



Test Report - RF Exposure Evaluation Report for SAR Exclusion Applicant: SUBPAC Inc.

Approved for Release By:

Signature: Bruno Clavier

Name & Title: Bruno Clavier, General Manager

Date of Signature 4/13/2022

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Timco Engineering, Inc., an IIA Company
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1. Customer Information

Applicant: SUBPAC Inc.
Address: 540 Howard Street
San Francisco, California, 94105, United States

2. Location of Testing

2.1 Test Laboratory

Timco Engineering Inc. is a subsidiary of Industrial Inspection & Analysis, Inc. ("IIA"). Testing was performed at Timco's permanent laboratory located at 849 NW State Road 45, Newberry, Florida 32669

FCC test firm # 578780
FCC Designation # US1070
FCC site registration is under A2LA certificate # 0955.01
ISED Canada test site registration # 2056A
EU Notified Body # 1177
For all designations see A2LA scope # 0955.01



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2.2 Testing was performed, reviewed by

Dates of Testing: 1/27/2022 – 2/4/2022

Signature:

Sr. EMC Engineer
EMC-003838-NE



Name & Title:

Tim Royer, EMC Engineer

Date of Signature

4/13/2022

Signature:

Name & Title:

Kristoffer Costa, EMC Technician

Date of Signature

4/13/2022



3. Test Sample(s) (EUT/DUT)

The test sample was received: 1/27/2022

3.1 Description of the EUT

A description as well as unambiguous identification of the EUT(s) tested. Where more than one sample is required for technical reasons (such as the use of connected units for the purpose of conducted output power testing where the product units will have integral antennas), each specific test shall identify which unit was tested.

Identification

Identification	
FCC ID	2AEJU-X1A
FCC ID of Certified BT Module	2AMWO-FSCBT1026
Brief Description	UWB X1 System with Subpac Mini Remote and BT
Model(s) #	SUBPAC X1
Firmware version	n/a
Software version	n/a
Serial Number	n/a

Technical Characteristics

Technical Characteristics	
Technology	UWB X1 System with Subpac Mini Remote and BT
Antenna Connector	n/a
Voltage Rating (AC or Batt.)	5VDC USB Type C
Simultaneous transmission	NO

Antenna Characteristics

Antenna Characteristics		
Frequency Range	Mode / BW	Antenna Gain
6674.9 – 7475.9	n/a	0 dBi
2400 – 2483.5	n/a	0 dBi



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SAR EXCLUSION CALCULATION:

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SAR Exemption 447498 D04 Interim General RF Exposure Guidance v01

Equation found in FCC Part 1.1310 (b)(c)(d)

<i>MPE</i>							
Frequency Band	Separation Distance (mm)	Max Power + Tolerance (dBm)	Max Power + Tolerance (mW)	SAR Exclusion Value	Limit for 1-g SAR	Limit for 10-g SAR (Extremities)	SAR Exclusion
2400-2483.5 MHz	5	9.64	9.21	2.90	3.0	7.5	SAR EXEMPT

UWB =7475.9 MHz, PO = -2.17dBm

SAR Exemption 447498 D04 Interim General RF Exposure Guidance v01 Sec. 2.2.1 (1mW)

Conclusion: SAR testing is not required.



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4. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_0493-22_RF Exp SAR Exclusion Rpt	1	Initial release	4/4/2022
	3	Page 6	4/13/2021
	4	Page 5,6	4/13/2022



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END OF TEST REPORT
