



TEST REPORT

Applicant Name : Flyability SA

Address: EPFL INNOVATION PARK BLDG C, Lausanne Switzerland

Report Number: CR21100120-SA

FCC ID: 2AL7M-MAGICKAYAKRC2

Test Standard (s)

FCC Part 2.1093

Sample Description

Product Type: GCS GOV
Model No.: 108060
Trade Mark: Flyability
Date Received: 2021/10/08
Date of Test: 2021/12/02
Report Date: 2021/12/03

Test Result: Pass*

Prepared and Checked By:

Princeli

Lance Li

EMC Engineer

Approved By:

Candy Li

EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk " \star ".

Shenzhen Accurate Technology Co., Ltd. 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 an asterisk '*'. Customer model name, addresses, names, trademarks etc. are not considered data.

This report cannot be reproduced except in full, without prior written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

Shenzhen Accurate Technology Co., Ltd.

1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China
Tel: +86 755-26503290 Fax: +86 755-26503396 Web: www.atc-lab.com

^{*} In the configuration tested, the EUT complied with the standards above.

Attestation of Test Results							
	EUT Description	GCS GOV					
	Tested Model	108060					
EUT Information	Trade Mark	Flyability					
	FCC ID	2AL7M-MAGICKAYAKRC2					
	Serial Number	CR21100120-SA-S1					
MC	DDE	Max. SAR Level(s) Reported(W/kg)	Limit (W/kg)				
SRD 2.4G	1g Body SAR	0.79	1.6				
Simultaneous	1g Body SAR	1.42	1.0				
SRD 2.4G	10g Extremity SAR	0.74	4.0				
Simultaneous	10g Extremity SAR	1.47	4.0				
	FCC 47 CFR part 2.1093 Radiofrequency radiation exposure evaluation: portable devices						
	RF Exposure Procedures: TCB Workshop April 2019						
Accellente	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						
Applicable Standards	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 865664 D01 SA KDB 865664 D02 RF	eneral RF Exposure Guidance v06. R Measurement 100 MHz to 6 GHz v01r04 Exposure Reporting v01r02 MPC Mini Tablet v01r02					

Report No.: CR21100120-SA

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.

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY	4
EUT DESCRIPTION	5
TECHNICAL SPECIFICATION	5
REFERENCE, STANDARDS, AND GUIDELINES	6
SAR LIMITS	
FACILITIES	8
DESCRIPTION OF TEST SYSTEM	9
EQUIPMENT LIST AND CALIBRATION	14
Equipments List & Calibration Information	
SAR MEASUREMENT SYSTEM VERIFICATION	15
Liquid Verification	
System Accuracy Verification	
SAR SYSTEM VALIDATION DATA	
EUT TEST STRATEGY AND METHODOLOGY	
TEST POSITIONS FOR DEVICE OPERATING NEXT TO A PERSON'S EAR	
EAR/TILT POSITION	
TEST POSITIONS FOR BODY-WORN AND OTHER CONFIGURATIONS	20
TEST DISTANCE FOR SAR EVALUATION	
SAR EVALUATION PROCEDURE	
CONDUCTED OUTPUT POWER MEASUREMENT	
Provision Applicable Test Procedure	
MAXIMUM TARGET OUTPUT POWER	
Test Results:	
STANDALONE SAR TEST EXCLUSION CONSIDERATIONS	24
Antenna Distance To Edge	24
STANDALONE SAR TEST EXCLUSION CONSIDERATIONS:	
SAR TEST EXCLUSION FOR THE EUT EDGE CONSIDERATIONS RESULT	
SAR MEASUREMENT RESULTS	
SAR TEST DATA	
SAR MEASUREMENT VARIABILITY	
SAR SIMULTANEOUS TRANSMISSION DESCRIPTION	32
SAR PLOTS	33
APPENDIX A MEASUREMENT UNCERTAINTY	34
APPENDIX B EUT TEST POSITION PHOTOS	35
APPENDIX C PROBE CALIBRATION CERTIFICATES	36
APPENDIX D DIPOLE CALIBRATION CERTIFICATES	37

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision	
0	CR21100120-SA	Original Report	2021-12-03	

Report No.: CR21100120-SA

EUT DESCRIPTION

This report has been prepared on behalf of *Flyability SA* and their product *GCS GOV*, Model: *108060*, FCC ID: *2AL7M-MAGICKAYAKRC2* or the EUT (Equipment under Test) as referred to in the rest of this report.

Report No.: CR21100120-SA

Technical Specification

Device Type:	Portable
Exposure Category:	Population / Uncontrolled
Antenna Type(s):	External Antenna
Body-Worn Accessories:	None
Operation Mode:	SRD 2.4G
Frequency Band:	SRD 2.4G(4M): 2405-2479 MHz SRD 2.4G(8M): 2407-2477 MHz
Conducted RF Power:	SRD 2.4G: 21.94 dBm
Power Source:	7.2 VDC Rechargeable Battery
Normal Operation:	Body Supported and Handheld

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.

Report No.: CR21100120-SA

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.

Version 801: 2021-11-09 Page 6 of 37 FCC SAR

SAR Limits

FCC Limit(1g Tissue)

Report No.: CR21100120-SA

	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(10g Tissue)

	SAR (W/kg)				
EXPOSURE LIMITS	(General Population / Uncontrolled Exposure	(Occupational / 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 4.0W/kg for 10g Extremity SAR and 1.6W/kg for 1g Body SAR applied to the EUT.

FACILITIES

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

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.: 708358,the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 4297.01

Report No.: CR21100120-SA

Listed by Innovation, Science and Economic Development Canada (ISEDC), the Registration Number is 5077A.

The test site has been registered with ISED Canada under ISED Canada Registration Number CN0016.

Version 801: 2021-11-09 Page 8 of 37 FCC SAR

DESCRIPTION OF TEST SYSTEM

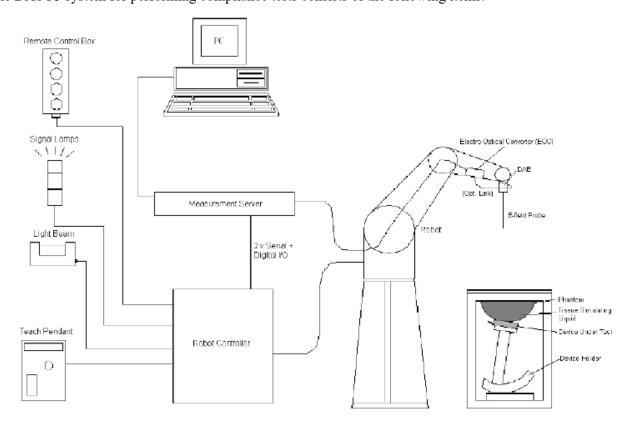
These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:

Report No.: CR21100120-SA



DASY5 System Description

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



Version 801: 2021-11-09 Page 9 of 37 FCC SAR

- A standard high precision 6-axis robot (Staubli TX=RX family) 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.

Report No.: CR21100120-SA

- 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 400 MHz Intel ULV Celeron, 128 MB chip-disk and 128 MB 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 DASY6 I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluations of field measurements and surface detection, controls robot movements, and handles safety operations. The PC operating system cannot interfere with these time-critical 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 pinout, and therefore only devices provided by SPEAG can be connected. Connection of 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.

EX3DV4 E-Field Probes

Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)				
Directivity	\pm 0.3 dB in TSL (rotation around probe axis) \pm 0.5 dB in TSL (rotation normal to probe axis)				
Dynamic Range	10 $\mu W/g$ to $>$ 100 mW/g Linearity: \pm 0.2 dB (noise: typically $<$ 1 $\mu W/g$)				
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				

SAM Twin Phantom

The SAM Twin Phantom (shown in front of DASY5) is a fiberglass shell phantom with shell thickness 2 mm, except in the ear region where the thickness is increased to 6 mm..

When the phantom is mounted inside allocated slot of the DASY5 platform, phantom reference points can be taught directly in the DASY5 V5.2 software. When the DASY5 platform is used to mount the

Phantom, some of the phantom teaching points cannot be reached by the robot in DASY5 V5.2. A special tool called P1a-P2aX-Former is provided to transform two of the three points, P1 and P2, to reachable locations. To use these new teaching points, a revised phantom configuration file is required.

In addition to our standard broadband liquids, the phantom can be used with the following tissue simulating liquids:

Sugar-water-based liquids can be left permanently in the phantom. Always cover the liquid when the system is not in use to prevent changes in liquid parameters due to water evaporation.



Report No.: CR21100120-SA

DGBE-based liquids should be used with care. As DGBE is a softener for most plastics, the liquid should be taken out of the phantom, and the phantom should be dried when the system is not in use (desirable at least once a week).

Do not use other organic solvents without previously testing the solvent resistivity of the phantom. Approximately 25 liters of liquid is required to fill the SAM Twin phantom.

Calibration Frequency Points for EX3DV4 E-Field Probes SN: 7522 Calibrated: 2021/04/19

Calibration Frequency	Frequency	Range(MHz)	Conversion Factor			
Point(MHz)	From	То	X	Y	Z	
750 Head	650	850	9.93	9.93	9.93	
900 Head	850	1000	9.39	9.39	9.39	
1750 Head	1650	1850	8.16	8.16	8.16	
1900 Head	1850	2000	7.94	7.94	7.94	
2300 Head	2200	2400	7.61	7.61	7.61	
2450 Head	2400	2550	7.25	7.25	7.25	
2600 Head	2550	2700	7.05	7.05	7.05	

Report No.: CR21100120-SA

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.

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.

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

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

Report No.: CR21100120-SA

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.

Version 801: 2021-11-09 Page 13 of 37 FCC SAR

EQUIPMENT LIST AND CALIBRATION

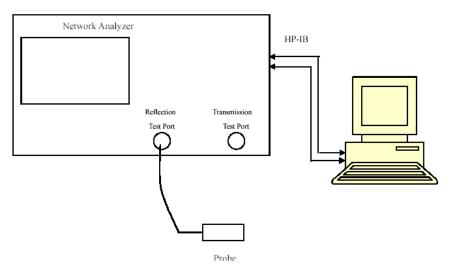
Equipments List & Calibration Information

Equipment	Model	S/N	Calibration Date	Calibration Due Date
DASY5 Test Software	DASY52 52.10.4	N/A	NCR	NCR
DASY5 Measurement Server	DASY5 6.0.31	N/A	NCR	NCR
Data Acquisition Electronics	DAE4	1562	2021/01/19	2022/01/18
E-Field Probe	EX3DV4	7441	2021/2/23	2022/2/22
Mounting Device	MD4HHTV5	SD 000 H01 KA	NCR	NCR
SAM Twin Phantom	SAM-Twin V5.0	1744	NCR	NCR
Dipole,2450MHz	D2450V2	751	2020/10/13	2023/10/12
Simulated Tissue Liquid Head(500-9500MHz)	HBBL600-10000V6	180622-2	Each Time	/
Network Analyzer	8753D	3410A08288	2021/7/07	2022/7/06
Dielectric Assessment Kit	DAK-3.5	1248	NCR	NCR
Signal Generator	SMB100A	108362	2020/12/24	2021/12/23
USB wideband power sensor	U2021XA	MY52350001	2021/7/31	2022/7/30
Power Amplifier	CBA 1G-070	T44328	2020/12/24	2021/12/23
Linear Power Amplifier	AS0860-40/45	1060913	2020/12/24	2021/12/23
Directional Coupler	4223-20	3.113.277	2020/12/25	2021/12/24
6dB Attenuator	8493B 6dB Attenuator	2708A 04769	2020/12/25	2021/12/24

Report No.: CR21100120-SA

SAR MEASUREMENT SYSTEM VERIFICATION

Liquid Verification



Report No.: CR21100120-SA

Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency	Liquid Tuno	Liquid Parameter		Target Value		Delta (%)		Tolerance
(MHz)	Liquid Type	ε _r	O' (S/m)	$\epsilon_{ m r}$	O' (S/m)	$\Delta\epsilon_{ m r}$	ΔΟ΄ (S/m)	(%)
2405	Simulated Tissue Liquid Head	40.565	1.756	39.29	1.76	3.25	-0.23	±10
2407	Simulated Tissue Liquid Head	40.512	1.778	39.29	1.76	3.11	1.02	±10
2442	Simulated Tissue Liquid Head	40.317	1.816	39.22	1.79	2.8	1.45	±10
2450	Simulated Tissue Liquid Head	40.032	1.822	39.20	1.80	2.12	1.22	±10
2471	Simulated Tissue Liquid Head	39.957	1.852	39.17	1.82	2.01	1.76	±10
2475	Simulated Tissue Liquid Head	39.871	1.898	39.17	1.83	1.79	3.72	±10

^{*}Liquid Verification above was performed on 2021/12/02.

System Accuracy Verification

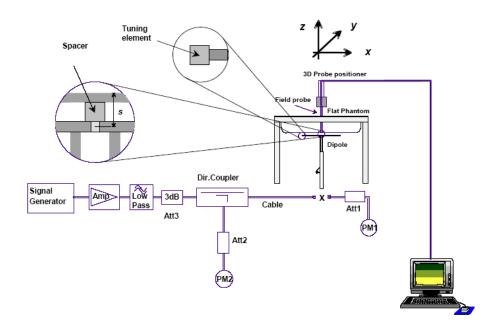
Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

Report No.: CR21100120-SA

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

System Verification Setup Block Diagram



System Accuracy Check Results

Date	Frequency Band	Liquid Type	Input Power (mW)	:	sured SAR //kg)	Normalized to 1W (W/kg)	Target Value (W/kg)	Delta (%)	Tolerance (%)
2021/12/02	2450 MHz	Head	100	1g	5.06	50.6	53	-4.53	±10
2021/12/02 2450 M	2430 MITZ	пеац	100	10g	2.38	23.8	24.4	-2.46	±10

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

SAR SYSTEM VALIDATION DATA

DUT: D2450V2; Type: 2450 MHz; Serial: 751

Communication System: UID 0, CW (0); Frequency: 2450 MHz; Duty Cycle: 1:1 Medium parameters used: f = 2450 MHz; $\sigma = 1.822$ S/m; $\varepsilon_r = 40.032$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

• Probe: EX3DV4 - SN7441; ConvF(7.63, 7.63, 7.63) @ 2450 MHz; Calibrated: 2021/2/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn1562; Calibrated: 2021/1/19

Phantom: Head model; Type: QD000P40CC; Serial: TP:1744

• Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

System Performance Cheek at 2450MHz/d=10mm, Pin=100mw/Area Scan (101x111x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Report No.: CR21100120-SA

Maximum value of SAR (interpolated) = 5.68 W/kg

System Performance Cheek at 2450MHz/d=10mm, Pin=100mw/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

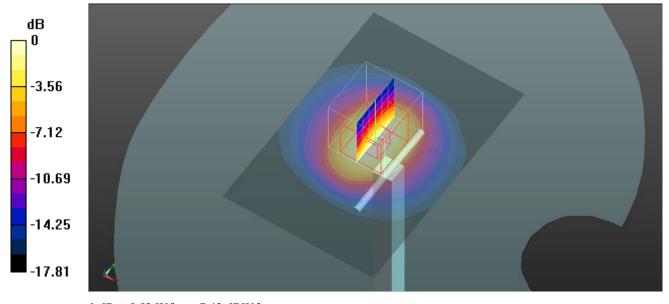
dx=5mm, dy=5mm, dz=5mm

Reference Value = 50.16 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.74 W/kg

SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.38 W/kg

Maximum value of SAR (measured) = 5.52 W/kg



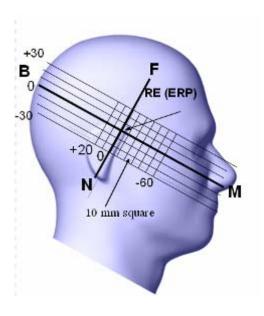
0 dB = 5.52 W/kg = 7.42 dBW/kg

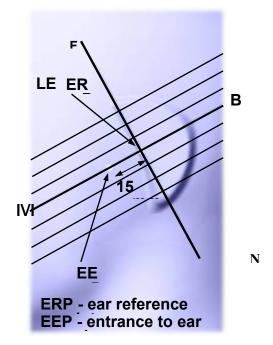
EUT TEST STRATEGY AND METHODOLOGY

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 ½ 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:





Report No.: CR21100120-SA

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.

Report No.: CR21100120-SA

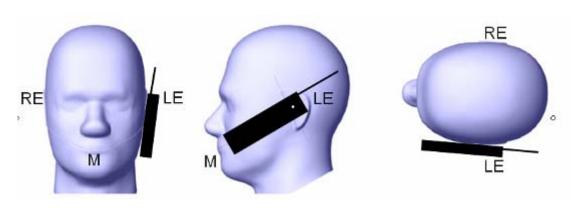
This test position is established:

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

(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

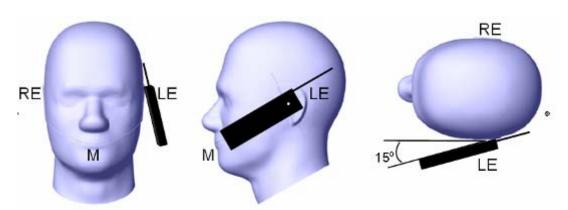
With the handset aligned in the "Cheek/Touch Position":

- 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 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.

Ear /Tilt 15° Position

Report No.: CR21100120-SA



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.

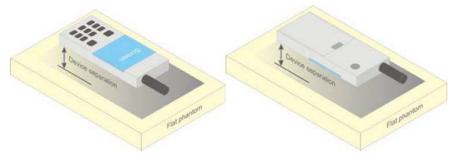


Figure 5 - Test positions for body-worn devices

Test Distance for SAR Evaluation

For Handheld mode(10g Extremity SAR) the EUT(Equipment Under Test) is set directly against the phantom, the test distance is 0mm;

For Close to Body mode(1g Body SAR) the EUT is set 10mm away from the phantom, the test distance is 10mm.

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.

Report No.: CR21100120-SA

- 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.

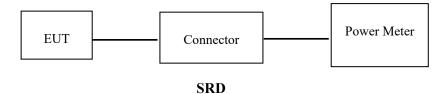
CONDUCTED OUTPUT POWER MEASUREMENT

Provision Applicable

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

Test Procedure

The RF output of the transmitter was connected to the input port of the Power Meter through Connector.



Report No.: CR21100120-SA

Maximum Target Output Power

Mode	Channel	Frequency (MHz)		Target r(dBm)
		(IVIIIZ)	Chain 0	Chain 1
		2405	10.5	12
	Low	2406	10.7	11
		2407	13.5	14.5
	Mid	2442	13.5	14.5
4M		2474	13	13.5
4101		2475	6	7
	II: _1.	2476	1.5	3.5
	High	2477	-3	-2
		2478	-7	-6
		2479	-6	-7
		2407	18	18.5
	Low	2408	18	18.5
		2409	21.5	22
	Mid	2442	21.5	22
		2471	20.5	21.5
8M		2472	13	14
		2473	10.5	12
	High	2474	8.5	10
		2475	0	0.5
		2476	-0.5	0.5
		2477	-0.5	0.5

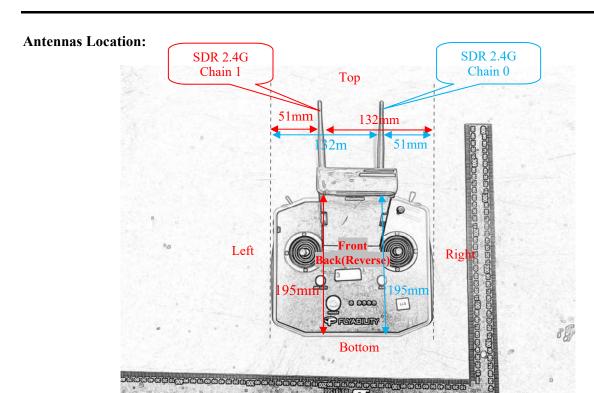
Test Results:

SRD 2.4G:

		Frequency	Maximui	Maximum Conducted Average				
Mode	Channel	(MHz)	Output Power					
		(MIIIZ)	Chain 0	Chain 1	Total			
		2405	10.38	11.53	14			
	Low	2406	10.68	10.81	13.76			
		2407	13.35	14.08	16.74			
	Mid	2442	13.39	14.13	16.79			
4M		2474	12.57	13.42	16.03			
4101		2475	5.82	6.94	9.43			
	High	2476	1.16	3.15	5.28			
	riigii	2477	-3.64	-2.48	-0.01			
		2478	-7.34	-6.81	-4.06			
		2479	-6.85	-7.02	-3.92			
		2407	17.85	18.15	21.01			
	Low	2408	17.77	18.09	20.94			
		2409	21.36	21.93	24.66			
	Mid	2442	21.48	21.94	24.73			
		2471	20.42	21.36	23.93			
8M		2472	12.69	13.72	16.25			
		2473	10.2	11.6	13.97			
	High	2474	8.01	9.94	12.09			
		2475	-0.82	0.11	2.68			
		2476	-0.79	0.1	2.69			
		2477	-0.77	0.46	2.9			

Report No.: CR21100120-SA

Standalone SAR test exclusion considerations



Report No.: CR21100120-SA

Antenna Distance To Edge

Antenna Distance To Edge(mm)							
Antenna Back Front Left Right Top Botton					Bottom		
SRD 2.4G Chain 0	< 5	48	132	51	< 5	195	
SRD 2.4G Chain 1	< 5	48	51	132	< 5	195	

Standalone SAR test exclusion considerations

Mode	Frequency (MHz)	Pavg (dBm)	Pavg (mW)	Distance (mm)	Calculated value	Threshold	SAR Test Exclusion
SRD 2.4G Chain 0	2442	21.5	141.3	0	44.2	3.0	No
SRD 2.4G Chain 1	2442	22	158.5	0	49.5	3.0	No

NOTE:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

 $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- 1. f(GHz) is the RF channel transmit frequency in GHz.
- 2. Power and distance are rounded to the nearest mW and mm before calculation.
- 3. The result is rounded to one decimal place for comparison.
- 4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.

Standalone SAR test exclusion considerations:

Mode	Frequency (MHz)	Pavg (dBm)	Pavg (mW)	Test Exclusion Distance (mm)
SRD 2.4G Chain 0	2442	21.5	141.3	54.6
SRD 2.4G Chain 1	2442	22	158.5	56.3

Report No.: CR21100120-SA

Note: The maximum time based average power is used for calculation.

SAR test exclusion for the EUT edge considerations Result

Mode	Back	Front	Left	Right	Тор	Bottom
SRD 2.4G Chain 0	Required	Required	Exclusion	Required	Required	Exclusion
SRD 2.4G Chain 1	Required	Required	Required	Exclusion	Required	Exclusion

Note:

Required: The distance is less than **Test Exclusion Distance**, the SAR test is required. Exclusion: The distance is large than **Test Exclusion Distance**, SAR test is not required.

SAR test exclusion for the EUT edge considerations detail:

Distance < 50mm (To Edges)

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

 $[\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- 1. f(GHz) is the RF channel transmit frequency in GHz.
- 2. Power and distance are rounded to the nearest mW and mm before calculation.
- 3. The result is rounded to one decimal place for comparison.
- 4. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test Exclusion.
- 5. The Time based average Power is used for calculation

Distance > 50mm(To Edges)

At 100 MHz to 6 GHz and for *test separation distances* > 50 mm, the SAR test exclusion threshold is determined according to the following:

- a) [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
- b) [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance 50 mm)·10] mW at > 1500 MHz and \leq 6 GHz.

SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

Report No.: CR21100120-SA

SAR Test Data

Environmental Conditions

Temperature:	21.5-22.3 ℃
Relative Humidity:	43-52 %
ATM Pressure:	101.3 kPa
Test Date:	2021/12/02

Testing was performed by Seven Liang, Jacky Yang, Fake ou.

Version 801: 2021-11-09 Page 26 of 37 FCC SAR

SRD 2.4G Chain 0:

DUC	D a se d se d d de	Frequency	Max. Meas.	Max. Rated	1 g SAl	R (W/kg),	, Limit=1.	6W/kg
EUT Position	Bandwidth (MHz)	(MHz)	Power (dBm)	Power (dBm)	Scaled Factor	Meas. SAR	Scaled SAR	Plot
		2409	/	/	/	/	/	/
Body Back (10mm)	8M	2442	21.48	21.5	1.005	0.182	0.18	1#
(1011111)		2471	/	/	/	/	/	/
Body Back With		2409	/	/	/	/	/	/
antenna fold	8M	2442	21.48	21.5	1.005	< 0.01	0.01	/
(10mm)		2471	/	/	/	/	/	/
	8M	2409	/	/	/	/	/	/
Body Front (10mm)		2442	21.48	21.5	1.005	0.053	0.05	2#
		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
Body Right (10mm)	8M	2442	21.48	21.5	1.005	0.027	0.03	3#
(1011111)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
	8M	2442	21.48	21.5	1.005	0.782	0.79	4#
Body Top		2471	/	/	/	/	/	/
(10mm)		2407	/	/	/	/	/	/
	4M	2442	13.39	13.5	1.026	0.243	0.25	5#
		2474	/	/	/	/	/	/

Report No.: CR21100120-SA

	Rep	oort No.: C	R2110012	0-SA					
g SAR (W/kg), Limit=4.0W/kg									
ed ctor	Meas. SAR	Scaled SAR	Plot						
	/	/	/						
)5	0.133	0.13	6#						
	/	/	/						
	/	/	/						
)5	< 0.01	0.01	/						
	/	/	/						
	/	/	/						
	0.042	0.04	7.11						

EUT	Bandwidth	Engguenav	Max. Meas.	Max. Rated	10 g SA	R (W/kg)	, Limit=4	.0W/kg
Position	(MHz)	(MHz)	Power (dBm)	Power (dBm)	Scaled Factor	Meas. SAR	Scaled SAR	Plot
		2409	/	/	/	/	/	/
Handheld Back (0mm)	8M	2442	21.48	21.5	1.005	0.133	0.13	6#
(* =====)		2471	/	/	/	/	/	/
Handheld Back With		2409	/	/	/	/	/	/
antenna fold	8M	2442	21.48	21.5	1.005	< 0.01	0.01	/
(0mm)		2471	/	/	/	/	/	/
	8M	2409	/	/	/	/	/	/
Handheld Front (0mm)		2442	21.48	21.5	1.005	0.042	0.04	7#
(omm)		2471	/	/	/	/	/	/
	8M	2409	/	/	/	/	/	/
Handheld Right (0mm)		2442	21.48	21.5	1.005	0.016	0.02	8#
(omm)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
	8M	2442	21.48	21.5	1.005	0.733	0.74	9#
Handheld Top		2471	/	/	/	/	/	/
(0mm)	4M	2407	/	/	/	/	/	/
		2442	13.39	13.5	1.026	0.305	0.31	10#
		2474	/	/	/	/	/	/

SRD 2.4G Chain 1:

DUT	Don don't dale	E	Max.	Max. Rated	1 g SAl	R (W/kg),	, Limit=1.	6W/kg
EUT Position	Bandwidth (MHz)	Frequency (MHz)	Meas. Power (dBm)	Power (dBm)	Scaled Factor	Meas. SAR	Scaled SAR	Plot
		2409	/	/	/	/	/	/
Body Back (10mm)	8M	2442	21.94	22	1.014	0.141	0.14	11#
(1011111)		2471	/	/	/	/	/	/
Body Back With		2409	/	/	/	/	/	/
antenna fold	8M	2442	21.94	22	1.014	< 0.01	0.01	/
(10mm)		2471	/	/	/	/	/	/
	8M	2409	/	/	/	/	/	/
Body Front (10mm)		2442	21.94	22	1.014	0.052	0.05	12#
(1011111)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
Body Left (10mm)	8M	2442	21.94	22	1.014	0.021	0.02	13#
(1011111)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
	8M	2442	21.94	22	1.014	0.617	0.63	14#
Body Top		2471	/	/	/	/	/	/
(10mm)		2407	/	/	/	/	/	/
	4M	2442	14.13	14.5	1.089	0.198	0.22	15#
		2474	/	/	/	/	/	/

Report No.: CR21100120-SA

EUT	Bandwidth	Frequency	Max. Meas.	Max. Rated	10 g SA	R (W/kg)	, Limit=4.	.0W/kg
Position	(MHz)	(MHz)	Power (dBm)	Power (dBm)	Scaled Factor	Meas. SAR	Scaled SAR	Plot
		2409	/	/	/	/	/	/
Handheld Back (0mm)	8M	2442	21.94	22	1.014	0.198	0.20	16#
(011111)		2471	/	/	/	/	/	/
Handheld Back With		2409	/	/	/	/	/	/
antenna fold	8M	2442	21.94	22	1.014	< 0.01	0.01	/
(0mm)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
Handheld Front (0mm)	8M	2442	21.94	22	1.014	0.039	0.04	17#
(omm)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
Handheld Left (0mm)	8M	2442	21.94	22	1.014	0.021	0.02	18#
(omm)		2471	/	/	/	/	/	/
		2409	/	/	/	/	/	/
	8M	2442	21.94	22	1.014	0.723	0.73	19#
Handheld Top		2471	/	/	/	/	/	/
(0mm)	4M	2407	/	/	/	/	/	/
		2442	14.13	14.5	1.089	0.335	0.36	20#
		2474	/	/	/	/	/	/

Report No.: CR21100120-SA

Note:

- 1. When the SAR value is less than half of the limit, testing for other channels are optional.
- 2. When SAR or MPE is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance.
- 3. Pre-tested the bandwidth 4MHz and 8MHz, and found the bandwidth 8MHz was the worst bandwidth, so the bandwidth 8MHz was selected as primary mode, for the worst case (top side) of the primary mode other bandwidth 4 MHz, was selected to test.

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

Report No.: CR21100120-SA

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 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.

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

Body

SAR probe	Frequency	Eros (MIIs)	EUT Docition	Meas. SA	.R (W/kg)	Largest to Smallest
calibration point	Band	Freq.(MHz)	EUT Position	Original	Repeated	SAR Ratio
/	/	/	/	/	/	/

Handheld

SAR probe	Frequency	Freq.(MHz)	EUT Position	Meas. SA	R (W/kg)	Largest to Smallest
calibration point	Band	rieq.(Miriz)	EU1 Fosition	Original	Repeated	SAR Ratio
/	/	/	/	/	/	/

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..

SAR SIMULTANEOUS TRANSMISSION DESCRIPTION

Simultaneous Transmission:

Description of Simultaneous Transmit Capabilities				
Transmitter Combination	Simultaneous?	Hotspot?		
SRD 2.4G Chain 0 + SRD 2.4G Chain 1	V	Х		

Report No.: CR21100120-SA

Simultaneous and Hotspot SAR test exclusion considerations:

Mode(SAR1+SAR2)	Position	Reported S	ΣSAR <	
172040(37111111371112)	1 osteron	SAR1	SAR2	1.6W/kg
	Body Back	0.18	0.14	0.32
	Body Back with antenna fold	0.01	0.01	0.02
SRD 2.4G Chain 0 +	Body Front	0.05	0.05	0.10
SRD 2.4G Chain 1	Body Left	NA	0.02	NA
	Body Right	0.03	NA	NA
	Body Top	0.79	0.63	1.42

Conclusion:

Sum of SAR: Σ SAR \leq 1.6 W/kg therefore simultaneous transmission SAR with Volume Scans is **not** required.

Mode(SAR1+SAR2)	Position	Reported S	ΣSAR <	
112010(32111132111)		SAR1	SAR2	4.0W/kg
	Handheld Back	0.13	0.20	0.33
	Handheld Back with antenna fold	0.01	0.01	0.02
SRD 2.4G Chain 0 +	Handheld Front	0.04	0.04	0.08
SRD 2.4G Chain 1	Handheld Left	NA	0.02	NA
	Handheld Right	0.02	NA	NA
	Handheld Top	0.74	0.73	1.47

Conclusion:

Sum of SAR: Σ SAR \leq 4.0 W/kg therefore simultaneous transmission SAR with Volume Scans is **not** required.

Shenzhen Accurate Technology Co., Ltd.	Report No.: CR21100120-SA
SAR Plots	
Please Refer to the Attachment.	

APPENDIX A MEASUREMENT UNCERTAINTY

KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be \leq 30%, for a confidence interval of k = 2. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report

Report No.: CR21100120-SA

Version 801: 2021-11-09 Page 34 of 37 FCC SAR

Shenzhen Accurate Technology Co., Ltd.	Report No.: CR21100120-S
APPENDIX B EUT TEST POSITION PHOTO	OS
Please Refer to the Attachment.	

Shenzhen Accurate Technology Co., Ltd.	Report No.: CR21100120-SA			
APPENDIX C PROBE CALIBRATION CERTIFICATES Please Refer to the Attachment.				

Version 801: 2021-11-09 Page 36 of 37 FCC SAR

Shenzhen Accurate Technology Co., Ltd.	Report No.: CR21100120-S
APPENDIX D DIPOLE CALIBRATION CER	RTIFICATES
Please Refer to the Attachment.	
**** END OF REPO	PRT ****

Version 801: 2021-11-09 Page 37 of 37 FCC SAR