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TEST REPORT

For SAR

Report No. ..... :	**CHTEW23080045**	Report vertification:
Project No. ..... :	**SHT2308030902EW**	
FCC ID ..... :	**2A2C7-MC07A**	
IC ..... :	**27313-MC07A**	
Applicant's name ..... :	**Clear Touch Solutions, Inc.**	
Address.....:	1100 Thousand Oaks Blvd. Greenville, SC 29607	
Test item description ..... :	**CM100 Microphone Kit**	
Trade Mark .....:	Clear Touch	
Model/Type reference.....:	CTS-CM100-245G	
Listed Model(s) .....:	-	
Standard ..... :	**Part 2.1093; IEEE Std C95.1: 1999 Edition; IEEE Std 1528: 2013; RSS-102,Issue 5; IEC/IEEE 62209-1528:2020**	
Date of receipt of test sample.....:	Aug. 10, 2023	
Date of testing.....:	Aug. 11, 2023- Aug. 18, 2023	
Date of issue.....:	Aug. 22, 2023	
Result..... .....:	**PASS**	

Compiled by (position+printedname+signature)...:	File administrators:Xiaodong Zhao	Xiaodong Zhao
Supervised by (position+printedname+signature)...:	Test Engineer: Xiaodong Zhao	Xiaodong Zhao
Approved by (position+printedname+signature)...:	Manager: Xu Yang	Xu Yang

Testing Laboratory Name ..... :	**Shenzhen Huatongwei International Inspection Co., Ltd**
Address.....:	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

Contents

1 . Statement of Compliance

Maximum Reported SAR (W/kg @1g)					
Type	Test setting	WIFI 2.4G	WIFI 5G	BT	Simultaneous
Head	Dist.= 0mm	0.418	0.784	0.007	0.791
Body	Dist.= 0mm	0.703	0.342	0.008	0.711
Limbs	Dist.= 0mm	1.296	0.481	0.016	1.312

Note:

1. This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits specified in FCC 47 CFR part 2 (2.1093) and RSS-102.
2. This device had been tested in accordance with the measurement methods and procedures specified in IEC/IEEE 62209-1528:2020 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.
RSS-102,Iusse 5:Radio Standards Specification 102, Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), sets out the requirements and measurement techniques used to evaluate radio frequency (RF) exposure compliance of radiocommunication apparatus designed to be used within the vicinity of the human body.
IEC/IEEE 62209-1528:2020: Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-worn wireless communication devices - Human models, instrumentation and procedures (Frequency range of 4 MHz to 10 GHz)

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 Proceduresfor802.11 a/b/g Transmitters

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

2.2. Report version

Revision No.	Date of issue	Description
N/A	2023-08-22	Original

3. Summary

3.1. Client Information

Applicant:	Clear Touch Solutions, Inc.
Address:	1100 Thousand Oaks Blvd. Greenville, SC 29607
Manufacturer:	Clear Touch Solutions, Inc.
Address:	1100 Thousand Oaks Blvd. Greenville, SC 29607

3.2. Product Description

Main unit	
Name of EUT:	CM100 Microphone Kit
Trade Mark:	Clear Touch
Model No.:	CTS-CM100-245G
Listed Model(s):	-
Power supply:	3.8Vdc from 350mAh Li-ion Battery
Hardware version:	D23241
Software version:	V0.1.9
Device Dimension:	Length x Width x Thickness (mm): 63 x 25 x 17
Device Category:	Portable
Product stage:	Production unit
RF Exposure Environment:	General Population/Uncontrolled
HTW test sample No.:	YPHT23080309001

3.3. RF Specification Description

Wi-Fi 2.4G				
Support type:	☒ 802.11b	☒ 802.11g	☒ 802.11n	☒ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz		
Wi-Fi 5G				
Operation Band:	☒ U-NII-1	☐ U-NII-2A	☐ U-NII-2C	☒ U-NII-3
Support type:	☒ 802.11a	☒ 802.11n	☒ 802.11ac	☒ 802.11ax
Support bandwidth:	☒ 20MHz	☒ 40MHz	☐ 80MHz	☐ 160MHz
Bluetooth				
Support type:	☒ BR	☒ EDR	☒ BLE-1Mbps	☐ BLE-2Mbps

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China	
Connect information:	Tel: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC	762235
	Canada	5377B
	CAB identifier	CN0027

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

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	2023/03/27	2024/03/26
●	E-field Probe	SPEAG	HTWE0313-06	EX3DV4	7494	2023/04/17	2024/04/16
●	Universal Radio Communication Tester	R&S	HTWE0323	CMW500	137681	2023/05/04	2024/05/03
Tissue-equivalent liquids Validation							
●	Dielectric Assessment Kit	SPEAG	HTWE0315-02	DAK-3.5	1267	N/A	N/A
●	Network analyzer	Keysight	HTWE0331	E5071C	MY46733048	2022/08/29	2023/08/28
System Validation							
●	System Validation Dipole	SPEAG	HTWE0314-07	D2450V2	1009	2021/01/25	2024/01/24
●	System Validation Dipole	SPEAG	HTWE0314-09	D5GHzV2	1273	2021/01/26	2024/01/25
●	Signal Generator	R&S	HTWE0276	SMB100A	114360	2023/05/23	2024/05/22
●	Power Viewer for Windows	R&S		N/A	N/A	N/A	N/A
●	Power sensor	R&S	HTWE0278	NRP18A	101010	2023/05/23	2024/05/22
●	Power sensor	R&S	HTWE0389	NRP18A	101386	2023/03/29	2024/03/28
●	Power Amplifier	BONN	HTWE0336	BLWA 0160-2M	1811887	2022/11/10	2023/11/09
●	Dual Directional Coupler	Mini-Circuits	HTWE0335	ZHDC-10-62-S+	F975001814	2022/11/10	2023/11/09
●	Attenuator	Mini-Circuits	HTWE0333	VAT-3W2+	1819	2022/11/10	2023/11/09
●	Attenuator	Mini-Circuits	HTWE0334	VAT-10W2+	1741	2022/11/10	2023/11/09

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 justifcatio. The dipole are also not physically damaged or repaired during the interval.*

5. Measurement Uncertainty

Measurement uncertainty evaluation for DUT SAR test IEC/IEEE 62209-1528（300M-6GHz）								
Symbol	Error Description	Uncert. Value	Prob. Dist.	Div.	(Ci) (1g)	(Ci) (10g)	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
CF	Probe Calibration	±12.7%	N	2	1	1	±6.35%	±6.35%
CF_{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	1	1	±2.7%	±2.7%
BBS	Broadband Signal	±2.8%	R	$\sqrt{3}$	1	1	±1.6%	±1.6%
ISO	Probe Isotropy	±7.6%	R	$\sqrt{3}$	1	1	±4.4%	±4.4%
DAE	Other Probe+Electronic	±0.8%	N	1	1	1	±0.8%	±0.8%
AMB	RF Ambient	±1.8%	N	1	1	1	±1.8%	±1.8%
Δ_{sys}	Probe Positioning	±0.006mm	N	1	0.14	0.14	±0.10%	±0.10%
DAT	Data Processing	±1.2%	N	1	1	1	±1.2%	±1.2%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
$LIQ(T_\sigma)$	Conductivity (temp.)	±3.3%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0	0	±0%	±0%
DIS	Distance DUT – TSL	±2.0%	N	1	2	2	±4.0%	±4.0%
D_{xyz}	Device Positioning	±1.0%	N	1	1	1	±1.0%	±1.0%
H	Device Holder	±3.6%	N	1	1	1	±3.6%	±3.6%
MOD	DUT Modulationm	±2.4%	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
TAS	Time-average SAR	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
RF_{drift}	DUT drift	±2.5%	N	1	1	1	±2.5%	±2.5%
VAL	Val Antenna Unc.	±0.0%	N	1	1	1	±0.0%	±0.0%
RF_{in}	Unc. Input Power	±0.0%	N	1	1	1	±0.0%	±0.0%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
C(R)	SAR scaling	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
u(Δ SAR)	Combined Uncertainty						±11.0%	±10.9%
U	**Expanded Uncertainty**						±21.9%	±21.7%

Measurement uncertainty evaluation for System Check IEC/IEEE 62209-1528（300M-6GHz）								
Symbol	Error Description	Uncert. Value	Prob. Dist.	Div.	(Ci) (1g)	(Ci) (10g)	Std. Unc. (1g)	Std. Unc. (10g)
Measurement System Errors								
CF	Probe Calibration Repeat.	±3.6%	N	2	1	1	±1.8%	±1.8%
CF_{drift}	Probe Calibration Drift	±1.7%	R	$\sqrt{3}$	1	1	±1.0%	±1.0%
LIN	Probe Linearity	±4.7%	R	$\sqrt{3}$	0	0	±0.0%	±0.0%
BBS	Broadband Signal	±0.0%	R	$\sqrt{3}$	0	0	±0.0%	±0.0%
ISO	Probe Isotropy (axial)	±4.7%	R	$\sqrt{3}$	0	0	±0.0%	±0.0%
DAE	Data Acquisition	±1.2%	N	1	0	0	±0.0%	±0.0%
AMB	RF Ambient	±0.6%	N	1	0	0	±0.0%	±0.0%
Δ_{sys}	Probe Positioning	±0.005mm	N	1	0.29	0.29	±0.2%	±0.2%
DAT	Data Processing	±0.0%	N	1	1	1	±0.0%	±0.0%
Phantom and Device Errors								
LIQ(σ)	Conductivity (meas.)	±2.5%	N	1	0.78	0.71	±2.0%	±1.8%
$LIQ(T_\sigma)$	Conductivity (temp.)	±3.4%	R	$\sqrt{3}$	0.78	0.71	±1.5%	±1.4%
EPS	Phantom Permittivity	±14.0%	R	$\sqrt{3}$	0	0	±0.0%	±0.0%
DIS	Distance Phantom – DUT	±1.0%	N	1	2	2	±2.0%	±2.0%
MOD	DUT Modulationm	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
TAS	Time-average SAR	±0.0%	R	$\sqrt{3}$	1	1	±0.0%	±0.0%
VAL	Validation antenna	±0.0%	N	1	1	1	±0.0%	±0.0%
RF_{in}	Accepted power	±1.2%	N	1	1	1	±1.2%	±1.2%
Correction to the SAR results								
C(ε, σ)	Deviation to Target	±1.9%	N	1	1	0.84	±1.9%	±1.6%
u(Δ SAR)	Combined Uncertainty						±4.4%	±4.4%
U	**Expanded Uncertainty**						±8.8%	±8.8%

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.

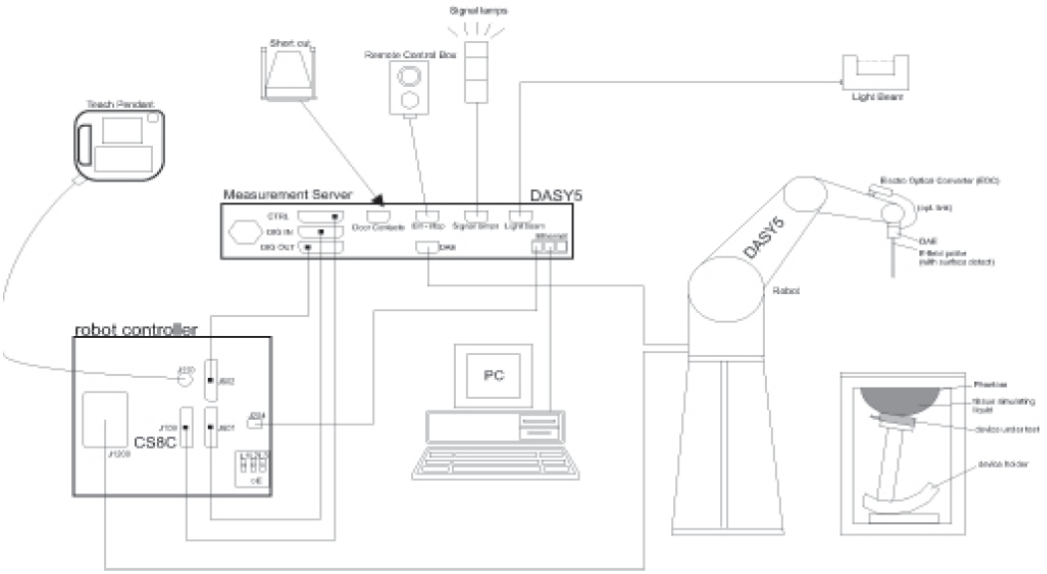
Remote control with teach panel and additional circuitry for robot safety such as warning lamps, etc.

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.

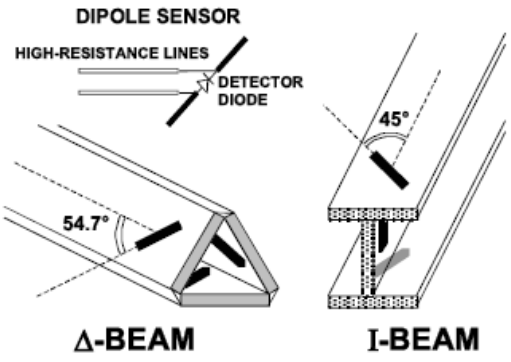
- **Probe Specification**

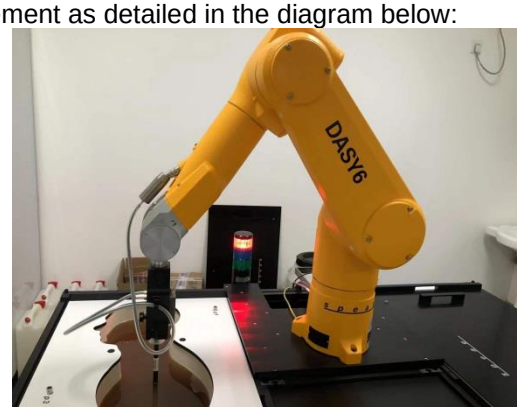
Construction	Symmetrical design with triangular core Interleaved sensors Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	4 MHz to 10 GHz; Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in HSL (rotation around probe axis) ± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic Range	10 µW/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.

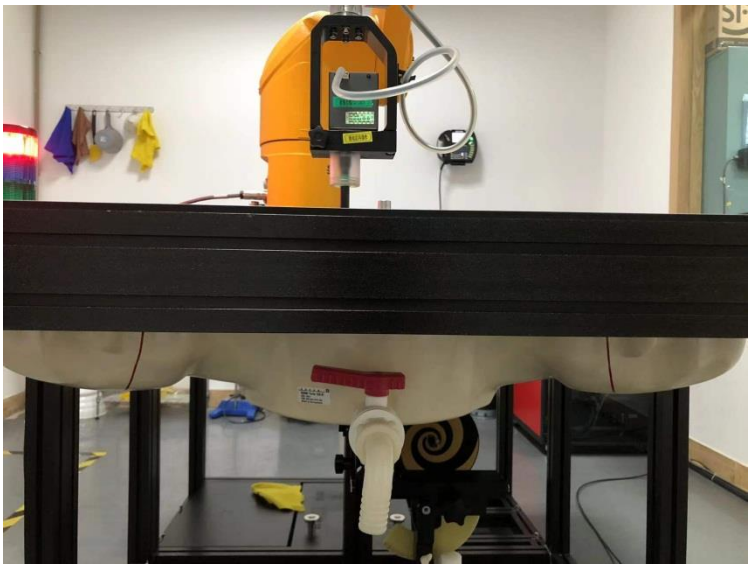
The E-Field probe utilizes a triangular sensor arrangement as detailed in the diagram below:





6.3. Phantoms

The phantom used for all tests i.e. for both system checks and device testing, was the twin-headed "SAM Phantom", manufactured by SPEAG. The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness increases to 6mm).
System checking was performed using the flat section, whilst Head SAR tests used the left and right head profile sections. Body SAR testing also used the flat section between the head profiles.



SAM-Twin 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 ± 1 mm	½·$\hat{o}$·ln(2) mm ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location	30° ± 1°	20° ± 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 ≤ 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: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ $1.5 \cdot \Delta z_{Zoom}(n-1)$ mm	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Note: 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 ≤ 1.4 W/kg, ≤ 8 mm, ≤ 7 mm and ≤ 5 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 ± 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)
dcpi: diode compression point (DASY parameter)

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

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

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

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. Dielectric Property Measurements & System Check

8.1. Tissue Dielectric Parameters

The temperature of the tissue-equivalent medium used during measurement must also be within 18℃ to 25℃ and within ± 2℃ 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 ± 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 ± 10%. This is limited to frequencies ≤ 3 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	σ(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:

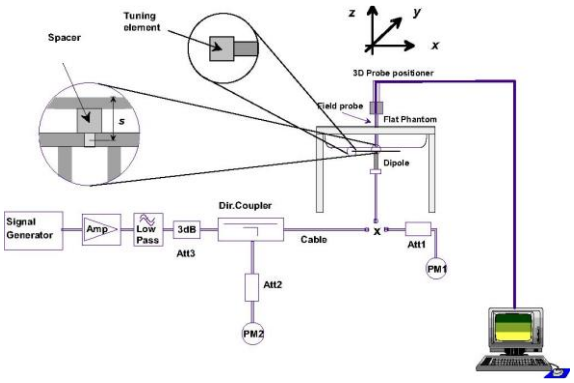
Dielectric performance of Head tissue simulating liquid									
Frequency (MHz)	ε_r		σ(S/m)		Delta (ε_r)	Delta (σ)	Limit	Temp (℃)	Date
	Target	Measured	Target	Measured					
2450	39.20	37.48	1.800	1.775	-4.39%	-1.39%	±5%	22.2	2023/8/17
2402	39.29	37.56	1.758	1.680	-4.40%	-4.44%	±5%	22.2	2023/8/17
2440	39.22	37.50	1.791	1.770	-4.39%	-1.17%	±5%	22.2	2023/8/17
2480	39.16	37.44	1.833	1.804	-4.39%	-1.58%	±5%	22.2	2023/8/17
2412	39.27	37.55	1.767	1.685	-4.38%	-4.64%	±5%	22.2	2023/8/17
2437	39.22	37.50	1.789	1.765	-4.39%	-1.34%	±5%	22.2	2023/8/17
2462	39.19	37.47	1.813	1.782	-4.39%	-1.71%	±5%	22.2	2023/8/17
5250	35.93	34.58	4.706	4.480	-3.76%	-4.80%	±5%	22.2	2023/8/17
5190	36.00	34.69	4.645	4.417	-3.64%	-4.91%	±5%	22.2	2023/8/17
5230	35.95	34.62	4.686	4.460	-3.70%	-4.82%	±5%	22.2	2023/8/17
5750	35.36	33.82	5.219	4.995	-4.36%	-4.29%	±5%	22.2	2023/8/17
5745	35.36	33.83	5.214	4.990	-4.33%	-4.30%	±5%	22.2	2023/8/17
5785	35.32	33.76	5.255	5.030	-4.42%	-4.28%	±5%	22.2	2023/8/17
5825	35.27	33.69	5.295	5.082	-4.48%	-4.02%	±5%	22.2	2023/8/17

8.2. 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

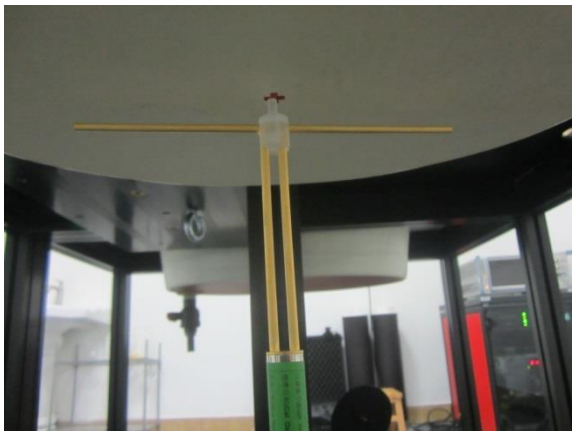


Photo of Dipole Setup

Measurement Results:

Head											
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (℃)	Date
	Target 1W	Normalize to 1W	Measured 250mW	Target 1W	Normalize to 1W	Measured 250mW					
2450	52.00	49.20	12.30	23.90	22.76	5.69	-5.38%	-4.77%	±10%	22.4	2023/8/17
Frequency (MHz)	1g SAR			10g SAR			Delta (1g)	Delta (10g)	Limit	Temp (℃)	Date
	Target 1W	Normalize to 1W	Measured 100mW	Target 1W	Normalize to 1W	Measured 100mW					
5250	78.20	79.20	7.92	22.30	22.60	2.26	1.28%	1.35%	±10%	22.4	2023/8/17
5750	79.30	84.90	8.49	22.50	24.10	2.41	7.06%	7.11%	±10%	22.4	2023/8/17

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

SystemPerformanceCheck-Head 2450MHz

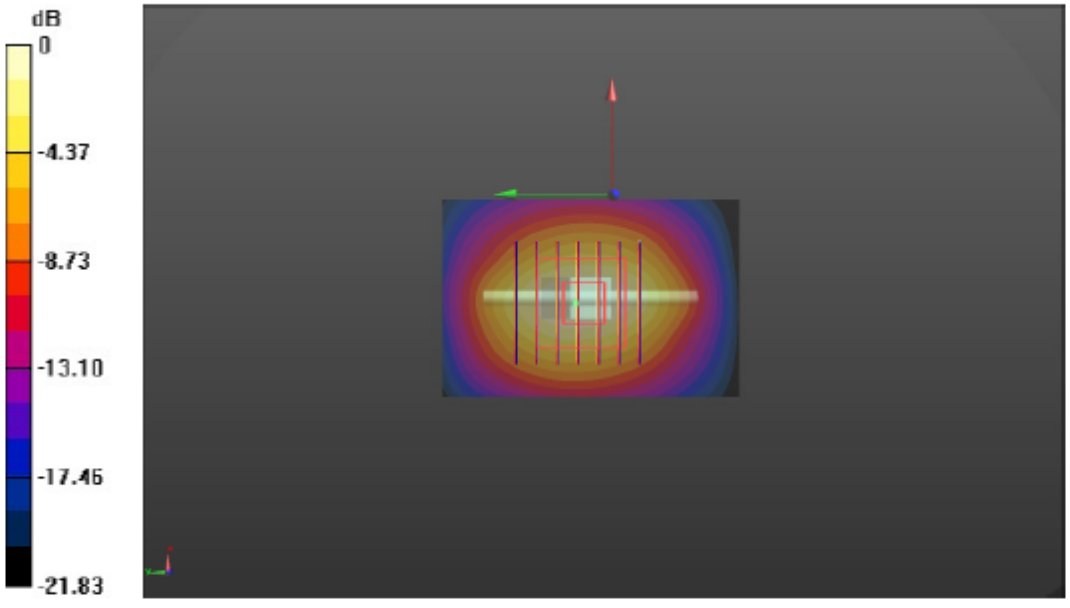
Communication System: UID 0, CW (0); Frequency: 2450 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2450 MHz; σ = 1.775 S/m; ε_r = 37.484; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4°C;Liquid Temperature:22.2°C;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.01, 8.01, 8.01); Calibrated: 4/17/2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Head/d=10mm,Pin=250mW/Area Scan (41x61x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 18.0 W/kg

Head/d=10mm,Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 103.3 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 21.7 W/kg
SAR(1 g) = 12.3 W/kg; SAR(10 g) = 5.69 W/kg
Maximum value of SAR (measured) = 17.6 W/kg



0 dB = 17.6 W/kg = 12.46 dBW/kg

SystemPerformanceCheck-Head 5250MHz

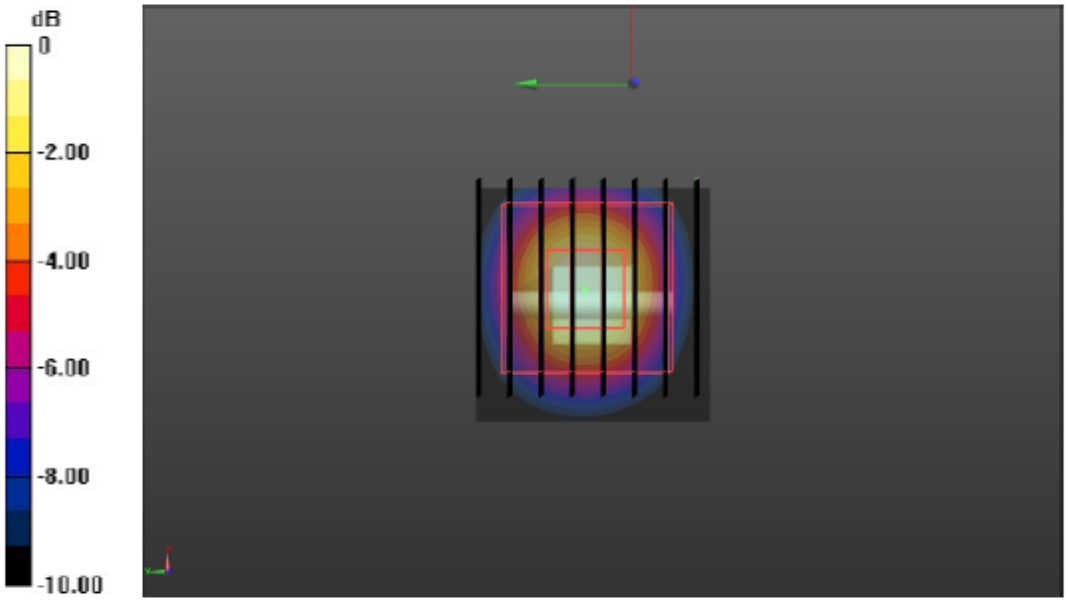
Communication System: UID 0, Generic WIFI (0); Frequency: 5250 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5250 MHz; σ = 4.48 S/m; ε_r = 34.58; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.67, 5.67, 5.67); Calibrated: 4/17/2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Head/d=10mm,pin=100mW/Area Scan (31x31x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 21.1 W/kg

Head/d=10mm,pin=100mW/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 71.95 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 33.0 W/kg
SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.26 W/kg
Maximum value of SAR (measured) = 18.7 W/kg



0 dB = 18.7 W/kg = 12.72 dBW/kg

SystemPerformanceCheck-Head 5750MHz

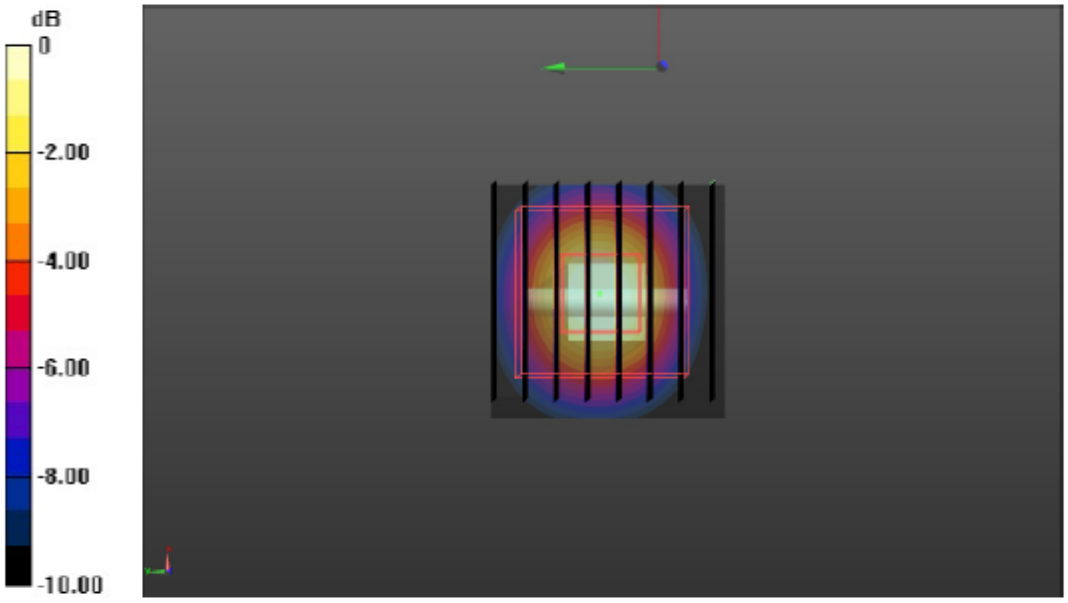
Communication System: UID 0, Generic WIFI (0); Frequency: 5750 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5750 MHz; σ = 4.995 S/m; ε_r = 33.818; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:22.4℃;Liquid Temperature:22.2℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.14, 5.14, 5.14); Calibrated: 4/17/2023;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.0(1446); SEMCAD X 14.6.10(7417)

Head/d=10mm Pin=100mW,f=5750Mhz/Area Scan (31x31x1): Interpolated grid:
dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 23.2 W/kg

Head/d=10mm Pin=100mW,f=5750Mhz/Zoom Scan (8x8x7)/Cube 0: Measurement grid:
dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 72.92 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 39.8 W/kg
SAR(1 g) = 8.49 W/kg; SAR(10 g) = 2.41 W/kg
Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

9. 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).*

10. Conducted Power Measurement Results and Tune-up

Please refer to appendix report

11. 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 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:

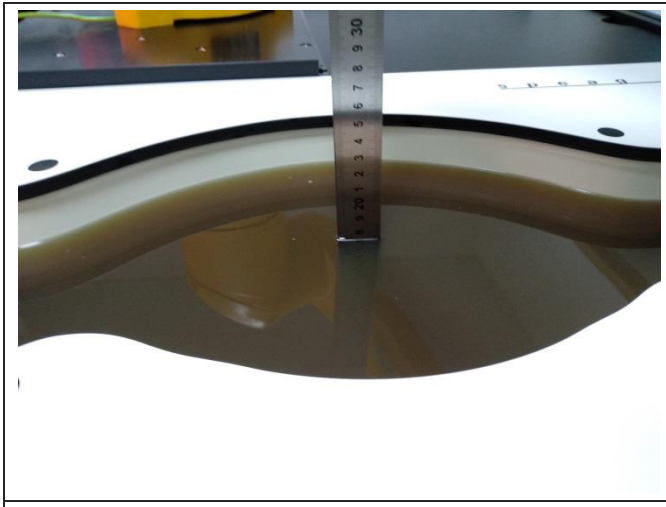
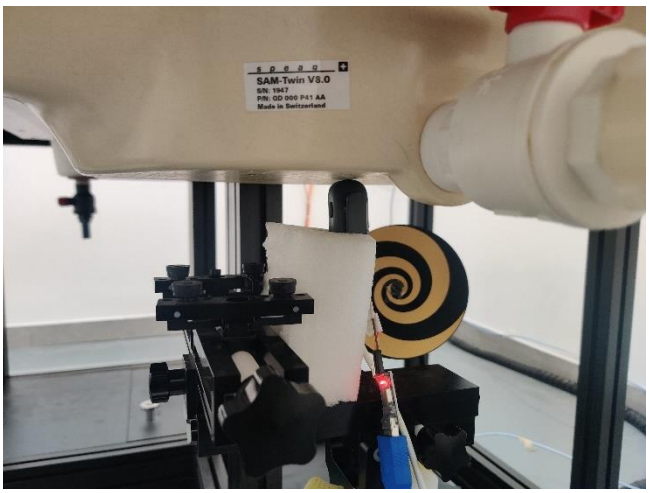
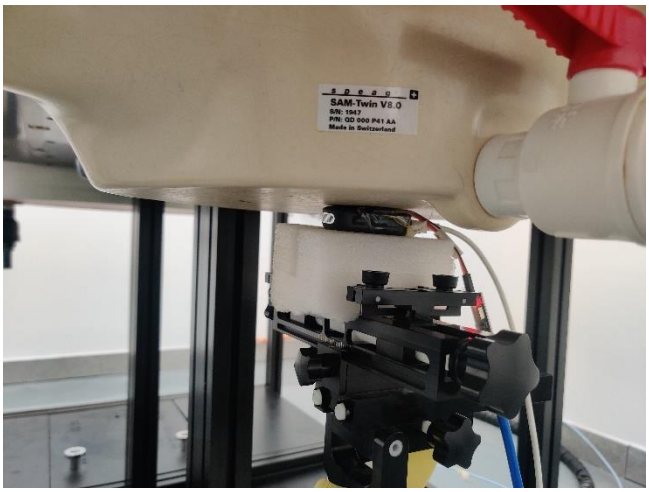
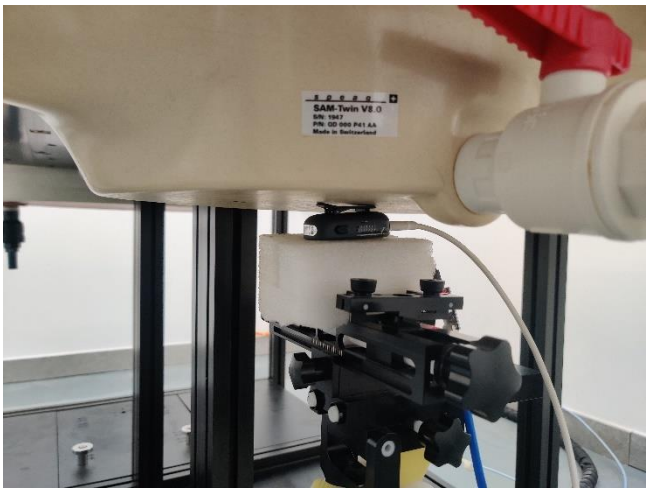
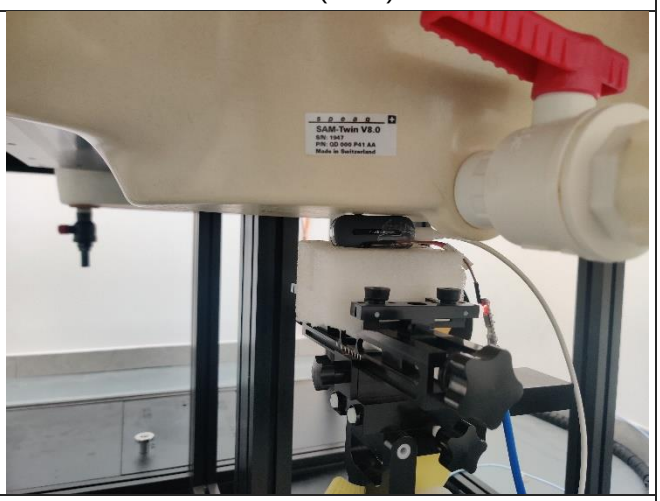
- *≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and wireless mode combination within the frequency band or aggregated band. DSSS and OFDM configurations are considered separately according to the required SAR procedures.*
- *> 0.4 W/kg, 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.*

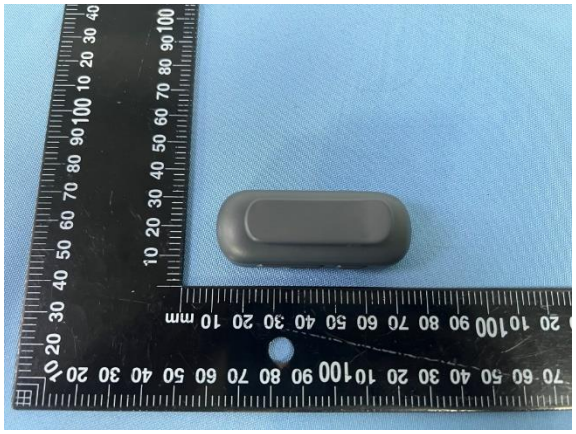
- *For all positions/configurations tested using the initial test position and subsequent test positions,when the reported SAR is > 0.8 W/kg, measure the SAR for these positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all 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.*

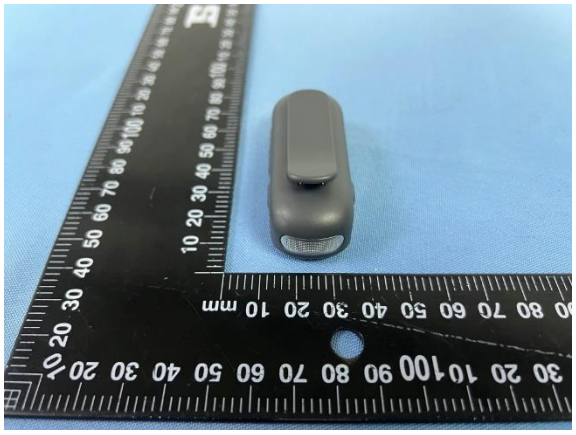
To determine the initial test position, Area Scans were performed to determine the position with the Maximum Value of SAR (measured). The position that produced the highest Maximum Value of SAR is considered the worst case position; thus used as the initial test position.

12. Test Setup Photos

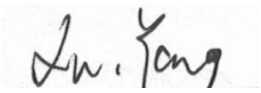
	
Liquid depth in the Body phantom	Top (0mm)
	
Front (0mm)	Back (0mm)
	
Left (0mm)	Right (0mm)

13. External and Internal Photos of the EUT





---------End of Report----------

Project No.	SHT2308030902EW		
Test sample No.	YPHT23080309001	Model No.	CTS-CM100-245G
Start test date	2023/8/17	Finish date	2023/8/17
Temperature	23.2℃	Humidity	49%
Test Engineer	Xiaodong Zhao	Auditor	

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-WIF/Bluetooth

WIFI 2.4G						
Bandwidth	Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up limit (dBm)	Duty Cycle
20	802.11b	1	2412	17.35	17.50	99.82%
		6	2437	16.89	17.00	99.82%
		11	2462	16.52	17.00	99.82%
	802.11g	1	2412	11.44	11.50	98.53%
		6	2437	13.04	13.50	98.89%
		11	2462	13.43	13.50	98.53%
	802.11n (HT20)	1	2412	13.14	13.50	98.81%
		6	2437	12.93	13.00	98.42%
		11	2462	13.33	13.50	98.81%
	802.11ax (HE20)	1	2412	13.01	13.50	97.06%
		6	2437	12.65	13.00	96.08%
		11	2462	13.02	13.50	97.06%
40	802.11n (Ht40)	3	2422	12.33	12.50	96.83%
		6	2437	12.20	12.50	96.83%
		9	2452	12.05	12.50	97.60%
	802.11ax (HE40)	3	2422	12.03	12.50	94.55%
		6	2437	12.04	12.50	92.73%
		9	2452	11.95	12.00	94.55%

WIFI 5G U-NII-1						
Bandwidth	Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up limit (dBm)	Duty Cycle
20	802.11ax (HE20)	36	5180	10.61	11.00	98.45%
		44	5220	10.46	11.00	98.45%
		48	5240	10.17	11.00	98.45%
	802.11ac (VHT20)	36	5180	10.02	10.50	96.95%
		44	5220	11.13	11.50	96.95%
		48	5240	12.90	13.00	96.95%
	802.11n (HT20)	36	5180	10.99	11.00	96.15%
		44	5220	10.73	11.00	98.81%
		48	5240	10.61	11.00	92.57%
	802.11a	36	5180	10.54	11.00	98.52%
		44	5220	10.16	10.50	98.89%
		48	5240	11.75	12.00	98.89%
40	802.11ax (HE40)	38	5190	10.26	10.50	96.83%
		46	5230	12.64	13.00	96.83%
	802.11ac (VHT40)	38	5190	10.49	10.50	94.03%
		46	5230	10.18	10.50	94.03%
	802.11n (HT40)	38	5190	10.20	10.50	97.60%
		46	5230	9.98	10.00	96.83%

WIFI 5G U-NII-3						
Bandwidth	Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up limit (dBm)	Duty Cycle
20	802.11ax (HE20)	149	5745	7.10	7.50	98.45%
		157	5785	5.80	6.00	98.45%
		165	5825	6.65	7.00	98.45%
	802.11ac (VHT20)	149	5745	7.31	7.50	96.95%
		157	5785	6.07	6.50	96.95%
		165	5825	5.11	5.50	97.69%
	802.11n (HT20)	149	5745	7.38	7.50	98.42%
		157	5785	6.05	6.50	98.81%
		165	5825	5.08	5.50	98.81%
	802.11a	149	5745	11.46	11.50	98.89%
		157	5785	11.61	12.00	98.89%
		165	5825	11.64	12.00	98.89%
40	802.11ax (HE40)	151	5755	6.72	7.00	93.18%
		159	5795	5.37	5.50	97.62%
	802.11ac (VHT40)	151	5755	6.82	7.00	94.03%
		159	5795	5.52	6.00	95.52%
	802.11n (HT40)	151	5755	6.34	6.50	97.60%
		159	5795	5.25	5.50	96.83%

Bluetooth						
Mode		Channel	Frequency (MHz)	Conducted Power (dBm)	Tune-up limit (dBm)	Duty Cycle
EDR	GFSK	0	2402	-3.93	-3.50	76.61%
		39	2441	-3.82	-3.50	76.68%
		78	2480	-3.74	-3.50	76.61%
	π/4QPSK	0	2402	-6.49	-6.00	76.68%
		39	2441	-6.34	-6.00	76.88%
		78	2480	-6.35	-6.00	76.68%
	8DPSK	0	2402	-6.58	-6.00	76.94%
		39	2441	-6.47	-6.00	76.68%
		78	2480	-6.37	-6.00	76.94%
BLE 1Mbps	GFSK	0	2402	-4.29	-4.00	85.02%
		19	2440	-4.31	-4.00	85.02%
		39	2480	-4.24	-4.00	85.02%

Appendix B:SAR Measurement Results-Head

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	Top	1	2412	17.35	17.50	1.035	99.82%	1.002	0.13	0.403	0.418	1
		6	2437	16.89	17.00	1.026	99.82%	1.002	-0.12	0.325	0.334	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	-0.07	0.311	0.348	-

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)	
802.11ax (HE40)	Top	38	5190	10.26	10.50	1.057	96.83%	1.033	-0.09	0.144	0.157	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.15	0.328	0.368	2

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	Top	149	5745	11.46	11.50	1.009	98.89%	1.011	-0.17	0.678	0.692	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-0.08	0.709	0.784	3
		165	5825	11.64	12.00	1.086	98.89%	1.011	0.15	0.695	0.764	-

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 GFSK	Top	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-0.11	0.004	0.006	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	0.02	0.004	0.006	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	-0.09	0.005	0.007	4

Appendix B:SAR Measurement Results-Body

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	Back	1	2412	17.35	17.50	1.035	99.82%	1.002	-0.18	0.678	0.703	5
		6	2437	16.89	17.00	1.026	99.82%	1.002	-0.15	0.599	0.615	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	-0.12	0.575	0.643	-

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)	
802.11ax (HE40)	Back	38	5190	10.26	10.50	1.057	96.83%	1.033	0.11	0.163	0.178	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.07	0.263	0.295	6

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	Back	149	5745	11.46	11.50	1.009	98.89%	1.011	-0.12	0.294	0.300	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-0.05	0.309	0.342	7
		165	5825	11.64	12.00	1.086	98.89%	1.011	-0.17	0.307	0.337	-

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 GFSK	Back	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-0.18	0.005	0.007	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	-0.13	0.005	0.007	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	-0.09	0.006	0.008	8

Appendix B:SAR Measurement Results-Limbs

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(10g)	Report SAR(10g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11b	Front	1	2412	17.35	17.50	1.035	99.82%	1.002	0.10	1.250	1.296	9
		6	2437	16.89	17.00	1.026	99.82%	1.002	-0.18	1.170	1.202	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	0.05	1.130	1.264	-
	Back	1	2412	17.35	17.50	1.035	99.82%	1.002	-0.18	0.354	0.367	-
		6	2437	16.89	17.00	1.026	99.82%	1.002	-	-	-	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	-	-	-	-
	Left	1	2412	17.35	17.50	1.035	99.82%	1.002	-0.08	0.920	0.954	-
		6	2437	16.89	17.00	1.026	99.82%	1.002	-	-	-	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	-	-	-	-
	Right	1	2412	17.35	17.50	1.035	99.82%	1.002	0.04	0.676	0.701	-
		6	2437	16.89	17.00	1.026	99.82%	1.002	-	-	-	-
		11	2462	16.52	17.00	1.117	99.82%	1.002	-	-	-	-

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(10g)	Report SAR(10g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11ax (HE40)	Front	38	5190	10.26	10.50	1.057	96.83%	1.033	-0.09	0.199	0.217	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.08	0.362	0.406	10
	Back	38	5190	10.26	10.50	1.057	96.83%	1.033	-	-	-	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.07	0.093	0.104	-
	Left	38	5190	10.26	10.50	1.057	96.83%	1.033	-	-	-	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.18	0.251	0.282	-
	Right	38	5190	10.26	10.50	1.057	96.83%	1.033	-	-	-	-
		46	5230	12.64	13.00	1.086	96.83%	1.033	-0.08	0.189	0.212	-

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(10g)	Report SAR(10g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
802.11a	Front	149	5745	11.46	11.50	1.009	98.89%	1.011	-0.12	0.415	0	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-0.05	0.435	0	11
		165	5825	11.64	12.00	1.086	98.89%	1.011	-0.11	0.430	0	-
	Back	149	5745	11.46	11.50	1.009	98.89%	1.011	-	-	-	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-	-	-	-
		165	5825	11.64	12.00	1.086	98.89%	1.011	-0.05	0.104	0	-
	Left	149	5745	11.46	11.50	1.009	98.89%	1.011	-	-	-	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-	-	-	-
		165	5825	11.64	12.00	1.086	98.89%	1.011	0.06	0.307	0	-
	Right	149	5745	11.46	11.50	1.009	98.89%	1.011	-	-	-	-
		157	5785	11.61	12.00	1.094	98.89%	1.011	-	-	-	-
		165	5825	11.64	12.00	1.086	98.89%	1.011	-0.08	0.254	0	-

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(10g)	Report SAR(10g)	Plot No.
		CH	MHz							(W/kg)	(W/kg)	
EDR GFSK	Front	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-0.17	0.009	0.013	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	-0.04	0.010	0.014	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	-0.15	0.012	0.016	12
	Back	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-	-	-	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	-	-	-	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	-0.13	0.005	0.007	-
	Left	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-	-	-	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	-	-	-	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	0.08	0.008	0.011	-
	Right	0	2402	-3.93	-3.50	1.104	76.61%	1.305	-	-	-	-
		39	2441	-3.82	-3.50	1.076	76.68%	1.304	-	-	-	-
		78	2480	-3.74	-3.50	1.057	76.61%	1.305	-0.11	0.005	0.007	-

Appendix C: Simultaneous Transmission analysis-Head

WLAN + BT				
WLAN Band	Exposure Position	Max SAR (W/kg)		Summed SAR
		WLAN	BT	(W/kg)
WIFI 2.4G	Top	0.418	0.007	0.425
WIFI 5G U-NII-1	Top	0.368	0.007	0.375
WIFI 5G U-NII-3	Top	0.784	0.007	0.791

Appendix C: Simultaneous Transmission analysis-Body

WLAN + BT				
WLAN Band	Exposure Position	Max SAR (W/kg)		Summed SAR
		WLAN	BT	(W/kg)
WIFI 2.4G	Back	0.703	0.008	0.711
WIFI 5G U-NII-1	Back	0.295	0.008	0.303
WIFI 5G U-NII-3	Back	0.342	0.008	0.350

Appendix C: Simultaneous Transmission analysis-Limbs

WLAN + BT				
WLAN Band	Exposure Position	Max SAR (W/kg)		Summed SAR
		WLAN	BT	(W/kg)
WIFI 2.4G	Front	1.296	0.016	1.312
	Back	0.367	0.007	0.374
	Left	0.954	0.011	0.965
	Right	0.701	0.007	0.708
WIFI 5G U-NII-1	Front	0.406	0.016	0.422
	Back	0.104	0.007	0.111
	Left	0.282	0.011	0.293
	Right	0.212	0.007	0.219
WIFI 5G U-NII-3	Front	0.481	0.016	0.497
	Back	0.114	0.007	0.121
	Left	0.337	0.011	0.348
	Right	0.279	0.007	0.286

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

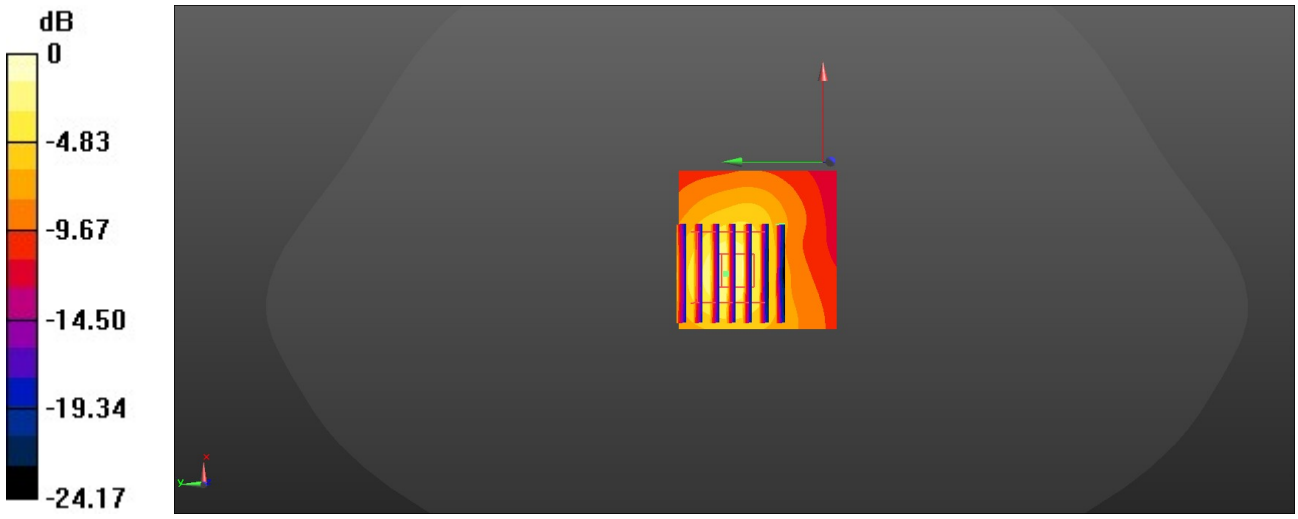
WIFI 2.4G Head

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.683 S/m; ε_r = 37.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.01, 8.01, 8.01) @ 2412 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Top 0mm/CH1/Area Scan (41x41x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.564 W/kg
Top 0mm/CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.87 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.30 W/kg
SAR(1 g) = 0.403 W/kg; SAR(10 g) = 0.168 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.870 W/kg



0 dB = 0.870 W/kg = -0.60 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

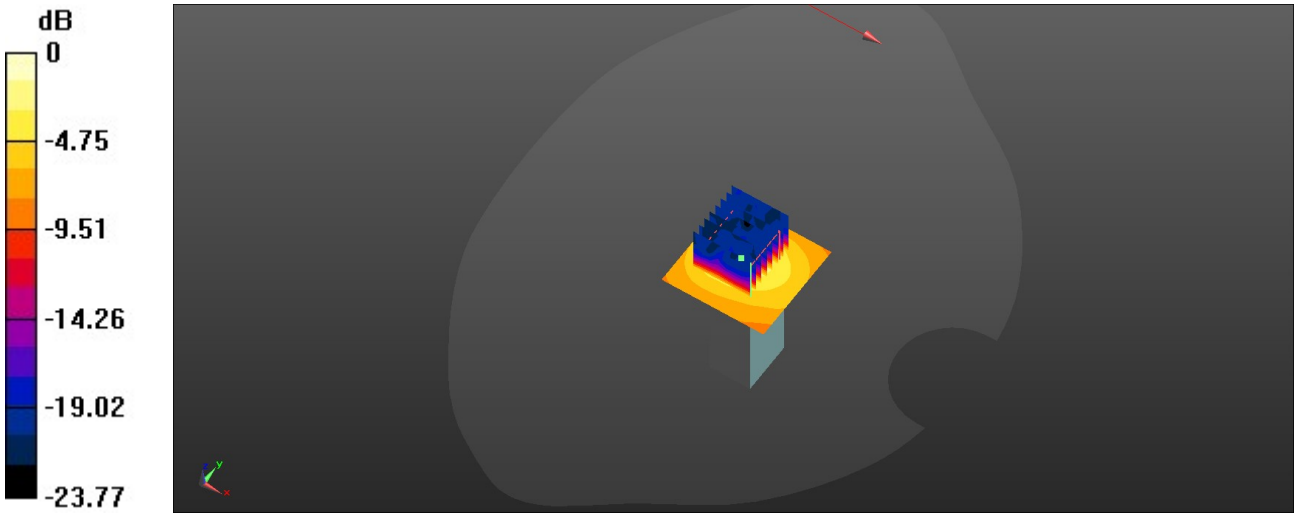
WIFI 5G U-NII-1 Head

Communication System: UID 0, Generic WIFI (0); Frequency: 5230 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5230 MHz; σ = 4.46 S/m; ε_r = 34.617; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.67, 5.67, 5.67) @ 5230 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Top 0mm/CH46/Area Scan (51x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.12 W/kg
Top 0mm/CH46/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.23 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 2.10 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

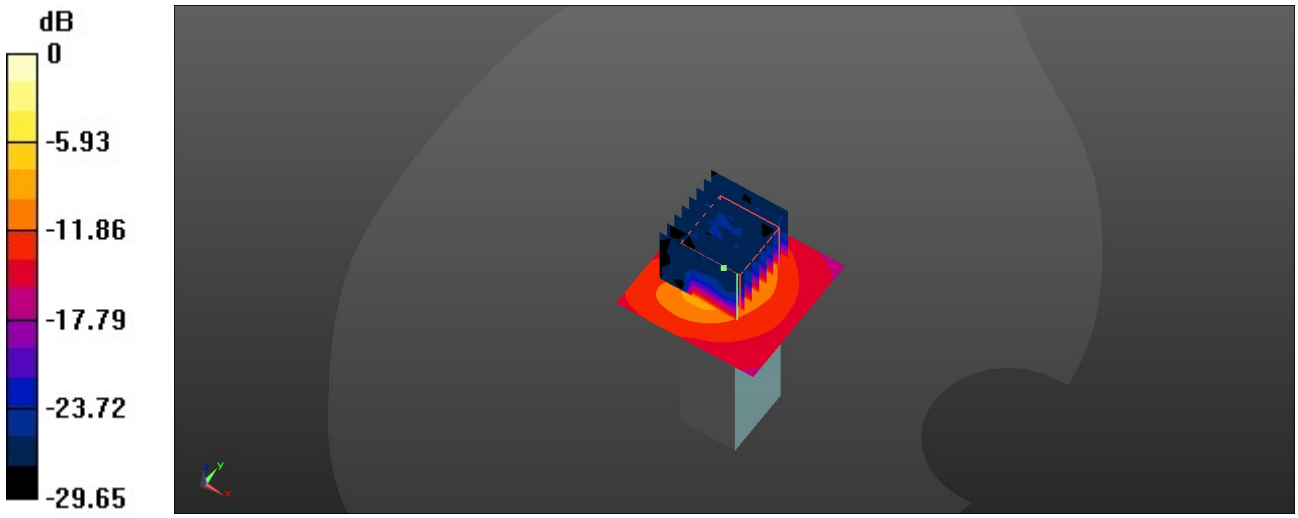
WIFI 5G U-NII-3 Head

Communication System: UID 0, Generic WIFI (0); Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.03 S/m; ε_r = 33.764; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.14, 5.14, 5.14) @ 5785 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Top 0mm/CH157/Area Scan (51x51x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.12 W/kg
Top 0mm/CH157/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.37 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.393 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 5.82 W/kg = 7.65 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

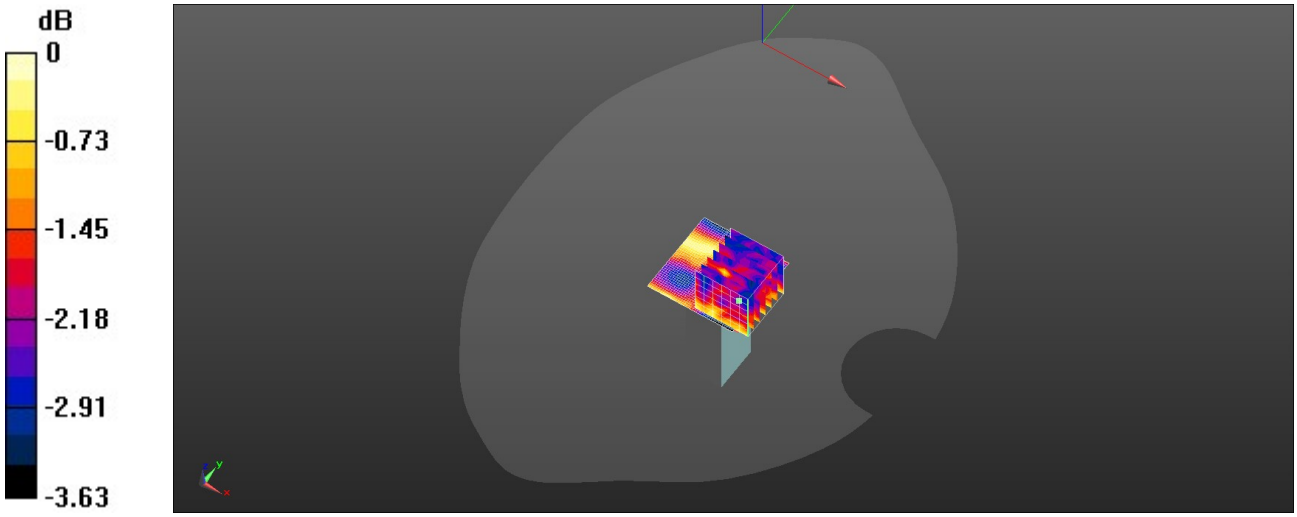
BT Head

Communication System: UID 0, Generic BT (0); Frequency: 2480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 1.804 S/m; ε_r = 37.435; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.01, 8.01, 8.01) @ 2480 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Top 0mm/CH78/Area Scan (41x41x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0121 W/kg
Top 0mm/CH78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.692 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.00790 W/kg
SAR(1 g) = 0.00526 W/kg; SAR(10 g) = 0.00428 W/kg
Maximum value of SAR (measured) = 0.00670 W/kg



0 dB = 0.0121 W/kg = -19.17 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

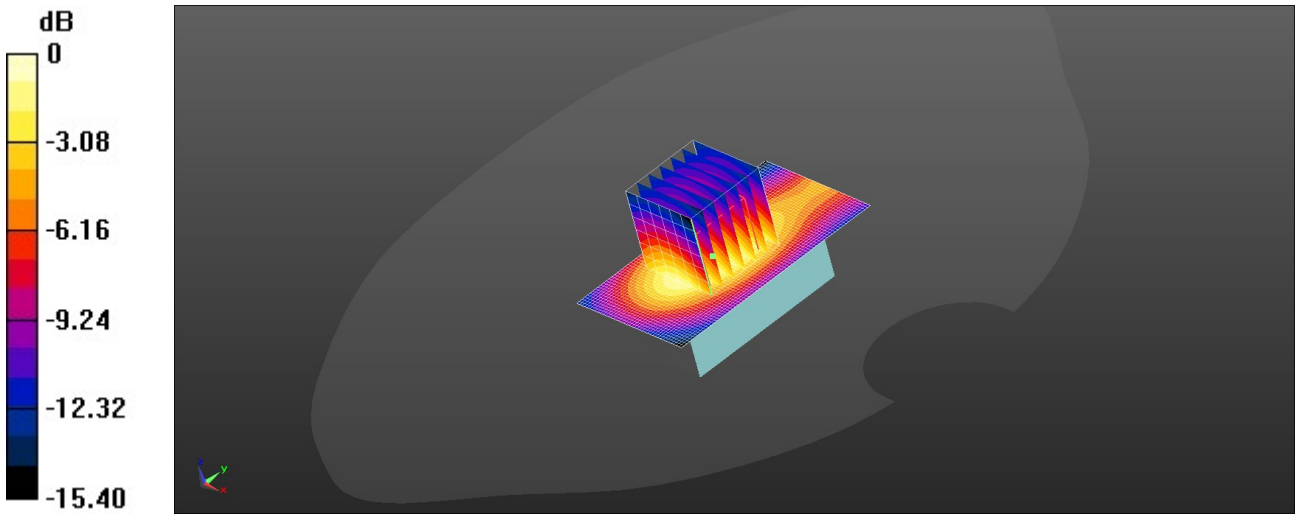
WIFI 2.4G-Body

Communication System: UID 0, Generic WIFI (0); Frequency: 2412 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2412 MHz; σ = 1.683 S/m; ε_r = 37.552; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.01, 8.01, 8.01) @ 2412 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Back 0mm/CH1/Area Scan (41x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.08 W/kg
Back 0mm/CH1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.21 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 1.28 W/kg
SAR(1 g) = 0.678 W/kg; SAR(10 g) = 0.354 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.08 W/kg = 0.32 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

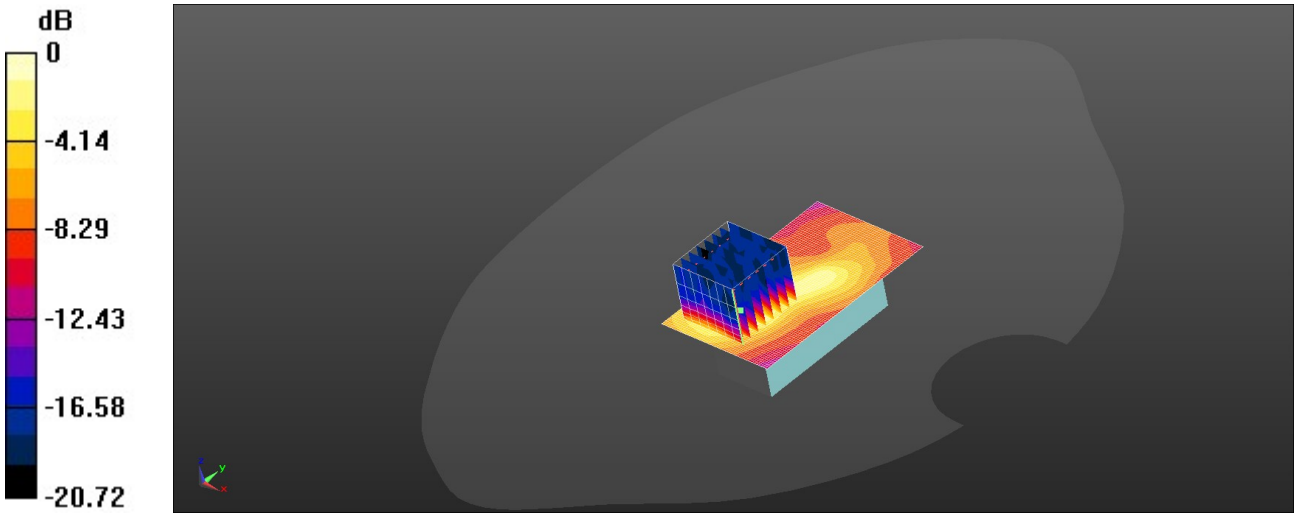
WIFI 5G U-NII-1 Body

Communication System: UID 0, Generic WIFI (0); Frequency: 5230 MHz;Duty Cycle: 1:1
Medium parameters used: f = 5230 MHz; σ = 4.46 S/m; ε_r = 34.617; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.67, 5.67, 5.67) @ 5230 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Back 0mm/CH46/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.772 W/kg
Back 0mm/CH46/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.45 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.263 W/kg; SAR(10 g) = 0.093 W/kg
Maximum value of SAR (measured) = 0.619 W/kg



0 dB = 0.619 W/kg = -2.08 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

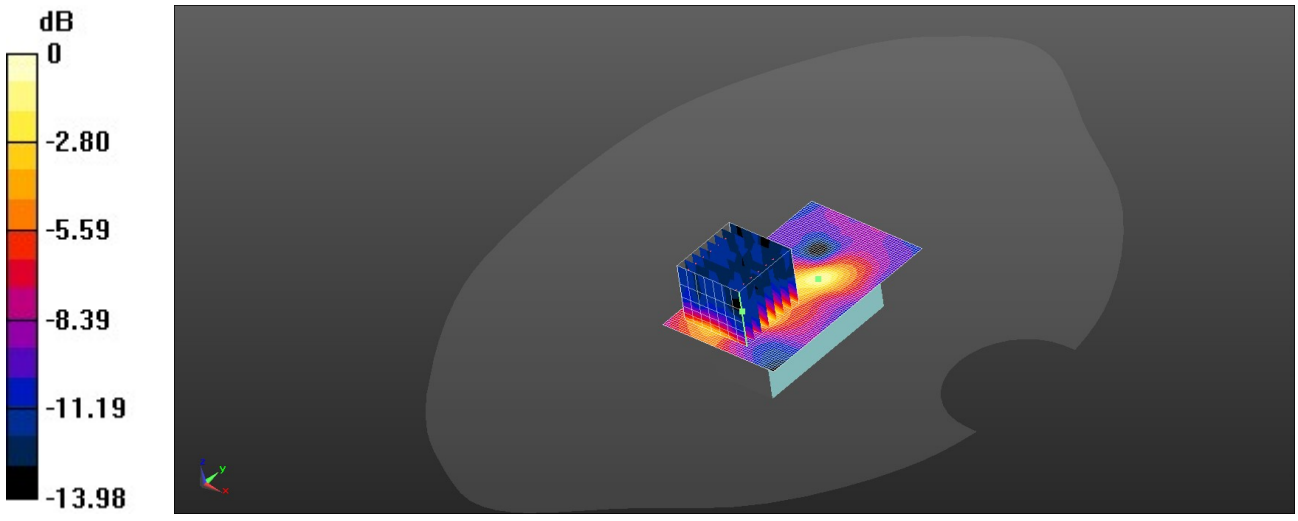
WIFI 5G U-NII-3 Body

Communication System: UID 0, Generic WIFI (0); Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 5785 MHz; σ = 5.03 S/m; ε_r = 33.764; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(5.14, 5.14, 5.14) @ 5785 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Back 0mm/CH157/Area Scan (51x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 0.767 W/kg
Back 0mm/CH157/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 10.08 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.104 W/kg
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.836 W/kg



0 dB = 0.767 W/kg = -1.15 dBW/kg

Test Laboratory: Huatongwei International Inspection Co., Ltd.,SAR Lab Date: 8/17/2023

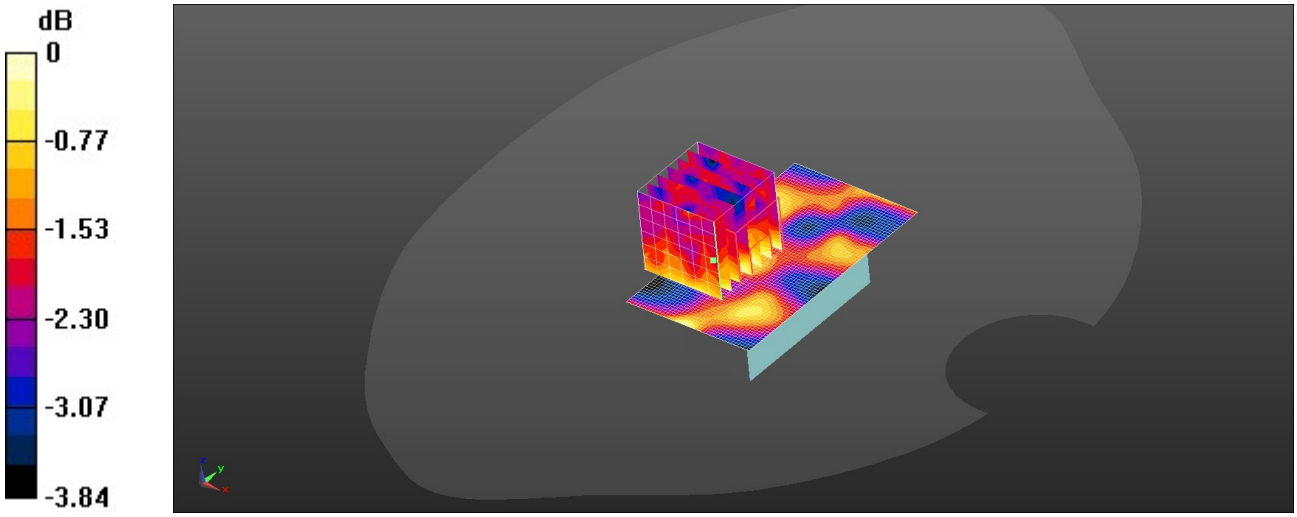
BT Body

Communication System: UID 0, Generic BT (0); Frequency: 2480 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 1.804 S/m; ε_r = 37.435; ρ = 1000 kg/m^3
Phantom section: Flat Section
Ambient Temperature:23.2℃;Liquid Temperature:22.5℃;

DASY Configuration:

- Probe: EX3DV4 - SN7494; ConvF(8.01, 8.01, 8.01) @ 2480 MHz; Calibrated: 4/17/2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1549; Calibrated: 3/27/2023
- Phantom: Twin-SAM V8.0 ; Type: QD 000 P41 AA; Serial: 1974
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Back 0mm/CH78/Area Scan (41x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0137 W/kg
Back 0mm/CH78/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.041 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.00888 W/kg
SAR(1 g) = 0.00624 W/kg; SAR(10 g) = 0.00461 W/kg
Maximum value of SAR (measured) = 0.00812 W/kg



0 dB = 0.0137 W/kg = -18.63 dBW/kg