No.: GJWSZ2023-0297

# TEST REPORT

NAME OF SAMPLE	:	Holding a walkie-talkie
CLIENT	:	Xiaowei Communication Technology (Shenzhen) Co., Ltd.
CLASSIFICATION OF TEST	:	SAR
FCC ID	:	2BAS7-G1PRO
Max. SAR (10g):	:	Face up:0.597W/kg
		Body tuoch:1.366W/kg

CVC Testing Technology (Shenzhen) Co., Ltd.



Test Report No.: GJWSZ2023-0297

Page 2 of 39

		Name : Xiaowei	Communicat	ion Technolo	ogy (Shenzhen) Co.,			
		Ltd.						
Applicant		Address : Room 1312, Building 1, Wanjunhui Business Apartment, Xixiang, Baoan, Shenzhen						
					ogy (Shenzhen) Co.,			
Manufacturer		Ltd.						
		Address : Room	n 1312, Buildii Iment, Xixiang	• •				
		Name : Holding						
		Model/Type: G1	PRO					
		Woden Type. OT	T NO					
Equipment Under Test Trade mark : GOWEI								
		SerialNO.: G2P	RO					
		Sampe NO.: N/A			2023.10.23			
Date of Receipt.	2	2023.10.16	Date of Testing		2023.10.23			
Test Spec	cificatior	1		Test Res	sult			
ANSI/IEEE	Std. C9	5.1;	Deer					
FCC 47 CFR	Part 2 (2	1093);	Pass					
IEEE 15	528: 2013							
			The equipment under test was found to comply with the requirements of the standards applied.					
Evaluation of Test Resu	lt	requirements of t		applied.				
				Seal	of CVC			
				Issue Date	e: 2023.10.30			
Tested by:		Teste	d by:	А	approved by:			
Liong Jia tay		Huang	Meng Dong Sanbi		ong Sanbi			
Liang Jiatong		Huang Meng		Dong Sanbi				
Name Signatu	re	Name	Signature	Name	Signature			
Other Aspects: NONE.								
Abbreviations: Pass= passed	Fail = f	ailed N/A= not a	pplicable E	EUT= equipment, sar	nple(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



Page 3 of 39

# TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 GENERAL INFORMATION	5
1.1 GENERAL PRODUCT INFORMATION         1.2 TEST ENVIRONMENT         1.3 TEST LOCATION         1.4 TEST STANDARDS AND LIMITS	6 6
2 SAR MEASUREMENT SYSTEM	
<ul> <li>2.1 DEFINITION OF SPECIFIC ABSORPTION RATE (SAR)</li> <li>2.2 SAR SYSTEM</li> <li>2.2.1 Probe</li> <li>2.2.2 Phantom</li> <li>2.2.3 Device Holder</li> </ul>	
3 TISSUE SIMULATING LIQUIDS	13
3.1 Simulating Liquids Parameter Check	13
4 SAR SYSTEM VALIDATION	15
4.1 Validation System	
5 SAR EVALUATION PROCEDURES	16
6 EUT ANTENNA LOCATION SKETCH	17
7 EUT TEST POSITION	18
7.1 BODY-WORN POSITION CONDITIONS	
8 MEASUREMENT UNCERTAINTY	19
9 CONDUCTED POWER MEASUREMENT	21
9.1 Test Result	21
10 TEST PHOTOS AND RESULTS	22
10.1 EUT Рното 10.2 Setup Photo	
11 SAR RESULT SUMMARY	27
11.1 SAR MEASUREMENT	
12 EQUIPMENT LIST	30
APPENDIX A. SYSTEM VALIDATION PLOTS	
APPENDIX B. SAR TEST PLOTS	
APPENDIX C. PROBE CALIBRATION AND DIPOLE CALIBRATION REPORT	38



Page 4 of 39

# **RELEASE CONTROL RECORD**

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED	
GJWSZ2023-0297	Original release	2023.10.30	

Test Report No.: GJWSZ2023-0297

Page 5 of 39

# **1 GENERAL INFORMATION**

## 1.1 GENERAL PRODUCT INFORMATION

PRODUCT Holding a walkie-talkie							
BRAND	GOWEI						
MODEL	G1PRO						
ADDITIONAL MODEL	G2PRO						
MODULATION MODE	FM						
OPERATING FREQUENCY	467.5625-4	462.5625-462.7125MHz 467.5625-467.7125MHz 462.5500-462.7250MHz					
Battery	Rated Volta	ge: 3.7V					
ANTENNA TYPE (Remark 4)	Spring Ante	nna					
	Equipment	Ens mus n su Dan d	Face Up (With 25mm	Back Touch			
Max. Reported	Class	Frequency Band	separation) (W/ kg)	(W/ kg)			
SAR(1g):	FRF	462.5625-462.7125MHz	0.597	1.366			
(Limit:1.6W/kg)	FRF	467.5625-467.7125MHz	0.475	1.023			
	FRF	462.5500-462.7250MHz	0.585	1.232			
FCC Equipment Class	Part 95 Fan	nily Radio Face Held Trans	mitter (FRF)				
FCC Equipment Class       Part 95 Family Radio Face Held Transmitter (FRF)         Remark:       1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.         2. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.         3. The EUT battery must be fully charged and checked periodically during the test to ascertain uniform power         4. This is provided by the manufacturer. The laboratory is not responsible for technical data provided by the customer							

## 1.2 **TEST Environment**

Ambient conditions in the SAR laboratory:

Items	Required
Temperature (℃)	18-25
Humidity (%RH)	30-70

## 1.3 TEST Location

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology (Shenzhen) Co., Ltd.

Address: No. No. 1301, Guanguang Road, Xinlan Community, Guanlan Street, LonghuaDistrict, Shenzhen City, Guangdong Province, People's Republic of ChinaPost Code: 518110Tel: 0755-23763060-8805FAX: 0755-23763060E-mail: sz-kf@cvc.org.cn

Test Report No.: GJWSZ2023-0297

Page 7 of 39

### 1.4 TEST Standards and Limits

No.	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	ANSI/IEEE Std. C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz
3	IEEE Std. 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
4	FCC KDB 447498 D01 v06	Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
5	FCC KDB 865664 D01 v01r04	SAR Measurement 100 MHz to 6 GHz
6	FCC KDB 865664 D02 v01r02	RF Exposure Reporting
7	FCC KDB 643646 D01 v01r033	SAR Test Reduction Considerations for Occupational PTT Radios

(A). Limits for Occupational/Controlled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.4	8.0	20.0

(B). Limits for General Population/Uncontrolled Exposure (W/kg)

Whole-Body	Partial-Body	Hands, Wrists, Feet and Ankles
0.08	1.6	4.0

NOTE: Whole-Body SAR is averaged over the entire body, partial-body SAR is averaged over any 1 gram of tissue defined as a tissue volume in the shape of a cube. SAR for hands, wrists, feet and ankles is averaged over any 10 grams of tissue defined as a tissue volume in the shape of a cube. **Population/Uncontrolled Environments:** 

Are defined as locations where there is the exposure of individuals 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).

# NOTE GENERAL POPULATION/UNCONTROLLED EXPOSURE PARTIAL BODY LIMIT

1.6 W/kg

Test Report No.: GJWSZ2023-0297

Page 8 of 39

## 2 SAR Measurement System

### 2.1 Definition of Specific Absorption Rate (SAR)

SAR is related to the rate at which energy is absorbed per unit mass in an object exposed to a radio field. The SAR distribution in a biological body is complicated and is usually carried out by experimental techniques or numerical modeling. The standard recommends limits for two tiers of groups, occupational/controlled and general population/uncontrolled, based on a person's awareness and ability to exercise control over his or her exposure. In general, occupational/controlled exposure limits are higher than the limits for general population/uncontrolled.

The SAR definition is the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density ( $\rho$ ). The equation description is as below:

$$SAR = \frac{d}{dt} \left( \frac{dW}{dm} \right) = \frac{d}{dt} \left( \frac{dW}{\rho dy} \right)$$

SAR is expressed in units of Watts per kilogram (W/kg) SAR measurement can be related to the electrical field in the tissue by

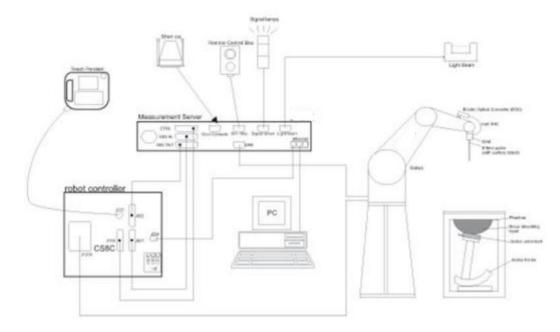
$$SAR = \frac{\sigma E^2}{\rho}$$

Where:  $\sigma$  is the conductivity of the tissue;

ρ is the mass density of the tissue and E is the RMS electrical field strength.

### 2.2 SAR System

DASY System Diagram:



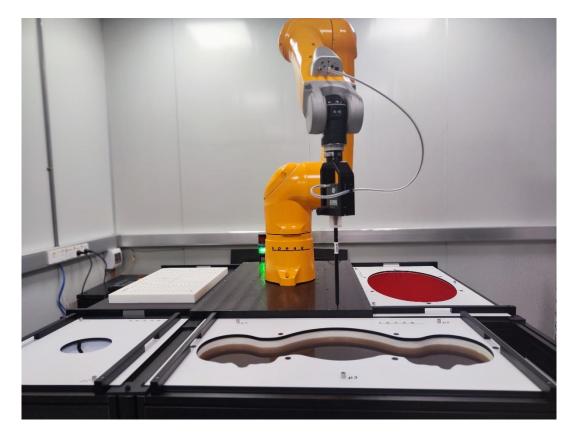
DASY is a system that is able to determine the SAR distribution inside a phantom of human being according to different standards. The DASY system consists of the following items: - Main computer to control all the system

Test Report No.: GJWSZ2023-0297

Page 9 of 39

- 6 axis robot
- Data acquisition Electronics
- Miniature E-field probe
- Phone holder
- Head simulating tissue

The following figure shows the system.



The EUT under test operating at the maximum power level is placed in the phone holder, under the phantom, which is filled with head simulating liquid. The E-Field probe measures the electric field inside the phantom. The Open SAR software computes the results to give a SAR value in a 1g or 10g mass.

### 2.2.1 Probe

For the measurements the Specific Dosimetric E-Field Probe SN 7388 EX3DV4 with following specifications is used

- Frequency range: 4 MHz – 10 GHz

- -Dynamic range: 0.01 W/kg >100 W/kg
- -Tip diameter: 2.5 mm
- -Scanning distance: ≥1.4 mm

Test Report No.: GJWSZ2023-0297

Page 10 of 39



Figure 1-Speag COMOSAR Dosimetric E field Dipole

Test Report No.: GJWSZ2023-0297

Page 11 of 39

### 2.2.2 Phantom

For the measurements the Specific Anthropomorphic Mannequin (SAM) defined by the IEEE 62209-1528 is used. The phantom is a Vinyl ester, fiberglass reinforced shell integrated in a wooden table. The thickness of the phantom amounts to 2mm +/- 0.2mm. It enables the dosimetric evaluation of left and right phone usage and includes an additional flat phantom part for the simplified performance check. The phantom set-up includes a cover, which prevents the evaporation of the liquid.



Figure-SN 32/14 SAM115

Test Report No.: GJWSZ2023-0297

Page 12 of 39

### 2.2.3 Device Holder



The SAR in the phantom is approximately inversely proportional to the square of the distance between the source and the liquid surface. For a source at 5 mm distance, a positioning uncertainty of  $\pm$  0.5 mm would produce a SAR uncertainty of  $\pm$  20 %. Accurate device positioning is therefore crucial for accurate and repeatable measurements. The positions in which the devices must be measured are defined by the standards.



Page 13 of 39

# 3 Tissue Simulating Liquids

### 3.1 Simulating Liquids Parameter Check

The head tissue dielectric parameters recommended by the IEEE SCC-34/SC-2 in P1528 have been incorporated in the following table. These head parameters are derived from planar layer models simulating the highest expected SAR for the dielectric properties and tissue thickness variations in a human head. Other head and body tissue parameters that have not been specified in P1528 are derived from the tissue dielectric parameters computed from the 4-Cole-Cole equations described in Reference [12] and extrapolated according to the head parameters specified in P1528.

Head Tissue		
Frequency	Conductivity	Permittivity
(MHz)	σ	٤٢
450	0.87	43.5
750	0.89	41.9
835	0.90	41.5
900	0.97	41.5
1800	1.4	40.0
1900	1.4	40.0
2000	1.4	40.0
2450	1.80	39.2
2600	1.96	39.0

Test Report No.: GJWSZ2023-0297

Page 14 of 39

### LIQUID MEASUREMENT RESULTS

Data	Amb	pient	Simulatin	g Liquid	Deremetere	Townst	Maggurad	Deviation	Limited
Date	Temp. [°C]	Humidity %	Frequency	Temp. [°C]	Parameters	Target	Measured	%	%
2022 40 22	20.7	50		MHz 22.4	Permittivity	43.50	44.40	2.07	±5
2023-10-23	22.7	52	450 MHZ		Conductivity	0.87	0.87	0.00	±5
2022 40 22	22.6	E 4		00.0	Permittivity	43.44	44.30	1.98	±5
2023-10-23	22.6	54	462 MHz	22.3	Conductivity	0.87	0.87	0.00	±5
2022 10 22	22.7	50		Hz 22.3	Permittivity	43.44	44.30	1.98	±5
2023-10-23	22.7	53	467 MHz		Conductivity	0.87	0.87	0.00	±5



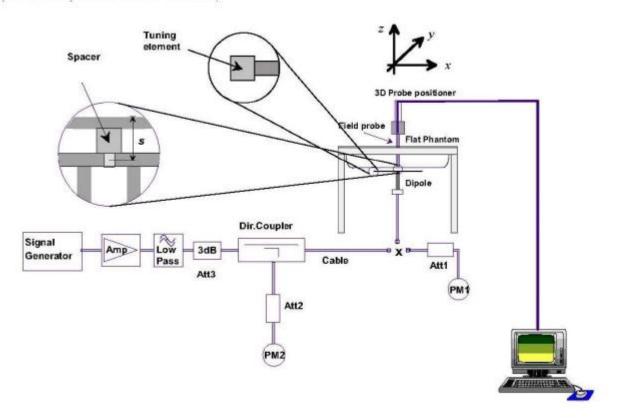
Page 15 of 39

# 4 SAR System Validation

### 4.1 Validation System

Each DASY system is equipped with one or more system validation kits. These units, together with the predefined measurement procedures within the DASY software, enable the user to conduct the system performance check and system validation. System kit includes a dipole, and dipole device holder.

The system check verifies that the system operates within its specifications. It's performed daily or before every SAR measurement. The system check uses normal SAR measurement in the flat section of the phantom with a matched dipole at a specified distance. The system validation setup is shown as below.



### 4.2 Validation Result

Comparing to the original SAR value provided by =Speag, the validation data should be within its specification of  $\pm 10$  %.

Date	Freq.	Power	Tested Value	Normalized SAR	Target SAR	Tolerance	Limit
	(MHz)	(mW)	(W/Kg)	(W/kg)	1g(W/kg)	(%)	(%)
2023-10-23	450	100	0.44	4.44	4.53	-1.99	10

#### Note:

- 1. The tolerance limit of System validation ±10%.
- 2. The dipole input power (forward power) was 100 mW.
- 3. The results are normalized to 1 W input power.



# **5** SAR Evaluation Procedures

The procedure for assessing the average SAR value consists of the following steps:

-Establish a call with the maximum output power with a base station simulator. The connection between the mobile and the base station simulator is established via air interface.

-Measurement of the local E-field value at a fixed location. This value serves as a reference value for calculating a possible power drift.

-Measurement of the SAR distribution with a grid of 8 to 16mm \* 8 to 16 mm and a constant distance to the inner surface of the phantom. Since the sensors cannot directly measure at the inner phantom surface, the values between the sensors and the inner phantom surface are extrapolated. With these values the area of the maximum SAR is calculated by an interpolation scheme.

-Around this point, a cube of 30 \* 30 \* 30 mm or 32 \* 32 \* 32 mm is assessed by measuring 5 or 8 \* 5 or 8\*4 or 5 mm. With these data, the peak spatial-average SAR value can be calculated.

Area Scan & Zoom Scan:

First Area Scan is used to locate the approximate location(s) of the local peak SAR value(s). The measurement grid within an Area Scan is defined by the grid extent, grid step size and grid offset. Next, in order to determine the EM field distribution in a three-dimensional spatial extension, Zoom Scan is required. The Zoom Scan is performed around the highest E-field value to determine the averaged SAR-distribution over 10 g. Area scan and zoom scan resolution setting follows KDB 865664 D01 quoted below.

When the 1-g SAR of the highest peak is within 2 dB of the SAR limit, additional zoom scans are required for other peaks within 2 dB of the highest peak that have not been included in any zoom scan to ensure there is no increase in SAR.



Page 17 of 39

#### EUT Antenna Location Sketch 6



**Bottom side** (Front view)

Test Report No.: GJWSZ2023-0297

Page 18 of 39

# 7 EUT Test Position

This EUT was tested in Front Face and Rear Face.

### 7.1 Body-worn Position Conditions

Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. When the same wireless transmission configuration is used for testing body-worn accessory and hotspot mode SAR, respectively, in voice and data mode, SAR results for the most conservative *test separation distance* configuration may be used to support both SAR conditions. When the *reported* SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest *reported* SAR configuration for that wireless mode and frequency band should be repeated for the body-worn accessory with a headset attached to the handset.





Page 19 of 39

# 8 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

	Uncertainty Component	Tol (+- %)	Prob. Dist.	Div.	Ci (1g)	Ci (10g)	1g Ui (+-%)	10g Ui (+-%)	vi
Mea	asurement System				_	_			
1	Probe Calibration	5.8	N	1	1	1	5.8	5.8	×
2	Axial isotropy	3.5	R	$\sqrt{3}$	0.7	0.7	1.41	1.41	ø
3	Hemispherical Isotropy	5.9	R	$\sqrt{3}$	0.7	0.7	2.38	2.38	×
4	Boundary Effect	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	×
5	Probe Linearity	4.7	R	$\sqrt{3}$	1	1	2.71	2.71	∞
6	System Detection Limits	1.0	R	$\sqrt{3}$	1	1	0.58	0.58	×
7	Modulation response	0.0	R	1	1	1	0.00	0.00	
8	Readout Electronics	0.5	N	1	1	1	0.50	0.50	×
9	Response Time	0.0	R	$\sqrt{3}$	1	1	0.00	0.00	×
10	Integration Time	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	×
11	RF ambient Conditions - Noise	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	×
12	RF ambient Conditions - Reflections	3.0	R	$\sqrt{3}$	1	1	1.73	1.73	×
13	Probe Position Mechanical tolerance	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	×
14	Probe Position with respect to Phantom Shell	1.4	R	$\sqrt{3}$	1	1	0.81	0.81	×
15	Extrapolation, Interpolation and Integration Algorithms for Max. SAR evaluation	2.3	R	$\sqrt{3}$	1	1	1.33	1.33	ω

Test Report No.: GJWSZ2023-0297

Page 20 of 39

				Dipole					
16	Deviation of experimental dipole	4	Ν	1	1	1	4.00	4.00	N-1
17	Dipole axis to liquid distance	2.0	R	$\sqrt{3}$	1	1	1.15	1.15	ø
18	Input Power and SAR drit measurement	5.0	R	$\sqrt{3}$	1	1	2.89	2.89	×
	Phantom and Tissue Parameters								
20	Phantom Uncertainty (Shape and thickness tolerances)	4.0	R	$\sqrt{3}$	1	1	2.31	2.31	×
21	SAR correction for deviation(in permittivity and conductivity )	2.0	Ν	1	1	0.84	2.00	1.68	ø
22	Liquid conductivity ( temperature uncertainty)	2.5	R	1	0.78	0.71	1.95	1.78	ø
23	Liquid conductivity - measurement uncertainty	4.0	Ν	1	0.23	0.26	0.92	1.04	М
24	Liquid permittivity ( temperature uncertainty)	2.5	R	1	0.78	0.71	1.95	1.78	×
25	Liquid permittivity - measurement uncertainty	5.0	Ν	1	0.23	0.26	1.15	1.30	М
Con	nbined Standard Uncertainty	-	RSS	-			10.20	10.11	-
(0	<b>Expanded uncertainty</b> Confidence interval of 95 %)	-	K=2		-		20.40	20.22	-

Test Report No.: GJWSZ2023-0297

Page 21 of 39

# 9 Conducted Power Measurement

## 9.1 Test Result

Channel	Frequency (MHz)	ERP (dBm)	ERP (W)				
	462.5625-462.7125MH	Ηz					
1	462.5625	32.21	1.66				
4	462.6375	32.45	1.76				
7	462.7125	32.27	1.69				
467.5625-467.7125MHz							
8	467.5625	26.13	0.41				
11	467.6375	26.40	0.44				
14	467.7125	26.00	0.40				
	462.5500-462.7250MH	Ηz					
15	462.55	32.26	1.68				
19	462.65	32.35	1.72				
22	22 462.725						



Page 22 of 39

# **10 Test Photos and Results**

## 10.1 EUT Photo





Back side



Page 23 of 39



Right Edge



Test Report No.: GJWSZ2023-0297

Page 24 of 39

Top Edge



Bottom Edge



Test Report No.: GJWSZ2023-0297

Page 25 of 39

## 10.2 Setup Photo

Face up(separation distance is 25mm)

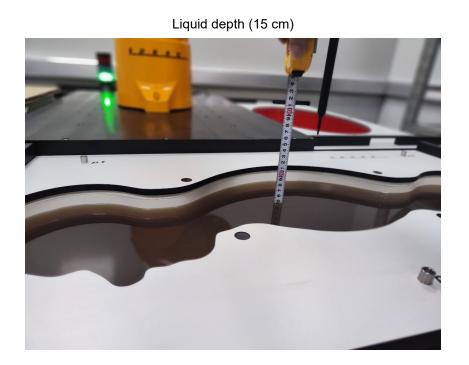


Body Back Touch with all accessories (separation distance is 0mm)





Page 26 of 39



Test Report No.: GJWSZ2023-0297

Page 27 of 39

# 11 SAR Result Summary

### 11.1 SAR measurement

-						1		1	
Band	Test Position	Freq.	SAR with 100% Duty cyle(1g) (W/kg)	SAR with 100% Duty cyle(1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
	Face Up	462.6375	1.180	0.590	-0.04	32.50	32.45	0.597	1
462.5625-	Back Touch+Belt Clip+Headset	462.5625	2.29	1.145	0.13	32.50	32.21	1.224	1
462.7125 MHz	Back Touch+Belt Clip+Headset	462.6375	2.70	1.350	-0.00	32.50	32.45	1.366	2
	Back Touch+Belt Clip+Headset	462.7125	2.42	1.210	-0.59	32.50	32.27	1.276	/
	Face Up	467.6375	0.927	0.464	-0.01	26.50	26.40	0.475	3
467.5625-	Back Touch+Belt Clip+Headset	467.5625	1.837	0.919	0.37	26.50	26.13	1.001	1
467.5625- 467.7125 MHz	Back Touch+Belt Clip+Headset	467.6375	2.00	1.000	-0.03	26.50	26.40	1.023	4
	Back Touch+Belt Clip+Headset	467.7125	1.764	0.882	0.95	26.50	26.00	0.990	1
	Face Up	462.6500	1.13	0.565	-0.14	32.50	32.35	0.585	5
462.5500-	Back Touch+Belt Clip+Headset	462.5500	1.987	0.994	0.27	32.50	32.26	1.050	1
462.7250 MHz	Back Touch+Belt Clip+Headset	462.6500	2.38	1.190	-1.64	32.50	32.35	1.232	6
	Back Touch+Belt Clip+Headset	462.7250	1.906	0.953	0.19	32.50	32.22	1.016	1

### Note:

- 1. During the test, EUT with 100% duty cycle.
- 2. Per KDB 447498 D01, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
  - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
  - b. For WWAN: Scaled SAR(W/kg)= Measured SAR(W/kg)\*Tune-up Scaling Factor

Test Report No.: GJWSZ2023-0297

Page 28 of 39

### Repeated SAR

Band	Test Position	Freq.	SAR with 100% Duty cyle(1g)	SAR with 100% Duty cyle(1g)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
			(W/kg)	(W/kg)				(11/13)	
	Back Touch+Belt Clip+Headset	462.5625	2.04	1.020	0.87	32.50	32.21	1.090	/
462.5625-	Back Touch+Belt Clip+Headset	462.6375	2.67	1.335	-0.76	32.50	32.45	1.350	1
462.7125 MHz	Back Touch+Belt Clip+Headset	462.6375	2.59	1.295	0.47	32.50	32.45	1.310	1
	Back Touch+Belt Clip+Headset	462.7125	2.38	1.190	0.92	32.50	32.27	1.255	1
	Back Touch+Belt Clip+Headset	467.5625	1.827	0.914	-0.79	26.50	26.13	0.995	1
467.5625- 467.7125 MHz	Back Touch+Belt Clip+Headset	467.6375	1.943	0.972	0.96	26.50	26.40	0.995	1
	Back Touch+Belt Clip+Headset	467.7125	1.754	0.877	-0.08	26.50	26.00	0.984	1
	Back Touch+Belt Clip+Headset	462.5500	1.938	0.969	0.16	32.50	32.26	1.024	/
462.5500- 462.7250 MHz	Back Touch+Belt Clip+Headset	462.6500	2.19	1.095	0.81	32.50	32.35	1.133	1
	Back Touch+Belt Clip+Headset	462.7250	1.852	0.926	0.82	32.50	32.22	0.988	1

Test Report No.: GJWSZ2023-0297

Page 29 of 39

### 11.2 Repeated SAR measurement

Band	Test Position	Freq.	Original Measured SAR 1g(W/kg)	1 st Repeated SAR 1g	Ratio	Original Measured SAR 1g(W/kg)	2nd Repeated SAR 1g	Ratio
	Back Touch+Belt Clip+Headset	462.5625	2.29	2.04	1.123	-	-	-
462.5625- 462.7125 MHz	Back Touch+Belt Clip+Headset	462.6375	2.70	2.67	1.011	2.67	2.59	1.031
	Back Touch+Belt Clip+Headset	462.7125	2.42	2.38	1.017	-	-	-
	Back Touch+Belt Clip+Headset	467.5625	1.837	1.827	1.005	-	-	-
467.5625- 467.7125 MHz	Back Touch+Belt Clip+Headset	467.6375	2.00	1.943	1.029	-	-	-
	Back Touch+Belt Clip+Headset	467.7125	1.764	1.754	1.006	-	-	-
	Back Touch+Belt Clip+Headset	462.5500	1.987	1.938	1.025	-	-	-
462.5500- 462.7250 MHz	Back Touch+Belt Clip+Headset	462.6500	2.38	2.19	1.087	-	-	-
	Back Touch+Belt Clip+Headset	462.7250	1.906	1.852	1.029	-	-	-

Note:

- 1. Per KDB 865664 D01,for each frequency band ,repeated SAR measurement is required only when the measured SAR is≥0.8W/Kg.
- 2. Per KDB 865664 D01,if the ratio of largest to smallest SAR for the original and first repeated measurement is ≤ 1.2 and the measured SAR < 1.45W/Kg, only one repeated measurement is required.
- 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 ≥ 1.45W/Kg
- 4. The ratio is the difference in percentage between original and repeated measured SAR.

Test Report No.: GJWSZ2023-0297

Page 30 of 39

# **12 Equipment List**

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Cal. interval
System Validation Dipole	SPEAG	D450V3	1118	May. 27, 2022	3 years
Dosimetric E-Field Probe	SPEAG	EX3DV4	7506	Jun. 29, 2023	1 year
Data Acquisition Electronics	SPEAG	DAE4	1157	Jul. 06, 2023	1 year
Wideband Radio Communication Tester	R&S	CMW500	168558	May. 26, 2023	1 year
Signal Analyzer	R&S	FSV	104408	May. 22, 2023	1 year
Vector Network Analyzer	R&S	ZNB 40	101544	May. 26, 2023	1 year
Dielectric assessment Kit	SPEAG	DAK-3.5	1327	Oct. 22, 2023	1 year
Signal Generator	R&S	SMB 100B	101843	Sep. 21, 2023	1 year
EPM Series Power Meter	R&S	N1914A	MY58240005	Nov. 21, 2022	2 years
Power Sensor	R&S	NRP18S-10	101843	Sep. 25, 2023	1 year
Power Sensor	R&S	NRP18S-10	101845	Sep. 25, 2023	1 year
DC Power Supply	Topward	3303D	810984	Sep. 24, 2023	1 year
Cavity Coupler	/	/	LS0300103	Jan. 17, 2023	1 year
Directional Couper	/	SHX-DC04/12-2 0N	2206171042	Jan. 17, 2023	1 year
Coaxial attenuator	R&S	8491A	1424.6721k02-101 845-HX	Sep. 25, 2023	1 year
Coaxial attenuator	R&S	8491A	1424.6721K02-101 843-aM	Sep. 25, 2023	1 year
Digital Thermometer	LKM	DTM3000	3946	Jan. 15, 2023	1 year
Power Amplifier Mini circuit	mini-circuits	ZVA-183W-S+	726202215	Jan. 17, 2023	1 year
PHANTOM	SPEAG	ELI V8.0	2171	N/A	N/A
PHANTOM	SPEAG	SAM-Twin V8.0	2097	N/A	N/A



# **Appendix A. System Validation Plots**

## System Performance Check Data (450MHz)

#### System Performance Check Report

#### Summary

Dipole	Frequency [MHz]	TSL	Power [dBm]	Dev. 1g [%]	Dev. 10g [%]	Dev. Peak [%]	Iso. Error [%]
D450V3 -	450.0	HSL	24.0	-2.3	-3.1	9.5	3.7
SN1118							

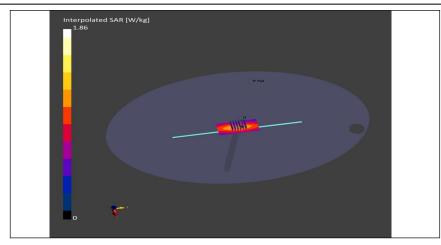
#### **Exposure Conditions**

Phantom Section, TSL	Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5- 10000MHz	15		, 0	450.0, 0	11.25	0.871	44.4

#### Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2171	HBBL 5-10000MHz _ 2023-Oct-23	EX3DV4 - SN7506, 2023-06-29	DAE4 Sn1557, 2023-07-06

ican Setup			Measurement Results				
	Area Scan	Zoom Scan		Area Scan	Zoom Scan		
Grid Extents [mm]	40.0 x 90.0	30.0 x 30.0 x 30.0	Date	2023-10-23	2023-10-23		
Grid Steps [mm]	10.0 x 15.0	6.0 x 6.0 x 1.5	psSAR1g [W/Kg]	1.11	1.11		
Sensor Surface [mm]	3.0	1.4	psSAR10g [W/Kg]	0.775	0.740		
Graded Grid	Yes	Yes	Power Drift [dB]	0.01	0.01		
Grading Ratio	1.5	1.5	Power Scaling	Disabled	Disabled		
MAIA	N/A	N/A	Scaling Factor [dB]				
Surface Detection	VMS + 6p	VMS + 6p	TSL Correction	No correction	No correction		
Scan Method	Measured	Measured					



### Maximum location: X=2.00, Y=1.00

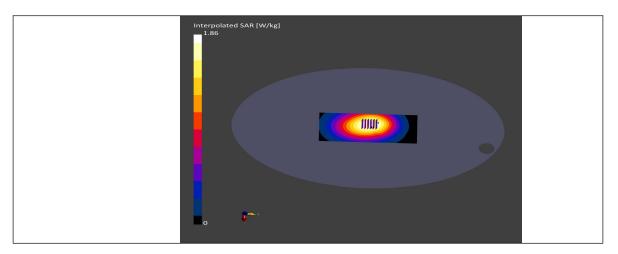
SAR 10g (W/Kg)	0.740
SAR 1g (W/Kg)	1.11



Page 32 of 39

# **Appendix B. SAR Test Plots** Plot 1: DUT: Holding a walkie-talkie; EUT Model: G1PRO

Image: del, Manufacturer     Dimensions [mm]     IMEl     DUT Type       evice,     180.0 x 60.0 x 30.0     Holding a walkie-talkie	
antom Section, Position, Test Band Group, Frequency [MHz], Conversion Factor TSL Conductivity Distance [mm] UID Channel Number [S/m]	TSL Permittivity
t, FRONT, D450 CW, 462.6375, 11.25 0.871 BL 5- 25.00 0 62	44.3
Stantom         TSL, Measured Date         Probe, Calibration Date         DAE, Calibration           V8.0 (20deg probe tilt) - 2171         HBBL 5-10000 <u>MHz</u> , 2023-Oct-23         EX3DV4 - SN7506, 2023-06-29         DAE4 Sn1557, 20	
an Setup Measurement Results	
Area Scan Zoom Scan Area Scan	Zoom Scan
rid Extents [mm] 90.0 x 210.0 30.0 x 30.0 x 30.0 Date 2023-10-23	2023-10-23
rid Steps [mm] 15.0 x 15.0 6.0 x 6.0 x 1.5 psSAR1g [W/kg] 1.22	1.18
ensor Surface [mm] 3.0 1.4 psSAR10g [W/kg] 0.884	0.870
	-0.04
raded Grid Yes Yes Power Drift [dB] -0.19	
rading Ratio 1.5 1.5 Power Scaling Disabled	Disabled
rading Ratio 1.5 1.5 Power Scaling Disabled IAIA N/A N/A Scaling Factor [dB]	
rading Ratio 1.5 1.5 Power Scaling Disabled	Disabled No correction 85.2



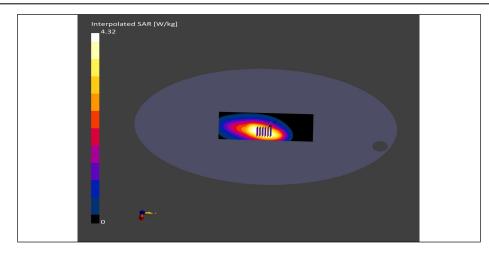
SAR 10g (W/Kg)	0.870
SAR 1g (W/Kg)	1.180



Page 33 of 39

# Plot 2: DUT: Holding a walkie-talkie; EUT Model: G1PRO

2~ N : N : 2 M :	talkie
aantom Section, Position, Test Band Group, Frequency [MHz], Conversion Factor TSL	
IL Distance [mm] UID Channel Number [S/n	Conductivity TSL Permittivity n]
at, BACK, D450 CW, 462.6375, 11.25 0.87 3BL 5- 0 0 62	44.3
	DAE, Calibration Date
I V8.0 (20deg probe tilt) - 2171 HBBL 5-10000 <u>MHz</u> 2023-Oct-23 EX3DV4 - SN7506, 2023-06-29	DAE4 Sn1557, 2023-07-06
can Setup Measurement Results	
Area Scan Zoom Scan Area Sca	
Grid Extents [mm]         90.0 x 210.0         30.0 x 30.0 x 30.0         Date         2023-10-2	
Grid Steps [mm] 15.0 x 15.0 6.0 x 6.0 x 1.5 psSAR1g [W/kg] 2.8	
Sensor Surface [mm] 3.0 1.4 psSAR10g [W/kg] 2.0	
Graded Grid Yes Yes Power Drift [dB] -0.0	
Grading Ratio         1.5         1.5         Power Scaling         Disable           MAIA         N/A         N/A         Scaling Factor [dB]         Disable	d Disabled
	New
Surface Detection VMS + 6p VMS + 6p TSL Correction No correction	83.8



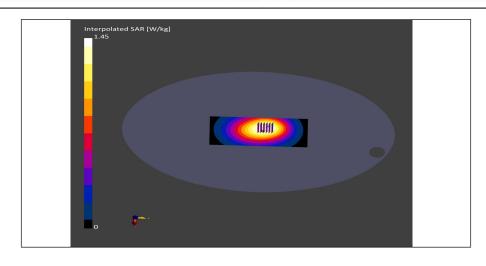
SAR 10g (W/Kg)	1.88
SAR 1g (W/Kg)	2.70



Page 34 of 39

# Plot 3: DUT: Holding a walkie-talkie; EUT Model: G1PRO

Model, Manufactu	rer	Dimensions (mn	n] IM	El	DU	Туре		
Device,		180.0 x 60.0 x 3	0.0		Holding a v		valkie-talkie	
xposure Condit						an in an an in in in in in in in an an an an an an an an		*****
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion	100.000000 (I - 200)	L Conductivity 'm]	TSL Permittivity
Flat, HBBL 5- 10000MHz	FRONT, 25.00	D450	CW, 0	467.6375, 67	11.25	0.8	371	44.3
lardware Setup		TSI Measured	Date	Probe Calibration	Date		DAF Calibratio	n Date
Phantom		TSL, Measured HBBL 5-10000M	Date Hz_, 2023-Oct-23	Probe, Calibration EX3DV4 - SN7506,			DAE, Calibratio DAE4 Sn1557, 2	
Phantom ELI V8.0 (20deg pro				EX3DV4 - SN7506,	2023-06-29			
Phantom ELI V8.0 (20deg pro		HBBL 5-10000M	Hz_, 2023-Oct-23	EX3DV4 - SN7506, Measurement	2023-06-29		DAE4 Sn1557, 2	2023-07-06
Phantom ELI V8.0 (20deg pro Scan Setup	bbe tilt) <u>- 2171</u>	HBBL 5-10000M	Hz_, 2023-Oct-23 Zoom Scar	EX3DV4 - SN7506, Measurement	2023-06-29	Area Sc 2023-10	DAE4 Sn1557, 2	2023-07-06 Zoom Scan
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0	Hz _, 2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0	EX3DV4 - SN7506, Measurement	2023-06-29	2023-10-	DAE4 Sn1557, 3	2023-07-06 Zoom Scan 2023-10-23
Phantom EU V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm]	)be tiit) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0	Hz_, 2023-Oct-23 Zoom Scar	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg]	2023-06-29	2023-10- 0.9	DAE4 Sn1557, 3	2023-07-06 Zoom Scan 2023-10-23 0.927
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents (mm	)be tiit) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0	Hz _ 2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg]	2023-06-29	2023-10- 0.9 0.6	DAE4 Sn1557, 3	2023-07-06 Zoom Scan 2023-10-23 0.927 0.676
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m	)be tiit) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0	Hz_2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.1 1.4	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg] Power Drift [dB]	2023-06-29	2023-10- 0.9 0.6	DAE4 Sn1557, 2 23 258 295 12	2023-07-06
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Sensor Surface [m Graded Grid	)be tiit) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes	Hz2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.1 1.4 Ye:	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] pSSAR10g [W/kg] Power Drift [dB] Power Scaling	2023-06-29 Results	2023-10- 0.9 0.6 -0.	DAE4 Sn1557, 2 23 258 295 12	2023-07-06 Zoom Scan 2023-10-23 0.927 0.676 -0.01
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio	bbe tilt) <u>- 2171</u>	Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5	Hz_, 2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5 1.4 Yet 1.5	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg] Power Drift [dB] Power Scaling Scaling Factor [dl	2023-06-29 Results	2023-10- 0.9 0.6 -0.	DAE4 Sn1557, 2 an -23 -23 -58 -95 -12 	2023-07-06 Zoom Scan 2023-10-23 0.927 0.676 -0.01
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A	Hz_2023-Oct-23 Zoom Scar 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5 1.4 Yes 1.5 N/A	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg] Power Drift [dB] Power Scaling Scaling Factor [d] TSL Correction	2023-06-29 Results	2023-10- 0.9 0.6 -0. Disabl	DAE4 Sn1557, 2 an -23 -23 -58 -95 -12 	2023-07-06 Zoom Scan 2023-10-23 0.927 0.576 -0.01 Disabled



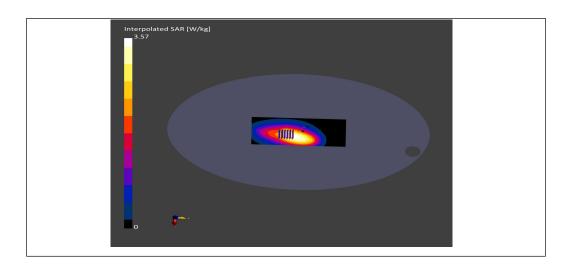
SAR 10g (W/Kg)	0.676
SAR 1g (W/Kg)	0.927



Page 35 of 39

## Plot 4: DUT: Holding a walkie-talkie; EUT Model: G1PRO

Model, Manufactu	rer	<b>Dimensions</b> [mr	n] IMI	3		DUT Type		
Device,		180.0 x 60.0 x 3	0.0			Holding a w	alkie-talkie	
posure Condit	ions							
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conver	rsion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5- 10000MHz	BACK, O	D450	CW, 0	467.5625, 67	11.25		0.871	44.3
Phantom ELI V8.0 (20deg pro	be tilt) <u>- 2171</u>	TSL, Measured HBBL 5-10000M	Date Hz_, 2023-Oct-23	Probe, Calibratio EX3DV4 - SN7506		5-29	DAE, Calibratic	
ELI V8.0 (20deg pro				EX3DV4 - SN7506	5, 2023-06			
		HBBL 5-10000 <u>IV</u>		EX3DV4 - SN7506	5, 2023-06	ts	DAE4 Sn1557, 2	2023-07-06
ELI V8.0 (20deg pro Scan Setup	be tilt) <u>- 2171</u>		Hz_, 2023-Oct-23	EX3DV4 - SN7506	5, 2023-06	ts Ar		2023-07-06 Zoom Scan
ELI V8.0 (20deg pro	be tilt) <u>- 2171</u>	HBBL 5-10000M	Hz _ 2023-Oct-23 Zoom Scan	EX3DV4 - SN7506	5, 2023-06 t Result	ts Ar	DAE4 Sn1557, : ea Scan	2023-07-06
ELI V8.0 (20deg pro Scan Setup Grid Extents (mm	obe tilt) <u>- 2171</u>	HBBL 5-10000 <u>M</u> Area Scan 90.0 x 210.0	Hz _, 2023-Oct-23 Zoom Scan 30.0 x 30.0 x 30.0	EX3DV4 - SN7506	5, 2023-06 <b>t Resul</b> i ]	ts Ar	DAE4 Sn1557, : ea Scan 3-10-23	2023-07-06 Zoom Scan 2023-10-23
LI V8.0 (20deg pro Gran Setup Grid Extents [mm] Grid Steps [mm]	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 × 210.0 15.0 × 15.0	Hz _ 2023-Oct-23 Zoom Scan 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5	EX3DV4 - SN7506	5, 2023-06 <b>t Resul</b> i ] g]	ts Ar	DAE4 Sn1557, : ea Scan 3-10-23 2.07	2023-07-06 Zoom Scan 2023-10-23 2.00 1.37
LI V8.0 (20deg pro Gran Setup Grid Extents [mm] Grad Steps [mm] Graded Grid Grading Ratio	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 ¥es 1.5	Hz_2023-Oct-23 Zoom Scan 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5 1.4 Yes 1.5	EX3DV4 - SN7506 Measuremen Date psSAR1g [W/kg psSAR10g [W/k Power Drift [dB Power Scaling Power Scaling	5, 2023-06 t Result ] g] ]	ts Ar 202	DAE4 Sn1557, 3 24 Scan 2-10-23 2.07 1.47	2023-07-06 Zoom Scan 2023-10-23 2.00 1.37 -0.03
CLI V8.0 (20deg pro Gran Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid	obe tilt) <u>- 2171</u>	Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes	Hz_2023-Oct-23 Zoom Scan 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5 1.4 Yes	EX3DV4 - SN7506 Measuremen Date psSAR1g [W/kg psSAR10g [W/k Power Drift [dB Power Scaling Scaling Factor [	5, 2023-06 t Result ] g] ]	ts Ar 202	DAE4 Sn1557, . ea Scan 3-10-23 2.07 1.47 -0.02	2023-07-06 Zoom Scan 2023-10-23 2.00 1.37 -0.03
ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA Surface Detection	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A VMS + 6p	Zoom Scan           30.0 x 30.0 x 30.0           6.0 x 6.0 x 1.5           1.4           Yes           1.5           N/A           VMS + 6p	EX3DV4 - SN7506 Date psSAR1g [W/kg psSAR10g [W/k Power Drift [dB Power Scaling Scaling Factor [ TSL Correction	5, 2023-06 <b>t Resul</b> i ] g] ]	ts Ar 202 E	DAE4 Sn1557, . ea Scan 3-10-23 2.07 1.47 -0.02	2023-07-06 Zoom Scan 2023-10-23 2.00 1.37 -0.03 Disabled No correction
ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A	Hz_2023-Oct-23 Zoom Scan 30.0 x 30.0 x 30.0 6.0 x 6.0 x 1.5 1.4 Yes 1.5 N/A	EX3DV4 - SN7506 Date psSAR1g [W/kg psSAR10g [W/k Power Drift [dB Power Scaling Scaling Factor [ TSL Correction	5, 2023-06 t Result ] ] ] ] dB]	ts Ar 202 E	DAE4 Sn1557, . a Scan 3-10-23 2.07 1.47 -0.02 isabled	2023-07-06 Zoom Scan 2023-10-23 2.00



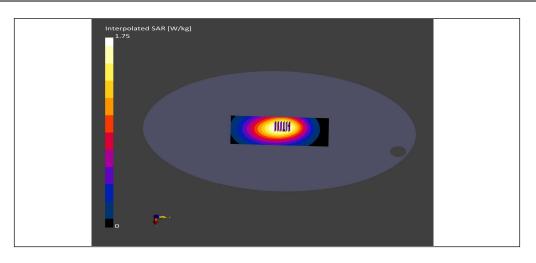
SAR 10g (W/Kg)	1.37
SAR 1g (W/Kg)	2.00



Page 36 of 39

# Plot 5: DUT: Holding a walkie-talkie; EUT Model: G1PRO

Model, Manufactu	rer	Dimensions (mr	n] IN	1EI	DUT Type		
Device,		180.0 x 60.0 x 3	0.0		Holding a v	valkie-talkie	
posure Condit	ions						
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5- 10000MHz	FRONT, 25.00	D450	CW, 0	462.65, 62	11.25	0.871	44.3
7.0		TSL, Measured	Date	Probe, Calibratio	n Date	DAE, Calibratio	on Date
Phantom			Date Hz2023-Oct-23	Probe, Calibratio EX3DV4 - SN7506		DAE, Calibratio DAE4 Sn1557,	
Phantom ELI V8.0 (20deg pro				EX3DV4 - SN7506	i, 2023-06-29		
Phantom ELI V8.0 (20deg pro		HBBL 5-10000 <u>N</u>		EX3DV4 - SN7506	i, 2023-06-29 t Results		
Phantom EU V8.0 (20deg pro Scan Setup	be tilt <u>) - 2171</u>		Hz_, 2023-Oct-23	EX3DV4 - SN7506 Measuremen	i, 2023-06-29 t Results	DAE4 Sn1557,	2023-07-06
Phantom ELI V8.0 (20deg pro	be tilt <u>) - 2171</u>	HBBL 5-10000M	Hz_, 2023-Oct-23 Zoom Sca	EX3DV4 - SN7506 Measuremen Date	i, 2023-06-29 t Results Ar 202	DAE4 Sn1557,	2023-07-06 Zoom Scan
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0	Hz _ 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30.	EX3DV4 - SN7506 Measuremen D Date 5 psSAR1g [W/kg	i, 2023-06-29 t Results Ai 202 1	DAE4 Sn1557, ea Scan 3-10-23	2023-07-06 Zoom Scan 2023-10-23
Phantom LI V8.0 (20deg pro Gran Setup Grid Extents [mm] Grid Steps [mm]	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0	Hz_, 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1.	EX3DV4 - SN7506 Measuremen Date 5 psSAR1g [W/kg 4 psSAR10g [W/kg	i, 2023-06-29 t Results Ar 202 I	DAE4 Sn1557, ea Scan 3-10-23 1.14	2023-07-06 Zoom Scan 2023-10-23 1.13
Phantom El V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 ¥es 1.5	Hz_2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. 1.	EX3DV4 - SN7506 Measuremen Date 5 psSAR1g [W/kg 4 psSAR10g [W/k 5 Power Drift [dB	i, 2023-06-29 t Results 202 1 g) 1	DAE4 Sn1557, ea Scan 3-10-23 1.14 0.828	2023-07-06 Zoom Scan 2023-10-23 1.13 0.828
hantom LI V8.0 (20deg pro Can Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio	obe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes	Hz2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. 1. Ye	EX3DV4 - SN7506 Measuremen Date 5 psSAR1g [W/kg 4 psSAR10g [W/k 5 Power Drift [dB 5 Power Scaling	i, 2023-06-29 t Results Au 202 1 g] 1	DAE4 Sn1557, ea Scan 3-10-23 1.14 0.828 -0.08	2023-07-06 Zoom Scan 2023-10-23 1.13 0.828 -0.14
Phantom ELI V8.0 (20deg pro Scan Setup Grid Extents [mm] Gensor Surface [m Graded Grid	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 ¥es 1.5	Hz 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. Ye 1.	EX3DV4 - SN7506 Measuremen Date 5 psSAR1g [W/kg 4 psSAR1g [W/kg 5 Power Drift [dB 5 Power Scaling A Scaling Factor [r	i, 2023-06-29 t Results 202 1 g) 1 dB]	DAE4 Sn1557, ea Scan 3-10-23 1.14 0.828 -0.08	2023-07-06 Zoom Scan 2023-10-23 1.13 0.828 -0.14
Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A	Hz_, 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. 1. Ye 1. N/	EX3DV4 - SN7506      Measuremen      Date     psSAR1g [W/kg     pSAR10g [W/k     pSAR10g [W/k     power Drift [dB     Power Scaling     A Scaling Factor [     p	i, 2023-06-29 t Results 202 g] ] dB] No co	DAE4 Sn1557, ea Scan 3-10-23 1.14 0.828 -0.08 Jisabled	2023-07-06 Zoom Scan 2023-10-23 1.13 0.828 -0.14 Disabled



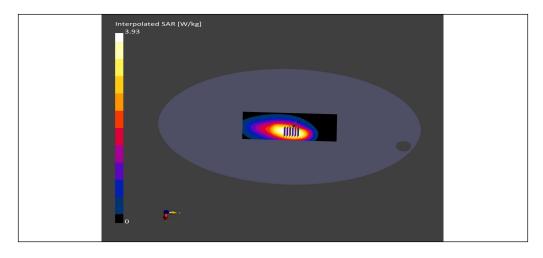
SAR 10g (W/Kg)	0.828
SAR 1g (W/Kg)	1.13



Page 37 of 39

# Plot 6: DUT: Holding a walkie-talkie; EUT Model: G1PRO

Model, Manufactu	rer	Dimensions [mr	n] IN	El	DUT Type		
Device,		180.0 x 60.0 x 3	0.0		Holding a v	/alkie-talkie	
posure Condit	ions						
Phantom Section, TSL	Position, Test Distance (mm)	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HBBL 5- 10000MHz	BACK, O	D450	CW, 0	462.55, 62	11.25	0.871	44.3
ardware Setup Phantom		TSL. Measured	Date	Probe, Calibration	Date	DAF. Calibratic	on Date
Phantom		TSL, Measured		Probe, Calibration		DAE, Calibratic	
Phantom			Date IHz_, 2023-Oct-23	Probe, Calibration EX3DV4 - SN7506,		DAE, Calibratic DAE4 Sn1557,	
•		HBBL 5-10000 <u>Ⅳ</u>	I <u>Hz</u> 2023-Oct-23	EX3DV4 - SN7506, Measurement	2023-06-29 Results	DAE4 Sn1557,	2023-07-06
Phantom EU V8.0 (20deg pro Scan Setup	be tilt) <u>- 2171</u>	HBBL 5-10000[V Area Scan	IHz_, 2023-Oct-23 Zoom Sca	EX3DV4 - SN7506, Measurement	2023-06-29 Results	DAE4 Sn1557,	2023-07-06 Zoom Scan
Phantom ELI V8.0 (20deg pro	be tilt) <u>- 2171</u>	HBBL 5-10000 <u>Ⅳ</u>	I <u>Hz</u> 2023-Oct-23	EX3DV4 - SN7506, Measurement	2023-06-29 Results	DAE4 Sn1557,	2023-07-06
hantom LI V8.0 (20deg pro Gran Setup Grid Extents [mm] Grid Steps [mm]	be tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0	IHz _ 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1.	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg]	2023-06-29 Results 202	DAE4 Sn1557, ea Scan 3-10-23 2.41	2023-07-06 Zoom Scan 2023-10-23 2.38
hantom LI V8.0 (20deg pro Grid Extents [mm] Grid Steps [mm] Sensor Surface [m	be tilt) <u>- 2171</u>	HBBL 5-10000 <u>M</u> Area Scan 90.0 x 210.0	IHz _, 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30.	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg]	2023-06-29 Results 202	ea Scan 3-10-23 2.41 1.72	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64
hantom LI V8.0 (20deg pro can Setup Grid Extents [mm] Sensor Surface [m Graded Grid	be tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes	Zoom Sca           30.0 x 30.0 x 30.           6.0 x 6.0 x 1.           1           Ye	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] PosAR1g [W/kg] Power Drift (dB)	2023-06-29 Results Ar 202	DAE4 Sn1557, ea Scan 3-10-23 2.41 1.72 -0.07	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64 -0.13
hantom LI V8.0 (20deg pro Grid Extents [mm] Grid Steps [mm] Sensor Surface [ Graded Grid Grading Ratio	be tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5	Hz_, 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. 1. Ye 1.	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] Power Drift [db] Power Scaling	2023-06-29  Results  Ar  202	ea Scan 3-10-23 2.41 1.72	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64
hantom LI V8.0 (20deg pro can Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A	Zoom Sca           30.0 x 30.0 x 30.1           6.0 x 6.0 x 1.1           Ye           1.           Ye	EX3DV4 - SN7506, Measurement Date pSAR1g [W/kg] pSAR10g [W/kg] Power Drift [dB] Power Scaling Scaling Factor [dl	2023-06-29  Results  Ar  202	DAE4 Sn1557, ea Scan 3-10-23 2.41 1.72 -0.07	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64 -0.13
Chantom CU V8.0 (20deg pro Scan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA Surface Detection	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5	Hz_, 2023-Oct-23 Zoom Sca 30.0 x 30.0 x 30. 6.0 x 6.0 x 1. 1. Ye 1.	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] psSAR10g [W/kg] Power Drift [dB] Power Stalling Scaling Factor [df] Scaling Factor [df]	2023-06-29  Results  Ar  202  I  I  Bl	DAE4 Sn1557, ea Scan 3-10-23 2.41 1.72 -0.07	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64 -0.13 Disabled No correction
Chantom Cl V8.0 (20deg pro Ccan Setup Grid Extents [mm] Grid Steps [mm] Sensor Surface [m Graded Grid Grading Ratio MAIA	bbe tilt) <u>- 2171</u>	HBBL 5-10000M Area Scan 90.0 x 210.0 15.0 x 15.0 3.0 Yes 1.5 N/A	Zoom Sca           30.0 x 30.0 x 30.1           6.0 x 6.0 x 1.1           Ye           1.           Ye	EX3DV4 - SN7506, Measurement Date psSAR1g [W/kg] Power Drift [dB] Power Scaling Scaling Factor [df] SL Correction	2023-06-29  Results  Ar  202  I  B]  No co	DAE4 Sn1557, ea Scan 3-10-23 2.41 1.72 -0.07 Jisabled	2023-07-06 Zoom Scan 2023-10-23 2.38 1.64 -0.13 Disabled



SAR 10g (W/Kg)	1.64
SAR 1g (W/Kg)	2.38



# Appendix C. Probe Calibration and Dipole Calibration Report

Refer the appendix Calibration Report.

# Important

(1) The test report is valid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of Approval and Reviewer;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days.

(6) Generally, commission test is responsible for the tested samples only.

(7) As for the test result "-" or "N" means "not applicable", "/" means "not test", "P" means "pass" and "F" means "fail"

\*\*The test data and test results given in this test report should only be used for purposes of scientific research, teaching and internal quality control when the CMA symbol is not presented.\*\*

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