



# American Aires Inc.

## EMF Modulation Technology

Q4 2021

# Forward-looking and cautionary statements

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# Forward-looking and cautionary statements cont.

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## FORWARD LOOKING INFORMATION

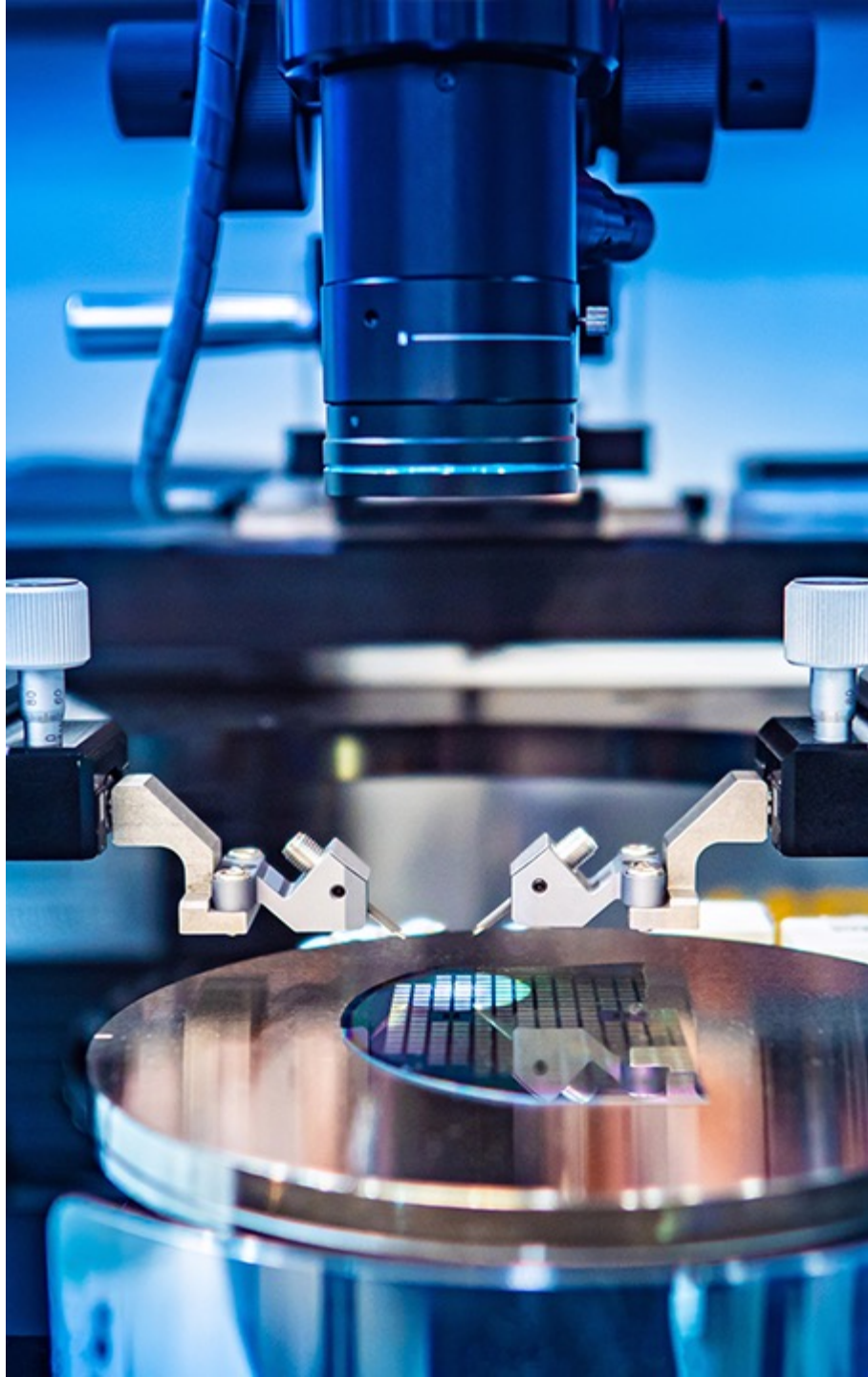
Certain statements in this presentation constitute forward looking statements and forward looking information within the meaning of applicable Canadian and United States securities legislation (collectively herein referred to as "forward looking statements"), which can often be identified by words such as "will", "may", "estimate", "expect", "project", "intend", "anticipate", "target", "believe", "continue", "outlook", and similar expressions or the negatives thereof. Except for statements of historical fact, certain information contained herein constitutes forward looking statements which include but are not limited to statements related to activities, events or developments that the Company expects or anticipates will or may occur in the future, statements related to the Company's business strategy, financial forecasts, objectives and goals, estimations of the Company's market share, estimations of the Company's revenues and management's assessment of future plans and operations which are based on current internal expectations, estimates, projections, assumptions and beliefs, which may prove to be incorrect.

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## Who we are



American Aires Inc. (“Aires”) is a nanotechnology company which has developed proprietary silicon-based microprocessors that reduce the harmful effects of electromagnetic radiation (EMR).



Established brand since 2012 with direct-to-consumer E-commerce sales model.







The products are designed to reduce the harmful effects of EMR (Electromagnetic Radiation) emitted by data-transmitting electronics, such as cell phones, cordless phones, wireless earpieces, wireless headsets, computers, laptops, monitors, smart TVs, baby monitors, Wi-Fi routers and many more.



Aires has centralized manufacturing in Europe and a global distribution network to service consumers worldwide.



# Highlights

-  Aires has invested over 10 years and \$20 million USD to develop their proprietary technology to reduce the harmful effects of EMR.
-  20 Industrial design patents and 6 Invention patents : US, CANADA, UK, EU and Russian Federation.
-  Record quarter over quarter and year over year revenue growth.  
Annual revenue growth of 300%+ in 2019-2020.
-  High margin (70%+ gross margins) business that is scalable and offers a broad range of products which are sold globally through a direct to consumer eCommerce platform.

# A global concern

## Forbes

Electromagnetic fields, similar to those found in overhead power lines, can have a biological effect on human cells, an effect that could contribute to the complex cellular process that leads to cancer

<https://www.forbes.com/sites/cognitive-world/2019/09/09/an-electromagnetic-health-crisis/>  
Published Sep 9, 2019



WHO together with the International Agency for Research on Cancer (IARC) has classified all radio frequency radiation (of which mobile signals are a part) as 'possibly carcinogenic'

<https://www.bbc.com/news/world-europe-48616174>  
Published 15 July 2019

## SCIENTIFIC AMERICAN

Effects include increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans.

<https://blogs.scientificamerican.com/observations/we-have-no-reason-to-believe-5g-is-safe/>  
Published October 17, 2019





## + Classifying the Risk

International Agency for Research on Cancer (IARC) has classified radio frequency electromagnetic fields as possibly carcinogenic to humans (Group 2B)

## + Understanding the Risk

Group 2B carcinogens include items like “chloroform”,  
“engine exhaust” and “welding fumes”

## + Potentially more harmful than we know

“...the lack of data for mobile phone use over time periods longer than 15 years warrant further research of mobile phone use and brain cancer risk.”



# 5G technology poses major health risks



More than 250 scientists have urged the EU to halt the rollout of 5G<sup>1</sup>



Switzerland halts rollout of 5G over health concerns<sup>2</sup>



Once the global 5G network is established, exposure levels will be increased up to 1000%<sup>3</sup>



Hawaii to cease development of 5G infrastructure<sup>4</sup>



Click [HERE](#) to watch the Generation Zapped trailer

<sup>1</sup> <https://www.dailymail.co.uk/news/article-7544239/5G-campaigners-force-Devon-council-pause-installation-new-high-speed-network.html>

<sup>2</sup> <https://www.ft.com/content/848c5b44-4d7a-11ea-95a0-43d18ec715f5>

<sup>3</sup> <https://smombiegate.org/list-of-cities-towns-councils-and-countries-that-have-banned-5g/>

<sup>4</sup> <https://www.hawaiitribune-herald.com/2020/07/08/hawaii-news/resolution-calls-for-halt-to-controversial-5g-development/>

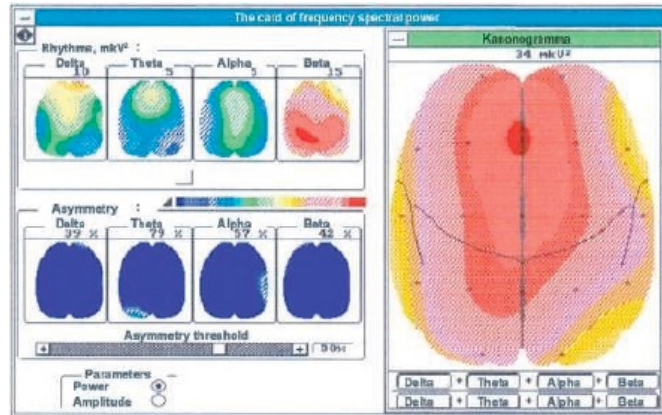




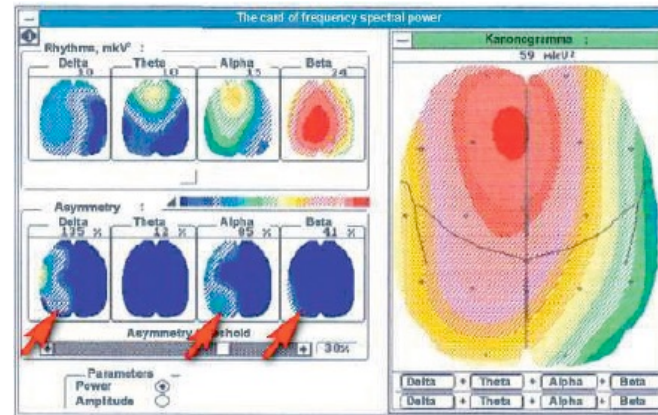
# Product Effectiveness

Sample measured power distributions of EEG rhythms before and during cell phone use with and without an American Aires Inc. device.

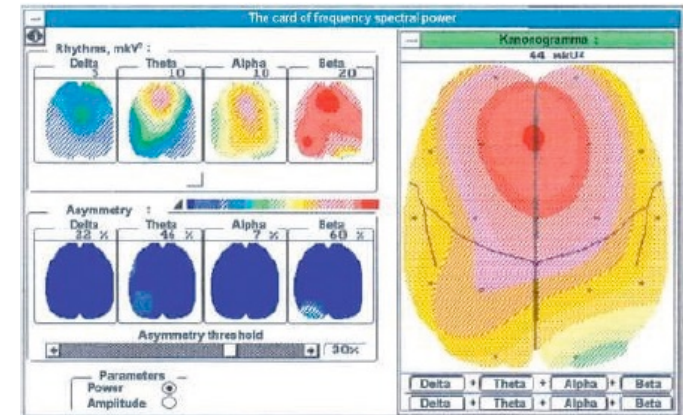
[CLICK HERE FOR FULL STUDY](#)



Regular brain background activity



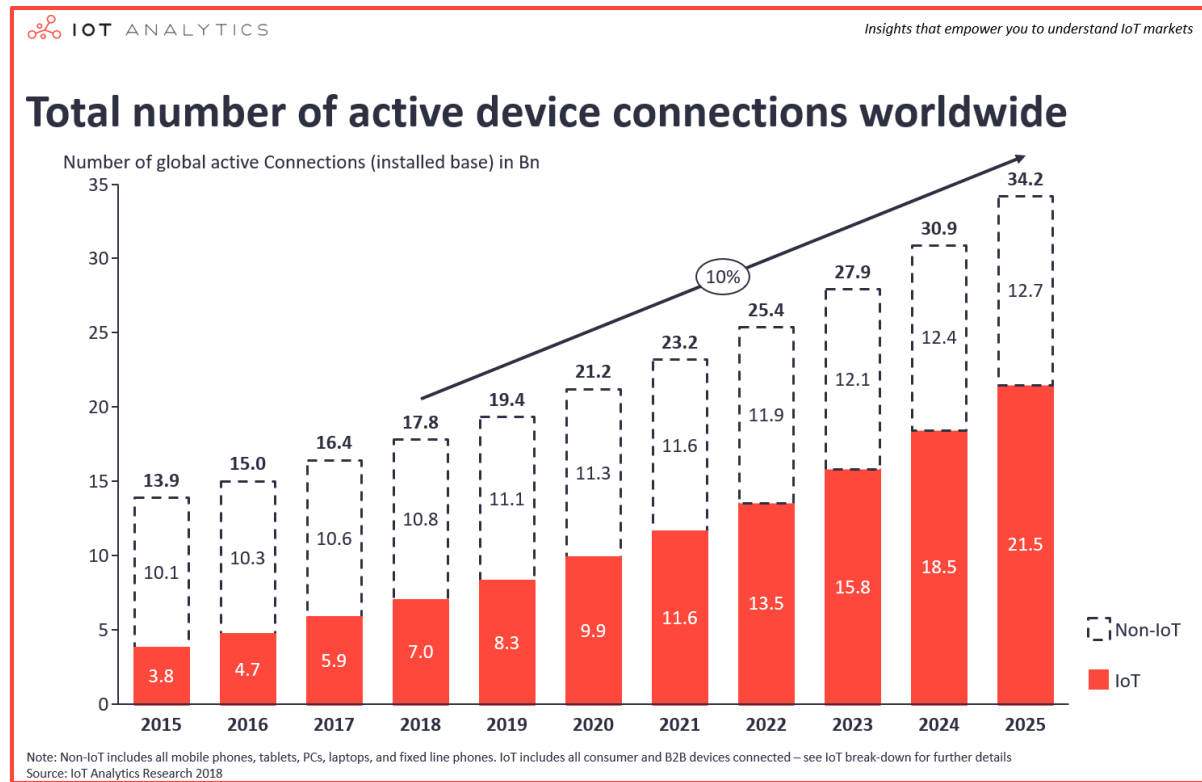
Cell phone use prompts asymmetry as indicated by the arrows



Asymmetry is neutralized when using an American Aires Inc. device

# Market size

“41.6 billion IoT (Internet of Things) devices ... in 2025”



<https://iot-analytics.com/state-of-the-iot-update-q1-q2-2018-number-of-iot-devices-now-7b/>  
<https://www.helpnetsecurity.com/2019/06/21/connected-iot-devices-forecast/>

## Traditional communication devices

The number of connected devices that are in use worldwide now exceeds **17 billion**, with the number of IoT devices at 7 billion (that number does not include smartphones, tablets, laptops or fixed line phones).

**41.6 billion** IoT devices will be generating **79.4 zettabytes** ( $10^{21}$  bytes) of data in 2025

The global connection growth is mainly driven by IoT devices – both on the consumer side (e.g., Smart Home) as well as on the enterprise/B2B side (e.g., connected machinery).



# Customers Snapshot



## Average Order Value

New Customers: \$258  
 Return Customers: \$278  
 Combine Avg: \$265



## Returning CLTV

12 Month Value: \$665  
 Number of Orders: 2.5  
 Lifetime Units: 3.86



## Customer Breakdown

Total Customers: 15,500  
 65 Countries  
 25% Customers Outside US



## Top Country/Region

United States  
 Canada  
 Australia & New Zealand  
 UK  
 Germany  
 Scandinavia



## Website Statistics

Avg Monthly Sessions: 65,000  
 Unique Visitors: 46,750  
 1.92 Pages/Visit  
 1.5% Conversion Rate



# Growth strategy for 2021-2022

## Q4 2021

Launch of Cross Border eCommerce + EU Fulfillment Center

Aires will launch an enhanced, cross border experience to support growth in intl. markets. A new EU based fulfillment center will also be opened.



## Q4 2021

Migrate to Shopify to build end-to-end DTC growth engine

Aires will be transitioning from WooCommerce to Shopify+, consolidating & connecting systems into an agile, intelligent, efficient tech stack



## Q4 2021

Be Brilliant at the Basics Build Foundation

Aires will continue to buildout & deploy foundational systems, tools, processes, to maximize CVR, AOV & LTV.



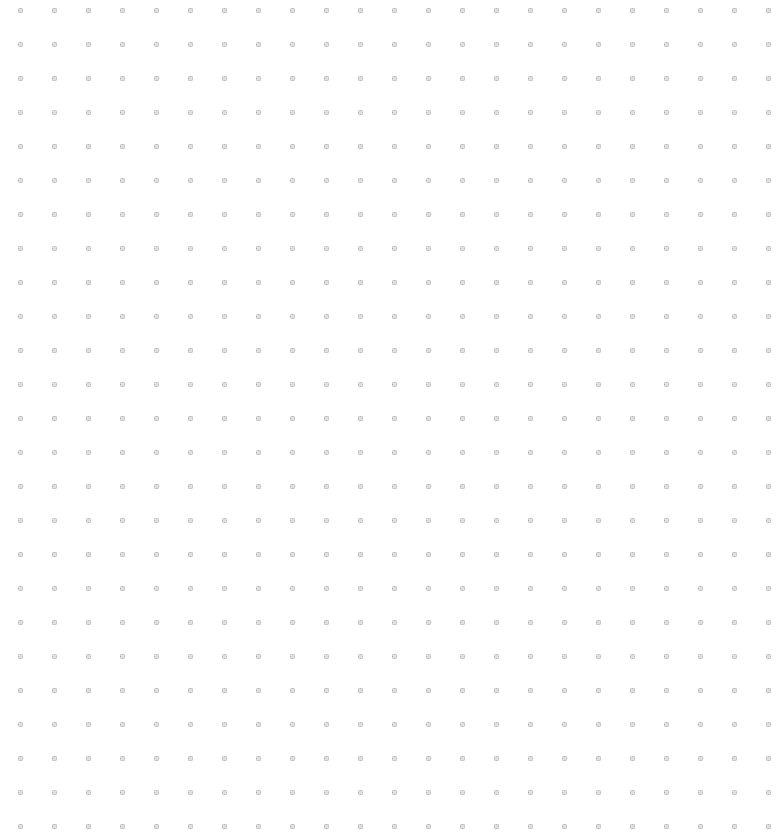
# Aires VaynerCommerce



## Q3 2021 Partnership Announced

VaynerCommerce, part of VaynerX and started by Gary Vaynerchuk, is an innovation, growth & technology firm designed to build enduring commerce brands.

VaynerCommerce will partner with Aires to build and execute a holistic growth strategy. In collaboration with the Aires team, VaynerCommerce will focus in the areas below to build a DTC operating model designed for rapid, sustained growth.



INNOVATION &  
STRATEGY



BRAND STRATEGY &  
DESIGN



PRODUCT &  
TECHNOLOGY



HOLISTIC GROWTH



PERFORMANCE &  
CREATIVE



# Growth strategy cont.

## Q1 2022

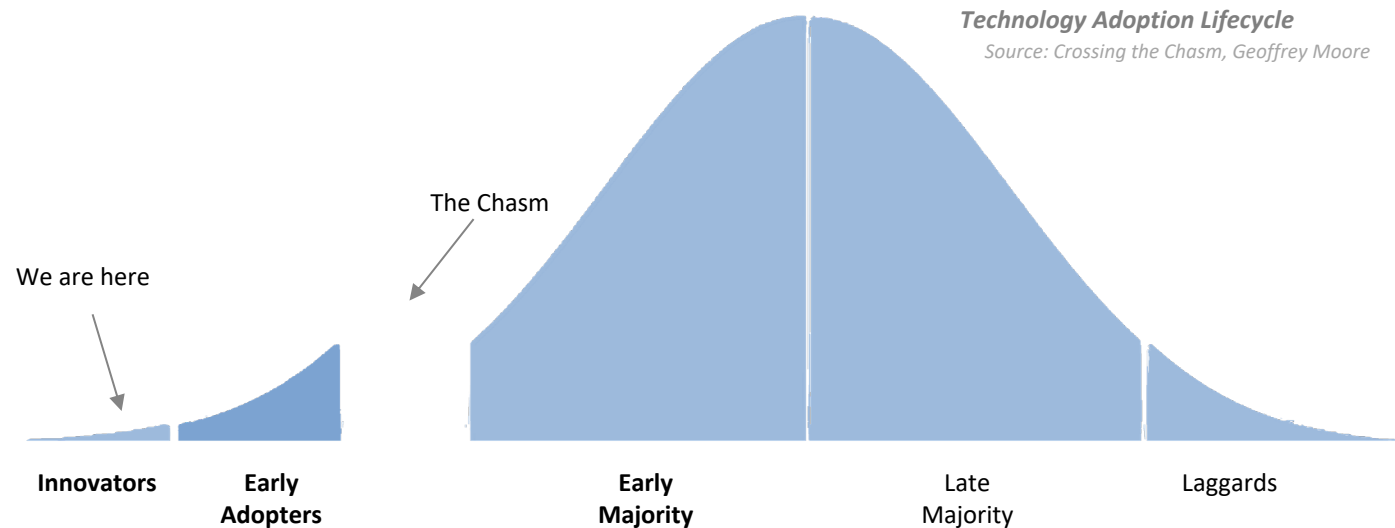
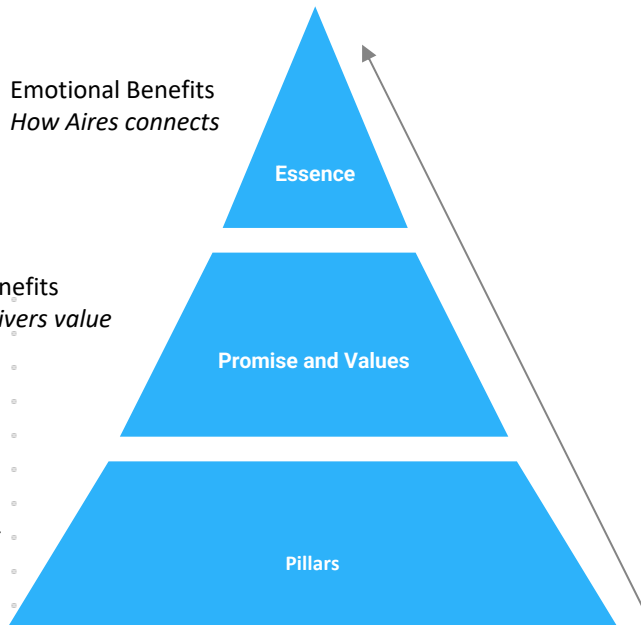
### Evolve from a product to a brand

In partnership with VaynerMedia, Aires will evolve beyond a technical product move to connecting consumers to functional & emotional benefits. Moving Aires into the next phases of the Adoption Lifecycle

## Q1 2022

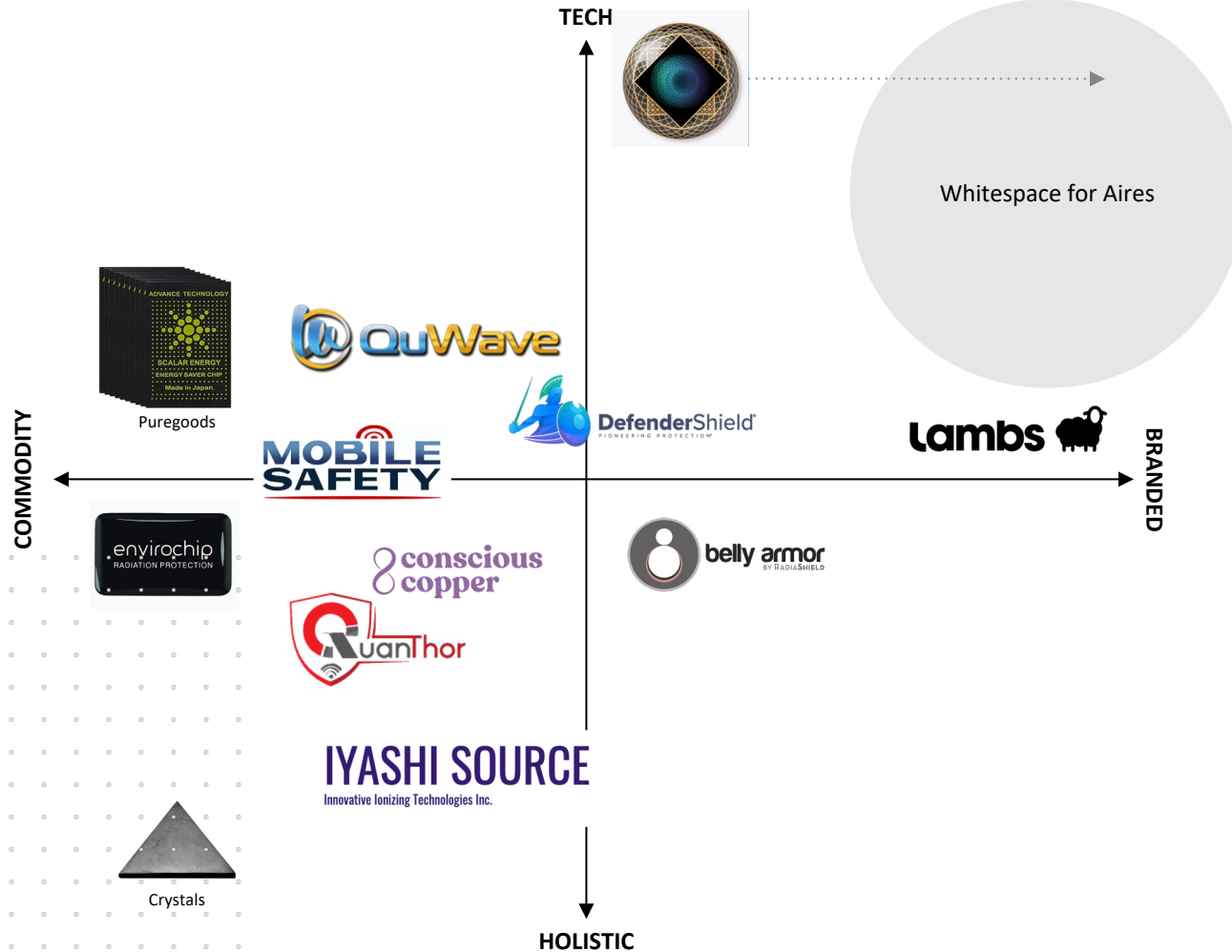
### Own the solution space

Aires will expand its affiliate & influencer program, its most efficient acquisition channel, to connect with high intent users seeking EMF protection solutions



# Growth strategy cont.

americanaires



## Evolve from Product to Brand

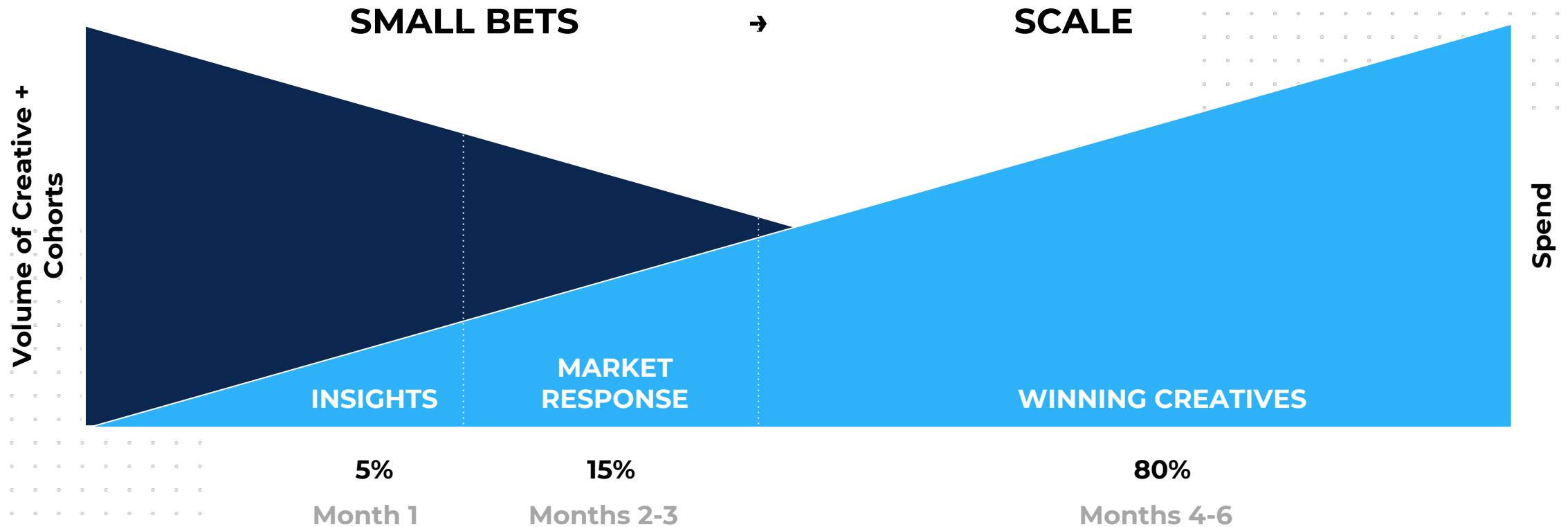
Aires is the only substantiated technical solution & will further distance itself from competition by building a trusted brand.

# Growth strategy cont.

Move from “Be Right” to “Find Right”

Aires is building a content engine designed to “**Find Right**”. This approach mitigates ROI risks by reducing unproven upfront investment, identifies culturally relevant creative proven to resonate with targeted cohorts, designed to drive real, repeatable business outcomes.

americanaires



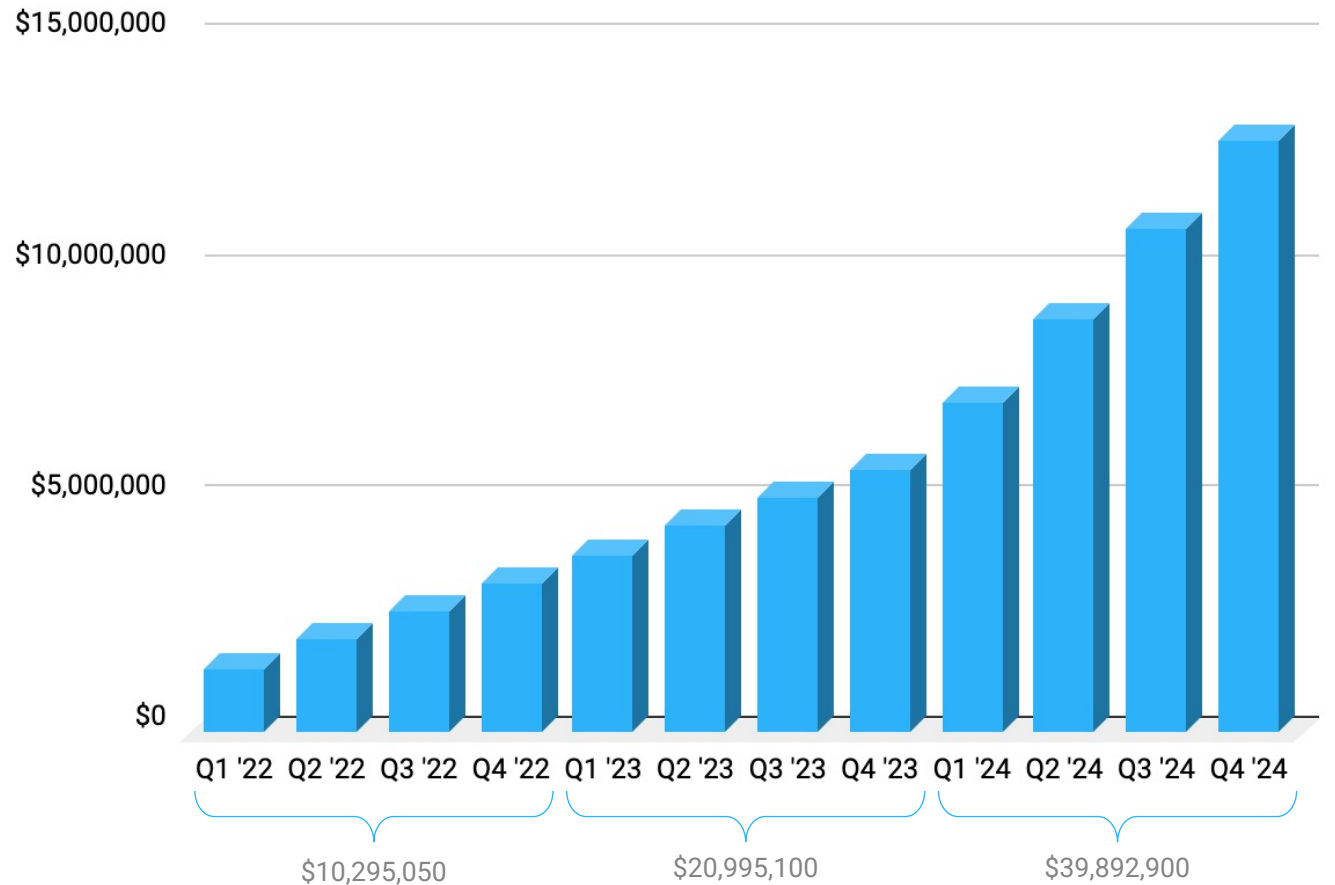


# 3 Year Growth Projections

## + Projected \$40M Gross Revenue in 2024

Projections based on following assumptions:

- 15% Monthly Repeat Rate
- \$1400 24 Month Avg. Customer Value
- New Customer AOV \$285
- Repeat AOV \$325
- 1.25 – 1.6 ROAS
- Spend of \$250k/mo in 2022 scaled to 15-20% of GR 2023/2024



# Our Team Management & Directors



**Dimitry Serov**  
**CHIEF EXECUTIVE OFFICER**

Founder and CEO and President of the Company, Dimitry Serov is responsible for day to day operating activities that include overseas manufacturing, marketing sales and distribution. Dimitry holds a diploma from St. Petersburg's College of Economics and Business Management which he obtained in 2003. Mr. Serov has held various sales and executive management positions in the automotive sector with BMW, Mercedes Benz and Audi. Dimitry's involvement with the technology has been instrumental in facilitating the adaptation of the original Aires technology into its current consumer-oriented form.



**Yan Namer**  
**CHIEF OPERATING OFFICER**

Yan Namer was the CEO of one of the largest General Motors distributors in Ontario. With more than 120 employees, and just under \$30M in revenue, he was responsible for the daily operations and orchestrated the external growth through Merger and Acquisition. Yan combines integrity, tenacity and leadership with the ability to envision and create successful outcomes from complex situations.



**Josh Bruni**  
**CHIEF REVENUE OFFICER**

Josh brings 20 years of successful growth marketing and e-commerce leadership to the Aires team. As an entrepreneur and executive, he has built and led strategy for consumer brands across a variety of categories including fashion & apparel, footwear, health & wellness, food & beverage, and tech. Although Josh is an entrepreneur at heart, throughout his career he has led growth at many large brands including Pacsun, NordicTrack, 7 For All Mankind, Reckitt Benckiser, Ancestry.com and others. Josh has a passion for entrepreneurship and has launched, led and coached many startups including Lendio, Altra Footwear and TeeFury.

# Our Team Management & Directors



**Drew Green**  
**CHAIRMAN and DIRECTOR**

Drew Green is an award winning Chief Executive Officer, entrepreneur and expert in managing fast-paced, high-growth companies, creating one of the world's fastest growing apparel brands. Previously recognized as top 40 under 40, as well as CEO of the year. In 2017 Green was awarded the Innovation in Retail award by the University of Alberta. In 2018 he was awarded Breakout Retailer of the Year by Chain Store Age.



**Robert Suttie**  
**CHIEF FINANCIAL OFFICER**

Mr. Suttie is the Vice President of Marrelli Support Services. He possesses several years of financial reporting experience, several of which were in public accounting prior to his tenure with Marrelli Support Services. He specializes in management advisory services, accounting and the financial disclosure needs of Marrelli's public client base. In addition to managing the group's financial-statement and disclosure team, he also serves as Chief Financial Officer for a number of TSXV-listed junior companies.



**Igor Serov**  
**DIRECTOR**

Co-founder of the Company, Igor Serov is the inventor and designer of the intellectual property assets upon which the modern-day Aires technology is based. Igor Serov is a scientist who has been published several times in academic journals and received various international awards for his accomplishments and scientific discoveries.



# Our Team Management & Directors



**Andrew Michrowski**  
**INDEPENDENT DIRECTOR**

Mr. Michrowski attended the Politecnico di Milano, Architecture, Urbanism & Regional Planning, with engineering & sciences. He is currently a consultant with an international scientific NGO at the United Nations: Planetary Association for Clean Energy, which focuses on advanced clean energy systems and monitors technological threats. Prior thereto, Mr. Michrowski served as Chief Planner with Indian and Northern Affairs, and previously, he held positions as forecaster, policy analyst and program evaluator with the Secretary of State. He has headed multi-year Canadian EMF in housing study for the Canada Mortgage and Housing Corporation team.



**Christopher Irwin**  
**INDEPENDENT DIRECTOR**

Chris practices securities and corporate/commercial law and has been the President of Irwin Professional Corporation since August, 2006. He advises a number of public companies on a variety of issues including continuous disclosure and regulatory issues; reverse-takeover transactions, initial public offerings and takeover bids. Mr. Irwin also advises boards of directors, including independent committees. Mr. Irwin is a director and/or officer of several public companies including: Drone Delivery Canada Corp.; Intercontinental Gold and Metals Ltd., Greencastle Resources Ltd., and Deveron UAS Corp.



**Russell Elensky**  
**INDEPENDENT DIRECTOR**

Mr. Russell Elensky, serves as a Director of the Company since September 26, 2017. He is an Entrepreneur, Investor, Commercial Real Estate Owner and Business Developer with years of experience in starting, growing and exiting businesses.

# Scientific Advisory Board



The Board is established to assist the Company in furthering its product development initiatives.

## Arturas Jukna

### PH.D., PROFESSOR

Arturas is a professor in the Department of Physics and the Head of Photovoltaic Technologies Laboratory of Vilnius Gediminas Technical University Lithuania, EU. Professor Jukna's research interests are in the area of experimental condensed matter physics and applied physics. He has over 30 years of experience in condensed matter physics with a focus on applied superconductivity, ultrafast electronics, and optoelectronics. His current research interests include nanoscience, the physics of high-temperature superconductivity, time-resolved electro-optic and terahertz imaging, and characterization of materials/devices. The professor received his Ph.D. and Habilitation (procedure) in Physics from the Vilnius University and Vilnius Gediminas Technical University, Vilnius, Lithuania, in 1992 and 2008, respectively. Between 1996 and 2018 he worked as a Postdoc and visiting scientist in the Department of Materials Physics of the Royal Institute of Technology, Stockholm, Sweden, the Department of Electrical and Computer Engineering of University of Rochester, Rochester NY, USA, and the department of Materials Physics of the Ben Gurion University of the Negev, Beer Sheba, Israel. He was a Fulbright scholar in 2002-2003 and BAFF scholar in 2016-2017 working at the University of Rochester's Laboratory for Laser Energetics, Rochester NY, USA in the research group of the Ultrafast Quantum Phenomena Laboratory.

## Dr. Nataliya Dyuzhikova

### DOCTOR OF SCIENCES IN BIOLOGY

Nataliya graduated from St. Petersburg State University, Department of Genetics and Biotechnology. Dr. Dyuzhikova is a specialist in the field of physiology and genetics of higher nervous activity, neurogenetics and neuroepigenetics. She is the author of more than 70 scientific articles and several patents. Nataliya's main scientific interests are the research of genetic and epigenetic mechanisms of long-term stress effects, neuropathology, learning and memory. N. Dyuzhikova is a member of the editorial board of the Journal "Integrative Physiology". She conducts scientific collaborations with a number of Russian and foreign laboratories, participates in the education programs of students and postgraduate students.

## Gennadi Lukyanov

### PROFESSOR, DOCTOR OF SCIENCES IN TECHNOLOGY

Gennadi's main activity is in the fields of sensorics, electronics, heat and mass transfer. Together with medical scientists and biologists, he performs research on the interactions of various systems of a living organism. Gennadi has special scientific interest in the study of oscillatory, chaotic processes in nature and technology and living organisms, for the fields of health care, energy saving and environmental protection. He has a diploma in electrical engineering from the St. Petersburg Electrotechnical University, a PhD in Engineering from ITMO University, St. Petersburg and a Doctor of Sciences in Technology from ITMO University, St. Petersburg and a professor's certificate in the Department of Electronics. He is the author of several patents, about 200 scientific publications and a number of textbooks. Co-chairman of the program committee of the annual international scientific conference "Sensorica" (the last one, "Sensorica-2020", was held in Germany, in Muellheim-an-der-Ruhr within the framework of the IEEE Workshop).

# APPENDIX

Products

Technology

Patents + Research

EMR/EMF





The products



## Lifetune Device

Compatible  
with:

mmW

LTE

5G

WiFi

Bluetooth

Lifetune Device EMR Modulation Technology is designed to reduce the harmful effects of electromagnetic radiation emitted by data-transmitting electronics, such as cell phones, cordless phones, wireless earpieces, wireless headsets, computers, laptops, monitors, smart TVs, baby monitors, Wi-Fi routers and more.

MSRP **C\$79.95**



Patented



Independently tested



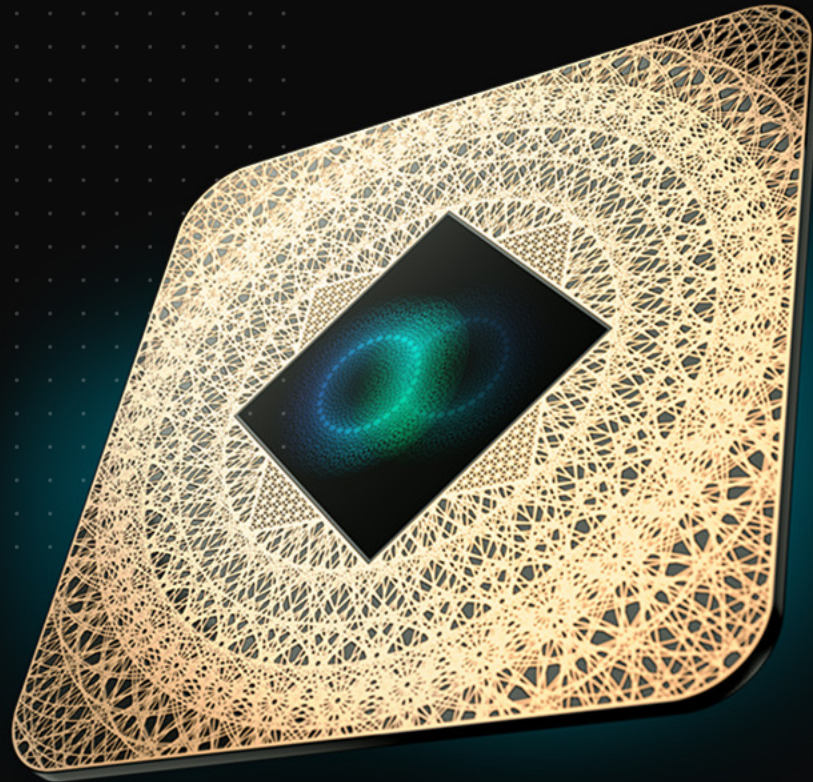
Peer reviewed

# Use Lifetune Device to reduce the harmful effects of EMR

Lifetune Device features ground-breaking EMF modulation technology designed to reduce the harmful effects of electromagnetic radiation emitted by the data-transmitting electronic device it is attached to. The new generation boasts improvements in effectiveness as well as durability and adhesion. Lifetune Device was specifically designed to address 5G and millimetre wave electromagnetic radiation.

- |                     |                        |
|---------------------|------------------------|
| 01. Cell Phones     | 06. Laptops / PCs      |
| 02. Cordless Phones | 07. Monitors           |
| 03. Tablets         | 08. Bluetooth Headsets |
| 04. Baby Monitors   | 09. Smart TVs          |
| 05. Routers         | 10. Smart Home Devices |





# Lifetune Personal

Compatible  
with:

mmW

LTE

5G

WiFi

Bluetooth

Lifetune Personal EMR Modulation Technology is designed for your personal protection from the harmful effects of electromagnetic radiation emitted by nearby electronic devices and electromagnetic smog.

MSRP **C\$329.95**



Patented



Independently tested



Peer reviewed



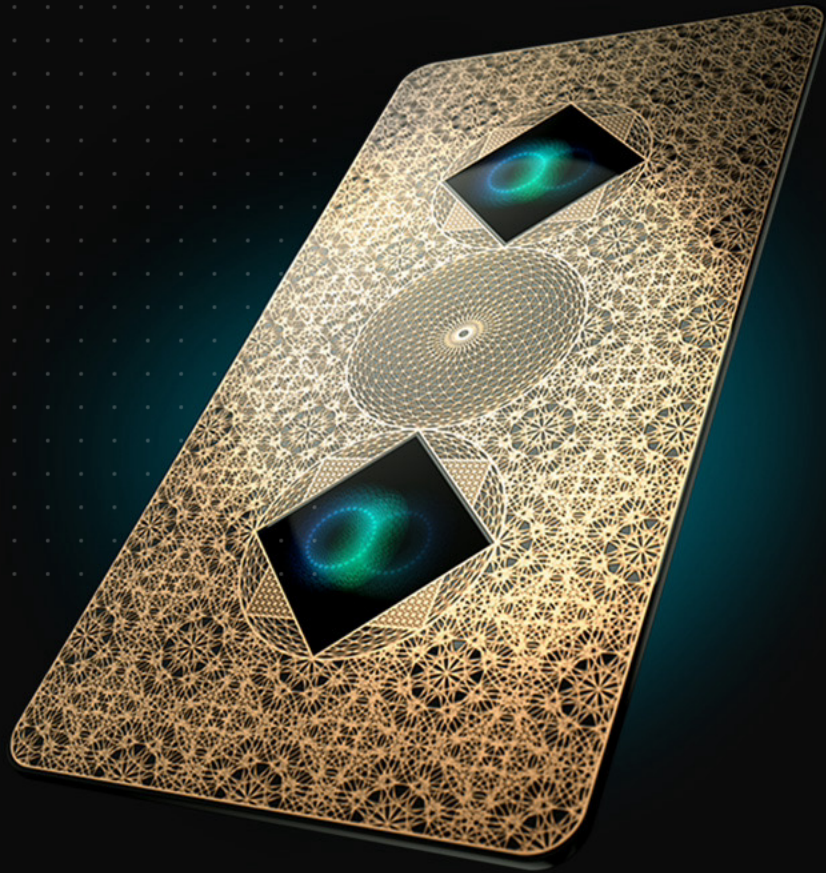
# Use Lifetune Personal to reduce the harmful effects of EMFs

Lifetune Personal is a nanotechnology device that employs a patented electromagnetic radiation modulation process that could help reduce the harmful effects of surrounding electromagnetic radiation on the person carrying it. The device was specifically designed for 5G and millimeter wave emitted by communication towers and data-transmitting personal electronics devices. Lifetune Personal is small, rugged and can be carried in your wallet, purse, pocket, or around your neck in the provided pouch.

01. Personal Communication Devices
02. Everyday Electronics
03. Power Lines
04. Cellular Towers
05. Electromagnetic Pollution







# Lifetune Room

Compatible  
with:

mmW

LTE

5G

WiFi

Bluetooth

Lifetune Room EMR Modulation Technology protects you from the harmful effects of electromagnetic radiation emitted by data-transmitting devices found in any home, office or vehicle.

MSRP **C\$399.95**



Patented



Independently tested



Peer reviewed

# Use Lifetune Room to reduce the harmful effects of EMR in a 500 sq. ft area

Lifetune Room is our most powerful and innovative device. Designed from the ground up to address 5G and millimetre wave electromagnetic radiation, Lifetune Room modulates surrounding electromagnetic radiation helping reduce its harmful effects on everyone within a 500 sq. ft. area. Whether you are concerned about 5G, WIFI, LTE, powerlines or electromagnetic smog, adding a Lifetune Room to your home or office can bring peace of mind and help keep the people you care about safe.

- |                 |                          |
|-----------------|--------------------------|
| 01. Offices     | 04. Children's Play Area |
| 02. Automobiles | 05. Server Rooms         |
| 03. Bedrooms    | 06. Boardrooms           |







# Lifetune MINI

Compatible  
with:

mmW

LTE

5G

WiFi

Bluetooth

Lifetune MINI EMR Modulation Technology is designed to protect you, your children or your pets, from the harmful effects of electromagnetic radiation emitted by nearby electronic devices and electromagnetic smog. Your Lifetune MINI is durable, waterproof, and designed specifically for anyone on the go..

MSRP **C\$199.95**



Patented



Independently tested



Peer reviewed

# Use Lifetune **MINI** to reduce the harmful effects of EMFs

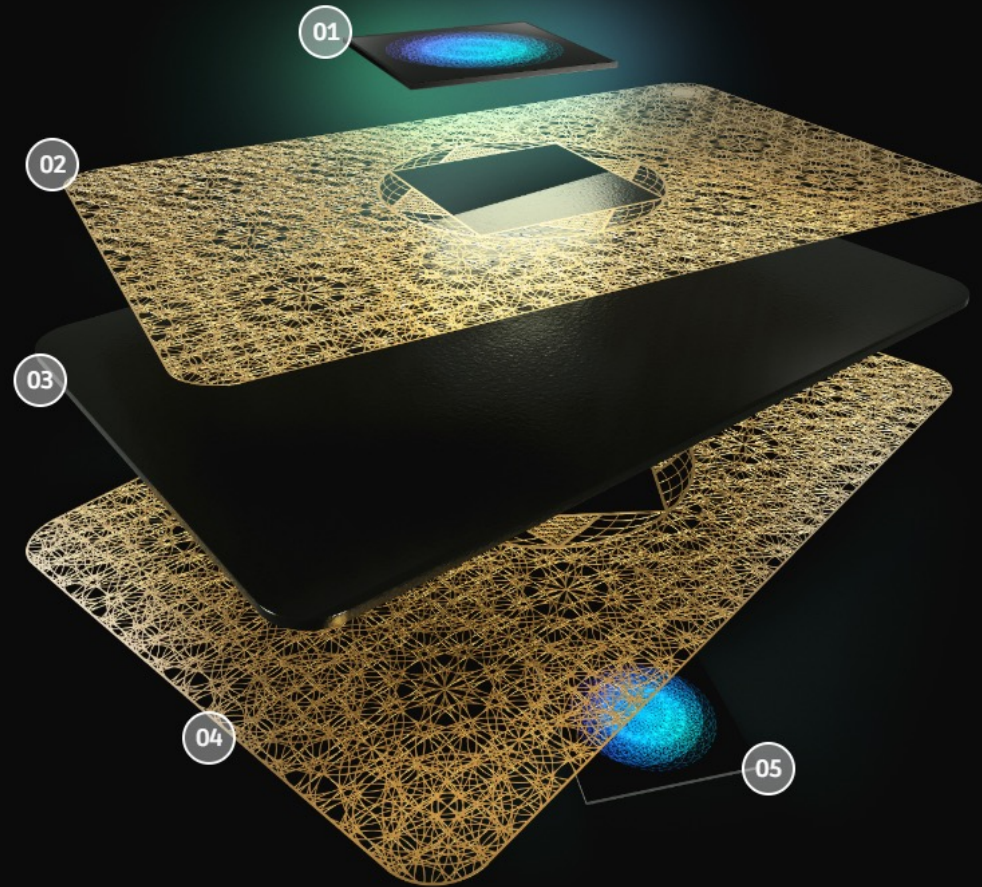
Small bio-organisms are arguably susceptible to the harmful effects of electromagnetic radiation to a greater extent. Specifically designed for 5G and millimetre wave, Lifetune MINI is a robust collar pendant that was designed for active pets of all sizes. The functionality of Lifetune MINI is similar to that of Lifetune Personal, however it was scaled down and enclosed in a protective.

01. Personal Communication Devices
02. Everyday Electronics
03. Power Lines
04. Cellular Towers
05. Electromagnetic Pollution



The technology





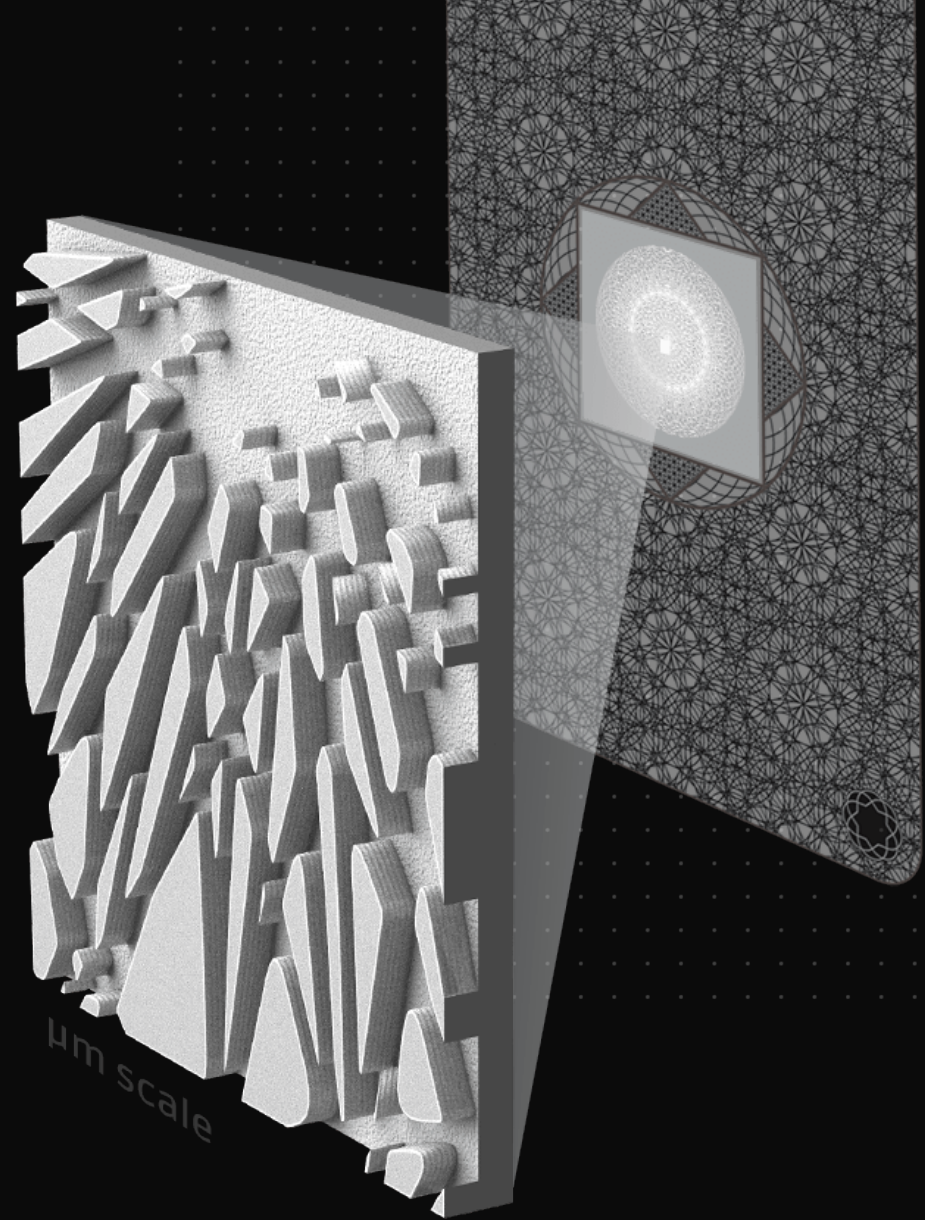
# The technology

At the heart of all Aires products is a silicon based patented Aires microprocessor – an etched fractal diffraction nano matrix that triggers the forward and inverse Fourier transformation of the electromagnetic radiation it interacts with.

- 01 Front-facing state of the art Aires C28S Microprocessor.
- 02 Front range maximizing resonator antenna powering the chip by accumulating charge from the surrounding EMR.
- 03 Infrared absorbing layer consuming the thermal emission given off by the microprocessors.
- 04 Rear range maximizing resonator antenna powering the chip by accumulating charge from the surrounding EMR.
- 05 Rear-facing state of the art Aires Microprocessor.

# How it works

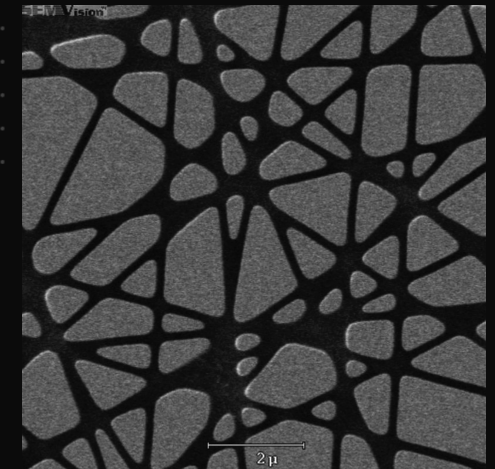
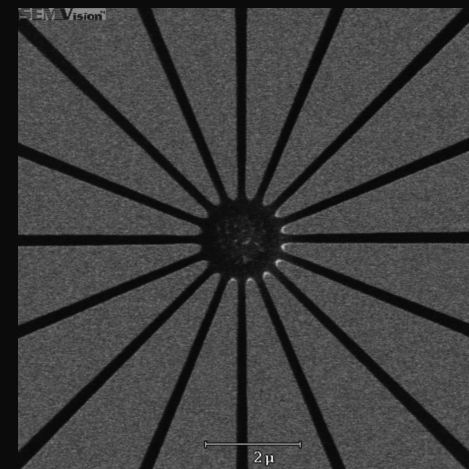
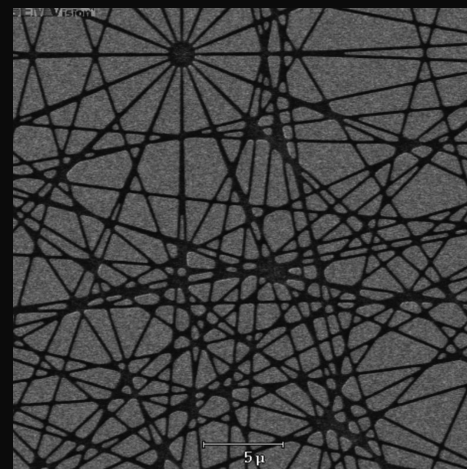
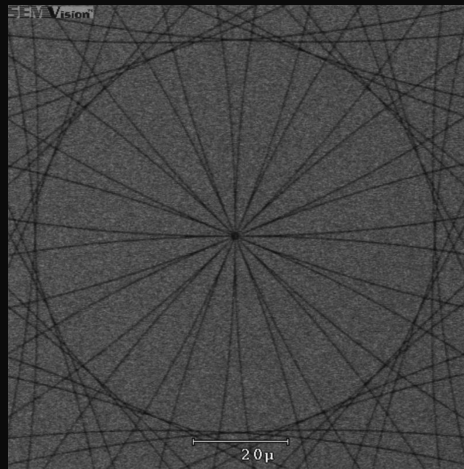
The topological circuit of the Aires patented microprocessor's resonator antenna accumulates charges. A cell phone's or other electronic device's "electromagnetic impulse generator" serves as the source of these charges. When an excess charge (polarization) has built up, it is automatically redistributed to the Aires microprocessor, which uses the charge to cause a coherent transformation of the field in the form of a hologram – made up of regularly alternating maxima and minima. The hologram interacts with external radiation, restructuring and transforming the EMF haze into a more biologically-compatible form, thus reducing the conflict between the external radiation and the radiation from the human body's cells.



# 5G Compatibility

Aires has rolled out 4 new products with focus on the 5G frequency range. The new chips are not only backwards compatible with the current electromagnetic wave spectrum, but will offer increased performance in non-5G applications.

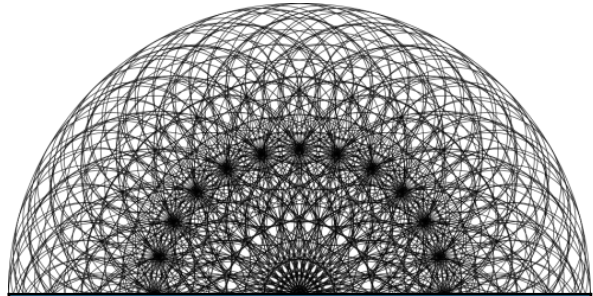
Actual images from an electron microscope scan of the new circular diffraction lattice etched on the surface of new processors in development with 0.2nm architecture



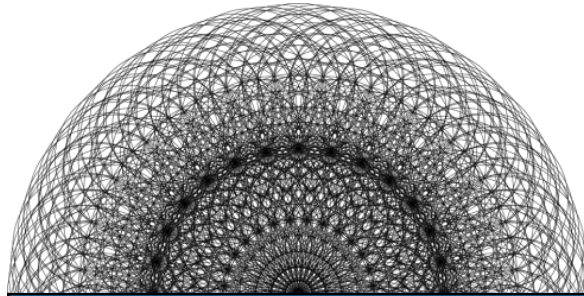


# Circular Diffraction Lattices

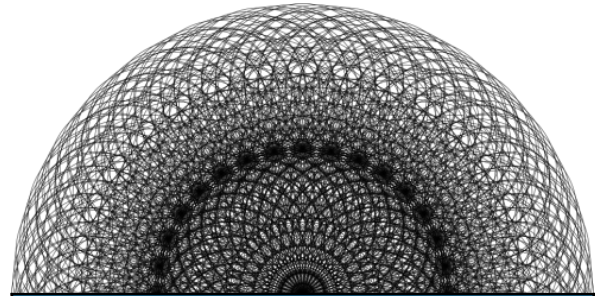
The new product lineup utilizes 3 distinct Microprocessors.



<b>C16S</b>	
Diameter of microprocessor circuit	0.007 m
Number of elements in the topological circuit	83521
Fractal vectors	16
Device size	0.017 m
Radius of the maximum effective zone of influence	0.102 m
Intensity of the EM field in the maximum effective zone	162 W/m <sup>2</sup>



<b>C28S</b>	
Diameter of microprocessor circuit	0.018 m
Number of elements in the topological circuit	707281
Fractal vectors	28
Device size	0.054 x 0.085 m
Radius of the maximum effective zone of influence	0.324 m
Intensity of the EM field in the maximum effective zone	356 W/m <sup>2</sup>



<b>C32S</b>	
Diameter of microprocessor circuit	0.018 m
Number of elements in the topological circuit	1185921
Fractal vectors	28
Device size	0.065 x 0.12 m
Radius of the maximum effective zone of influence	0.39 m
Intensity of the EM field in the maximum effective zone	603 W/m <sup>2</sup>

## Antenna Manufacturing

The Base Resonator Antenna is a Printed Circuit Board (PCB) made using Gold Immersion technology and manufactured by Evergreen PCB in Hong Kong.



## Packaging & Assembly

Package printing and assembly of all products in ready-to-deliver form takes place in Vilnius, Lithuania by Aireslita UAB.

**Aireslita**

## Microprocessor Manufacturing

The Aires microprocessors are made from Monocrystalline Silicon by:

**ON Semiconductor Corporation**  
(NASDAQ: ON)



## Manufacturing 2020+

The Aires microprocessors will soon be manufactured by Hua Hong Semiconductor Limited ("Hua Hong Semiconductor")

**HH Grace**





The patents  
+  
The research

# Patents

20 Industrial design patents: US, CANADA, UK, EU and Russia  
6 Invention patents: Russian Federation.





## Peer Reviewed Studies

6 Peer reviewed studies confirming the effectiveness of Aires products. See Appendix A for all peer reviews

In conclusion, we find this Research Report to be impressive, well-conducted and expressed to represent real, in-vivo conditions associated with portable wireless technology devices and their effects on the CNS through interaction with brain activity, as well as an explanation of the nature of the effectiveness of the Aires technology to re-adjust compatibly such affectation into more “normal” conditions. The nature of the findings are aligned with the clinical observations Neurophysiological and Neuroscience experts worldwide, generally since a decade or so into brain processing of “information”.

This study’s results demonstrate the effectiveness of Aires technology in reducing the deleterious affectation from portable wireless technology devices associated with the central nervous system via brain activity.





# Trials & Research Papers

[CELL RADIO TELEPHONES' ELECTROMAGNETIC RADIATION INFLUENCE ON BIOLOGICAL OBJECTS AND THE ESTIMATION OF AIRES NEUTRALIZER OF ELECTROMAGNETIC ANOMALIES USE EFFICIENCY](#)

[INFLUENCE OF ELECTROMAGNETIC RADIATION OF CELLULAR RADIO TELEPHONES ON BIOLOGICAL OBJECTS AND EFFICIENCY](#)

[THE PROBLEM OF ELECTROMAGNETIC POLLUTION OF THE ENVIRONMENT](#)

[INFLUENCE OF ELECTROMAGNETIC RADIATION OF CELLULAR RADIO TELEPHONES ON BIOLOGICAL OBJECTS AND EFFICIENCY](#)

[THE NEW PHENOMENON OF DISCRETE FORMATION OF DROPS OF NEMATIC LIQUID CRYSTALS, INDUCED BY FRACTAL-ARRAYED RESONATORS](#)

[AIRES BROADBAND COHERENT TRANSFORMERS \(A NEW METHOD TO OBTAIN COHERENT ELECTROMAGNETIC RADIATION\)](#)

[ELECTROMAGNETIC PROBING OF BIOLOGICAL MEDIA](#)

[THEORETICAL AND EXPERIMENTAL STUDIES OF DIFFRACTION AND POLAROID PROPERTIES OF OPTICAL TRANSPARENCIES AND MATRICES BY AIRES NMTF WITH A FRACTAL PATTERN ON PHOTOMASKS RESEARCH WORK CODE](#)

[DEVELOPMENT OF OPTICAL SYSTEMS AND GUIDELINES FOR MAKING INTERFEROMETRIC AND POLAROID DEVICES WITH PRESET INTENSITY DISTRIBUTION ON TRANSPARENCY MATRICES WITH A HIGH-DENSITY FRACTAL PATTERN](#)

[RESEARCH OF HIGH FREQUENCY ELECTROMAGNETIC RADIATION EFFECT AND AIRES RESONATORS INFLUENCE ON BEHAVIOR, GENETIC AND EPIGENETIC PROCESSES IN CELLS OF CENTRAL AND PERIPHERAL ORGANS](#)

[EVALUATION OF INFLUENCE OF AIRES FRACTAL-MATRIX STRUCTURIZERS \(FMS\) ON GROWTH OF E.COLI AND S. AUREUS MICROORGANISM COLONIES](#)

[STUDY OF EFFECT OF THE AIRES FRACTAL RESONATOR ON THE STATE OF ERYTHROCYTES IN HUMAN BLOOD](#)

[RESEARCH ON AIRES DEFENDER'S INFLUENCE ON THE VARIABILITY OF HEART RHYTHM](#)

[CASE STUDY: EFFECT OF RADIO FREQUENCY RADIATION \(RFR\) AND THE AIRES DEFENDER INFINITY ON ENDOGENOUS ELECTROMAGNETIC ENERGY OF A 46-YEAR-OLD HEALTHY FEMALE](#)

[INFLUENCE EXERTED BY "AIRES" ELECTROMAGNETIC ANOMALIES NEUTRALIZER ON CHANGES OF EEG PARAMETERS CAUSED BY EXPOSURE TO THE ELECTROMAGNETIC FIELD OF A MOBILE TELEPHONE](#)

[EVALUATION OF THE EFFECTIVENESS OF USING AIRES SHIELD ELECTRONIC ANOMALY NEUTRALIZERS TO REDUCE THE NEGATIVE INFLUENCE OF A CELLULAR PHONE'S ELECTROMAGNETIC FIELD](#)

[INVESTIGATION OF THE PROTECTIVE ACTION OF THE AIRES MICROPROCESSOR AGAINST THE EFFECT OF ELECTROMAGNETIC RADIATION ON THE STRUCTURAL STATE OF AN AQUEOUS ENVIRONMENT](#)

[TESTING OF ELECTROMAGNETIC RADIATION RESONATOR-CONVERTER PROTOTYPE PHASE 1 REPORT](#)

[TESTING OF ELECTROMAGNETIC RADIATION RESONATOR-CONVERTER PROTOTYPE PHASE 2 REPORT](#)

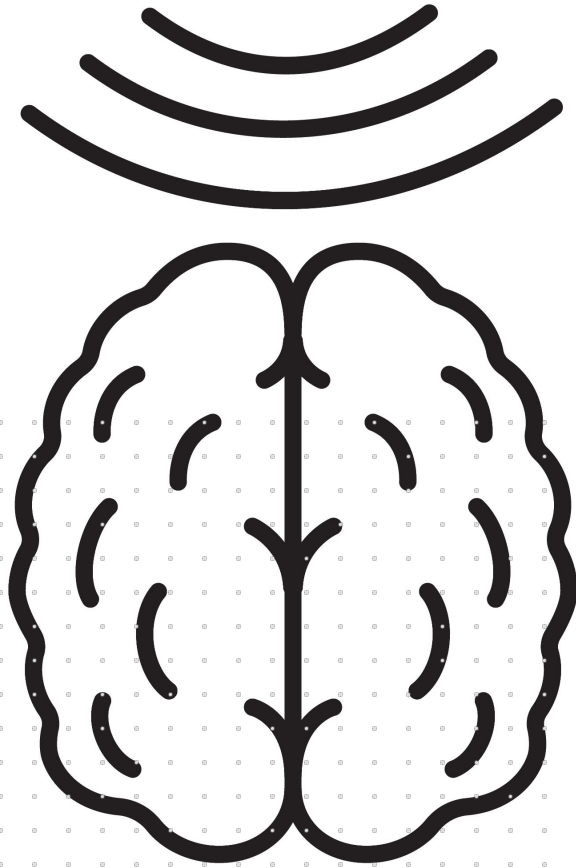




# Electromagnetic radiation

# Watch Generation Zapped





# What is electromagnetic radiation?

Electromagnetic radiation (EM radiation or EMR) refers to the waves (or their quanta, photons) of the electromagnetic field, propagating (radiating) through space, carrying electromagnetic radiant energy. It includes radio waves, microwaves, infrared, (visible) light, ultraviolet, X-rays, and gamma rays.

[https://en.wikipedia.org/wiki/Electromagnetic\\_radiation](https://en.wikipedia.org/wiki/Electromagnetic_radiation)





# Increasing connectivity and worldwide usage trends

We are surrounded by exposure to Electromagnetic Radiation (EMR) in our everyday lives. Usage of internet, cell phones and tablets has drastically increased over the years in large part due to the use of social media platforms such as Twitter, Instagram and Facebook. As cell phones and tablets become “smart computers” people are using their devices over 4 hours per day.<sup>1</sup> In addition, the Internet has become part of our everyday routine and Wi-Fi exposure has significantly increased causing a major increase to EMR.

<https://hackernoon.com/how-much-time-do-people-spend-on-their-mobile-phones-in-2017-e5f90a0b10a6>

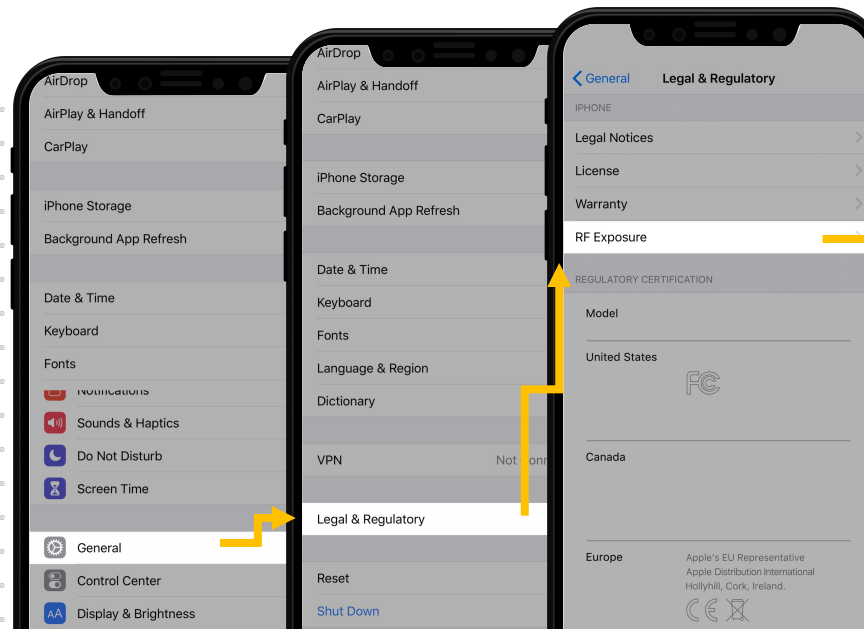


# A known problem being underreported?

The iPhone has a radiation warning deep in the “Legal” section of its “General” menu. The warning is present on many cell phones manufactured today, often suggesting to not bring the phone in direct contact with the user’s head.

Samsung's Specific Absorption Rate testing only falls within acceptable limits when tests are done 1.5 cm away from the phone. “Body-worn SAR testing has been carried out at a separation distance of 1.5 cm. To meet RF exposure guidelines during body-worn operation, the device should be positioned at least this distance away from the body.”

[http://www.samsung.com/sar/sarMain?site\\_cd=uk&prd\\_md1\\_name=SM-G950W&selNatCd=CA&languageCode=EN](http://www.samsung.com/sar/sarMain?site_cd=uk&prd_md1_name=SM-G950W&selNatCd=CA&languageCode=EN)



**RF Exposure**

iPhone has been tested and meets applicable limits for radio frequency (RF) exposure.

Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. The SAR limit is 1.6 watts per kilogram in countries that set the limit averaged over 1 gram of tissue and 2.0 watts per kilogram in countries that set the limit averaged over 10 grams of tissue. During testing, iPhone radios are set to their highest transmission levels and placed in positions that simulate uses against the head, with no separation, and when worn or carried against the torso of the body, with 5mm separation.

To reduce exposure to RF energy, use a hands-free option, such as the built-in speakerphone, the supplied headphones, or other similar accessories. Cases with metal parts may change the RF performance of the device, including its compliance with RF exposure guidelines, in a manner that has not been tested or certified.

SAR values for this device are available at: [www.apple.com/legal/rfexposure/iPhone12,5/en/](http://www.apple.com/legal/rfexposure/iPhone12,5/en/)

Although this device has been tested to determine SAR in each band of operation, not all bands are available in all areas. Bands are dependent on your service provider’s wireless and roaming networks.

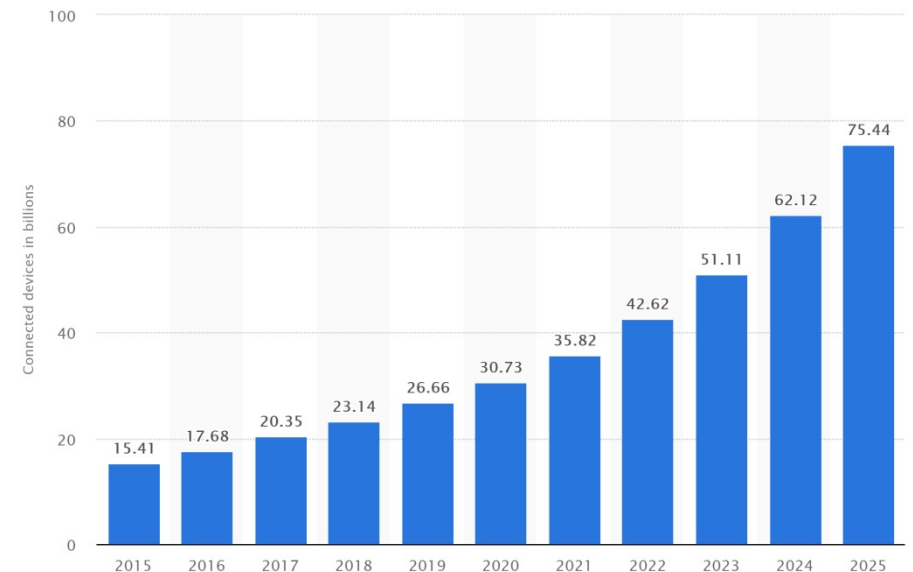
# A growing, poorly regulated concern

Safety Code 6 was created by Health Canada. Its purpose is to establish safety limits for human exposure to radiofrequency (RF) electromagnetic energy in the frequency range from 3 kHz to 300 GHz. This is the energy given off by all wireless electronic devices including, but not limited to, cell and portable phones, baby monitors, smart meters, wireless appliances, Wi-Fi and cell phone towers.

- +
 Safety Code 6 was originally created in the 1970's for the protection of federal employees and visitors to federal buildings. It has not had any major revisions in the last 30 years
- +
 It has no additional safety allowance for children, pregnant women or sensitive individuals
- +
 Does not consider the multi-hour, multi-day exposure of today; nor the cumulative effects from multiple devices

<http://c4st.org/safety-code-6/>  
<https://www.statista.com/statistics/471264/iot-number-of-connected-devices-worldwide/>

**INTERNET OF THINGS (IOT) CONNECTED DEVICES INSTALLED BASE WORLDWIDE FROM 2015 TO 2025 (IN BILLIONS)**



# Appendix A

Peer reviewed studies & review conclusions.

## **INVESTIGATION OF THE PROTECTIVE ACTION OF THE AIRES MICROPROCESSOR (AIRES SHIELD; AIRES DEFENDER; AIRES AQUACLUSTER) AGAINST THE EFFECT OF ELECTROMAGNETIC RADIATION ON THE STRUCTURAL STATE OF AN AQUEOUS ENVIRONMENT**

In conclusion, we find this Research Report to be elegant, instructive, conclusive and well-conducted. It also indicates promising new avenues of technological applications. In view of the well-established consideration of how normal states of water molecules are a reference for the well-being of living systems, and that electromagnetic effects do indeed influence the structuring of water, then this study's results demonstrate the effectiveness of Aires technology in reducing the deleterious affectation of living systems that may result from such electromagnetic fields.

**READ STUDY:** <https://www.airestech.com/studies/1.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20protective%20action%20against%20the%20effect%20of%20electromagnetic%20radiation%20on%20structural%20state%20of%20an%20aqueous%20environment%202013.pdf>

## **CALCULATION OF THE STRENGTH AND INTENSITY OF THE ELECTROMAGNETIC FIELD IN THE INTERACTION OF ELECTROMAGNETIC RADIATION AT A FREQUENCY OF 2.4 GHZ (WIFI) WITH AN AIRES C32S RESONATOR (MICROPROCESSOR) WHICH IS USED IN THE AIRES GUARDIAN (2018 MODEL)**

In conclusion, we find this Research Report to be credible and instructive. The nature of the findings are aligned with the inclusive fundamental physics and observations It also suggests further understanding of biological information systems and their processing. This study's results help explain demonstrate the effectiveness of Aires technology.

**READ STUDY:** <https://www.airestech.com/studies/18.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20EMF%20Aires%20interaction%20calculations,%20Serov,%20Korshunov,%20et%20al%20-%20August%2031,%202018.pdf>

## **INFLUENCE OF THE AIRES SHIELD ELECTROMAGNETIC ANOMALY NEUTRALIZER ON CHANGES IN EEG PARAMETERS CAUSED BY A MOBILE PHONE'S ELECTROMAGNETIC FIELD**

In conclusion, we find this Research Report to be impressive, well-conducted and expressed to represent real, in-vivo conditions associated with portable wireless technology devices and their effects on the CNS through interaction with brain activity, as well as an explanation of the nature of the effectiveness of the Aires technology to re-adjust compatibly such affectation into more "normal" conditions. The nature of the findings are aligned with the clinical observations Neurophysiological and Neuroscience experts worldwide, generally since a decade or so into brain processing of "information". This study's results demonstrate the effectiveness of Aires technology in reducing the deleterious affectation from portable wireless technology devices associated with the central nervous system via brain activity.

**READ STUDY:** <https://www.airestech.com/studies/3.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20changes%20in%20EEG%20parameters,%20Rybina%20-%20August%2017,%202018.pdf>

# Appendix A cont.

Peer reviewed studies & review conclusions.

## **RESEARCH ON AIRES DEFENDER'S INFLUENCE ON THE VARIABILITY OF HEART RHYTHM**

In conclusion, we find this Research Report to credible, instructive, consistent with and complementary to other research conducted with Aires technology. The nature of the findings is aligned with advances in the leading-edge understanding of cumulative effects in living systems. The Research Study also suggests considerable opportunity for Aires technology being applied for cases of populations subjected to considerable and extreme stress, such as first-responders, and vigilant professional groups. This study's results demonstrate an effectiveness of Aires technology in reducing adverse heart rate variability (HRV) affectionation such as from wireless technology emission on persons.

**READ STUDY:** <https://www.airestech.com/studies/19.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20EMF%20Aires%20Defender's%20influence%20on%20Heart%20Rhythm%20variability%20-%20Datova,%20Tyumen,%202013%20Oct%2031,%202018%20approved.pdf>

## **R&D: CALCULATION OF THE STRENGTH AND INTENSITY OF THE ELECTROMAGNETIC FIELD IN THE INTERACTION OF ELECTROMAGNETIC RADIATION AT A FREQUENCY OF 6 GHZ (WIFI 5G) WITH AN AIRES C20S5G RESONATOR (MICROPROCESSOR), WHICH IS USED IN THE AIRES CRYSTAL (2019 MODEL)**

We recognize that the simulation described in the reports is credible and its mathematical factoring is in line with classical superposition physics. It indicates the exceptional efficiency of the Aires Crystal C20S5G microprocessor resonator interaction with 5G technology emissions. The interaction results in coherent, harmonizing signaling and certain configurations associated with classical superposition. These account the reported causality of biological benefits. They also suggest extraordinary opportunities in optics and computing.

**READ STUDY:** [https://www.airestech.com/studies/Report\\_C20S5G\\_6HGz.pdf](https://www.airestech.com/studies/Report_C20S5G_6HGz.pdf)

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20Calculation%20of%20the%20strength%20Aires%20C20S5G%20resonator's%20EMF%20interaction%20with%206GHz%20and%2028GHz%20-%20I%20Serov%20-%20Jan%20%2014%202019.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20Calculation%20of%20the%20strength%20Aires%20C20S5G%20resonator's%20EMF%20interaction%20with%206GHz%20and%2028GHz%20-%20I%20Serov%20-%20Jan%20%2014%202019.pdf>

## **R&D: CALCULATION OF THE STRENGTH AND INTENSITY OF THE ELECTROMAGNETIC FIELD IN THE INTERACTION OF ELECTROMAGNETIC RADIATION AT A FREQUENCY OF 28 GHZ (WIFI 5G) WITH AN AIRES C20S5G RESONATOR (MICROPROCESSOR), WHICH IS USED IN THE AIRES CRYSTAL (2019 MODEL)**

We recognize that the simulation described in the reports is credible and its mathematical factoring is in line with classical superposition physics. It indicates the exceptional efficiency of the Aires Crystal C20S5G microprocessor resonator interaction with 5G technology emissions. The interaction results in coherent, harmonizing signaling and certain configurations associated with classical superposition. These account the reported causality of biological benefits. They also suggest extraordinary opportunities in optics and computing.

**READ STUDY:** [https://www.airestech.com/studies/Report\\_C20S5G\\_28HGz.pdf](https://www.airestech.com/studies/Report_C20S5G_28HGz.pdf)

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20Calculation%20of%20the%20strength%20Aires%20C20S5G%20resonator's%20EMF%20interaction%20with%206GHz%20and%2028GHz%20-%20I%20Serov%20-%20Jan%20%2014%202019.pdf>

**READ PEER REVIEW:** <https://www.airestech.com/peer-reviewed/pace%20-%20aires%20opinion%20-%20Calculation%20of%20the%20strength%20Aires%20C20S5G%20resonator's%20EMF%20interaction%20with%206GHz%20and%2028GHz%20-%20I%20Serov%20-%20Jan%20%2014%202019.pdf>



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