set UE Target power
 - Set Ctrl mode=Alternating bits
 - Set and observe the E-TFCI
 - Confirm that E-TFCI is equal the target E-TFCI of 75 for Sub-test 1, and other subtest's E-TFCI
- The transmitter maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note 1)	β_{EC}	β_{ED} (Note 5) (Note 6)	β_{ED} (SF)	β_{ED} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E- TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/25	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ED1} : 47/15 β_{ED2} : 47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

- Note 1: Δ_{ACK} , Δ_{NACK} and $\Delta_{CQI} = 30/15$ with $\beta_{HS} = 30/15 * \beta_c$.
- Note 2: CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{HS}/\beta_c = 24/15$. For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPCCH and E-DPCCH the MPR is based on the relative CM difference.
- Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 10/15$ and $\beta_d = 15/15$.
- Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to $\beta_c = 14/15$ and $\beta_d = 15/15$.
- Note 5: In case of testing by UE using E-DPCCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.
- Note 6: β_{ED} can not be set directly, it is set by Absolute Grant Value.

LTE**General:**

1. CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel, bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r03, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r03, 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.
4. Per KDB 941225 D05v02r03, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.

Wi-Fi

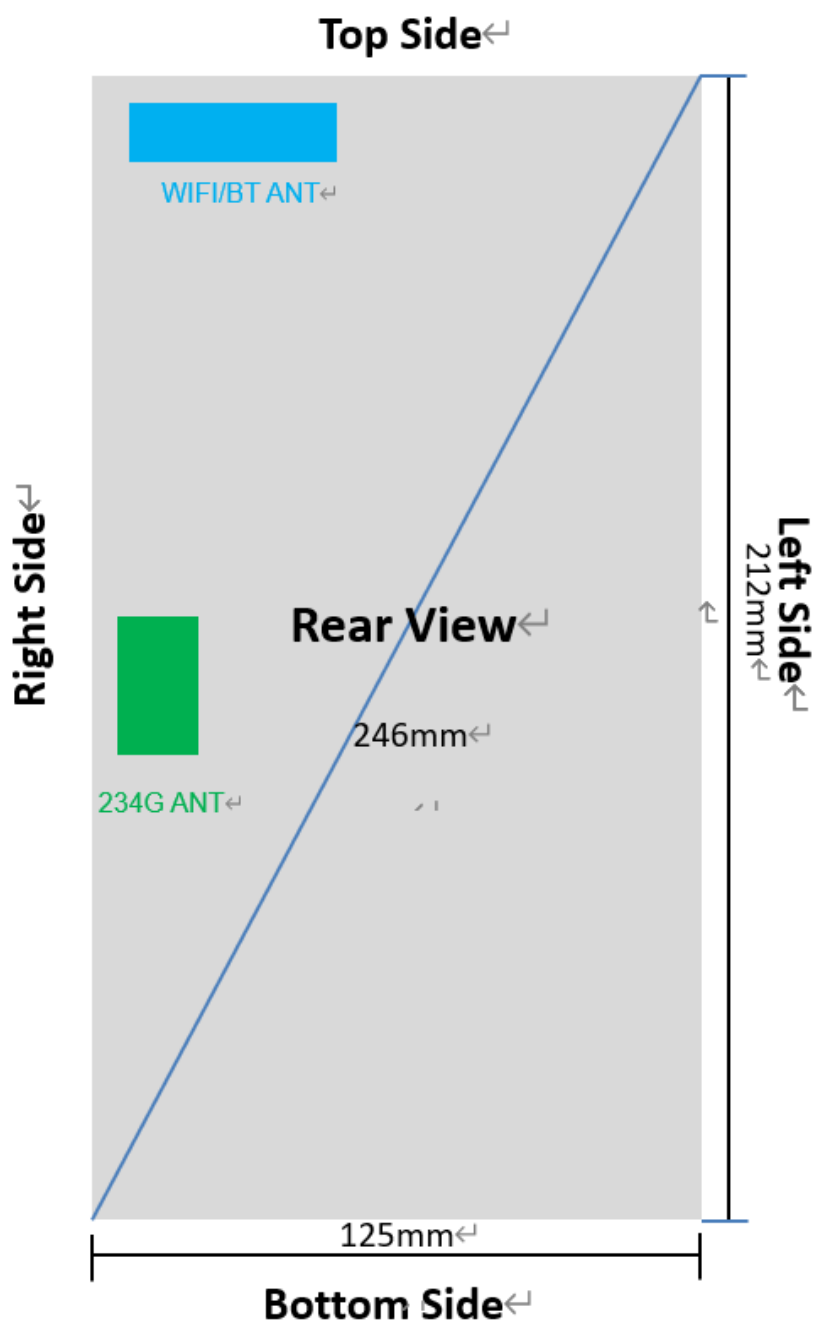
For 2.4GHz Wi-Fi SAR testing, highest average RF output power channel for the lowest data rate for 802.11b were for SAR evaluation.

The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.

SAR testing is not required for OFDM mode(s) when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

12. RF Exposure Conditions (Test Configurations)

12.1. Antenna Location



12.2. Standalone SAR test exclusion considerations

KDB 447498 D04 Appendix B:

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B.2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Tx Interface	Frequency (GHz)	Output Power		separation distances (mm)					Calculated Threshold Value(mW)				
		dBm	mW	Rear	Left	Right	Top	Bottom	Rear	Left	Right	Top	Bottom
GPRS850 2Tx slots	0.8488	23.48	222.8	5	110	5	80	100	9.0 Measured	738.8 Exempt	9.0 Measured	469.3 Exempt	645.0 Exempt
GPRS1900 3Tx slots	1.9098	21.24	133.0	5	110	5	80	100	3.3 Measured	1013.7 Exempt	3.3 Measured	562.7 Exempt	850.0 Exempt
WCDMA Band II	1.8800	22.00	158.5	5	110	5	80	100	3.4 Measured	1015.7 Exempt	3.4 Measured	564.5 Exempt	852.0 Exempt
WCDMA Band V	0.8366	21.50	141.3	5	110	5	80	100	9.2 Measured	732.3 Exempt	9.2 Measured	466.6 Exempt	639.9 Exempt
LTE Band 2	1.8600	23.00	199.5	5	110	5	80	100	3.4 Measured	1017.1 Exempt	3.4 Measured	565.7 Exempt	853.3 Exempt
LTE Band 4	1.7450	23.00	199.5	5	110	5	80	100	3.6 Measured	1025.6 Exempt	3.6 Measured	572.9 Exempt	861.6 Exempt
LTE Band 7	2.5100	24.50	281.8	5	110	5	80	100	2.7 Measured	978.3 Exempt	2.7 Measured	533.0 Exempt	815.7 Exempt
LTE Band 12	0.7040	23.00	199.5	5	110	5	80	100	11.7 Measured	659.1 Exempt	11.7 Measured	435.3 Exempt	582.1 Exempt
LTE Band 17	0.7110	23.00	199.5	5	110	5	80	100	11.6 Measured	663.1 Exempt	11.6 Measured	437.0 Exempt	585.3 Exempt
WIFI 2.4G	2.4120	16.00	39.8	5	73	34	5	204	2.8 Measured	451.5 Exempt	105.8 Exempt	2.8 Measured	3060 Exempt
WIFI 5G U-NII-1	5.1800	14.50	28.2	5	73	34	5	204	1.5 Measured	381.9 Exempt	78.9 Exempt	1.5 Measured	3060 Exempt
WIFI 5G U-NII-3	5.7450	15.00	31.6	5	73	34	5	204	1.4 Measured	373.4 Exempt	75.8 Exempt	1.4 Measured	3060 Exempt
Bluetooth	2.4020	7.50	5.6	5	73	34	5	204	2.8 Measured	451.9 Exempt	106.0 Exempt	2.8 Measured	3060 Exempt

12.3. Required Test Configurations

The table below identifies the standalone test configurations required for this device according to the findings in Section 12.2:

Test Configurations	Rear	Left	Right	Top	Bottom
GPRS850 2Tx slots	Yes	No	Yes	No	No
GPRS1900 3Tx slots	Yes	No	Yes	No	No
WCDMA Band II	Yes	No	Yes	No	No
WCDMA Band V	Yes	No	Yes	No	No
LTE B2	Yes	No	Yes	No	No
LTE B4	Yes	No	Yes	No	No
LTE B7	Yes	No	Yes	No	No
LTE B12	Yes	No	Yes	No	No
LTE B17	Yes	No	Yes	No	No
WIFI 2.4G	Yes	No	No	Yes	No
WIFI 5G U-NII-1	Yes	No	No	Yes	No
WIFI 5G U-NII-3	Yes	No	No	Yes	No
Bluetooth	Yes	No	No	Yes	No

13. Measured and Reported SAR Results

Measurement Results:

Please refer to Appendix Report

Measurement data plots:

Please refer to Appendix D

Note:

SAR Test Reduction criteria are as follows:

- Reported SAR(W/kg) for WWAN = Measured SAR * Tune-up Scaling Factor
- Reported SAR(W/kg) for Wi-Fi and Bluetooth = Measured SAR * Tune-up scaling factor * Duty Cycle scaling factor
- Duty Cycle scaling factor = 1 / Duty cycle (%)

KDB 447498 D04 Interim General RF Exposure Guidance v01:

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:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 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
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz

KDB 941225 D01 SAR test for 3G SAR Test Reduction Procedure:

When the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

GSM Guidance

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Please refer to section 9. for GSM power verification.

SAR is not required for EDGE (8PSK) mode because the maximum output power and tune-up limit is $\leq \frac{1}{4}$ dB higher than GPRS/EDGE (GMSK) or the adjusted SAR of the highest reported SAR of GPRS/EDGE (GMSK) is ≤ 1.2 W/kg.

W-CDMA Guidance

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC (Head) and other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC (Body-Worn Accessory) as the primary mode.

Per KDB 941225 D01 RMC12.2Kbps setting is used to evaluate SAR. If the maximum output power and Tune-up tolerance specified for production units in HSDPA/HSUPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA to RMC 12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA.

KDB 941225 D05 SAR for LTE Devices:

SAR test reduction is applied using the following criteria:

- Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB, and 50% RB allocation,

using the RB offset and required test channel combination with the highest maximum output power among 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 for other Channels is performed at the highest output power level for 1RB, and 50% RB configuration for that channel.
- Testing for 100% RB configuration is performed at the highest output power level for 100% RB configuration across the Low, Mid and High Channel when the highest reported SAR for 1 RB and 50% RB are > 0.8 W/kg. Testing for the remaining required channels is not needed because the reported SAR for 100% RB Allocation < 1.45 W/kg.
- Testing for 16-QAM and 64-QAM modulation is not required because the reported SAR for QPSK is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of QPSK.
- Testing for the other channel bandwidths is not required because the reported SAR for the highest channel bandwidth is < 1.45 W/Kg and its output power is not more than 0.5 dB higher than that of the highest channel bandwidth.

KDB 248227 D01 SAR meas for 802.11:

When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR must be scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

SAR test reduction for 802.11 Wi-Fi transmission mode configurations are considered separately for DSSS and OFDM. An initial test position is determined to reduce the number of tests required for certain exposure configurations with multiple test positions. An initial test configuration is determined for each frequency band and aggregated band according to maximum output power, channel bandwidth, wireless mode configurations and other operating parameters to streamline the measurement requirements. For 2.4 GHz DSSS, either the initial test position or DSSS procedure is applied to reduce the number of SAR tests; these are mutually exclusive. For OFDM, an initial test position is only applicable to next to the ear, UMPC mini-tablet and hotspot mode configurations, which is tested using the initial test configuration to facilitate test reduction. For other exposure conditions with a fixed test position, SAR test reduction is determined using only the initial test configuration.

The multiple test positions require SAR measurements in head, hotspot mode or UMPC mini-tablet configurations may be reduced according to the highest reported SAR determined using the initial test position(s) by applying the DSSS or OFDM SAR measurement procedures in the required wireless mode test configuration(s). The initial test position(s) is measured using the highest measured maximum output power channel in the required wireless mode test configuration(s). When the reported SAR for the initial test position is:

- ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.
- > 0.4 W/kg, SAR is repeated using the same wireless mode test configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions are tested.
 - For subsequent test positions with equivalent test separation distance or when exposure is dominated by coupling conditions, the position for maximum coupling condition should be tested.
 - When it is unclear, all equivalent conditions must be tested.
- For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required test channels are considered.
 - The additional power measurements required for this step should be limited to those necessary for identifying subsequent highest output power channels to apply the test reduction.
- When the specified maximum output power is the same for both UNII 1 and UNII 2A, begin SAR measurements in UNII 2A with the channel with the highest measured output power. If the reported SAR for UNII 2A is ≤ 1.2 W/kg, SAR is not required for UNII 1; otherwise treat the remaining bands separately and test them independently for SAR.
- When the specified maximum output power is different between UNII 1 and UNII 2A, begin SAR with the band that has the higher specified maximum output. If the highest reported SAR for the band with the highest specified power is ≤ 1.2 W/kg, testing for the band with the lower specified output power is not required; otherwise test the remaining bands independently for SAR.

To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

14. Simultaneous Transmission analysis

No.	Simultaneous Transmission Configurations	Body	Note
1	GSM(voice) + Bluetooth (data)	Yes	
2	GSM(voice) + WLAN (data)	Yes	
3	WCDMA(voice) + Bluetooth (data)	Yes	
4	WCDMA(voice) + WLAN (data)	Yes	
5	GPRS (data) + Bluetooth (data)	Yes	
6	GPRS (data) + WLAN (data)	Yes	
7	WCDMA (data) + Bluetooth (data)	Yes	
8	WCDMA (data) + WLAN (data)	Yes	
9	LTE + Bluetooth (data)	Yes	
10	LTE + WLAN (data)	Yes	

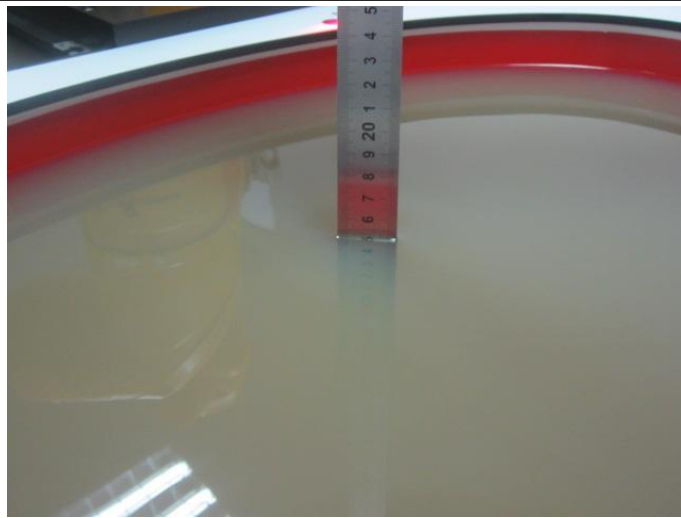
General note:

1. WLAN and Bluetooth share the same antenna, and cannot transmit simultaneously.
2. EUT will choose either GSM or WCDMA LTE according to the network signal condition; therefore, they will not operate simultaneously at any moment.
3. The reported SAR summation is calculated based on the same configuration and test position

Simultaneous Transmission data:

Please refer to Appendix Report

15. Test Setup Photos



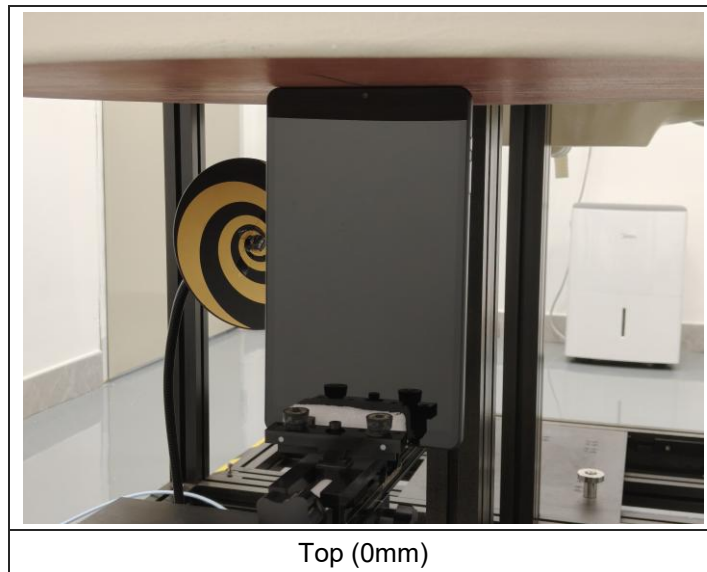
Liquid depth in the ELI phantom



Rear (0mm)



Right (0mm)



16. External and Internal Photos of the EUT

Please reference to the report No.: CHTW25070051

--- End of Report ---

Project No.	SHT2506018301W		
Test sample No.	YPHT25060183001	Model No.	Star9 Max
Start test date	2025/7/18	Finish date	2025/7/22
Temperature	23.5°C	Humidity	59.60%
Test Engineer	Jiaxing Si	Auditor	<i>Xiaodong Zhu</i>

Appendix clause	Test Item	Result
A	Conducted Power Measurement Results	PASS
B	SAR Measurement Results	PASS
C	Simultaneous Transmission analysis	PASS

Appendix A:Conducted Power Measurement Results-GSM

GSM850		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH128	CH190	CH251			CH128	CH190	CH251	
		824.2MHz	836.6MHz	848.8MHz			824.2MHz	836.6MHz	848.8MHz	
GSM		31.25	31.18	31.12	31.50	-9.03	22.22	22.15	22.09	22.47
GPRS (GMSK)	1Tx slot	31.54	31.64	31.66	32.00	-9.03	22.51	22.61	22.63	22.97
	2Tx slots	29.20	29.26	29.31	29.50	-6.02	23.18	23.24	23.29	23.48
	3Tx slots	27.42	27.50	27.54	28.00	-4.26	23.16	23.24	23.28	23.74
	4Tx slots	25.61	25.68	25.67	26.00	-3.01	22.60	22.67	22.66	22.99
EGPRS (8PSK)	1Tx slot	25.08	25.32	24.99	25.50	-9.03	16.05	16.29	15.96	16.47
	2Tx slots	23.94	24.28	23.99	24.50	-6.02	17.92	18.26	17.97	18.48
	3Tx slots	21.74	21.94	21.67	22.00	-4.26	17.48	17.68	17.41	17.74
	4Tx slots	19.67	19.90	19.54	20.00	-3.01	16.66	16.89	16.53	16.99

PCS1900		Burst Average Power (dBm)			Tune-up limit (dBm)	Division Factors	Frame-Average Power (dBm)			Tune-up limit (dBm)
		CH512	CH661	CH810			CH512	CH661	CH810	
		1850.2MHz	1880MHz	1909.8MHz			1850.2MHz	1880.0MHz	1909.8MHz	
GSM		28.82	29.01	28.97	29.50	-9.03	19.79	19.98	19.94	20.47
GPRS (GMSK)	1Tx slot	28.86	29.08	28.98	29.50	-9.03	19.83	20.05	19.95	20.47
	2Tx slots	26.52	26.92	27.06	27.50	-6.02	20.50	20.90	21.04	21.48
	3Tx slots	24.91	25.33	25.46	25.50	-4.26	20.65	21.07	21.20	21.24
	4Tx slots	23.01	23.45	23.56	24.00	-3.01	20.00	20.44	20.55	20.99
EGPRS (8PSK)	1Tx slot	24.97	24.91	24.93	25.00	-9.03	15.94	15.88	15.90	15.97
	2Tx slots	23.35	23.36	23.34	23.50	-6.02	17.33	17.34	17.32	17.48
	3Tx slots	21.32	21.42	21.40	21.50	-4.26	17.06	17.16	17.14	17.24
	4Tx slots	19.48	19.39	19.30	19.50	-3.01	16.47	16.38	16.29	16.49

Appendix A:Conducted Power Measurement Results-WCDMA

WCDMA Band II		Conducted Power (dBm)			Tune-up limit (dBm)
		CH9262	CH9400	CH9538	
		1852.4MHz	1880MHz	1907.6MHz	
AMR 12.2K		21.27	21.75	21.72	22.00
RMC 12.2K		21.30	21.78	21.75	22.00
HSDPA	Subtest-1	20.43	20.60	20.33	21.00
	Subtest-2	20.87	20.54	20.02	21.00
	Subtest-3	20.75	20.04	20.44	21.00
	Subtest-4	20.22	20.42	20.38	20.50
HSUPA	Subtest-1	17.96	18.81	19.20	19.50
	Subtest-2	18.44	18.91	18.99	19.00
	Subtest-3	18.28	18.93	21.08	21.50
	Subtest-4	18.53	18.81	21.03	21.50
	Subtest-5	18.95	18.92	20.93	21.00

WCDMA Band V		Conducted Power (dBm)			Tune-up limit (dBm)
		CH4132	CH4183	CH4233	
		826.4MHz	836.6MHz	846.6MHz	
AMR 12.2K		21.20	21.20	21.17	21.50
RMC 12.2K		21.23	21.23	21.20	21.50
HSDPA	Subtest-1	20.31	19.99	19.45	20.50
	Subtest-2	20.26	19.87	19.66	20.50
	Subtest-3	20.13	19.65	19.62	20.50
	Subtest-4	20.05	19.60	19.47	20.50
HSUPA	Subtest-1	19.01	18.51	18.49	19.50
	Subtest-2	18.63	19.23	18.46	19.50
	Subtest-3	18.81	18.59	20.07	20.50
	Subtest-4	18.78	18.51	20.08	20.50
	Subtest-5	18.57	18.83	19.96	20.00

LTE-FDD Band 2				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width (MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.71	22.44	22.48	23.00
			2	22.62	22.35	22.39	
			5	22.67	22.39	22.43	
		3	0	22.01	21.74	21.78	22.50
			1	21.85	21.58	21.62	
			3	21.78	21.51	21.55	
		6	0	21.93	21.66	21.70	22.00
	16QAM	1	0	22.13	21.86	21.90	22.50
			2	22.04	21.77	21.81	
			5	22.09	21.81	21.85	
		3	0	21.45	21.18	21.22	21.50
			1	21.29	21.03	21.06	
			3	21.22	20.96	21.00	
		6	0	21.37	21.11	21.14	21.50
3	QPSK	1	0	22.73	22.46	22.50	23.00
			8	22.64	22.37	22.41	
			14	22.69	22.41	22.45	
		8	0	22.03	21.76	21.80	22.50
			4	21.87	21.60	21.64	
			7	21.80	21.53	21.57	
		15	0	21.95	21.68	21.72	22.00
	16QAM	1	0	22.15	21.88	21.92	22.50
			8	22.06	21.79	21.83	
			14	22.10	21.83	21.87	
		8	0	21.46	21.20	21.24	21.50
			4	21.31	21.05	21.08	
			7	21.24	20.98	21.02	
		15	0	21.39	21.12	21.16	21.50
5	QPSK	1	0	22.75	22.47	22.51	23.00
			12	22.66	22.38	22.42	
			24	22.70	22.42	22.46	
		12	0	22.04	21.77	21.81	22.50
			6	21.88	21.61	21.65	
			13	21.82	21.55	21.59	
		25	0	21.96	21.69	21.73	22.00
	16QAM	1	0	22.17	21.89	21.93	22.50
			12	22.08	21.81	21.84	
			24	22.12	21.85	21.89	
		12	0	21.48	21.21	21.25	21.50
			6	21.32	21.06	21.10	
			13	21.26	21.00	21.03	
		25	0	21.40	21.14	21.18	21.50
10	QPSK	1	0	22.76	22.48	22.52	23.00
			24	22.67	22.39	22.43	
			49	22.71	22.43	22.47	
		25	0	22.05	21.78	21.82	22.50
			12	21.89	21.62	21.66	
			25	21.83	21.56	21.60	
		50	0	21.97	21.70	21.74	22.00
	16QAM	1	0	22.18	21.90	21.94	22.50
			24	22.09	21.82	21.86	
			49	22.13	21.86	21.90	
		25	0	21.49	21.22	21.26	21.50
			12	21.33	21.07	21.11	
			25	21.27	21.01	21.04	
		50	0	21.41	21.15	21.19	21.50

15	QPSK	1	0	22.72	22.44	22.48	23.00
			38	22.63	22.35	22.39	
			74	22.67	22.39	22.43	
		38	0	22.02	21.75	21.78	22.50
			18	21.85	21.59	21.62	
			37	21.79	21.52	21.56	
		75	0	21.94	21.67	21.71	22.00
	16QAM	1	0	22.14	21.87	21.91	22.50
			38	22.05	21.78	21.82	
			74	22.09	21.82	21.86	
		38	0	21.45	21.19	21.23	21.50
			18	21.29	21.03	21.07	
			37	21.23	20.97	21.01	
		75	0	21.37	21.11	21.15	21.50
20	QPSK	1	0	22.79	22.51	22.55	23.00
			49	22.70	22.42	22.46	
			99	22.74	22.46	22.50	
		50	0	22.08	21.81	21.85	22.50
			25	21.92	21.65	21.69	
			50	21.85	21.59	21.62	
		100	0	22.00	21.73	21.77	22.50
	16QAM	1	0	22.21	21.93	21.97	22.50
			49	22.12	21.85	21.88	
			99	22.16	21.89	21.93	
		50	0	21.52	21.25	21.29	22.00
			25	21.36	21.10	21.13	
			50	21.29	21.03	21.07	
		100	0	21.44	21.18	21.21	21.50

LTE-FDD Band 4				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.44	22.30	22.67	23.00
			2	22.35	22.21	22.58	
			5	22.39	22.25	22.63	
		3	0	21.74	21.60	21.97	22.00
			1	21.58	21.45	21.81	
			3	21.51	21.38	21.74	
		6	0	21.66	21.53	21.89	22.00
	16QAM	1	0	21.86	21.72	22.09	22.50
			2	21.77	21.64	22.01	
			5	21.81	21.68	22.05	
		3	0	21.18	21.05	21.41	21.50
			1	21.03	20.90	21.25	
			3	20.96	20.83	21.19	
		6	0	21.11	20.97	21.33	21.50
3	QPSK	1	0	22.46	22.32	22.69	23.00
			8	22.37	22.23	22.60	
			14	22.41	22.27	22.65	
		8	0	21.76	21.62	21.99	22.00
			4	21.60	21.47	21.83	
			7	21.53	21.40	21.76	
		15	0	21.68	21.55	21.91	22.00
	16QAM	1	0	21.88	21.74	22.11	22.50
			8	21.79	21.66	22.02	
			14	21.83	21.70	22.07	
		8	0	21.20	21.07	21.43	21.50
			4	21.05	20.92	21.27	
			7	20.98	20.85	21.21	
		15	0	21.12	20.99	21.35	21.50
5	QPSK	1	0	22.47	22.33	22.71	23.00
			12	22.38	22.24	22.62	
			24	22.42	22.28	22.66	
		12	0	21.77	21.64	22.00	22.50
			6	21.61	21.48	21.84	
			13	21.55	21.41	21.78	
		25	0	21.69	21.56	21.93	22.00
	16QAM	1	0	21.89	21.76	22.13	22.50
			12	21.81	21.67	22.04	
			24	21.85	21.71	22.08	
		12	0	21.21	21.08	21.44	21.50
			6	21.06	20.93	21.28	
			13	21.00	20.86	21.22	
		25	0	21.14	21.01	21.36	21.50
10	QPSK	1	0	22.48	22.34	22.72	23.00
			24	22.39	22.25	22.63	
			49	22.43	22.29	22.67	
		25	0	21.78	21.65	22.02	22.50
			12	21.62	21.49	21.85	
			25	21.56	21.42	21.79	
		50	0	21.70	21.57	21.94	22.00
	16QAM	1	0	21.90	21.77	22.14	22.50
			24	21.82	21.68	22.05	
			49	21.86	21.72	22.09	
		25	0	21.22	21.09	21.45	21.50
			12	21.07	20.94	21.29	
			25	21.01	20.87	21.23	
		50	0	21.15	21.02	21.37	21.50

15	QPSK	1	0	22.44	22.30	22.68	23.00
			38	22.35	22.21	22.59	
			74	22.39	22.25	22.63	
		38	0	21.75	21.61	21.98	22.00
			18	21.59	21.45	21.82	
			37	21.52	21.39	21.75	
		75	0	21.67	21.53	21.90	22.00
	16QAM	1	0	21.87	21.73	22.10	22.50
			38	21.78	21.64	22.01	
			74	21.82	21.68	22.05	
		38	0	21.19	21.06	21.41	21.50
			18	21.03	20.90	21.26	
			37	20.97	20.84	21.19	
		75	0	21.11	20.98	21.34	21.50
20	QPSK	1	0	22.51	22.37	22.75	23.00
			49	22.42	22.28	22.66	
			99	22.46	22.32	22.70	
		50	0	21.81	21.68	22.04	22.50
			25	21.65	21.52	21.88	
			50	21.59	21.45	21.82	
		100	0	21.73	21.60	21.96	22.00
	16QAM	1	0	21.93	21.80	22.17	22.50
			49	21.85	21.71	22.08	
			99	21.89	21.75	22.12	
		50	0	21.25	21.12	21.48	21.50
			25	21.10	20.97	21.32	
			50	21.03	20.90	21.26	
		100	0	21.18	21.04	21.40	21.50

LTE-FDD Band 7				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	23.99	23.86	23.72	24.00
			12	23.89	23.76	23.62	
			24	23.94	23.81	23.67	
		12	0	23.24	23.12	22.98	23.50
			6	23.08	22.95	22.82	
			13	23.00	22.88	22.75	
		25	0	23.16	23.04	22.90	23.50
	16QAM	1	0	23.37	23.25	23.11	23.50
			12	23.28	23.16	23.02	
			24	23.32	23.20	23.06	
		12	0	22.65	22.53	22.39	23.00
			6	22.48	22.36	22.23	
			13	22.42	22.29	22.16	
		25	0	22.57	22.45	22.31	23.00
10	QPSK	1	0	23.93	23.80	23.66	24.00
			24	23.83	23.70	23.57	
			49	23.88	23.75	23.61	
		25	0	23.19	23.06	22.93	23.50
			12	23.02	22.89	22.76	
			25	22.95	22.82	22.69	
		50	0	23.10	22.98	22.84	23.50
	16QAM	1	0	23.32	23.19	23.05	23.50
			24	23.22	23.10	22.96	
			49	23.27	23.14	23.00	
		25	0	22.59	22.47	22.34	23.00
			12	22.43	22.31	22.17	
			25	22.36	22.24	22.11	
		50	0	22.51	22.39	22.26	23.00
15	QPSK	1	0	23.95	23.82	23.68	24.00
			38	23.86	23.73	23.59	
			74	23.90	23.77	23.63	
		38	0	23.21	23.08	22.95	23.50
			18	23.04	22.92	22.78	
			37	22.97	22.85	22.71	
		75	0	23.13	23.00	22.87	23.50
	16QAM	1	0	23.34	23.21	23.08	23.50
			38	23.25	23.12	22.98	
			74	23.29	23.16	23.03	
		38	0	22.62	22.49	22.36	23.00
			18	22.45	22.33	22.20	
			37	22.38	22.26	22.13	
		75	0	22.53	22.41	22.28	23.00
20	QPSK	1	0	24.04	23.91	23.77	24.50
			49	23.94	23.81	23.67	
			99	23.99	23.86	23.72	
		50	0	23.29	23.17	23.03	23.50
			25	23.12	23.00	22.86	
			50	23.05	22.93	22.79	
		100	0	23.21	23.08	22.95	23.50
	16QAM	1	0	23.42	23.30	23.16	23.50
			49	23.33	23.20	23.07	
			99	23.37	23.25	23.11	
		50	0	22.70	22.57	22.44	23.00
			25	22.53	22.41	22.28	
			50	22.46	22.34	22.21	
		100	0	22.62	22.49	22.36	23.00

LTE-FDD Band 12				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
1.4	QPSK	1	0	22.54	22.50	22.42	23.00
			2	22.45	22.41	22.33	
			5	22.49	22.45	22.37	
		3	0	21.84	21.80	21.73	22.00
			1	21.68	21.65	21.57	
			3	21.62	21.58	21.50	
		6	0	21.76	21.73	21.65	22.00
	16QAM	1	0	21.96	21.93	21.85	22.00
			2	21.88	21.84	21.76	
			5	21.92	21.88	21.80	
		3	0	21.28	21.25	21.17	21.50
			1	21.13	21.09	21.02	
			3	21.06	21.03	20.95	
		6	0	21.21	21.17	21.09	21.50
3	QPSK	1	0	22.49	22.45	22.37	22.50
			8	22.40	22.36	22.40	
			14	22.44	22.40	22.44	
		8	0	21.79	21.75	21.79	22.00
			4	21.63	21.59	21.63	
			7	21.56	21.52	21.56	
		15	0	21.71	21.67	21.71	22.00
	16QAM	1	0	21.91	21.87	21.79	22.00
			8	21.82	21.78	21.71	
			14	21.86	21.82	21.75	
		8	0	21.23	21.19	21.12	21.50
			4	21.07	21.04	20.96	
			7	21.01	20.97	20.90	
		15	0	21.15	21.11	21.04	21.50
5	QPSK	1	0	22.51	22.47	22.39	23.00
			12	22.42	22.38	22.30	
			24	22.46	22.42	22.34	
		12	0	21.81	21.77	21.69	22.00
			6	21.65	21.61	21.54	
			13	21.58	21.55	21.47	
		25	0	21.73	21.69	21.62	22.00
	16QAM	1	0	21.93	21.89	21.82	22.00
			12	21.84	21.81	21.73	
			24	21.88	21.85	21.77	
		12	0	21.25	21.21	21.14	21.50
			6	21.10	21.06	20.98	
			13	21.03	20.99	20.92	
		25	0	21.17	21.14	21.06	21.50
10	QPSK	1	0	22.59	22.55	22.47	23.00
			24	22.50	22.46	22.38	
			49	22.54	22.50	22.42	
		25	0	21.89	21.85	21.77	22.00
			12	21.73	21.69	21.61	
			25	21.66	21.62	21.55	
		50	0	21.81	21.77	21.69	22.00
	16QAM	1	0	22.01	21.97	21.89	22.50
			24	21.92	21.88	21.81	
			49	21.96	21.93	21.85	
		25	0	21.33	21.29	21.21	21.50
			12	21.17	21.13	21.06	
			25	21.11	21.07	21.00	
		50	0	21.25	21.21	21.14	21.50

LTE-FDD Band 17				Conducted Power (dBm)			Tune-up Limit(dBm)
Band-width(MHz)	Modulation	RB allocation	RB offset	Low	Middle	High	
5	QPSK	1	0	22.56	22.68	22.73	23.00
			12	22.47	22.59	22.64	
			24	22.51	22.63	22.68	
		12	0	21.86	21.97	22.02	22.50
			6	21.70	21.81	21.86	
			13	21.63	21.75	21.80	
		25	0	21.78	21.89	21.94	22.00
	16QAM	1	0	21.98	22.10	22.15	22.50
			12	21.89	22.01	22.06	
			24	21.93	22.05	22.10	
		12	0	21.30	21.41	21.46	21.50
			6	21.14	21.25	21.30	
			13	21.08	21.19	21.24	
		25	0	21.22	21.33	21.38	21.50
10	QPSK	1	0	22.64	22.76	22.81	23.00
			24	22.55	22.67	22.72	
			49	22.59	22.71	22.76	
		25	0	21.94	22.05	22.10	22.50
			12	21.78	21.89	21.94	
			25	21.71	21.83	21.87	
		50	0	21.86	21.97	22.02	22.50
	16QAM	1	0	22.06	22.18	22.23	22.50
			24	21.97	22.09	22.14	
			49	22.01	22.13	22.18	
		25	0	21.38	21.49	21.54	22.00
			12	21.22	21.33	21.38	
			25	21.15	21.27	21.31	
		50	0	21.30	21.41	21.46	21.50

Appendix A:Conducted Power Measurement Results-WIFI/Bluetooth

WIFI 2.4G					
Mode	Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
802.11b	1	2412	17.48	15.43	16.00
	6	2437	18.13	15.23	16.00
	11	2462	16.35	14.05	14.50
802.11g	1	2412	21.01	14.40	15.00
	6	2437	21.32	14.30	15.00
	11	2462	20.27	13.22	13.50
802.11n (HT20)	1	2412	20.83	13.97	14.50
	6	2437	21.04	13.83	14.50
	11	2462	19.85	12.87	13.50
802.11n (HT40)	3	2422	20.83	13.97	14.50
	6	2437	20.98	13.76	14.50
	9	2452	21.70	14.53	15.00

WIFI 5G U-NII-1					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	36	5180	14.05	14.50
		44	5220	13.44	14.50
		48	5240	13.23	13.50
	802.11n	36	5180	14.10	14.50
		44	5220	13.27	13.50
		48	5240	13.03	13.50
	802.11a	36	5180	13.75	14.00
		44	5220	13.08	13.50
		48	5240	12.79	13.00
40	802.11ac	38	5190	13.63	14.00
		46	5230	13.20	13.50
	802.11n	38	5190	13.41	14.00
		46	5230	13.12	13.50
80	802.11ac	42	5210	13.47	14.00

WIFI 5G U-NII-3					
Bandwidth	Mode	Channel	Frequency (MHz)	Average Power (dBm)	Tune-up limit (dBm)
20	802.11ac	149	5745	14.54	15.00
		157	5785	13.66	14.00
		165	5825	13.43	14.00
	802.11n	149	5745	14.30	14.50
		157	5785	13.55	14.50
		165	5825	13.27	13.50
	802.11a	149	5745	14.13	14.50
		157	5785	13.31	13.50
		165	5825	12.97	13.50
40	802.11ac	151	5755	14.01	14.50
		159	5795	13.24	13.50
	802.11n	151	5755	13.97	14.50
		159	5795	13.15	13.50
80	802.11ac	155	5775	13.79	14.00

Bluetooth						
Mode		Channel	Frequency (MHz)	Peak Power (dBm)	Average Power (dBm)	Tune-up limit (dBm)
EDR	GFSK	0	2402	5.82	5.64	6.00
		39	2441	6.16	5.79	6.00
		78	2480	4.93	4.93	5.50
	$\pi/4$ QPSK	0	2402	6.76	6.55	7.00
		39	2441	6.44	6.43	7.00
		78	2480	5.73	5.65	6.00
	8DPSK	0	2402	7.11	6.93	7.50
		39	2441	6.73	6.42	7.00
		78	2480	6.16	5.95	6.50
BLE	GFSK	0	2402	2.57	1.68	2.00
		19	2440	3.11	2.20	2.50
		39	2480	2.26	1.81	2.00

Appendix B:SAR Measurement Results

GSM850										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 2Tx slots	Rear	128	824.2	29.20	29.50	1.072	-	-	-	-
		190	836.6	29.26	29.50	1.057	-	-	-	-
		251	848.8	29.31	29.50	1.045	-0.02	0.247	0.258	1
	Right	128	824.2	29.20	29.50	1.072	-	-	-	-
		190	836.6	29.26	29.50	1.057	-	-	-	-
		251	848.8	29.31	29.50	1.045	-0.03	0.120	0.125	-

PCS1900										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
GPRS 3Tx slots	Rear	512	1850.2	24.91	25.50	1.146	-	-	-	-
		661	1880.0	25.33	25.50	1.040	-	-	-	-
		810	1909.8	25.46	25.50	1.009	0.06	0.343	0.346	2
	Right	512	1850.2	24.91	25.50	1.146	-	-	-	-
		661	1880.0	25.33	25.50	1.040	-	-	-	-
		810	1909.8	25.46	25.50	1.009	-0.07	0.299	0.302	-

WCDMA Band II										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Rear	9262	1852.4	21.30	22.00	1.175	-	-	-	-
		9400	1880.0	21.78	22.00	1.052	-0.06	0.744	0.783	3
		9538	1907.6	21.75	22.00	1.059	-	-	-	-
	Right	9262	1852.4	21.30	22.00	1.175	-	-	-	-
		9400	1880.0	21.78	22.00	1.052	-0.06	0.678	0.713	-
		9538	1907.6	21.75	22.00	1.059	-	-	-	-

WCDMA Band V										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
RMC 12.2Kbps	Rear	4132	826.4	21.23	21.50	1.064	-	-	-	-
		4183	836.6	21.23	21.50	1.064	-0.04	0.732	0.779	4
		4233	846.6	21.20	21.50	1.072	-	-	-	-
	Right	4132	826.4	21.23	21.50	1.064	-	-	-	-
		4183	836.6	21.23	21.50	1.064	-0.06	0.720	0.766	-
		4233	846.6	21.20	21.50	1.072	-	-	-	-

LTE Band 2										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Rear	18700	1860.0	22.79	23.00	1.050	0.05	0.760	0.798	5
		18900	1880.0	22.51	23.00	1.119	-	-	-	-
		19100	1900.0	22.55	23.00	1.109	-	-	-	-
	Right	18700	1860.0	22.79	23.00	1.050	-0.04	0.740	0.777	-
		18900	1880.0	22.51	23.00	1.119	-	-	-	-
		19100	1900.0	22.55	23.00	1.109	-	-	-	-
20M QPSK 50RB	Rear	18700	1860.0	22.08	22.50	1.102	-0.06	0.705	0.777	-
		18900	1880.0	21.81	22.50	1.172	-	-	-	-
		19100	1900.0	21.85	22.50	1.161	-	-	-	-
	Right	18700	1860.0	22.08	22.50	1.102	-0.08	0.671	0.739	-
		18900	1880.0	21.81	22.50	1.172	-	-	-	-
		19100	1900.0	21.85	22.50	1.161	-	-	-	-

LTE Band 4										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Rear	20050	1720.0	22.51	23.00	1.119	-	-	-	-
		20175	1732.5	22.37	23.00	1.156	-	-	-	-
		20300	1745.0	22.75	23.00	1.059	0.08	0.734	0.777	6
	Right	20050	1720.0	22.51	23.00	1.119	-	-	-	-
		20175	1732.5	22.37	23.00	1.156	-	-	-	-
		20300	1745.0	22.75	23.00	1.059	0.12	0.699	0.740	-
20M QPSK 50RB	Rear	20050	1720.0	21.81	22.50	1.172	-	-	-	-
		20175	1732.5	21.68	22.50	1.208	-	-	-	-
		20300	1745.0	22.04	22.50	1.112	-0.09	0.667	0.742	-
	Right	20050	1720.0	21.81	22.50	1.172	-	-	-	-
		20175	1732.5	21.68	22.50	1.208	-	-	-	-
		20300	1745.0	22.04	22.50	1.112	-0.02	0.614	0.683	-

LTE Band 7										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
20M QPSK 1RB	Rear	20850	2510.0	24.04	24.50	1.112	-0.08	0.715	0.795	7
		21100	2535.0	23.91	24.50	1.146	-	-	-	-
		21350	2560.0	23.77	24.50	1.183	-	-	-	-
	Right	20850	2510.0	24.04	24.50	1.112	-0.19	0.654	0.727	-
		21100	2535.0	23.91	24.50	1.146	-	-	-	-
		21350	2560.0	23.77	24.50	1.183	-	-	-	-
20M QPSK 50RB	Rear	20850	2510.0	23.29	23.50	1.050	0.12	0.690	0.725	-
		21100	2535.0	23.17	23.50	1.079	-	-	-	-
		21350	2560.0	23.03	23.50	1.114	-	-	-	-
	Right	20850	2510.0	23.29	23.50	1.050	0.11	0.600	0.630	-
		21100	2535.0	23.17	23.50	1.079	-	-	-	-
		21350	2560.0	23.03	23.50	1.114	-	-	-	-

LTE Band 12										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Rear	23060	704.0	22.59	23.00	1.099	0.02	0.722	0.793	8
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.47	23.00	1.130	-	-	-	-
	Right	23060	704.0	22.59	23.00	1.099	0.19	0.700	0.769	-
		23095	707.5	22.55	23.00	1.109	-	-	-	-
		23130	711.0	22.47	23.00	1.130	-	-	-	-
10M QPSK 25RB	Rear	23060	704.0	21.89	22.00	1.026	-0.05	0.654	0.671	-
		23095	707.5	21.85	22.00	1.035	-	-	-	-
		23130	711.0	21.77	22.00	1.054	-	-	-	-
	Right	23060	704.0	21.89	22.00	1.026	-0.10	0.599	0.615	-
		23095	707.5	21.85	22.00	1.035	-	-	-	-
		23130	711.0	21.77	22.00	1.054	-	-	-	-

LTE Band 17										
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz					(W/kg)	(W/kg)	
10M QPSK 1RB	Rear	23780	709.0	22.64	23.00	1.086	-	-	-	-
		23790	710.0	22.76	23.00	1.057	-	-	-	-
		23800	711.0	22.81	23.00	1.045	0.01	0.755	0.789	9
	Right	23780	709.0	22.64	23.00	1.086	-	-	-	-
		23790	710.0	22.76	23.00	1.057	-	-	-	-
		23800	711.0	22.81	23.00	1.045	0.02	0.670	0.700	-
10M QPSK 25RB	Rear	23780	709.0	21.94	22.50	1.138	-	-	-	-
		23790	710.0	22.05	22.50	1.109	-	-	-	-
		23800	711.0	22.10	22.50	1.096	-0.16	0.712	0.780	-
	Right	23780	709.0	21.94	22.50	1.138	-	-	-	-
		23790	710.0	22.05	22.50	1.109	-	-	-	-
		23800	711.0	22.10	22.50	1.096	-0.07	0.688	0.754	-

WIFI 2.4G												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b	Rear	1	2412	15.43	16.00	1.140	99.29%	1.010	-0.09	0.429	0.494	10
		6	2437	15.23	16.00	1.194	99.06%	1.010	-	-	-	-
		11	2462	14.05	14.50	1.109	99.18%	1.010	-	-	-	-
	Top	1	2412	15.43	16.00	1.140	99.29%	1.010	-0.02	0.142	0.163	-
		6	2437	15.23	16.00	1.194	99.06%	1.010	-	-	-	-
		11	2462	14.05	14.50	1.109	99.18%	1.010	-	-	-	-

WIFI 5G U-NII-1												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Rear	36	5180	14.10	14.50	1.096	94.21%	1.060	-0.04	0.065	0.076	11
		44	5220	13.27	13.50	1.054	95.04%	1.050	-	-	-	-
		48	5240	13.03	13.50	1.114	95.08%	1.050	-	-	-	-
	Top	36	5180	14.10	14.50	1.096	94.21%	1.060	-0.12	0.041	0.048	-
		44	5220	13.27	13.50	1.054	95.04%	1.050	-	-	-	-
		48	5240	13.03	13.50	1.114	95.08%	1.050	-	-	-	-

WIFI 5G U-NII-3												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Rear	149	5745	14.54	15.00	1.112	94.31%	1.060	-0.06	0.053	0.062	12
		157	5785	13.66	14.00	1.081	95.08%	1.050	-	-	-	-
		165	5825	13.43	14.00	1.140	94.31%	1.060	-	-	-	-
	Top	149	5745	14.54	15.00	1.112	94.31%	1.060	0.00	0.033	0.039	-
		157	5785	13.66	14.00	1.081	95.08%	1.050	-	-	-	-
		165	5825	13.43	14.00	1.140	94.31%	1.060	-	-	-	-

Bluetooth												
Mode	Test Position	Frequency		Conducted Power (dBm)	Tune-up limit (dBm)	Tune-up scaling factor	Duty Cycle	Duty Cycle Scaling Factor	Power Drift(dB)	Measured SAR(1g)	Report SAR(1g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
EDR 8DPSK	Rear	0	2402	6.93	7.50	1.140	77.07%	1.300	-0.02	0.043	0.064	13
		39	2441	6.42	7.00	1.143	77.33%	1.290	-	-	-	-
		78	2480	5.95	6.50	1.135	77.07%	1.300	-	-	-	-
	Top	0	2402	6.93	7.50	1.140	77.07%	1.300	-0.05	0.017	0.025	-
		39	2441	6.42	7.00	1.143	77.33%	1.290	-	-	-	-
		78	2480	5.95	6.50	1.135	77.07%	1.300	-	-	-	-

Appendix C: Simultaneous Transmission analysis

WWAN + WLAN 2.4G					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN 2.4G	(W/kg)
GSM	GSM850	Rear	0.258	0.494	0.752
		Right side	0.125	-	0.125
		Top side	-	0.163	0.163
	PCS1900	Rear	0.346	0.494	0.840
		Right side	0.302	-	0.302
		Top side	-	0.163	0.163
WCDMA	Band II	Rear	0.783	0.494	1.277
		Right side	0.713	-	0.713
		Top side	-	0.163	0.163
	Band V	Rear	0.779	0.494	1.273
		Right side	0.766	-	0.766
		Top side	-	0.163	0.163
LTE	Band 2	Rear	0.798	0.494	1.292
		Right side	0.777	-	0.777
		Top side	-	0.163	0.163
	Band 4	Rear	0.777	0.494	1.271
		Right side	0.740	-	0.740
		Top side	-	0.163	0.163
	Band 7	Rear	0.795	0.494	1.289
		Right side	0.727	-	0.727
		Top side	-	0.163	0.163
	Band 12	Rear	0.793	0.494	1.287
		Right side	0.769	-	0.769
		Top side	-	0.163	0.163
	Band 17	Rear	0.789	0.494	1.283
		Right side	0.754	-	0.754
		Top side	-	0.163	0.163

WWAN + WLAN U-NII					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	WLAN U-NII	(W/kg)
GSM	GSM850	Rear	0.258	0.076	0.334
		Right side	0.125	-	0.125
		Top side	-	0.048	0.048
	PCS1900	Rear	0.346	0.076	0.422
		Right side	0.302	-	0.302
		Top side	-	0.048	0.048
WCDMA	Band II	Rear	0.783	0.076	0.859
		Right side	0.713	-	0.713
		Top side	-	0.048	0.048
	Band V	Rear	0.779	0.076	0.855
		Right side	0.766	-	0.766
		Top side	-	0.048	0.048
LTE	Band 2	Rear	0.798	0.076	0.874
		Right side	0.777	-	0.777
		Top side	-	0.048	0.048
	Band 4	Rear	0.777	0.076	0.853
		Right side	0.740	-	0.740
		Top side	-	0.048	0.048
	Band 7	Rear	0.795	0.076	0.871
		Right side	0.727	-	0.727
		Top side	-	0.048	0.048
	Band 12	Rear	0.793	0.076	0.869
		Right side	0.769	-	0.769
		Top side	-	0.048	0.048
	Band 17	Rear	0.789	0.076	0.865
		Right side	0.754	-	0.754
		Top side	-	0.048	0.048

WWAN + BT					
WWAN Band		Exposure Position	Max SAR (W/kg)		Summed SAR
			WWAN	BT	(W/kg)
GSM	GSM850	Rear	0.258	0.064	0.322
		Right side	0.125	-	0.125
		Top side	-	0.025	0.025
	PCS1900	Rear	0.346	0.064	0.410
		Right side	0.302	-	0.302
		Top side	-	0.025	0.025
WCDMA	Band II	Rear	0.783	0.064	0.847
		Right side	0.713	-	0.713
		Top side	-	0.025	0.025
	Band V	Rear	0.779	0.064	0.843
		Right side	0.766	-	0.766
		Top side	-	0.025	0.025
LTE	Band 2	Rear	0.798	0.064	0.862
		Right side	0.777	-	0.777
		Top side	-	0.025	0.025
	Band 4	Rear	0.777	0.064	0.841
		Right side	0.740	-	0.740
		Top side	-	0.025	0.025
	Band 7	Rear	0.795	0.064	0.859
		Right side	0.727	-	0.727
		Top side	-	0.025	0.025
	Band 12	Rear	0.793	0.064	0.857
		Right side	0.769	-	0.769
		Top side	-	0.025	0.025
	Band 17	Rear	0.789	0.064	0.853
		Right side	0.754	-	0.754
		Top side	-	0.025	0.025

GSM850 Body

CCommunication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1) (0); Frequency: 848.8 MHz; Duty Cycle: 1:4.10015

Medium parameters used: $f = 848.8$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 40.828$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.1°C; Liquid Temperature: 22.0°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.2, 10.2, 10.2) @ 848.6 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH251/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.408 W/kg

Rear 0mm/CH251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.516 V/m; Power Drift = -0.02 dB

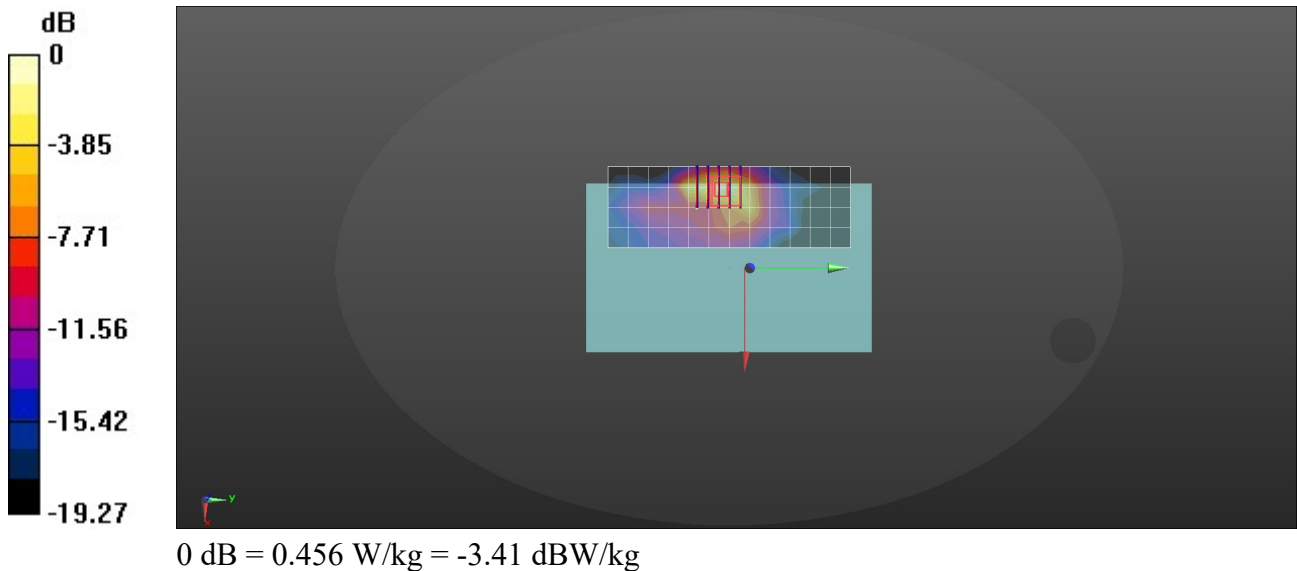
Peak SAR (extrapolated) = 0.657 W/kg

SAR(1 g) = 0.247 W/kg; SAR(10 g) = 0.115 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 39.5%

Maximum value of SAR (measured) = 0.456 W/kg



PCS1900 Body

Communication System: UID 0, Generic GPRS(TDMA, GMSK, TN 0-1-2) (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.66993

Medium parameters used: $f = 1910$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.7°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.36, 8.36, 8.36) @ 1909.8 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH810/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.486 W/kg

Rear 0mm/CH810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.731 V/m; Power Drift = 0.06 dB

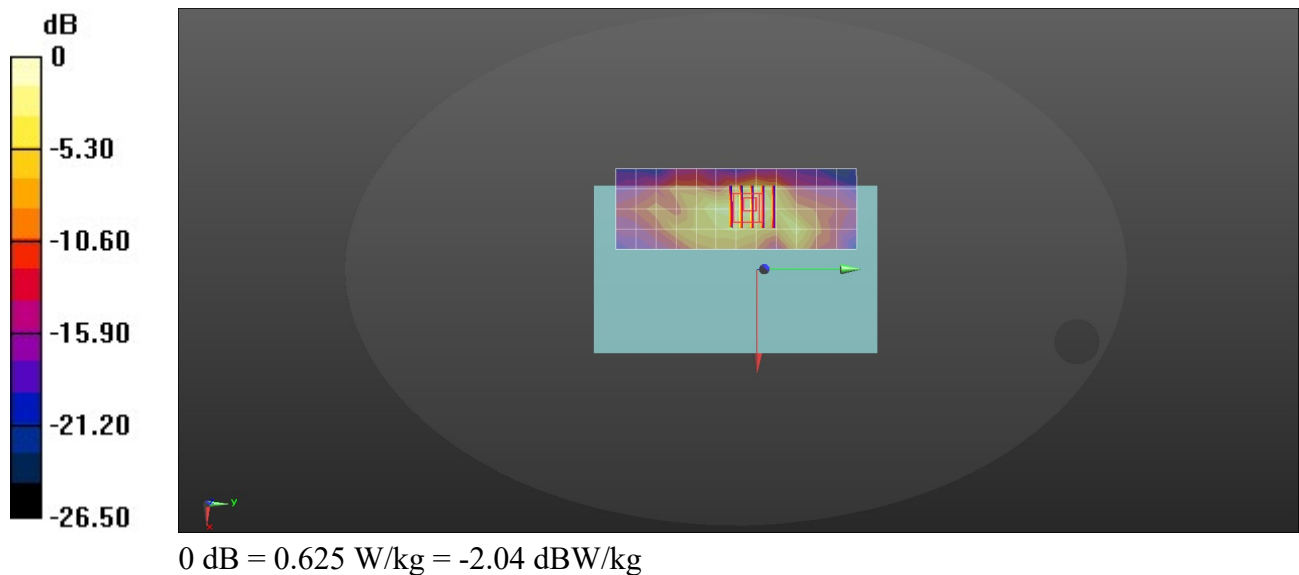
Peak SAR (extrapolated) = 0.895 W/kg

SAR(1 g) = 0.343 W/kg; SAR(10 g) = 0.158 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 39.1%

Maximum value of SAR (measured) = 0.625 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

WCDMA Band II Body

Communication System: UID 0, Generic UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.7°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.36, 8.36, 8.36) @ 1880 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH9400/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.72 W/kg

Rear 0mm/CH9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.457 V/m; Power Drift = -0.06 dB

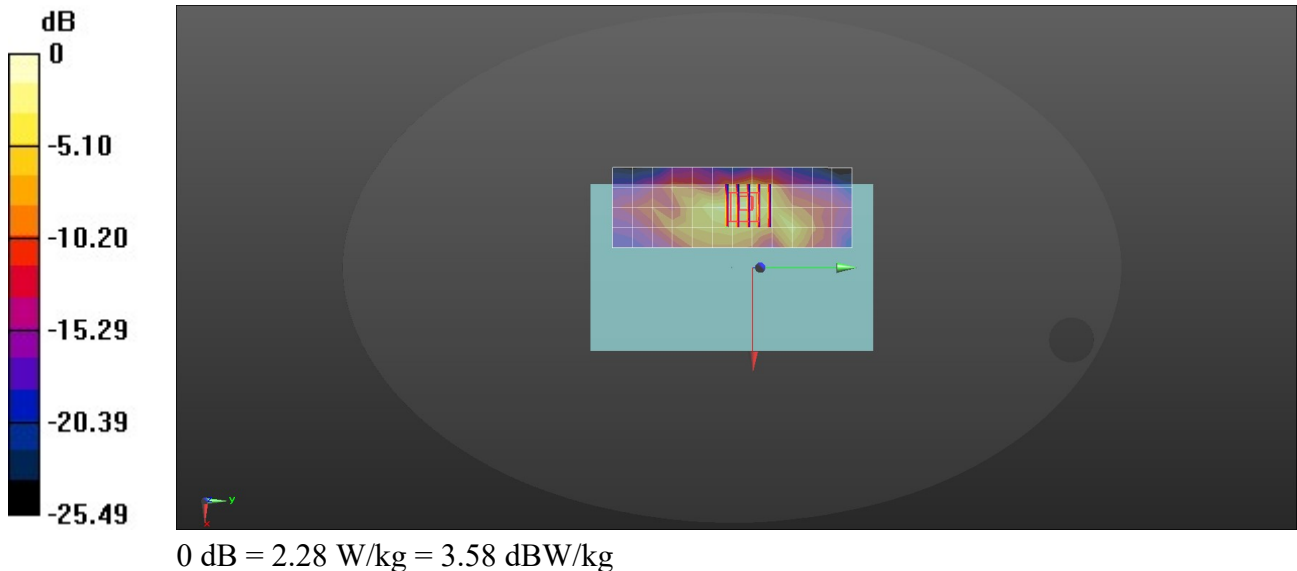
Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 0.744 W/kg; SAR(10 g) = 0.390 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 39%

Maximum value of SAR (measured) = 2.28 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

WCDMA Band V Body

Communication System: UID 0, Generic UMTS (0); Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.896$ S/m; $\epsilon_r = 40.871$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.1°C; Liquid Temperature: 22.0°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.2, 10.2, 10.2) @ 836.6 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH4183/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.33 W/kg

Rear 0mm/CH4183/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.799 V/m; Power Drift = -0.04 dB

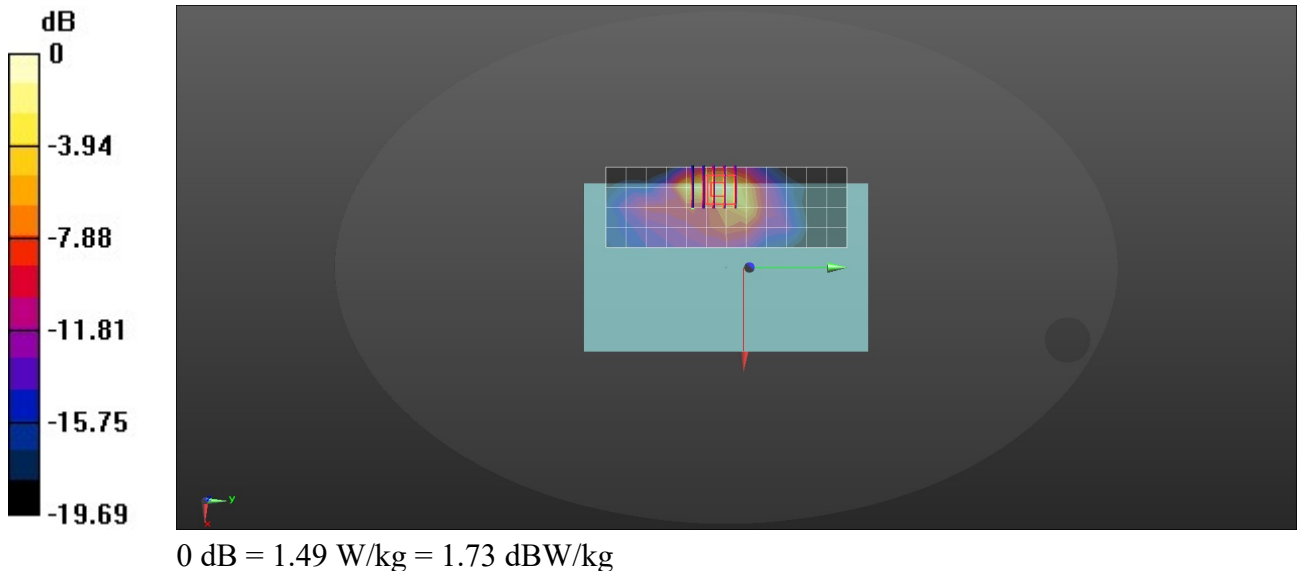
Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.347 W/kg

Smallest distance from peaks to all points 3 dB below = 9 mm

Ratio of SAR at M2 to SAR at M1 = 38.5%

Maximum value of SAR (measured) = 1.49 W/kg



Test Laboratory: Huatongwei International Inspection Co., Ltd., SAR Lab

Date: 7/18/2025

LTE Band 2 Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1860 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.7°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.36, 8.36, 8.36) @ 1860 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH18700/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.53 W/kg

Rear 0mm/CH18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.648 V/m; Power Drift = 0.05 dB

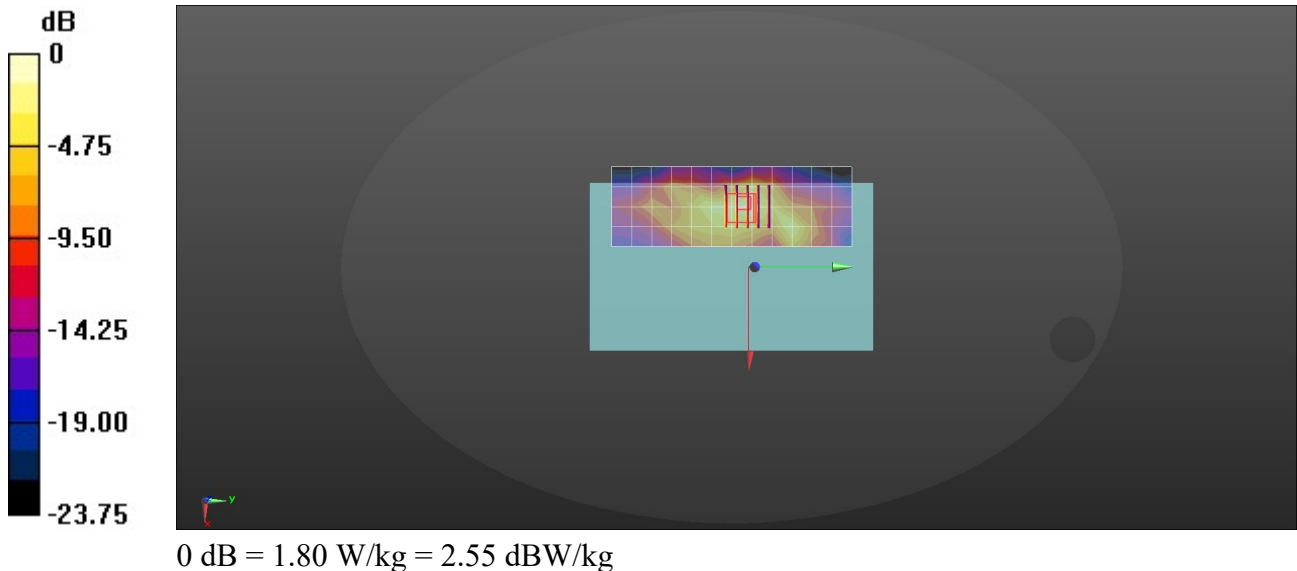
Peak SAR (extrapolated) = 2.77 W/kg

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.273 W/kg

Smallest distance from peaks to all points 3 dB below = 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 39.8%

Maximum value of SAR (measured) = 1.80 W/kg



LTE Band 4 Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 1745 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.346$ S/m; $\epsilon_r = 39.433$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.0°C; Liquid Temperature: 22.4°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.71, 8.71, 8.71) @ 1745 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH20300/Area Scan (5x13x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.27 W/kg

Rear 0mm/CH20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.375 V/m; Power Drift = 0.08 dB

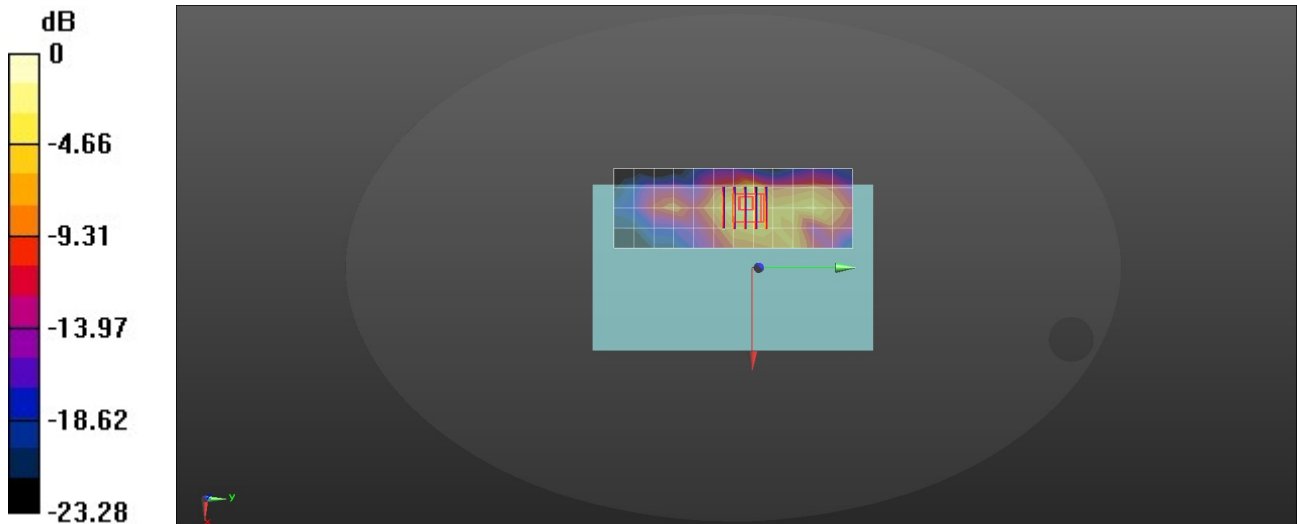
Peak SAR (extrapolated) = 3.24 W/kg

SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.297 W/kg

Smallest distance from peaks to all points 3 dB below = 10.6 mm

Ratio of SAR at M2 to SAR at M1 = 30.8%

Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.98 W/kg = 2.97 dBW/kg

LTE Band 7 Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 2510 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2510$ MHz; $\sigma = 1.835$ S/m; $\epsilon_r = 38.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.5°C; Liquid Temperature: 22.6°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.66, 7.66, 7.66) @ 2510 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH20850/Area Scan (5x11x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 1.98 W/kg

Rear 0mm/CH20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.8640 V/m; Power Drift = -0.08 dB

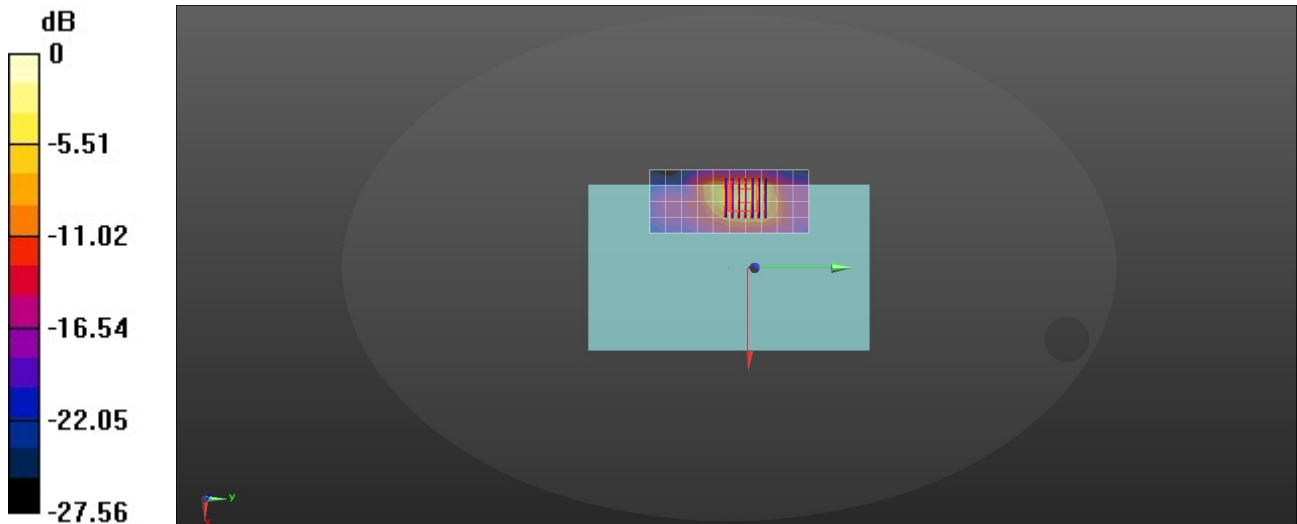
Peak SAR (extrapolated) = 4.23 W/kg

SAR(1 g) = 0.715 W/kg; SAR(10 g) = 0.281 W/kg

Smallest distance from peaks to all points 3 dB below = 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 33.5%

Maximum value of SAR (measured) = 2.75 W/kg



0 dB = 2.75 W/kg = 4.39 dBW/kg

LTE Band 12 Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 704 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 704 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 41.493$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 23.2°C ; Liquid Temperature: 22.7°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.55, 10.55, 10.55) @ 704 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH23060/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.81 W/kg

Rear 0mm/CH23060/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.85 V/m ; Power Drift = 0.02 dB

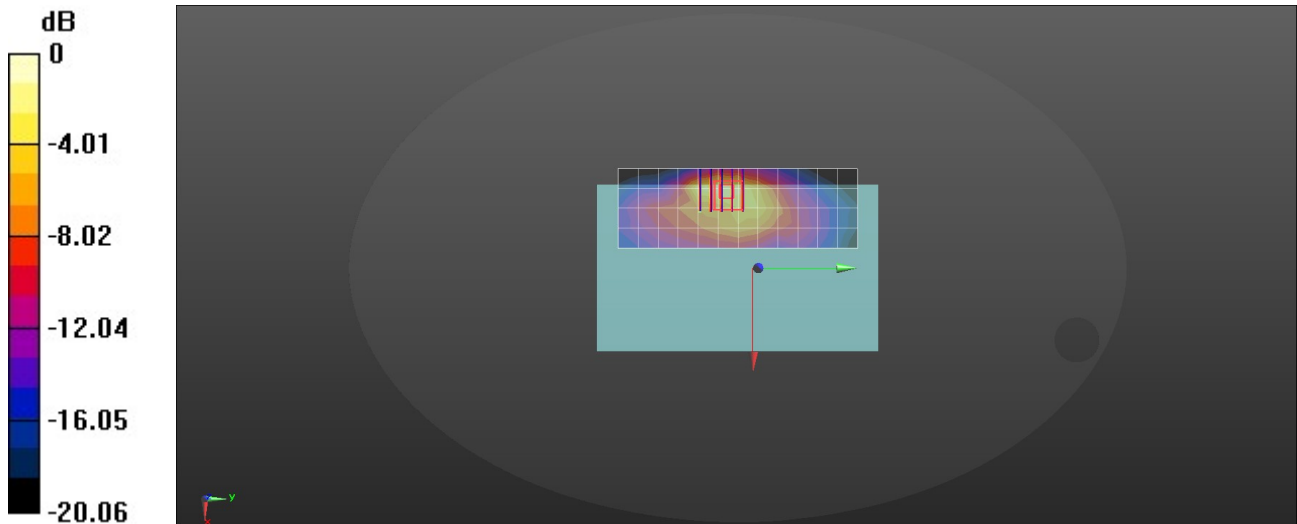
Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 0.722 W/kg ; SAR(10 g) = 0.243 W/kg

Smallest distance from peaks to all points 3 dB below = 10.4 mm

Ratio of SAR at M2 to SAR at M1 = 31.6%

Maximum value of SAR (measured) = 2.24 W/kg



0 dB = 2.24 W/kg = 3.50 dBW/kg

LTE Band 17 Body

Communication System: UID 0, Generic LTE-FDD (0); Frequency: 711 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 711 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 41.457$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient Temperature: 23.2°C ; Liquid Temperature: 22.7°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(10.55, 10.55, 10.55) @ 711 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH23800/Area Scan (5x13x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.62 W/kg

Rear 0mm/CH23800/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 11.77 V/m ; Power Drift = 0.01 dB

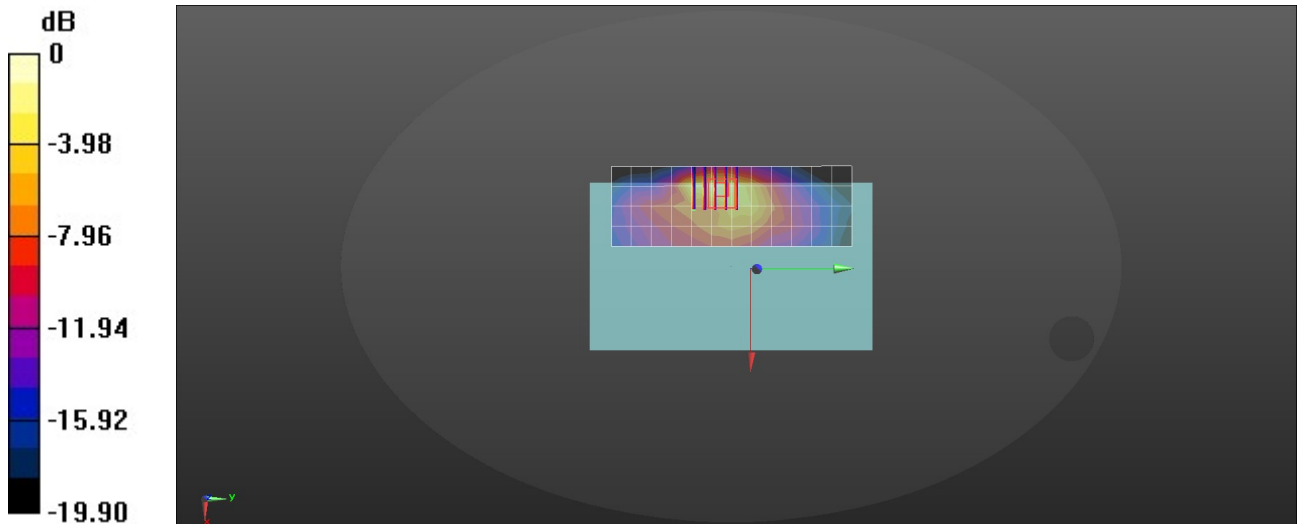
Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 0.755 W/kg ; SAR(10 g) = 0.280 W/kg

Smallest distance from peaks to all points 3 dB below = 9.6 mm

Ratio of SAR at M2 to SAR at M1 = 31.6%

Maximum value of SAR (measured) = 1.97 W/kg



0 dB = 1.97 W/kg = 2.94 dBW/kg

WIFI 2.4G Body

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2412$ MHz; $\sigma = 1.737$ S/m; $\epsilon_r = 38.627$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient Temperature: 23.4°C; Liquid Temperature: 22.1°C

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(7.85, 7.85, 7.85) @ 2412 MHz; Calibrated: 7/10/2025
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 4/21/2025
- Phantom: ELI V8.0 ; Type: QD OVA 004 AA ; Serial: 2078
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Rear 0mm/CH1/Area Scan (7x9x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.816 W/kg

Rear 0mm/CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 0.2080 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.200 W/kg

Smallest distance from peaks to all points 3 dB below = 7 mm

Ratio of SAR at M2 to SAR at M1 = 30.6%

Maximum value of SAR (measured) = 1.09 W/kg

