



SAR EVALUATION REPORT

For

Shenzhen Hui Ke Electronics Co., LTD.

Room A, 2 Floor, 5 Building, Hezhou Yuye Industrial park, Xixiang, Baoan District, Shenzhen, China

FCC ID: 2ASRN-HK-288

Report Type:
Original Report

Walkie Talkie

Report Number: RDG200817100-20

Report Date: 2020-09-26

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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan). This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government. * This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*".

| Attestation of Test Results | | | | | | |
|-----------------------------|---|---|-------------------|--------------|--|--|
| | EUT Description | Walkie Talkie | | | | |
| | Tested Model | HK-288 | | | | |
| EUT Information | Multiple Models | HK-188, HK-588, HK-688, HK-888, HK-988, T-388, HK-002, HK-001 | | | | |
| intormation | FCC ID | 2ASRN-HK-288 | | | | |
| | Serial Number | RDG200817100-SA-S1 | | | | |
| | Test Date | 2020-08-22 | | | | |
| MOD | E | Max. SAR Level(s | s) Reported(W/kg) | Limit (W/kg) | | |
| DOCT | | 1g Head SAR (Face Up) | 0.15 | 1.6 | | |
| PTT | | 1g Body SAR (Body Back) | 0.45 | 1.0 | | |
| | FCC 47 CFR part 2.1093 Radiofrequency radiation exposure evaluation: portable devices | | | | | |
| | RF Exposure Procedures: TCB Workshop April 2019 | | | | | |
| Applicable Standards | IEEE1528:2013 IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques IEC 62209-1:2016 Measurement procedure for the assessment of specific absorption rate of human exposure | | | | | |
| | to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz) | | | | | |
| | KDB procedures KDB 447498 D01 General RF Exposure Guidance v06 KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04 KDB 865664 D02 RF Exposure Reporting v01r02 | | | | | |

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Note: This wireless device has been shown to be capable of compliance for localized specific absorption rate (SAR) for General Population/Uncontrolled Exposure limits specified in FCC 47 CFR part 2.1093 and has been tested in accordance with the measurement procedures specified in IEEE 1528-2013 and RF exposure KDB procedures.

The results and statements contained in this report pertain only to the device(s) evaluated.

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|-----------------|-------------------------|------------------|
| 1.0 | RDG200817100-20 | Original Report | 2020-09-26 |

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EUT DESCRIPTION

This report has been prepared on behalf of *Shenzhen Hui Ke Electronics Co., LTD.* and their product *Walkie Talkie*, Model: *HK-288*, FCC ID: *2ASRN-HK-288* or the EUT (Equipment under Test) as referred to in the rest of this report.

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Note: The series product, models HK-288, HK-188, HK-588, HK-688, HK-888, HK-988, T-388, HK-002, HK-001 are electrically identical, HK-288 was fully tested, the details of the differences between them were explained in the following form.

*All measurement and test data in this report was gathered from production sample serial number: RDG200817100-SA-SI (Assigned by BACL, Dongguan). The EUT supplied by the applicant was received on 2020-08-17.

Technical Specification

| Device Type: | Portable |
|---|--|
| Exposure Category: | General Population/Uncontrolled Exposure |
| Antenna Type(s): | Integral Antenna |
| Body-Worn Accessories: | Belt Clip |
| Face-Head Accessories: | None |
| Modulation Type: | PTT_FM |
| Evaguanay Panda | 462MHz (462.5500-462.7250MHz), |
| Frequency Band: | 467MHz (467.5625-467.7125 MHz) |
| ERP Power: | 462MHz: 18.39 dBm |
| ERF FOWER: | 467MHz: 17.51 dBm |
| Power Source: | 4*1.5 V _{DC} From Battery |
| Normal Operation: Face Up and Body-worn | |

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REFERENCE, STANDARDS, AND GUIDELINES

FCC:

The Report and Order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 1.6 mW/g as recommended by the ANSI/IEEE standard C95.1-1992 [6] for an uncontrolled environment (Paragraph 65). According to the Supplement C of OET Bulletin 65 "Evaluating Compliance with FCC Guide-lines for Human Exposure to Radio frequency Electromagnetic Fields", released on Jun 29, 2001 by the FCC, the device should be evaluated at maximum output power (radiated from the antenna) under "worst-case" conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

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This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in North America is 1.6 mW/g average over 1 gram of tissue mass.

CE:

The order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 2 mW/g as recommended by EN62209-1 for an uncontrolled environment. According to the Standard, the device should be evaluated at maximum output power (radiated from the antenna) under "worst-case" conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in Europe is 2 mW/g average over 10 gram of tissue mass.

The test configurations were laid out on a specially designed test fixture to ensure the reproducibility of measurements. Each configuration was scanned for SAR. Analysis of each scan was carried out to characterize the above effects in the device.

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SAR Limits

FCC Limit

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| | SAR (W/kg) | | | | |
|--|--|--|--|--|--|
| EXPOSURE LIMITS | (General Population / Uncontrolled Exposure Environment) | (Occupational / Controlled Exposure Environment) | | | |
| Spatial Average (averaged over the whole body) | 0.08 | 0.4 | | | |
| Spatial Peak (averaged over any 1 g of tissue) | 1.60 | 8.0 | | | |
| Spatial Peak (hands/wrists/feet/ankles averaged over 10 g) | 4.0 | 20.0 | | | |

CE Limit

| | SAR (W/kg) | | | | |
|--|-----------------------|---------------------|--|--|--|
| | (General Population / | (Occupational / | | | |
| EXPOSURE LIMITS | Uncontrolled Exposure | Controlled Exposure | | | |
| | Environment) | Environment) | | | |
| Spatial Average (averaged over the whole body) | 0.08 | 0.4 | | | |
| Spatial Peak (averaged over any 10 g of tissue) | 2.0 | 10 | | | |
| Spatial Peak (hands/wrists/feet/ankles averaged over 10 g) | 4.0 | 20.0 | | | |

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

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).

General Population/ Uncontrolled environments Spatial Peak limit 1.6 W/kg (FCC) & 2.0 W/kg (CE) applied to the EUT.

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FACILITIES

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

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The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 897218,the FCC Designation No.: CN1220.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

The test sites and measurement facilities used to collect data are located at:

| SAR Lab 1 | SAR Lab 2 |
|-----------|-----------|
|-----------|-----------|

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DESCRIPTION OF TEST SYSTEM

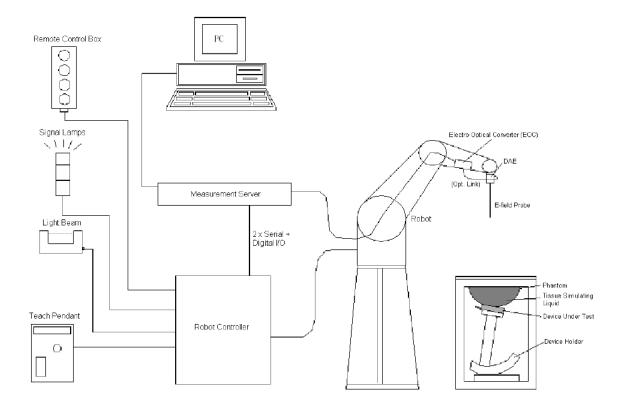
These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:

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DASY5 System Description

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



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- A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE).
- An isotropic field probe optimized and calibrated for the targeted measurement.
- A data acquisition electronics (DAE) which performs the signal application, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- A computer running Win7 professional operating system and the DASY52 software.
- Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc.
- The phantom, the device holder and other accessories according to the targeted measurement.

DASY5 Measurement Server

The DASY5 measurement server is based on a PC/104 CPU board with a 400MHz Intel ULV Celeron, 128MB chip-disk and 128MB RAM. The necessary circuits for communication with the DAE4 (or DAE3) electronics box, as well as the 16 bit AD-converter system for optical detection and digital I/O interface are contained on the DASY5 I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical



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processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized point out, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics (DAE4) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of both the DAE4 as well as of the DAE3 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

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EX3DV4 E-Field Probes

| Frequency | 10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz) |
|------------------|---|
| Directivity | ± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis) |
| Dynamic Range | 10 μ W/g to > 100 mW/g Linearity: \pm 0.2 dB (noise: typically < 1 μ W/g) |
| Dimensions | Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm |
| Application | High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%. |
| Compatibility | DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI |

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Calibration Frequency Points for ES3DV2 E-Field Probes SN: 3019 Calibrated: 2019/9/25

| Calibration | Frequency Range(MHz) | | Conversion Factor | | | |
|-------------|------------------------------|-----|-------------------|------|------|--|
| Point(MHz) | Frequency Point(MHz) From To | | X | Y | Z | |
| 150 Head | 100 | 200 | 7.59 | 7.59 | 7.59 | |
| 450 Head | 350 | 550 | 7.02 | 7.02 | 7.02 | |

Robots

The DASY5 system uses the high precision industrial robot. The robot offers the same features important for our application:

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

The above mentioned robots are controlled by the Staubli CS8c robot controllers. All information regarding the use and maintenance of the robot arm and the robot controller is contained on the CDs delivered along with the robot. Paper manuals are available upon request direct from Staubli.

Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 15mm 2 step integral, with 1.5mm interpolation used to locate the peak SAR area used for zoom scan assessments.

Where the system identifies multiple SAR peaks (which are within 25% of peak value) the system will provide the user with the option of assessing each peak location individually for zoom scan averaging.

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Zoom Scan (Cube Scan Averaging)

The averaging zoom scan volume utilized in the DASY5 software is in the shape of a cube and the side dimension of a 1 g or 10 g mass is dependent on the density of the liquid representing the simulated tissue. A density of 1000 kg/m³ is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 10mm, with the side length of the 10g cube is 21.5mm.

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When the cube intersects with the surface of the phantom, it is oriented so that 3 vertices touch the surface of the shell or the center of a face is tangent to the surface. The face of the cube closest to the surface is modified in order to conform to the tangent surface.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications (including FCC) utilize a physical step of 7 x7 x 7 (5mmx5mmx5mm) providing a volume of 30 mm in the X & Y & Z axis.

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEC 62209-1:2016

Recommended Tissue Dielectric Parameters for Head liquid

Table A.3 - Dielectric properties of the head tissue-equivalent liquid

| Frequency | Relative permittivity | Conductivity (σ) |
|-----------|-----------------------|------------------|
| MHz | $arepsilon_{ m r}$ | S/m |
| 300 | 45,3 | 0,87 |
| 450 | 43,5 | 0,87 |
| 750 | 41,9 | 0,89 |
| 835 | 41,5 | 0,90 |
| 900 | 41,5 | 0,97 |
| 1 450 | 40,5 | 1,20 |
| 1 500 | 40,4 | 1,23 |
| 1 640 | 40,2 | 1,31 |
| 1 750 | 40,1 | 1,37 |
| 1 800 | 40,0 | 1,40 |
| 1 900 | 40,0 | 1,40 |
| 2 000 | 40,0 | 1,40 |
| 2 100 | 39,8 | 1,49 |
| 2 300 | 39,5 | 1,67 |
| 2 450 | 39,2 | 1,80 |
| 2 600 | 39,0 | 1,96 |
| 3 000 | 38,5 | 2,40 |
| 3 500 | 37,9 | 2,91 |
| 4 000 | 37,4 | 3,43 |
| 4 500 | 36,8 | 3,94 |
| 5 000 | 36,2 | 4,45 |
| 5 200 | 36,0 | 4,66 |
| 5 400 | 35,8 | 4,86 |
| 5 600 | 35,5 | 5,07 |
| 5 800 | 35,3 | 5,27 |
| 6 000 | 35,1 | 5,48 |

NOTE For convenience, permittivity and conductivity values at those frequencies which are not part of the original data provided by Drossos et al. [33] or the extension to 5 800 MHz are provided (i.e. the values shown *in italics*). These values were linearly interpolated between the values in this table that are immediately above and below these values, except the values at 6 000 MHz that were linearly extrapolated from the values at 3 000 MHz and 5 800 MHz.

5 00

Note:

1, Effective February 19, 2019, FCC has permitted the use of single head-tissue simulating liquid specified in IEC 62209-1 for all SAR tests.

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- 2, Mix and Match of traditional FCC SAR TSLs and IEC 62209-1 TSL in a single application is not permitted TSL can be changed in a Permissive Change.
- 3, If SAR increases and original SAR > 1.2 W/kg, additional SAR measurements will be required IEC 62209-1 TSL is an alternative, not mandatory at this time.
- 4, If FCC parameters are used, $\pm 5\%$ tolerance. If IEC parameters, $\pm 10\%$.
- 5, In this case, IEC parameters applied.

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EQUIPMENT LIST AND CALIBRATION

Equipments List & Calibration Information

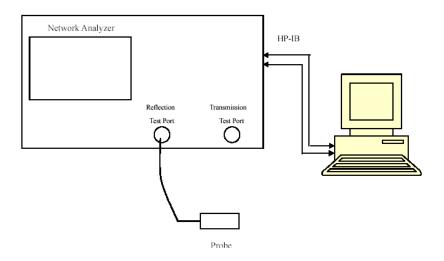
| Equipment | Model | S/N | Calibration Date | Calibration Due Date |
|------------------------------|--------------|---------------|---------------------|-------------------------|
| DASY5 Test Software | DASY52.10 | N/A | NCR | NCR |
| DASY5 Measurement Server | DASY5 4.5.12 | 1470 | NCR | NCR |
| Data Acquisition Electronics | DAE3 | 471 | 2019/12/25 | 2020/12/25 |
| E-Field Probe | ES3DV2 | 3019 | 2019/9/25 | 2020/9/25 |
| Dipole, 450MHz | D450V3 | 1096 | 2019/11/27 | 2022/11/27 |
| Mounting Device | MD4HHTV5 | SD 000 H01 KA | NCR | NCR |
| Oval Flat Phantom | ELI V8.0 | 2051 | NCR | NCR |
| Simulated Tissue 450 MHz | TS-450 | 1709045001 | Each Time | / |
| Network Analyzer | 8753C | 3033A02857 | 2020/8/3 | 2021/8/3 |
| Dielectric assessment kit | 1253 | SM DAK 040 CA | NCR | NCR |
| synthesized signal generator | 8665B | 3438a00584 | 2019/9/12 | 2020/9/11 |
| Power Meter | E4419B | MY45103907 | 2020/5/9 | 2021/5/8 |
| Power Amplifier | ZVA-213-S+ | SN054 201245 | NCR | NCR |
| Directional Coupler | 53dB | 488Z | NCR | NCR |
| Attenuator | 20dB, 100W | LN749 | NCR | NCR |
| Attenuator | 6dB, 150W | 2754 | NCR | NCR |

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SAR MEASUREMENT SYSTEM VERIFICATION

Liquid Verification



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Liquid Verification Setup Block Diagram

Liquid Verification Results

| Frequency | Liquid Typo | Liq Paran | | Target Valu | | Delta (%) | | Tolerance |
|-------------------|--------------------------|----------------|-------|----------------|-------|---------------------------|-------|-----------|
| (MHz) Liquid Type | | ε _r | Q | ε _r | Q | $\Delta arepsilon_{ m r}$ | ΔO | (%) |
| | | o _l | (S/m) | ~1 | (S/m) | 1 | (S/m) | |
| 450 | Simulated Tissue 450 MHz | 43.695 | 0.864 | 43.5 | 0.87 | 0.45 | -0.69 | ±10 |
| 462.6375 | Simulated Tissue 450 MHz | 43.566 | 0.889 | 43.43 | 0.87 | 0.31 | 2.18 | ±10 |
| 467.6375 | Simulated Tissue 450 MHz | 43.319 | 0.891 | 43.41 | 0.87 | -0.21 | 2.41 | ±10 |

^{*}Liquid Verification above was performed on 2020/8/22.

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System Accuracy Verification

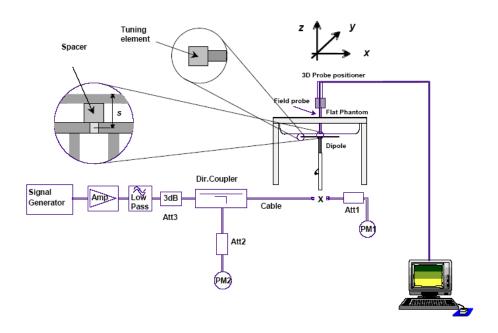
Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

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The spacing distances in the System Verification Setup Block Diagram is given by the following:

- a) $s = 15 \text{ mm} \pm 0.2 \text{ mm for } 300 \text{ MHz} \le f \le 1000 \text{ MHz};$
- b) $s = 10 \text{ mm} \pm 0.2 \text{ mm for } 1000 \text{ MHz} < f \le 3000 \text{ MHz};$
- c) $s = 10 \text{ mm} \pm 0.2 \text{ mm}$ for 3 000 MHz $< f \le 6$ 000 MHz.

System Verification Setup Block Diagram



System Accuracy Check Results

| Date | Frequency Band | Input Power (mW) | Measured SAR (W/kg) | | Normalized to 1W (W/kg) | Target Value (W/kg) | Delta (%) | Tolerance (%) |
|-----------|-------------------|------------------------|---------------------------|-------|-------------------------------|---------------------------|--------------|---------------|
| 2020/8/22 | 450 MHz | 100 | 1g | 0.448 | 4.48 | 4.53 | -1.1 | ±10 |

^{*}The SAR values above are normalized to 1 Watt forward power.

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SAR SYSTEM VALIDATION DATA

System Performance 450 MHz

DUT: Dipole 450 MHz; Type: D450V3; Serial: 1096

Communication System: CW; Frequency: 450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 450 MHz; $\sigma = 0.864 \text{ S/m}$; $\varepsilon_r = 43.695$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

• Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450 MHz; Calibrated: 2019/9/25

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• Sensor-Surface: 4mm (Mechanical Surface Detection)

Electronics: DAE3 Sn471; Calibrated: 2019/12/25

Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.477 W/kg

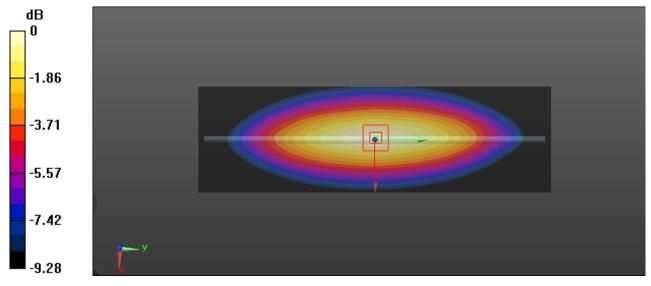
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.48 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.669 W/kg

SAR(1 g) = 0.448 W/kg; SAR(10 g) = 0.302 W/kg

Maximum value of SAR (measured) = 0.481 W/kg



0 dB = 0.481 W/kg = -3.18 dBW/kg

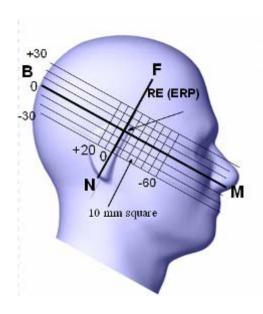
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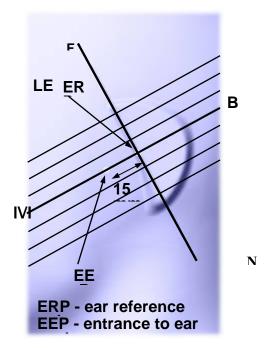
EUT TEST STRATEGY AND METHODOLOGY

Test Positions for Device Operating Next to a Person's Ear

This category includes most wireless handsets with fixed, retractable or internal antennas located toward the top half of the device, with or without a foldout, sliding or similar keypad cover. The handset should have its earpiece located within the upper ¼ of the device, either along the centerline or off-centered, as perceived by its users. This type of handset should be positioned in a normal operating position with the "test device reference point" located along the "vertical centerline" on the front of the device aligned to the "ear reference point". The "test device reference point" should be located at the same level as the center of the earpiece region. The "vertical centerline" should bisect the front surface of the handset at its top and bottom edges. A "ear reference point" is located on the outer surface of the head phantom on each ear spacer. It is located 1.5 cm above the center of the ear canal entrance in the "phantom reference plane" defined by the three lines joining the center of each "ear reference point" (left and right) and the tip of the mouth.

A handset should be initially positioned with the earpiece region pressed against the ear spacer of a head phantom. For the SCC-34/SC-2 head phantom, the device should be positioned parallel to the "N-F" line defined along the base of the ear spacer that contains the "ear reference point". For interim head phantoms, the device should be positioned parallel to the cheek for maximum RF energy coupling. The "test device reference point" is aligned to the "ear reference point" on the head phantom and the "vertical centerline" is aligned to the "phantom reference plane". This is called the "initial ear position". While maintaining these three alignments, the body of the handset is gradually adjusted to each of the following positions for evaluating SAR:





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Cheek/Touch Position

The device is brought toward the mouth of the head phantom by pivoting against the "ear reference point" or along the "N-F" line for the SCC-34/SC-2 head phantom.

This test position is established:

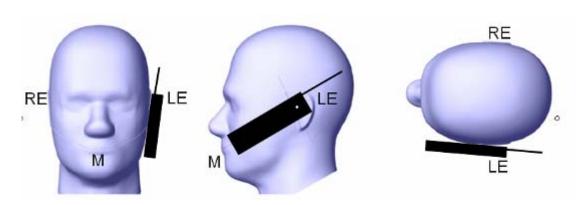
When any point on the display, keypad or mouthpiece portions of the handset is in contact with the phantom.

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(or) When any portion of a foldout, sliding or similar keypad cover opened to its intended self-adjusting normal use position is in contact with the cheek or mouth of the phantom.

For existing head phantoms – when the handset loses contact with the phantom at the pivoting point, rotation should continue until the device touches the cheek of the phantom or breaks its last contact from the ear spacer.

Cheek / Touch Position



Ear/Tilt Position

With the handset aligned in the "Cheek/Touch Position":

- 1) If the earpiece of the handset is not in full contact with the phantom's ear spacer (in the "Cheek/Touch position") and the peak SAR location for the "Cheek/Touch" position is located at the ear spacer region or corresponds to the earpiece region of the handset, the device should be returned to the "initial ear position" by rotating it away from the mouth until the earpiece is in full contact with the ear spacer.
- 2) (otherwise) The handset should be moved (translated) away from the cheek perpendicular to the line passes through both "ear reference points" (note: one of these ear reference points may not physically exist on a split head model) for approximate 2-3 cm. While it is in this position, the device handset is tilted away from the mouth with respect to the "test device reference point" until the inside angle between the vertical centerline on the front surface of the phone and the horizontal line passing through the ear reference point is by 15 80°. After the tilt, it is then moved (translated) back toward the head perpendicular to the line passes through both "ear reference points" until the device touches the phantom or the ear spacer. If the antenna touches the head first, the positioning process should be repeated with a tilt angle less than 15° so that the device and its antenna would touch the phantom simultaneously. This test position may require a device holder or positioner to achieve the translation and tilting with acceptable positioning repeatability.

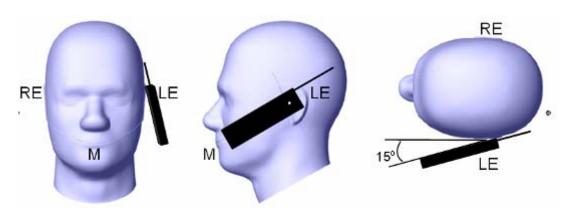
If a device is also designed to transmit with its keypad cover closed for operating in the head position, such positions should also be considered in the SAR evaluation. The device should be tested on the left and right side of the head phantom in the "Cheek/Touch" and "Ear/Tilt" positions. When applicable, each configuration should be tested with the antenna in its fully extended and fully retracted positions. These test configurations should be tested at the high, middle and low frequency channels of each operating mode; for example, AMPS, CDMA, and TDMA. If the SAR

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measured at the middle channel for each test configuration (left, right, Cheek/Touch, Tilt/Ear, extended and retracted) is at least 2.0 dB lower than the SAR limit, testing at the high and low channels is optional for such test configuration(s). If the transmission band of the test device is less than 10 MHz, testing at the high and low frequency channels is optional.

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Ear /Tilt 15° Position



Test positions for body-worn and other configurations

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. When multiple accessories that do not contain metallic components are supplied with the device, the device may be tested with only the accessory that dictates the closest spacing to the body. When multiple accessories that contain metallic components are supplied with the device, the device must be tested with each accessory that contains a unique metallic component. If multiple accessories share an identical metallic component (e.g., the same metallic belt-clip used with different holsters with no other metallic components), only the accessory that dictates the closest spacing to the body must be tested.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components.

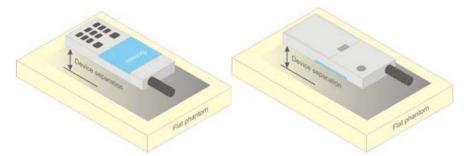


Figure 5 - Test positions for body-worn devices

Test Distance for SAR Evaluation

In this case the DUT(Device Under Test) is set directly against the phantom, the test distance is 0mm for body back mode; and for face up mode the distance is 25mm.

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SAR Evaluation Procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the SAR value at a fixed location above the ear point or central position was used as a reference value for assessing the power drop. The SAR at this point is measured at the start of the test and then again at the end of the testing.

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- Step 2: The SAR distribution at the exposed side of the head was measured at a distance of 4 mm from the inner surface of the shell. The area covered the entire dimension of the head or radiating structures of the EUT, the horizontal grid spacing was 15 mm x 15 mm, and the SAR distribution was determined by integrated grid of 1.5mm x 1.5mm. Based on these data, the area of the maximum absorption was determined by spline interpolation. The first Area Scan covers the entire dimension of the EUT to ensure that the hotspot was correctly identified.
- Step 3: Around this point, a volume of 30 mm x 30 mm x 30 mm was assessed by measuring 7x 7 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:
 - 1) The data at the surface were extrapolated, since the center of the dipoles is 1.2 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
 - 2) The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one dimensional splines with the "Not a knot"-condition (in x, y and z-directions). The volume was integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the averages.

All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the SAR value at the same location as in Step 1. If the value changed by more than 5%, the evaluation was repeated.

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OUTPUT POWER MEASUREMENT

Provision Applicable

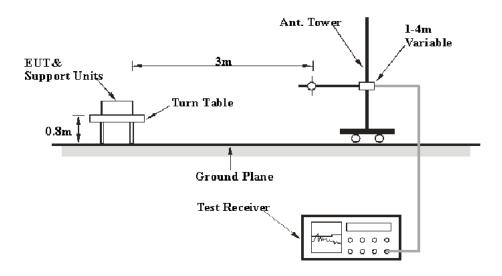
The measured peak output power should be greater and within 5% than EMI measurement.

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Test Procedure

ERP:

The RF output power was perforned in an Anechoic chamber.



Maximum Target Output Power

| Frequency Band | Frequency (MHz) | Max. ERP(with tolerance) for Production Unit (dBm) |
|-------------------------------|--------------------|--|
| 462MHz(462.5500-462.7250MHz) | 462.6375 | 18.5 |
| 467MHz(467.5625-467.7125 MHz) | 467.6375 | 17.6 |

Test Results:

Anechoic chamber

| Mode | Frequency (MHz) | Measured Output Power(ERP) Unit (dBm) |
|----------------------------|--------------------|--|
| PTT(462.5500-467.7125 MHz) | 462.6375 | 18.39 |
| F11(402.3300-407.7123 WHZ) | 467.6375 | 17.51 |

Note:

The frequency band was broken into two channel groups, $462\text{MHz}(462.5500 \sim 462.7250\text{MHz})$ and $467\text{MHz}(467.5625 \sim 467.7125\text{ MHz})$.

Per IEEE1528:2013, the width of the transmit frequency band, $\Delta f = f_{high} - f_{low}$ (where f_{high} is the highest frequency in the band and f_{low} is the lowest) does not exceeds 1% of its center frequency f_c .then only **center frequency** need be tested.

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Antennas Location:



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SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

SAR Test Data

Environmental Conditions

| Temperature: | 22.4-23.5 ℃ |
|--------------------|-------------|
| Relative Humidity: | 44 % |
| ATM Pressure: | 100.9 kPa |
| Test Date: | 2020/8/22 |

Testing was performed by Steve Zhou.

Test Result:

| Test Mode | | Frequency | Worn | Max. Meas. | Max. Rated | 1 g SAR Value(W/kg) | | | | |
|------------------------|-----------------|-----------|-------------|---------------|---------------|---------------------|--------------|-------|---------------|------|
| | | | accessories | | Power (dBm) | Scaled Factor | Meas. SAR | 50% | Scaled SAR | Plot |
| FM (12.5 kHz) Bod Bac | Head Face Up | 462.6375 | Belt Clip | 18.39 | 18.5 | 1.026 | 0.292 | 0.146 | 0.15 | 1# |
| | (25 mm) | 467.6375 | Belt Clip | 17.51 | 17.6 | 1.021 | 0.301 | 0.151 | 0.15 | 2# |
| | Body | 462.6375 | Belt Clip | 18.39 | 18.5 | 1.026 | 0.873 | 0.437 | 0.45 | 3# |
| | (0 mm) | 467.6375 | Belt Clip | 17.51 | 17.6 | 1.021 | 0.692 | 0.346 | 0.35 | 4# |

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Note:

- 1. For a PTT, only simplex communication technology was supported, so the SAR value need to be corrected by Multiplying 50%.
- Passive body-worn and audio accessories generally do not apply to the head SAR of PTT radios.
 The whole antenna and radiating structures that may contribute to the measured SAR or influence the SAR distribution has been included in the area scan.

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SAR Measurement Variability

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz v01. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results

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- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.
- 5) The same procedures should be adapted for measurements according to occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

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

The Highest Measured SAR Configuration in Each Frequency Band

Head(Face Up)

| SAR probe | Frequency | Energ (MIII-) | ELIT Docition | Meas. SA | Largest to | | |
|-------------------|-----------|---------------|---------------|----------|------------|-----------------------|--|
| calibration point | Band | Freq.(MHz) | EUT Position | Original | Repeated | Smallest SAR Ratio | |
| / | / | / | / | / | / | / | |

Body(Body Back)

| SAR probe | Frequency | For a (MII-) | FUT Desition | Meas. SA | Largest to | |
|------------------------|-----------------|--------------|--------------|----------|------------|-----------------------|
| calibration point | Band Freq.(MHz) | Freq.(MHz) | EUT Position | Original | Repeated | Smallest SAR Ratio |
| 450MHz (350-550MHz) | FM_12.5kHz | 462.6375 | Body Back | 0.873 | 0.861 | 1.01 |

Note:

- 1. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not > 1.20.
- 2. The measured SAR results **do not** have to be scaled to the maximum tune-up tolerance to determine if repeated measurements are required.
- 3. SAR measurement variability must be assessed for each frequency band, which is determined by the **SAR probe calibration point and tissue-equivalent medium** used for the device measurements.

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SAR Plots

Test Plot 1#:FM_462.6375MHz_Face Up

DUT: Walkie Talkie; Type: HK-288; Serial: RDG200817100-SA-S1

Communication System: FM; Frequency: 462.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 462.637 MHz; $\sigma = 0.889 \text{ S/m}$; $\varepsilon_r = 43.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 462.637 MHz; Calibrated: 2019/9/25

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- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.286 W/kg

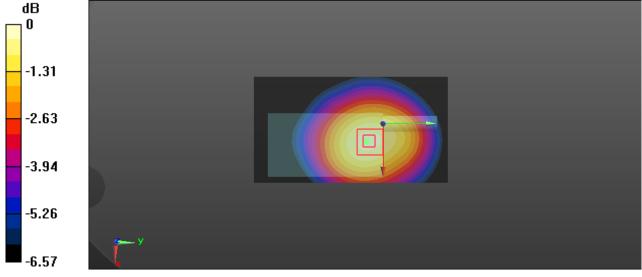
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.37 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.349 W/kg

SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.228 W/kg

Maximum value of SAR (measured) = 0.306 W/kg



0 dB = 0.306 W/kg = -5.14 dBW/kg

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Test Plot 2#: FM 467.6375MHz Face Up

DUT: Walkie Talkie; Type: HK-288; Serial: RDG200817100-SA-S1

Communication System: FM; Frequency: 467.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 467.637 MHz; $\sigma = 0.891$ S/m; $\varepsilon_r = 43.319$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.637 MHz; Calibrated: 2019/9/25

Report No.: RDG200817100-20

• Sensor-Surface: 4mm (Mechanical Surface Detection)

• Electronics: DAE3 Sn471; Calibrated: 2019/12/25

Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.329 W/kg

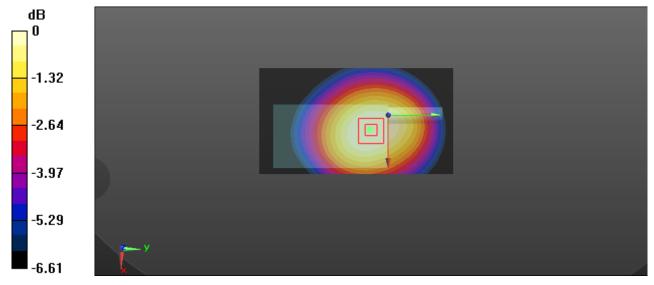
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.19 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.301 W/kg; SAR(10 g) = 0.235 W/kg

Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.315 W/kg = -5.02 dBW/kg

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Test Plot 3#: FM_462.6375MHz_Body Back

DUT: Walkie Talkie; Type: HK-288; Serial: RDG200817100-SA-S1

Communication System: FM; Frequency: 462.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 462.637 MHz; $\sigma = 0.889 \text{ S/m}$; $\varepsilon_r = 43.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 462.637 MHz; Calibrated: 2019/9/25

Report No.: RDG200817100-20

• Sensor-Surface: 4mm (Mechanical Surface Detection)

• Electronics: DAE3 Sn471; Calibrated: 2019/12/25

• Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.998 W/kg

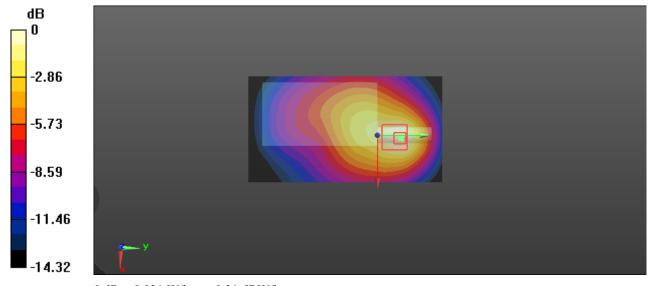
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.09 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.503 W/kg

Maximum value of SAR (measured) = 0.931 W/kg



0 dB = 0.931 W/kg = -0.31 dBW/kg

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Test Plot 4#: FM 467.6375MHz Body Back

DUT: Walkie Talkie; Type: HK-288; Serial: RDG200817100-SA-S1

Communication System: FM; Frequency: 467.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 467.637 MHz; $\sigma = 0.891$ S/m; $\varepsilon_r = 43.319$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

• Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.637 MHz; Calibrated: 2019/9/25

Report No.: RDG200817100-20

• Sensor-Surface: 4mm (Mechanical Surface Detection)

• Electronics: DAE3 Sn471; Calibrated: 2019/12/25

• Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x111x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.770 W/kg

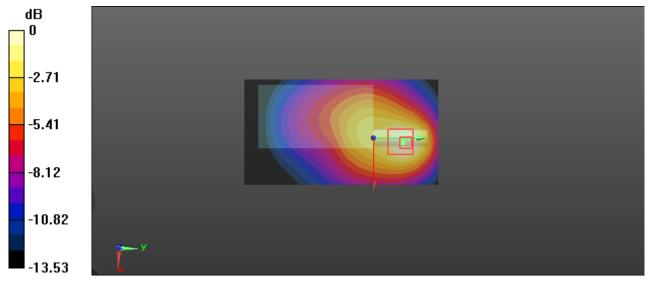
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.42 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.56 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.398 W/kg

Maximum value of SAR (measured) = 0.721 W/kg



0 dB = 0.721 W/kg = -1.42 dBW/kg

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APPENDIX A MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the measurement system and is given in the following Table.

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Measurement uncertainty evaluation for IEEE1528-2013 SAR test

| Source of uncertainty | Tolerance/ uncertainty ± % | Probability distribution | Divisor | ci (1 g) | ci (10 g) | Standard uncertainty ± %, (1 g) | Standard uncertainty ± %, (10 g) |
|--|----------------------------------|-----------------------------|------------|-------------|--------------|---------------------------------|--|
| | | Measurement | t system | • | • | • | |
| Probe calibration | 6.55 | N | 1 | 1 | 1 | 6.6 | 6.6 |
| Axial Isotropy | 4.7 | R | √3 | 1 | 1 | 2.7 | 2.7 |
| Hemispherical Isotropy | 9.6 | R | √3 | 0 | 0 | 0.0 | 0.0 |
| Boundary effect | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Linearity | 4.7 | R | √3 | 1 | 1 | 2.7 | 2.7 |
| Detection limits | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Readout electronics | 0.3 | N | 1 | 1 | 1 | 0.3 | 0.3 |
| Response time | 0.0 | R | √3 | 1 | 1 | 0.0 | 0.0 |
| Integration time | 0.0 | R | √3 | 1 | 1 | 0.0 | 0.0 |
| RF ambient conditions – noise | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| RF ambient conditions–reflections | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Probe positioner mech. Restrictions | 0.8 | R | √3 | 1 | 1 | 0.5 | 0.5 |
| Probe positioning with respect to phantom shell | 6.7 | R | √3 | 1 | 1 | 3.9 | 3.9 |
| Post-processing | 2.0 | R | √3 | 1 | 1 | 1.2 | 1.2 |
| | | Test sample | related | | | | |
| Test sample positioning | 2.8 | N | 1 | 1 | 1 | 2.8 | 2.8 |
| Device holder uncertainty | 6.3 | N | 1 | 1 | 1 | 6.3 | 6.3 |
| Drift of output power | 5.0 | R | √3 | 1 | 1 | 2.9 | 2.9 |
| | | Phantom and | l set-up | | | | |
| Phantom uncertainty (shape and thickness tolerances) | 4.0 | R | $\sqrt{3}$ | 1 | 1 | 2.3 | 2.3 |
| Liquid conductivity target) | 5.0 | R | √3 | 0.64 | 0.43 | 1.8 | 1.2 |
| Liquid conductivity meas.) | 2.5 | N | 1 | 0.64 | 0.43 | 1.6 | 1.1 |
| Liquid permittivity target) | 5.0 | R | √3 | 0.6 | 0.49 | 1.7 | 1.4 |
| Liquid permittivity meas.) | 2.5 | N | 1 | 0.6 | 0.49 | 1.5 | 1.2 |
| Combined standard uncertainty | | RSS | | | | 12.2 | 12.0 |
| Expanded uncertainty 95 % confidence interval) | | | | | | 24.3 | 23.9 |

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Measurement uncertainty evaluation for IEC62209-1 SAR test

| Source of uncertainty | Tolerance/ uncertainty ± % | Probability distribution | Divisor | ci (1 g) | ci (10 g) | Standard uncertainty ± %, (1 g) | Standard uncertainty ± %, (10 g) |
|--|----------------------------------|--------------------------|-----------|-------------|--------------|---------------------------------------|--|
| | | Measureme | nt system | l | | | |
| Probe calibration | 6.55 | N | 1 | 1 | 1 | 6.6 | 6.6 |
| Axial Isotropy | 4.7 | R | √3 | 1 | 1 | 2.7 | 2.7 |
| Hemispherical Isotropy | 9.6 | R | √3 | 0 | 0 | 0.0 | 0.0 |
| Boundary effect | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Linearity | 4.7 | R | √3 | 1 | 1 | 2.7 | 2.7 |
| Detection limits | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Readout electronics | 0.3 | N | 1 | 1 | 1 | 0.3 | 0.3 |
| Response time | 0.0 | R | √3 | 1 | 1 | 0.0 | 0.0 |
| Integration time | 0.0 | R | √3 | 1 | 1 | 0.0 | 0.0 |
| RF ambient conditions – noise | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| RF ambient conditions–reflections | 1.0 | R | √3 | 1 | 1 | 0.6 | 0.6 |
| Probe positioner mech. Restrictions | 0.8 | R | √3 | 1 | 1 | 0.5 | 0.5 |
| Probe positioning with respect to phantom shell | 6.7 | R | √3 | 1 | 1 | 3.9 | 3.9 |
| Post-processing | 2.0 | R | √3 | 1 | 1 | 1.2 | 1.2 |
| | | Test sampl | e related | | | | |
| Test sample positioning | 2.8 | N | 1 | 1 | 1 | 2.8 | 2.8 |
| Device holder uncertainty | 6.3 | N | 1 | 1 | 1 | 6.3 | 6.3 |
| Drift of output power | 5.0 | R | √3 | 1 | 1 | 2.9 | 2.9 |
| | | Phantom ar | nd set-up | | | | |
| Phantom uncertainty (shape and thickness tolerances) | 4.0 | R | √3 | 1 | 1 | 2.3 | 2.3 |
| Liquid conductivity target) | 5.0 | R | √3 | 0.64 | 0.43 | 1.8 | 1.2 |
| Liquid conductivity meas.) | 2.5 | N | 1 | 0.64 | 0.43 | 1.6 | 1.1 |
| Liquid permittivity target) | 5.0 | R | √3 | 0.6 | 0.49 | 1.7 | 1.4 |
| Liquid permittivity meas.) | 2.5 | N | 1 | 0.6 | 0.49 | 1.5 | 1.2 |
| Combined standard uncertainty | | RSS | | | | 12.2 | 12.0 |
| Expanded uncertainty 95 % confidence interval) | | | | | | 24.3 | 23.9 |

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Declarations

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- 1. BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol "Δ". Customer model name, addresses, names, trademarks etc. are not considered data.
- 2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
- 3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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***** END OF REPORT *****

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