



21/02/2021

To:
Biopharmax group,

Report of measurement the density of radio transmission in RF frequencies and level of measurements of the magnetic field flux density (from electrical power systems)

The radiation measurements around the Air Purifier Unit in the frequency ranges are listed below

- A. Magnetic flux in the field of frequencies (Extremely Low Frequency) ELF From the power grid
- B. Radiation radiated from transmission sources in Radio Frequencies (RF).
- C. Test for the possibility of light emission from a UV source outside the installed envelope.

The device power supply model ASM-500: 0.5 KW, power supply of the device is located at the bottom of the device with a blower, filters and UV lamps closed in a sealed package for light emission and a unit for spraying probiotic bacteria.

The measurements were performed within 3 different levels of blower air flow operated: 50%, 60% and 100%.

In the three operating modes, the power density levels in the RF cellular domains and the magnetic field flux density levels at ELF frequencies were measured.

The list below summaries the tests performed, the results of the measurements and data summary.

1. Details of the ordered of the measurement:

Applicant Name.	.Biopharmax Group Ltd.
Address.	Hasadnaot 4 Hertzelia – Israel.
Tel.	.09-9716180
Address of the place of measurements.	Hasadnaot 4 Hertzelia – Israel.
Type of measurements.	Level measurements of the density of radio transmission power in the field of RF frequencies. Measurement of the magnetic field flux density at ELF (electric power grid) frequencies.



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2. Details of the measurement operation:

Name of the operation person	Leeor Bresler
RF permit number	5215-01-6
RF permit validity	25.07.2023
ELF permit number	5215-01-4
Validity of the ELF permit	03.05.2023

3. Type of measuring instruments:

Type and model of the measuring instrument –ELF.	TENMARS TM-192D
Instrument S.N	180500799
Calibration validity.	16.12.2022
Calibration laboratory.	TENMARS ELECTRONICS. LTD
ELF measuring range.	(30-2000) Hz

Type and model of RF measuring	TENMARS TM-196
Instrument S.N	190600021
Calibration validity	13.12.2022
Calibration laboratory	TENMARS ELECTRONICS. LTD
RF measurement range	10Mz~8GHz

4. אפיון שיטה ומיקום המדידה:

Description of the environment of making the measurements.	Rainy and cold weather, 14 degrees, check-in time - 09: 30.
Description of RF field source, ELF.	Wireless transmission and power grid.
The measurement process.	Slow scan at a height varying between 1 m to the height of the stay and in front of the radiation sources. The high value obtained is recorded as a result.

4. Results for making measurements

A. In the RF field

In all off or on modes and three modes Low levels were measured around the device Lower than $0.1 \mu\text{w} / \text{Cm}^2$ that meets the strict regulations of the Israeli Government Ministry of Environmental Protection. That can be assigned to the Backup Level

B. In the ELF field

In all off or on modes and three MODES)) Low levels were measured around the device Lower than 4 mGauss who meets the strict threshold for the working age group over 15 according to the Israeli Government Ministry of Environmental Protection. Maximum level measured at the rear front at a height of 40 cm



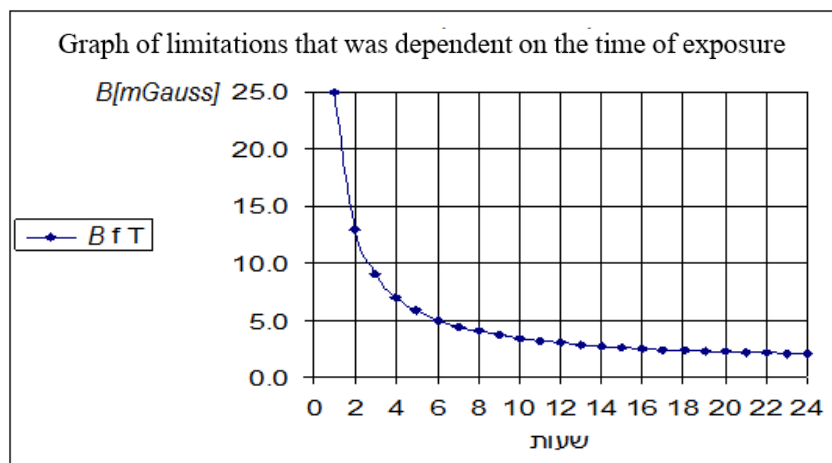
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C. Formulas and graphs of magnetic flux exposure levels are allowed as a function of hours spent

.For the general public in places where it may have been continuous
The allowable exposure level X [mGauss] will be calculated depending on the exposure time T according to the following formula:

$$B = (24/T) + 1 \rightarrow T = 24 / (B - 1)$$

24	12	8	7	6	5	4	3	2	1	<i>Permitted exposure hours T</i>
2.0	3.0	4.0	4.4	5.0	5.8	7.0	9.0	13.0	25.0	<i>Permitted exposure level B [mGauss]</i>





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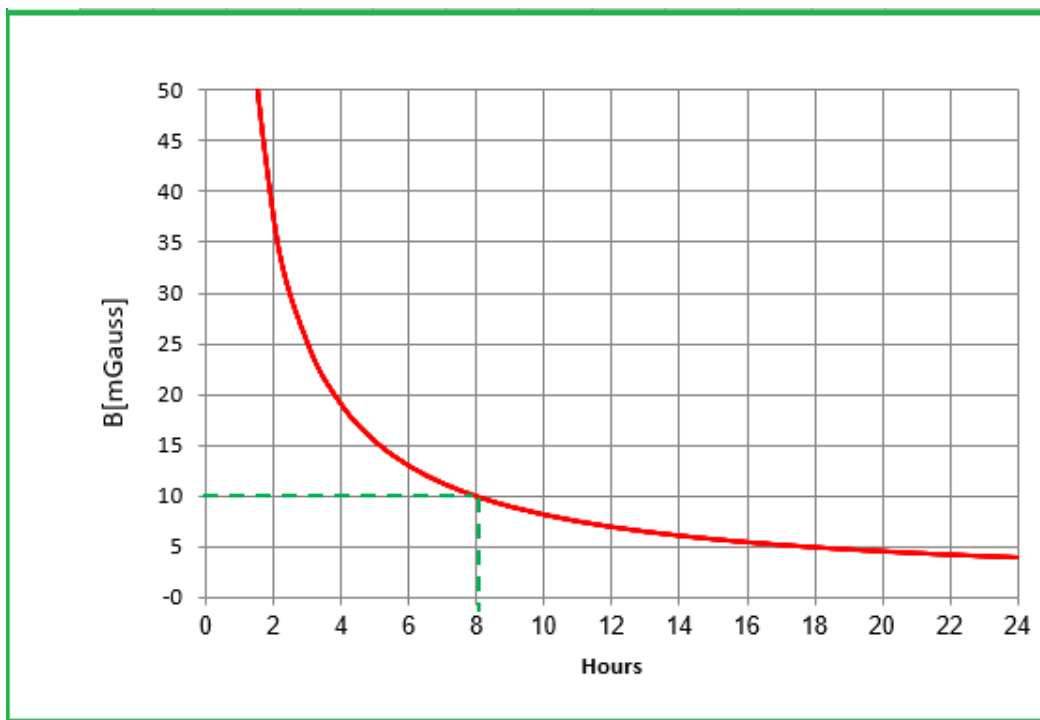
For the employers in places where it may have been continuous.
The allowable exposure level X [mGauss] will be calculated depending on the exposure time T according to the following formula

$$T_{[H]} < 72 / (B[mGauss]-1)$$

			8										H	Permitted exposure hours T
2	4	6	8	10	12	14	16	18	20	22	24		B [mGauss]	Permitted exposure level B [mGauss]
37	19	13	10	8.2	7	6.1	5.5	5	4.6	4.3	4			

Function/ (exposure) Limits: $T_{[H]} > 1_{[H]}$ and $B > 1_{[mGauss]}$

Graph of hours that allowed for employer public depending on exposure level



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Photos from the location of the measurements

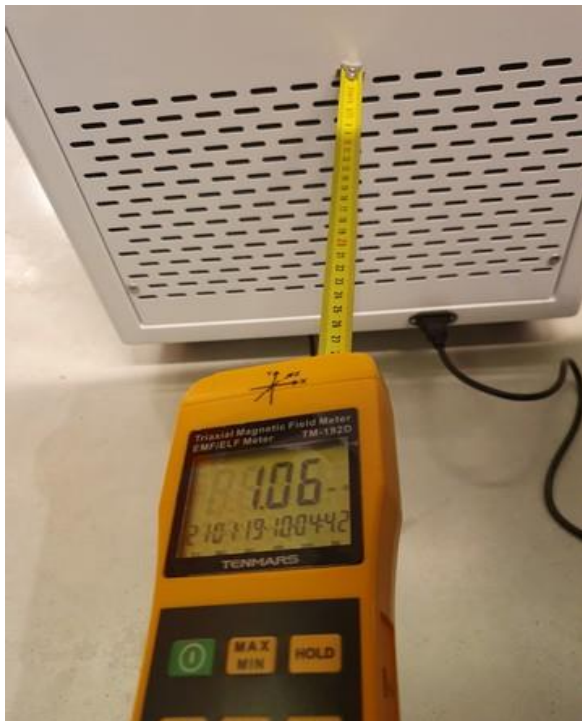
Device image



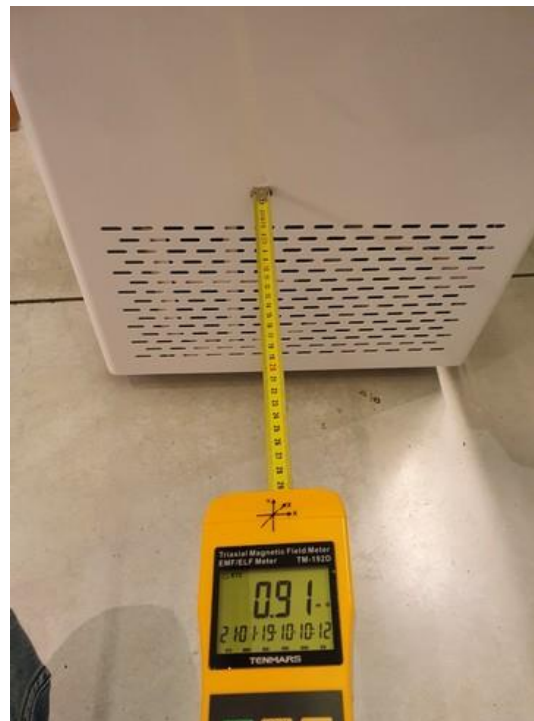
Value obtained at the front (ELF)



Rear Front Value (ELF) Value



Value obtained on the right (ELF)





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Summary and Conclusions:

1. In power density measurements in the RF fields, the level of radiation measured at all points is lower than the environmental threshold in populated areas, which is less than 10% of the health threshold set by the World Health Organization.
2. In the measurements of magnetic fields in the field of ELF, no deviations from the exposure threshold recommended by the Ministry of Environmental Protection were found.
3. The UV sources are trapped inside a metal casing that prevents light from being emitted outside the device, so that there is no exposure to the public in the vicinity of the device.
4. In any situation of treatment with UV sources, UV wavelength goggles must be provided.

Sincerely
CEO
Arye Guigui

GigiTech Enviromental technology