

Page: 1 of 25

RF Exposure report





The following samples were submitted and identified on behalf of the client as:

Product Name Video baby monitor

Brand Name Motorola Model No. VM481PU

Applicant Meizhou Guo Wei Electronics Co., Ltd.

AD1 Section, Economic Development Area, Dongsheng

Industrial District, Meizhou, Guangdong, China.

Standards IEEE/ANSI C95.1-1992, IEEE 1528-2013

RSS102 Issue 5, IEC/IEEE 62209-1528:2020,

FCC 47CFR §2.1093

FCC ID 2ARRB-VM481APU

IC 20353-VM481APU

HVIN VM481APU

Date of EUT Receipt Jul. 04, 2022

Date of Test(s) Jul. 10, 2022

Date of Issue Jul. 22, 2022

In the configuration tested, the EUT complied with the standards specified above.

Remarks:

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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This test report is within the scope of TAF certification, except for the standard FCC 47CFR §2.1093.

Signed on behalf of SGS

Clerk / Kimmy Chiou	PM / Kiki Lin	Approved By / John Yeh	
Kimmy Chiou	Kiki Lin	John Teh	

Date: Jul. 22, 2022

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Revision History

Report Number	Revision	Description	Issue Date	Revised By	Remark
TESA2207000186ES	00	Initial creation of document	Jul. 22, 2022	Kimmy Chiou	

N	Ote	•

1. The mark " * " is the revised version of the report due to comments submitted by the certification.

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GENERAL INFORMATION

1.1 Test Methodology

The SAR testing method and procedure for this device is in accordance with the following standards:

IEEE/ANSI C95.1-1992

IEEE 1528-2013

KDB447498D01v06

KDB865664D01v01r04

KDB865664D02v01r02

KDB941225D07v01r02

RSS102 Issue 5

IEC/IEEE 62209-1528:2020

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1.2 Description of EUT

General Information of Host:

A1
production unit
portable device
uncontrolled environment / general population
Integral Antenna
Adaptor 1 Model: BQ05A-0501000-U Input: AC 100-240V, 50/60Hz, Max 300mA Output: DC 5V, 1.0A or Adaptor 2 Model: AT-538A-050100A Input: AC 100-240V, 50/60Hz, 200mA Output: DC 5V, 1.0A Or Battery Model: 5C Rated capacity: 1200mAh, 4.44Wh Voltage: 3.7VDC
AC 120V
Power Cable: 185cm unshielded 2 wires DC cable
0 dBi
Integral antenna
GFSK
32
2405MHz to 2475MHz
Frequency Hopping Spread Spectrum (FHSS)
i reductio, riepping opticus opecusion (ritios)
2ARRB-VM481APU

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Maximum value

Max. SAR (1g) (Unit: W/Kg)						
Band Measured Reported Position						
2.4G	0.16	0.31	Back Surface			

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2 MEASUREMENT SYSTEM

2.1 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier	
SGS Taiwan Ltd.	1F, No. 8, Alley 15, Lane 120, Sec. 1, NeiHu Road, Neihu	SAR 2			
	District, Taipei City, 11493, Taiwan.	SAR 6	TW0029		
	No. 2, Keji 1st Rd., Guishan	SAR 1			
Central RF Lab. (TAF code 3702)	Township, Taoyuan County, 33383, Taiwan	SAR 4	TW0028	TW3702	
	No.134, Wu Kung Road, New Taipei Industrial Park,	SAR 3			
	Wuku District, New Taipei City, Taiwan	SAR 7	TW0027		

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

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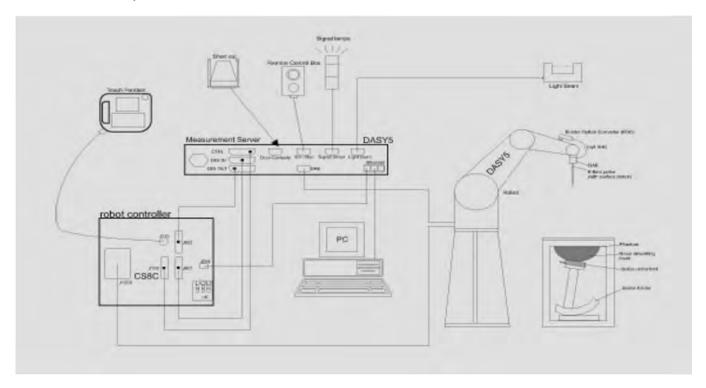


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2.2 **SAR System**

Block Diagram (DASY5)

A block diagram of the SAR measurement System is given in below. This SAR measurement system uses a computer-controlled 3-D stepper motor system (SPEAG DASY 5 professional system). The model EX3DV4 field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ ($|Ei|^2$)/ ρ where σ and ρ are the conductivity and mass density of the tissue-simulant.



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EX3DV4 E-Field Probe

Construction	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	Basic Broad Band Calibration in air Conversion Factors (CF) for HSL 2450MHz Additional CF for other liquids and frequencies upon request
Frequency	10 MHz to > 6 GHz
Directivity	± 0.3 dB in HSL (rotation around probe axis)
-	± 0.5 dB in tissue material (rotation normal to probe axis)
Dynamic	10 μ W/g to > 100 mW/g
Range	Linearity: ± 0.2 dB (noise: typically < 1 μW/g)
Dimensions	Tip diameter: 2.5 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields). Only probe which enables compliance testing for frequencies up to 6 GHz with precision of better 30%.

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PHANTOM (ELI)

PHANTOW (E	LI)
Model	ELI
Construction	The ELI phantom is used for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.
Shell	2 ± 0.2 mm
Thickness	
Filling Volume	Approx. 30 liters
Dimensions	Major axis: 600 mm
	Minor axis: 400 mm

DEVICE HOLDER (ELI)

DEVICE HOLDE	-14 (1)	
Construction	The device holder (Supporter) for Notebook is made by POM (polyoxymethylene resin), which is non-metal and non-conductive. The height can be adjusted to fit varies kind of notebooks.	Device Holder
	,	

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SAR SYSTEM VERIFICATION

2.3 **Tissue Simulating Liquid**

For the measurement of the field distribution inside the SAM phantom with DASY, the phantom must be filled with homogeneous tissue simulating liquid. For head SAR testing, the liquid height from the ear reference point (ERP) of the phantom to the liquid top surface is larger than 15cm. For body SAR testing, the liquid height from the center of the flat phantom to the liquid top surface is larger than 15cm.

Tissue Simulant Liquid measurement 2.4

The dielectric properties for this Head-simulant fluid were measured by using the SPEAG Dielectric Assessment Kit (DAKS-3.5)

All dielectric parameters of tissue simulates were measured within 24 hours of SAR measurements. The measured conductivity and permittivity are all within ± 5% of the target values.

2.5 Measurement results of Tissue Simulant Liquid

Measured Frequency (MHz)	Liquid Temp. (°C)	Target Dielectric Constant, εr	Target Conductivity, σ (S/m)	Measured Dielectric Constant, εr	Measured Conductivity, σ (S/m)	% devεr	% dev σ	Limit	Measurement Date
2405	22.2℃	39.280	1.760	38.775	1.751	-1.29%	-0.51%	± 5%	
2439	22.2°C	39.214	1.788	38.641	1.777	-1.46%	-0.62%	± 5%	Jul. 10, 2022
2450	22.2°C	39.200	1.800	38.527	1.785	-1.72%	-0.83%	± 5%	Jul. 10, 2022
2475	22.2°C	39.168	1.827	38.455	1.813	-1.82%	-0.78%	± 5%	

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2.6 The composition of the tissue simulating liquid:

Simulating Liquids for 600 MHz -10 GHz, Manufactured by SPEAG:

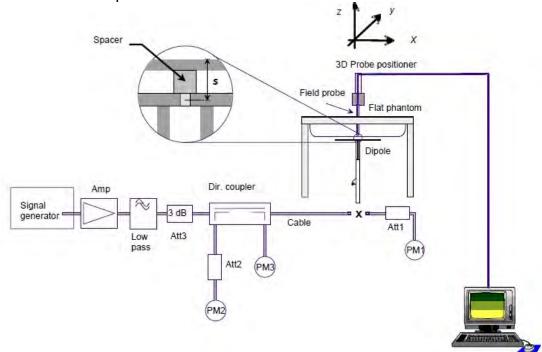
ominating Enquire for occurring to onite maintaine by or exten						
Broad-band head	SPEAG	Frequency range (MHz)	Main Ingredients			
tissue simulating	Product	Trequency range (IVII IZ)	waiii iligiedielits			
liquids	HBBL600-	600 - 10000	Water, Oil			
iiquius	10000V6	000 - 10000	vvaler, On			

2.7 System check

The microwave circuit arrangement for system check is sketched in below. The daily system accuracy verification occurs within the flat section of the SAM phantom and ELI phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target

The tests were conducted on the same days as the measurement of the DUT. The obtained results from the system accuracy verification are displayed with SAR values normalized to 1W forward power delivered to the dipole.

During the tests, the liquid depth from the center of the flat phantom to the liquid top surface was 15 cm above in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



The block diagram of system check

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System check results 2.8

Validation Kit	S/N	Frequency (MHz)	1W Target 1g-SAR (W/kg)	pin=250mW Measured 1g-SAR (W/kg)	Normalized to 1W 1g-SAR (W/kg)	Deviation (%)	Limit	Measurement Date
D2450V2	727	2450	52.8	13.1	52.4	-0.76	± 10%	Jul.10,2022

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3 TEST CONFIGURATIONS

3.1 Test Environment

Ambient Temperature: 22±2° C Tissue Simulating Liquid: 22±2° C

3.2 Test Note

- **General:** Measurements are performed respectively on the lowest, middle and highest channels of the operating band(s).
- **General:** The EUT is set to maximum power level during all tests, and at the beginning of each test the battery is fully charged.
- **General:** During the SAR testing, the DASY system checks power drift by comparing the e-field strength of one specific location measured at the beginning with that measured at the end of the SAR testing.
- **General:** According to KDB447498D01v06, testing of other required channels is not required when the reported 1-g SAR for the highest output channel is \leq 0.8 W/kg, when the transmission band is \leq 100 MHz.
- **General:** According to KDB865664D01v01r04, SAR measurement variability must be assessed for each frequency band. When the original highest measured SAR is ≥ 0.8 W/kg, repeated that measurement once. 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).

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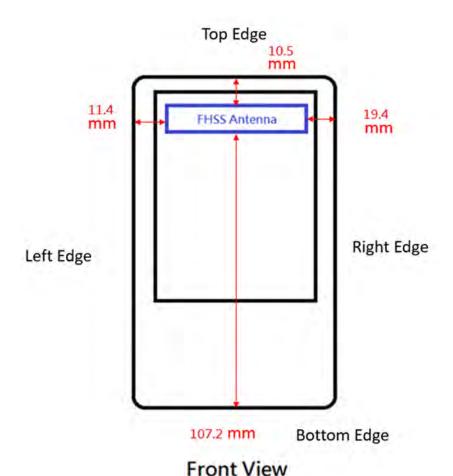


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3.3 Test position

Front/back/left/right/top surface is measured with 5mm

3.4 Antenna Location



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Test limit

§ 2.1093(d)(1)

Applications for equipment authorization of portable RF sources subject to routine environmental evaluation must contain a statement confirming compliance with the limits specified in § 1.1310 as part of their application. Technical information showing the basis for this statement must be submitted to the Commission upon request. The SAR limits specified in § 1.1310(a) through (c) of this chapter shall be used for evaluation of portable devices transmitting in the frequency range from 100 kHz to 6 GHz. Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1). A minimum separation distance applicable to the operating configurations and exposure conditions of the device shall be used for the evaluation. In general, maximum time-averaged power levels must be used for evaluation. All unlicensed personal communications service (PCS) devices and unlicensed NII devices shall be subject to the limits for general population/uncontrolled exposure. Radiofrequency radiation exposure limits.

§ 1.1310(a)

Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b) within the frequency range of 100 kHz to 6 GHz (inclusive).

§ 1.1310(b)

The SAR limits for occupational/controlled exposure are 0.4 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 8 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatial-average SAR limit for occupational/controlled exposure is 20 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 6 minutes to determine compliance with occupational/controlled SAR limits. § 1.1310(c)

The SAR limits for general population/uncontrolled exposure are 0.08 W/kg, as averaged over the whole body, and a peak spatial-average SAR of 1.6 W/kg, averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the parts of the human body treated as extremities, such as hands, wrists, feet, ankles, and pinnae, where the peak spatialaverage SAR limit is 4 W/kg, averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). Exposure may be averaged over a time period not to exceed 30 minutes to determine compliance with general population/uncontrolled SAR limits.

Note to paragraphs (a) through (c):

SAR is a measure of the rate of energy absorption due to exposure to RF electromagnetic energy. These SAR limits to be used for evaluation are based generally on criteria published by the American National Standards Institute (ANSI) for localized SAR in Section 4.2 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017. These criteria for SAR evaluation are similar to those recommended by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Section 17.4.5, copyright 1986 by NCRP, Bethesda, Maryland 20814. Limits for whole body SAR and peak spatial-average

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SAR are based on recommendations made in both of these documents. The MPE limits in Table 1 are based generally on criteria published by the NCRP in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3, copyright 1986 by NCRP, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, these MPE exposure limits for field strength and power density are also generally based on criteria recommended by the ANSI in Section 4.1 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," ANSI/IEEE Std C95.1-1992, copyright 1992 by the Institute of Electrical and Electronics Engineers, Inc., New York, New York 10017.

Portable devices that transmit at frequencies above 6 GHz shall be evaluated in terms of the MPE limits specified in Table 1 to § 1.1310(e)(1).

According to ANSI/IEEE C95.1-1992, the criteria listed in the following Table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4cm2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes

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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)							
	(i) Limits for Occupational/Controlled Exposure										
0.3-3.0	614	1.63	*(100)	≤6							
3.0-30	1842/f	4.89/f	*(900/f ²)	<6							
30-300	61.4	0.163	1.0	<6							
300-1,500			f/300	<6							
1,500- 100,000			5	<6							
	(ii) Limits for Genera	l Population/Uncontrolle	d Exposure								
0.3-1.34	614	1.63	*(100)	<30							
1.34-30	824/f	2.19/f	*(180/f ²)	<30							
30-300	27.5	0.073	0.2	<30							
300-1,500			f/1500	<30							
1,500- 100,000			1.0	<30							

f = frequency in MHz. * = Plane-wave equivalent power density.Table 1 to § 1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

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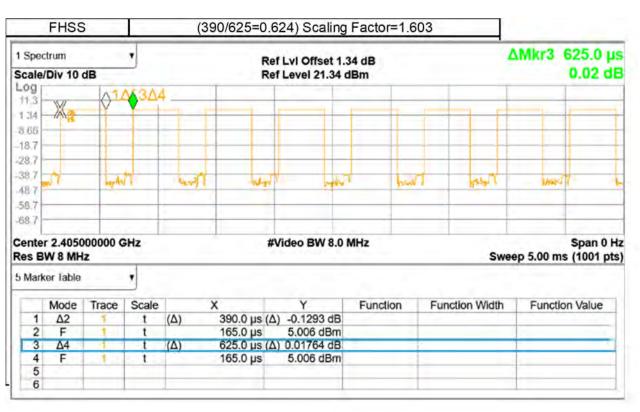


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4 MAXIMUM OUTPUT POWER

4.1 Power table

Ant 1											
Band	Mode	Channel	Frequency (MHz)	Data Rate	Max. Rated Avg. Power + Max. Tolerance (dBm)	Average power (dBm)					
		1	2405		18.00	17.00					
2.45GHz	FHSS(GFSK)	17	2439 1Mbps 18.00		18.00	16.10					
		32	2475		18.00	16.00					



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5 SUMMARY OF RESULTS

5.1 Decision rules

Reported measurement data comply with Test Methodology in section 1.1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

5.2 Summary of SAR Results

Ant1											
Mode	Position	Distance	СН	Freq.	Max. Rated Avg. Power + Max.	Measured Avg. Power	Duty cycle	Power	Averaged SAF	R over 1g (W/kg)	ID
wode	Position	(mm)	CH	(MHz)	Tolerance (dBm)	(dBm)	scaling	scaling	Measured	Reported	10
FHSS(GFSK)	Back Surface	5	1	2405	18.00	17.00	1.60	125.89%	0.155	0.313	001
FHSS(GFSK)	Back Surface	5	17	2439	18.00	16.10	1.60	154.88%	0.122	0.303	
FHSS(GFSK)	Back Surface	5	32	2475	18.00	16.00	1.60	158.49%	0.116	0.295	-
FHSS(GFSK)	Front Surface	5	1	2405	18.00	17.00	1.60	125.89%	0.039	0.078	-
FHSS(GFSK)	Left Edge	5	1	2405	18.00	17.00	1.60	125.89%	0.026	0.051	-
FHSS(GFSK)	Right Edge	5	1	2405	18.00	17.00	1.60	125.89%	0.050	0.101	-
FHSS(GFSK)	Top Edge	5	1	2405	18.00	17.00	1.60	125.89%	0.151	0.305	

Note:

Reported SAR = measured SAR * Power scaling * Duty cycle scaling

5.3 Reporting statements of conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

5.4 Conclusion

The device is compliant because all the standalone results are less than their corresponding criteria.

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6 INSTRUMENTS LIST

SAR Test Site: SAR_7									
Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration				
SPEAG	Dosimetric E-Field Probe	EX3DV4	7509	Mar/25/2022	Mar/24/2023				
SPEAG	System Validation Dipole	D2450V2	727	Apr/25/2022	Apr/24/2023				
SPEAG	Data acquisition Electronics	DAE4	1336	Aug/20/2021	Aug/19/2022				
SPEAG	Software	DASY 52 V52.10.4	N/A	Calibration not required	Calibration not required				
SPEAG	Phantom	ELI	N/A	Calibration not required	Calibration not required				
SPEAG	Dielectric Assessment Kit	DAKS-3.5	1053	Feb/28/2022	Feb/27/2023				
Agilent	Dual-directional coupler	778D	MY48220468	Aug/16/2021	Aug/15/2022				
Agilent	Dual-directional coupler	772D	MY46151242	Aug/16/2021	Aug/15/2022				
Agilent	MXG Analog Signal Generator	N5181A	MY50145142	Dec/23/2021	Dec/23/2022				
Anritsu	Power Meter	ML2496A	1337004	Oct/08/2021	Oct/07/2022				
Anritsu	Power Sensor	MA2411B	1306052	Oct/08/2021	Oct/07/2022				
LKM	Digital thermometer	DTM3000	EC14010603	Nov/09/2021	Nov/08/2022				
TECPEL	Digital thermometer	DTM-303A	TP130077	Oct/28/2021	Oct/27/2022				

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UNCERTAINTY BUDGET

Measurement Uncertainty evaluation template for DUT SAR test (0.3-3G)

A	С	D	е		f	g	h=c * f / e	i=c * g / e	k
Source of Uncertainty	Tolerance/ Uncertainty	Probability Distributio	Div	Div Value	ci (1g)	ci (10g)	Standard uncertainty	Standard uncertainty	vi, or Veff
Measurement system									
Probe calibration	6.00%	N	1	1	1	1	6.00%	6.00%	∞
Isotropy , Axial	3.50%	R	√3	1.732	1	1	2.02%	2.02%	8
Isotropy, Hemispherical	9.60%	R	√3	1.732	1	1	5.54%	5.54%	∞
Modulation Response	2.40%	R	√3	1.732	1	1	1.40%	1.40%	∞
Boundary Effect	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Linearity	4.70%	R	√3	1.732	1	1	2.71%	2.71%	∞
Detection Limits	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Readout Electronics	0.30%	N	1	1	1	1	0.30%	0.30%	∞
Response time	0.80%	R	√3	1.732	1	1	0.46%	0.46%	∞
Integration Time	2.60%	R	√3	1.732	1	1	1.50%	1.50%	∞
Measurement drift (class A evaluation)	1.75%	R	√3	1.732	1	1	1.01%	1.01%	∞
RF ambient condition - noise	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
RF ambient conditions - reflections	3.00%	R	√3	1.732	1	1	1.73%	1.73%	∞
Probe positioner Mechanical restrictions	0.40%	R	√3	1.732	1	1	0.23%	0.23%	∞
Probe Positioning with respect to phantom shell	2.90%	R	√3	1.732	1	1	1.67%	1.67%	∞
Post-processing	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Max SAR Eval	1.00%	R	√3	1.732	1	1	0.58%	0.58%	∞
Test Sample related									
Test sample positioning	2.90%	N	1	1	1	1	2.90%	2.90%	M-1
Device Holder Uncertainty	3.60%	N	1	1	1	1	3.60%	3.60%	M-1
Drift of output power	5.00%	R	√3	1.732	1	1	2.89%	2.89%	8
Phantom and Setup									
Phantom Uncertainty	4.00%	R	√3	1.732	1	1	2.31%	2.31%	∞
Liquid permittivity (mea.)	1.82%	N	1	1	0.64	0.43	1.16%	0.78%	М
Liquid Conductivity (mea.)	0.83%	N	1	1	0.6	0.49	0.50%	0.41%	М
Combined standard uncertainty		RSS					11.49%	11.44%	
Expant uncertainty (95% confidence interval), K=2							22.98%	22.88%	

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SAR MEASUREMENT RESULTS

Date: 2022/7/10

Report No. :TESA2207000186ES FHSS(GFSK)_Body_Back Surface_5mm

Communication System: FHSS; Frequency: 2405 MHz; Duty Cycle: 1:1.603

Medium parameters used: f = 2405 MHz; $\sigma = 1.751$ S/m; $\epsilon_r = 38.775$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.14, 8.14, 8.14); Calibrated: 2022/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1336; Calibrated: 2021/08/20

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (91x131x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 0.231 W/kg

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

Reference Value = 6.083 V/m; Power Drift = 0.14 dB

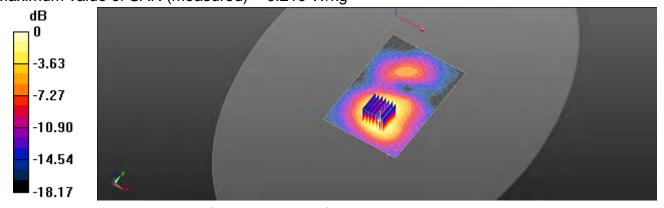
Peak SAR (extrapolated) = 0.292 W/kg

SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.083 W/kg

Smallest distance from peaks to all points 3 dB below = 12.5 mm

Ratio of SAR at M2 to SAR at M1 = 52.4%

Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dBW/kg

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SAR SYSTEM CHECK RESULTS

Date: 2022/7/10

Report No. :TESA2207000186ES

Dipole 2450 MHz_SN:727

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 2450 MHz; $\sigma = 1.785 \text{ S/m}$; $\varepsilon_r = 38.527$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Ambient temperature: 22.5°C; Liquid temperature: 22.2°C

DASY5 Configuration:

Probe: EX3DV4 - SN7509; ConvF(8.14, 8.14, 8.14); Calibrated: 2022/03/25

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1336; Calibrated: 2021/08/20

Phantom: ELI

DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Area Scan (51x61x1): Interpolated grid: dx=12 mm, dy=12 mm

Maximum value of SAR (interpolated) = 21.6 W/kg

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

Reference Value = 98.35 V/m; Power Drift = 0.04 dB

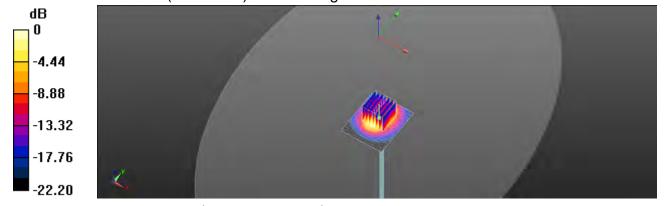
Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.08 W/kg

Smallest distance from peaks to all points 3 dB below = 9.2 mm

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

Maximum value of SAR (measured) = 19.9 W/kg



0 dB = 19.9 W/kg = 12.99 dBW/kg

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Refer to separated files for the following appendixes.

- 10.1 TESA2207000186ES SAR_Appendix A Photographs
- 10.2 TESA2207000186ES SAR_Appendix B DAE & Probe Cal. Certificate
- 10.3 TESA2207000186ES SAR_Appendix C Phantom Description & Dipole Cal. Certificate

- End of report -

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