SAR Test Report

Part 3 of 3 Annex E

Project Number:	**5106021**	**Quotation Number:**	**SUW-202301003949**
Report Number:	**5106021EMC01**	**Revision Level:**	**1**
Client:	**Aegex Technologies, LLC**		

Equipment Under Test:	**Tablet**
Model Name:	**Aegex100M**
Model Number:	**100M**

FCC ID:	**Contains 2AGVY-100MWBXX01**
IC:	**Contains 21074-100MWBXX01**
Applicable Standards:	**IEC 62209-1528**

Report issued on:	**25 September 2024**
Test Result:	**Compliant**

FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

Tested by: _____

Paul Lorenzo, Senior EMC Technician

Reviewed by: _____

Stephen C. Whalen, EMC/RF Exposure Manager

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APPENDIX E - MEASUREMENT UNCERTAINTY BUDGET

Test Name:	SAR 62209 (0.3 to 6 GHz range)
Instrument(s) Used:	DASY 52 SAR Measurement Sytem
Standard(s) Reference:	IEC 62209

Symbol	Source of Uncertainty	Value	Probability Distribution	Divisor	ci (1g)	ci (10g)	Std. Unc. (1g)	Std. Unc. (10g)	vi or veff
	MEASUREMENT DESCRIPTION								
	Probe Calibration	6.0%	N1	1	1	1	6.0%	6.0%	inf
	Axial Isotropy	4.7%	R	1.732	0.7	0.7	1.9%	1.9%	inf
	Hemispherical Isotropy	9.6%	R	1.732	0.7	0.7	3.9%	3.9%	inf
	Linearity	4.7%	R	1.732	1	1	2.7%	2.7%	inf
	System Detection Limits	1.0%	R	1.732	1	1	0.6%	0.6%	inf
	Modulation Response	2.4%	R	1.732	1	1	1.4%	1.4%	inf
	Boundary Effects	2.0%	R	1.732	1	1	1.2%	1.2%	inf
	Readout Electronics	0.3%	N1	1	1	1	0.3%	0.3%	inf
	Response Time	0.8%	R	1.732	1	1	0.5%	0.5%	inf
	Integration Time	2.6%	R	1.732	1	1	1.5%	1.5%	inf
	RF Ambient Noise	3.0%	R	1.732	1	1	1.7%	1.7%	inf
	RF Ambient Reflections	3.0%	R	1.732	1	1	1.7%	1.7%	inf
	Probe Positioner	0.8%	R	1.732	1	1	0.5%	0.5%	inf
	Probe Positioning	6.7%	R	1.732	1	1	3.9%	3.9%	inf
	Post Processing	4.0%	R	1.732	1	1	2.3%	2.3%	inf
	TEST SAMPLE RELATED								
	Device Positioning	2.9%	N1	1	1	1	2.9%	2.9%	inf
	Device Holder	3.6%	N1	1	1	1	3.6%	3.6%	inf
	Power Drift	5.0%	R	1.732	1	1	2.9%	2.9%	inf
	Power Scaling	0.0%	R	1.732	1	1	0.0%	0.0%	inf
	PHANTOM AND SETUP								
	Phantom Uncertainty	7.9%	R	1.732	1	1	4.6%	4.6%	inf
	SAR correction	1.9%	R	1.732	1	0.84	1.1%	0.9%	inf
	Liquid Conductivity(meas.)	2.5%	N1	1	0.78	0.71	2.0%	1.8%	inf
	Liquid Permittivity(meas.)	2.5%	N1	1	0.26	0.26	0.7%	0.7%	inf
	Temp. unc. - Conductivity	1.7%	R	1.732	0.78	0.71	0.8%	0.7%	inf
	Temp. unc. - Permittivity	0.3%	R	1.732	0.23	0.26	0.0%	0.0%	inf
			n1	1	1	1	0.0%	0.0%	inf
uc(Fs)	Combined Standard Uncertainty		N1	1			12.3%	12.3%	
U(Fs)	Expanded Uncertainty		Normal k=	2			**24.6%**	**24.5%**	

The Expanded Uncertainty is 24.6% for a Normal k factor equal to 2

REVISION HISTORY

Revision Level	Description of changes	Revision Date
0	Initial release	23 August 2024
1	Split annex E & F from G to reduce file size	25 September 2024