



An IIA Company

Test Report - RF Exposure Evaluation Report for SAR Exclusion

Applicant: Axentia Technologies AB

Approved for Release By:

Signature: *Bruno Clavier*

Name & Title: Bruno Clavier, General Manager

Date of Signature

(YYYY-MM-DD): 8/25/2021

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1. Customer Information

Customer: Axentia Technologies AB
Address: Universitetsvagen 14,
Linkoping, 58330, Sweden

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: 8/24/2021- 8/25/2021

Signature:

A handwritten signature of "Tim Royer" in black ink.

Sr. EMC Engineer
EMC-003838-NE
The logo for iMARIE (International Association of EMC Test Engineers) is a circular emblem. It features the word "CERTIFIED" at the top and "ENGINEER" at the bottom. In the center, the letters "iMARIE" are written in a stylized, italicized font, with a small "i" preceding "MARIE".

Name & Title: Tim Royer, EMC Engineer

Date of Signature 8/25/2021



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

The test sample was received: 8/23/2021

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:	2AR8JH1010
Brief Description	HR1010 Warner Alert FM Receiver with Bluetooth
Type of Modular	n/a
Model(s) #	HR1010
Firmware version	n/a
Software version	n/a
Serial Number	430000047

Technical Characteristics

Technical Characteristics	
Technology	FM Receiver with Bluetooth
Frequency Range	2400-2483.5 MHz
RF O/P Power (Max.)	n/a
Modulation	n/a
Bandwidth & Emission Class	n/a
Number of Channels	3
Duty Cycle	n/a
Antenna Connector	n/a
Voltage Rating (AC or Batt.)	1.5V Battery, 5VDC Micro USB

Antenna Characteristics

Antenna Characteristics			
Frequency Range (MHz)	Mode / BW	Ant Gain 1	Ant Gain 2
2400-2483.5 MHz	n/a	0 dBi	n/a



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4. SAR EXCLUSION CALCULATION:

SAR EXCLUSION CALCULATION:

Frequency Band	Separation Distance (mm)	SAR Evaluation Type	Max Power + Tolerance (dBm)	Max Power + Tolerance (mW)	Interpolated SAR Limit (mW)	Margin (mW)	SAR Exclusion
2400-2483.5 MHz	5	Routine Evaluation	-5.08	0.31	5.18	4.87	SAR EXEMPT

Conclusion: SAR testing is not required.



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5. History of Test Report Changes

Test Report #	Revision #	Description	Date of Issue
TR_4260-21_RF Exp SAR Exclusion Rpt	1	Initial release	8/25/2021



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END OF TEST REPORT
