

Magnetotelluric research, Jun 2016, mission: “Visoko - Ravne2”, Visoko, BiH (Partial, the most interesting findings¹)

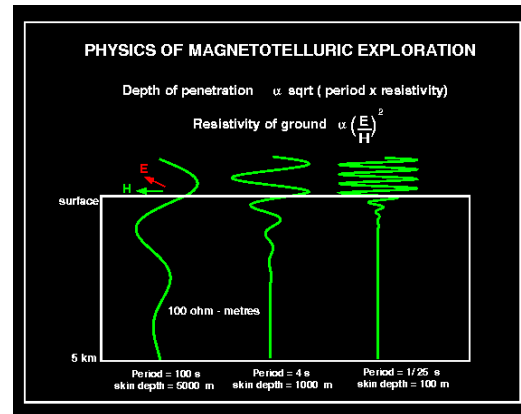
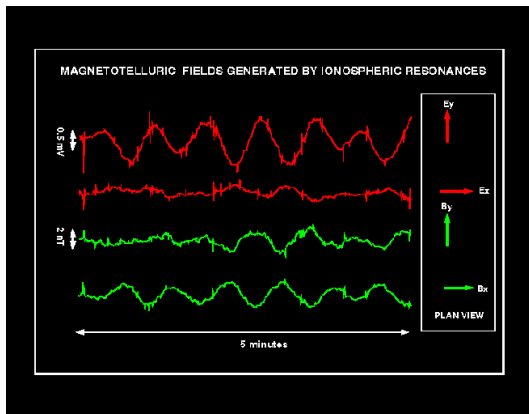
Equipment:

1. Teslameter TM 40 [H_{50Hz} , nT]
2. Trifield meter, 100XE [H , mG; E , V/m]
3. Digital multimeter Mastech MS8229 [T , °C; Hum , %; Noi , dBrel]
4. VF-Broadband amplifier, IB Mraz, “E”-sensor: rod antenna, $l = 30$ cm; “H”- sensor: open coil antenna; “M”-sound sensor: “Knowles” Piezo Ceramic ST Microphone (BL series)
5. Digital storage oscilloscope with FFT, 3202A, 200 MHz, 1GSa/sec
6. S-meter, Bedini version of Dea/Faretto detector, IB Mraz, [S_c , Ampl., % deflection]
7. Experimental life energy meter, Heliognosis model LM3, [O_r , Range, Fine, Coarse, % deflection]

Note 1: EM spectrum varies slightly, the signals are changeable in amplitude and frequency, except ordinary signals generated by measuring equipment (Inverter/ Oscilloscope switch + sampling rate, etc).

Measurement Method:

Magneto Telluric (MT) and Audio Magnet Telluric (AMT) methods /ref. 1/ are a electromagnetic methods that measures variations in the earth's surface electromagnetic fields at different frequencies.



It samples the electric and magnetic fields in the low (IF-Audio-UF) frequency range. Sources of the MT/AMT signals may be either artificial or natural.

Solar energy and lightning cause natural variations in the earth's magnetic field, inducing electric currents (known as telluric currents) under the Earth's surface. Earth currents arise from both natural and man-made sources, including the magma in the earth's core and the normal distribution and use of electricity. Combined, these phenomena create strong magneto telluric source signals over the ULF/LF frequency spectrum.

MT measurements can investigate depths down to hundreds of kilometers. Greater depth requires measuring lower frequencies, which in turn requires longer recording times. Very deep, very long-period measurements (mid-crust through upper mantle depths), may require recordings of several days to weeks or more to obtain satisfactory data quality. AMT is a higher-frequency magneto telluric technique for shallower investigations. While AMT has less depth penetration than MT, AMT measurements often take only about one hour to perform (but deep AMT measurements during low-signal strength periods may take up to 24 hours) and use smaller and lighter magnetic sensors.

Magnetic fields in the frequency range of 1 Hz to approximately 20 kHz are part of the audio-magneto telluric (AMT) range. These are parallel to the Earth surface and move towards the Earth's centre. This large frequency band allows for a range of depth penetration from several meters to several kilometers below the Earth's surface. Due to the nature of magneto telluric source, the waves generally fluctuate in amplitude height. Long recording times are needed to ascertain usable reading due to the fluctuations and the low signal strength.

The multidirectional MT sounding, performed on different locations can clearly indicate a different ratio of the electric to magnetic field and their phase shifting caused by the different speeds of propagation, pointing in that way to different subsurface areas mechanical, magnetic and electric conductivity, i.e. its anisotropy and in fact - its structure.

¹ Complete measurements data as well as 176 recordings of Fast Fourier Transform analysis of the Energetic field frequency spectrums - taken on 8 locations and 21 partial measurement analysis are stored in the G.Marjanovic database.

Measuring values:

The research include the recording of electromagnetic and mechanical energy spectra, are performed on magnetotelluric method in the frequency range from extremely low to medium frequencies (25 mHz – 50 kHz) for electric and/or magnetic phenomena.

Measuring of mechanical vibrations covers an area of infrasound, audio and ultrasound range. For these measurements we used the conventional devices numbered as 1. to 5. in the list of measuring equipment.

In addition to these measurements the detection of the presence of scalar fields was performed by "S-meter" (6). Investigations of unconventional energy fields, as "Orgone energy" is e.g., was carried out by special alternate energy device (Eq. 7.) that is intended for scientific research into life processes.

Furthermore, at each measuring point control parameters were measured: a) presence and intensity of the "EM smog" caused by power network (50 Hz); strength of the dynamic magnetic (b), dynamic electric (c) fields and radio waves strength (d); temperature (e), humidity (f) and noise (g).

Complete measurement recordings are stored in my database but in this paper we introduce only the most interesting findings just as a illustration of ours conclusions.

Previous Measurements:

For comparison with the latest explorations, here are some measurements performed previously in the scientific research mission: "Visoko", **September 2014**,

- **Location1: Plateau, entrance in Ravne tunnels**, and
- **Location 2: Pyramid of the Sun, top, beam-center**.

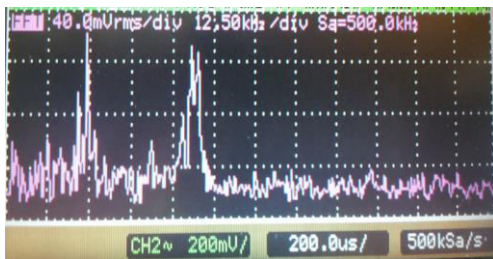
Measured values:

Plateau: $H_{50\text{Hz}} = 20 \text{ nT}$, $H = 0.8 \text{ mG}$, $E = 22 \text{ V/m}$, $T = 21 \text{ }^{\circ}\text{C}$, $\text{Hum} = 50 \%$, $\text{Noi} = 0 \text{ dBrel}$.

Pyr.Sun top: $H_{50\text{Hz}} = 5 \text{ nT}$, $H = 0.6 \text{ mG}$, $E = 28 \text{ V/m}$, $T = 19.8 \text{ }^{\circ}\text{C}$, $\text{Hum} = 66 \%$, $\text{Noi} = 15 \text{ dBrel}$.

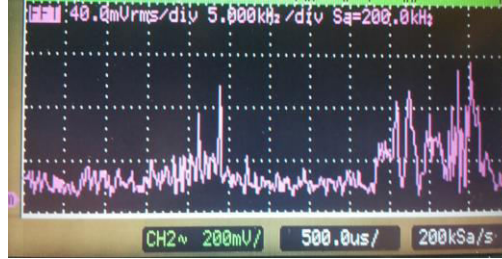
Characteristic spectrums:

1. "E" field [12.5 kHz/div], **Plateau:**



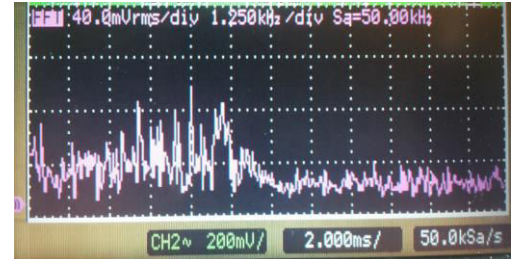
22.5, 24.5, 42.5, 55-57.5 kHz

2. "E" field [5 kHz/div], **Plateau:**



21, 24, 46, 47.5, 50, 53.5, 55 kHz

3. "E" field [1.25 kHz/div], **Plateau:**



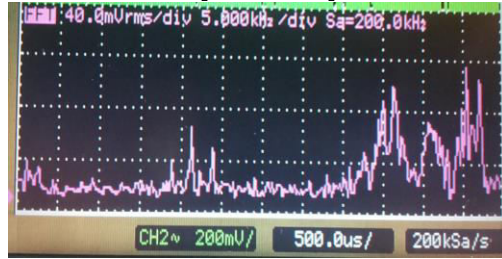
1.25- 6.7 kHz

4. "H" field [12.5 kHz/div], **Plateau:**



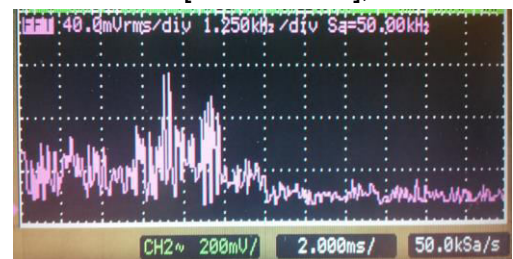
19-24, 24.5, 50, 53 [kHz]

5. "H" field [5 kHz/div], **Plateau:**



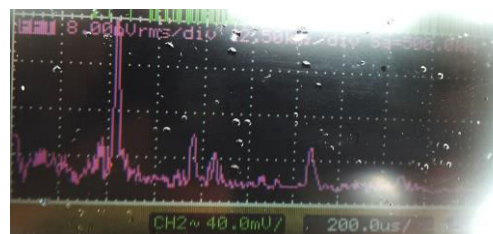
19, 21, 24, 45, 47.5, 50.5, 55, 57 [kHz]

6. "H" field [1.25 kHz/div], **Plateau:**



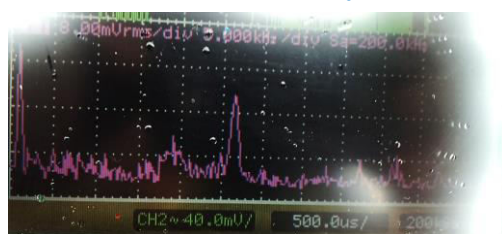
0.25 – 3.2; 4.5, 5.8 kHz

7. "H" field [12.5 kHz/div], **Pyr.Sun top:**



27.5; 47.5 52 79 [kHz]

8. "H" field [5 kHz/div], **Pyr.Sun top:**



19, 26.5 [kHz]

9. "E" field [1.25 kHz/div], **Pyr.Sun top:**



7.8 [kHz]

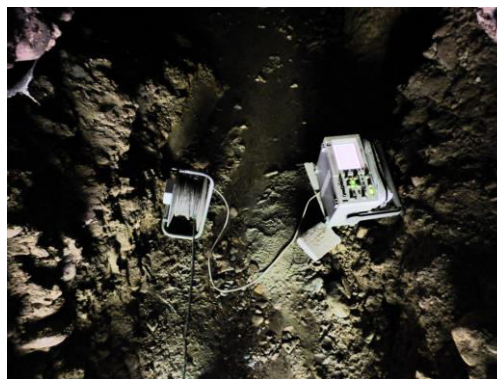
Complete analysis of previous scientific research mission: "Visoko, September 2014" is available on the website of the BPS Foundation (<http://piramidasunca.ba/eng/>) and here we emphasize only the most important details.

Recordings 1-3 illustrated the electrical activity in frequency bands that include area of low (LF; 30-300kHz), very low (VLF, 3-30 kHz) and ultra low frequency (ULF; 0.3-3 kHz) and the recordings 4- 6 shows the frequency spectra of magnetic activity in same frequency spectrums. Recordings 7 and 8 shows the magnetic activity registered at the top of the Pyramid of the Sun, in the center of the "energy beam" (Mizdrak @ All) during scientific research mission: "Visoko", September 2014. On the recordings is clearly seen the presence of (controversial) signal with frequency of 27.5 kHz, but - on the recording of the same part of the frequency spectrum, using identical apparatus and probes at "Plateau, entrance in tunnels Ravne", there is no signal with that frequency.

This fact could hardly be explained by considering it from the aspects of conventional EM theory because EM wave with frequency of 27.7 kHz, during propagation in vacuum (and approximately in air) have the wavelength of about 10.8 km and the distance of this locations is about 2.5 km! The concentration of EM radiation in the "beam" with diameter of only 5 m is even more controversial fact which indicates the complexity of the energy phenomena registered on the top of the Pyramid of the Sun.

Recent measurements:

Location 1: "Ravne 2", 16.06.2016, 12.00 h.

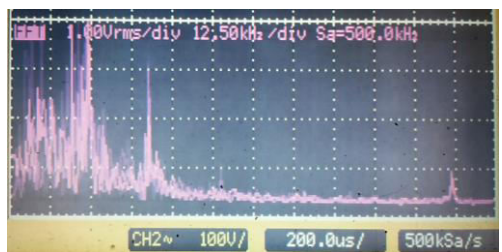


Measured values:

$H_{50\text{Hz}} = 5 \text{ nT}$, $H = 0.7 \text{ mG}$, $E = 30 \text{ V/m}$, $T = 27^\circ\text{C}$, $\text{Hum} = 10 \%$, $\text{Noi} = -21 \text{ dBrel}$, $S_c = 10,0$; $O_r = 100,3,1,100+$

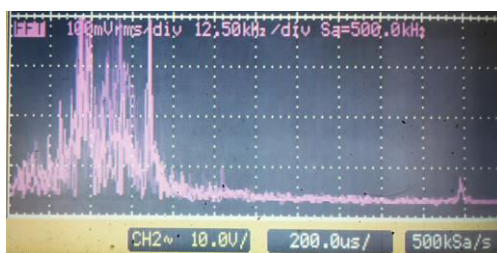
Characteristic spectrums:

10. "E" field [12.5 kHz/div], location 1:



5-12, 17.5, 20, 28, 42, 137 [kHz]

11. "H" field [12.5 kHz/div], location 1:



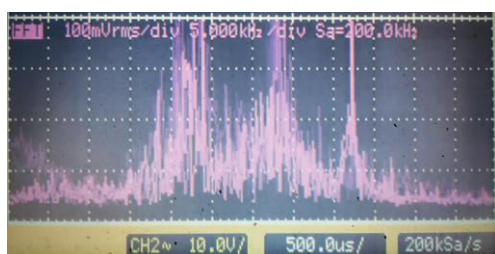
15, 22.5, 30, 35, 42.5, 137 [kHz]

12. "E" field [5 kHz/div], location 1:



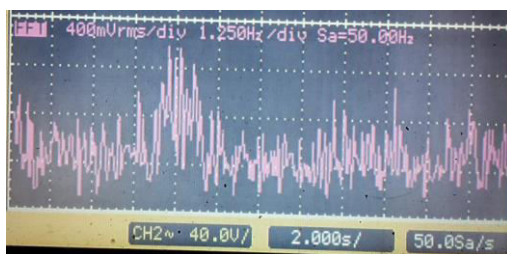
5-11, 15, 18, 24, 35, 42 [kHz]

13. "H" field [5 kHz/div], location 1:



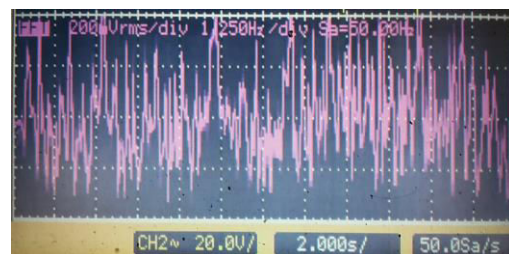
20-24, 27.5, 33-34, 42 [kHz]

14. "E" field [1.25 Hz/div], location 1:



3.7, 5, 6.2, 10, 11.5 [Hz]

15. "Mic" [1.25 Hz/div], location 1:



0.25, 15 [Hz]

Measurement analysis of ambient fields at the location 1, "Ravne 2":

- Registered dynamic electric field: $E = 30 \text{ V/m}$ is higher than usual ($\sim 20 \text{ V/m}$).

- Experimental life energy measurement on this location (Eq.7, LM 3) show quite high orgon energy level ($O_r = 100$) which is for more than 67 % ($=100/60$) higher than the average level.

Fast Fourier Transform analysis of the Electric ("E") field spectrum (pic.10) and magnetic ("H") field spectrum (pic.11) that display appropriate activities in the VLF and LF area show that electromagnetic smog signals (generated by electrical network, radio, TV etc ..) are significantly repressed and weakened. The reason for this probably is the effect of the so-called. "Faraday cage" - since the measuring position was located inside the tunnel ("cave"). However, recording 10 indicates the presence of "E" signal with frequency of 17.5 kHz, 20 kHz (Non-MT) and 28 kHz, as well as increased electrical activity in the range of 5-13 kHz, which indicates the presence of water and which is visible to the naked eye, at the tunnels "walls" in the form of moisture, and on the floor in the form of a small water flow.

What is interesting from the aspect of Tesla's technology is the fact that these signals do not appear in the magnetic domain. Recordings of the "E" fields frequency spectrum, made in something greater "resolution", point to the specificity of this location in the same sense, since at picture 12 one can see the signal of 35 kHz and a very strong signal of 24 kHz. In magnetic ("H") domain (Fig. 13) these signals are "dispersed" to "spectrum segments" of 20-24 kHz and of 33-34 kHz.

Extremely large electrodynamic ("E") activity was found in the field of extremely low frequency (ELF; 3-30 Hz) also, and is shown in Figure 14, especially about 5 Hz and the values in the frequency domain of so-called "Schuman spectrum" area. Picture 15 is very interesting also. It shows FFT (Fast Fourier Transform) analysis of the spectrum of mechanical vibrations in the same frequency segment 0.1-15 Hz, and indicate the presence of infrasound vibrations which probably originate from close watercourses.

Location 2: "Control point 1, road to Pyramid of the Moon (left side)", 17.06.2016, 10.00 h.

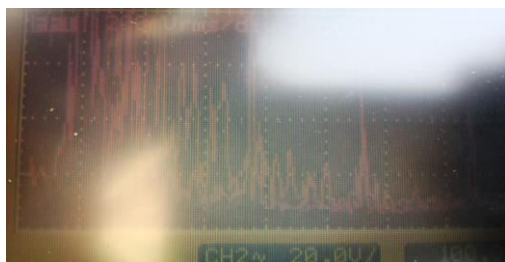
Measured values:

$H_{50Hz} = 5$ nT, $H = 0.7$ mG, $E = 45$ V/m, $T = 27.8$ °C, Hum = 22 %, Noi = -8 dBrel, $S_c = 8,0$; $O_r = 100,3,1,60$.

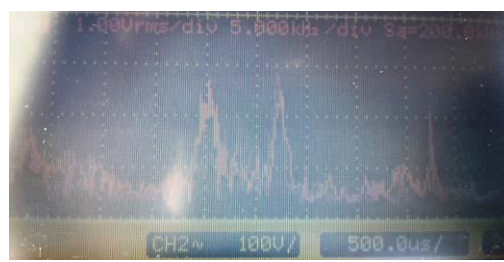
Note 2: Due to strong sunlight oscilloscope screenshots are fairly bad - but still readable.

Characteristic spectrums:

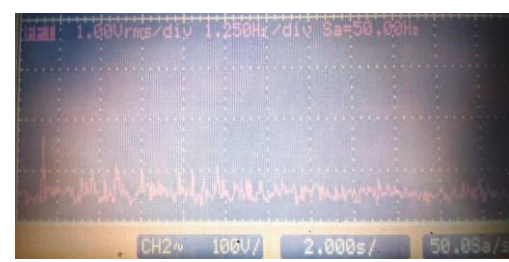
16. "E" field [25 kHz/div], location 2:



17. "E" field [5 kHz/div], location 2



18. "H" field [1.25 Hz/div], location 2:



Measurement analysis of ambient fields at the location 2, "Control point 1":

- Registered dynamic electric field: $E = 45$ V/m is higher than usual (~ 20 V/m).
- Experimental life energy measurement on this location (Eq.7, LM 3) show usual, average, orgon energy level ($O_r = 60$)

"E" field spectrum in VLF and LF range recorded at this location (Figure 16), shows that this area is completely non-resonant. However, comparing the recording of VLF signals in the "E" domain registered here and shown at picture 17 with a spectrum registered at the site: "Plateau, entrance in Ravne tunnels (pic.2), what can be seen is slightly increased activity in the frequency segment of 7-10 kHz, also the signal of 27 kHz that is not registered on the Plateau.

"H" fields spectrum recording (pic.18) in the ELF domain, points to complete EM "silence" and thus to the absence of significant subtle energy flows at this location. This is corroborated by the measured value (Eq.7, LM 3) of orgone energy ($O_r = 60$), that is within the limits of average value.

Location 3: "Pyramid of the Moon", 17.06.2016, 11.15 h.

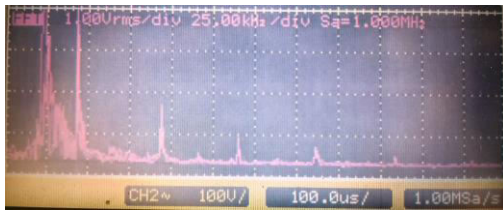
Measured values:

$H_{50Hz} = 4$ nT, $H = 0.6$ mG, $E = 23$ V/m, $T = 17$ °C, Hum = 15 %, Noi = -6 dBrel, $S_c = 10,0$; $O_r = 100,3,1,65$.

Note 3: Due to very strong wind, sound measuring was not possible. According to subsequent investigations of S.Nadjfeji, measurement position was about 500 meters from the midpoint of the hill.

Characteristic spectrums:

19. "E" field [25 kHz/div], location 3:



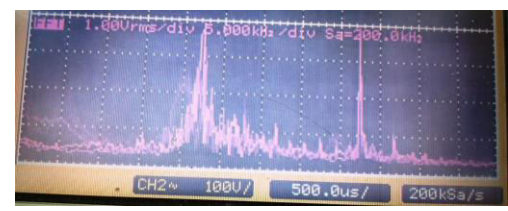
25, 45, [kHz]

20. "E" field [12.5 kHz/div], location 3:



3.5, 20, 28 40, 42.5 [kHz]

21. "E" field [5 kHz/div], location 3:



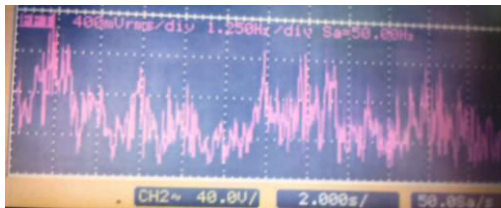
22, 27 42, 47 [kHz]

22. "H" field [5 kHz/div], location 3:



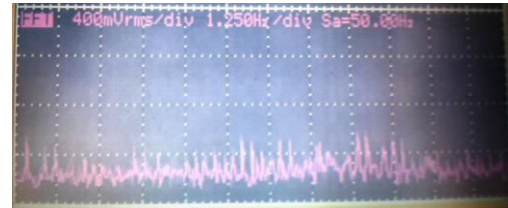
7, 16, 20, 28 [kHz]

23. "E" field [1.25 Hz/div], location 3:



1.2, 3.5, 7.5, 9.2 12.5 [Hz]

24. "H" field [1.25 Hz/div], location 3:



0.25 15 [Hz]

Measurement analysis of ambient fields at the location 3, "Pyramid of the Moon":

- Registered dynamic electric field: $E = 23 \text{ V/m}$ is slightly higher than usual ($\sim 20 \text{ V/m}$).
- Experimental life energy measurement on this location (Eq.7, LM 3) show average orgone energy level ($O_r=65$). The reason is probably that measuring point was about 500 meters from the midpoint of the hill.

The recording of the "E" field spectrum in VLF and LF range (pic.19) is characteristic for the "open space" locations without "EM smog". Except signals that are arithmetic multiples of a signals that originate from the measuring equipment, the footage shows the electrically active area with a central frequency of 25 kHz. This is given in more detail on the recording 20, with the increased "resolution", which shows the presence of a signal of 28 kHz and a very strong signal with frequency of about 20 kHz that is not MT signal. More accurate measurement, shown in Fig 21, shows that the value of this signal is 22 kHz. It is very interesting that in the same (ULF/VLF) band - but in a magnetic domain (Fig. 22) – next to signal of 21 kHz, also appears the signal of 7 kHz - which is a double frequency of 3.5 kHz, which is frequency of the first signal in the „E" domain, then signals of 16 kHz and 28 kHz, which are all close arithmetic multiples of 7 kHz signal. Bearing in mind that power installations (i.e. man made apparatus) mainly generate incorrect (non-sinusoidal), pulse shaped signals, whereby the ratio of harmonics have to be exponential – regarding the registered "E" and "H" spectra disagreement here, we can assume the presence magnetodynamic vibrations whose structure is close to the so-called "Non-Hertzian" or longitudinal waves, in the terminology of Tesla's technology.

Incomplete signal pattern, that are typical kind of form which constitute a scalar fields is a result of the insufficiently correct geometry of this object - or - the fact that the measurement was not carried out in a central position at the top of the hill. This is supported by the fact the measured orgone energy value on this measuring point was ($O_r = 65$) close to the average value.

However, the fact that this object is a facility with accentuated unconventional-energy phenomenology is showed at the ELF fields measurements recording 23, where the situation is quite the opposite! On this picture, that illustrate the ELF part of the electric spectrum, it can be clearly seen a great electrodynamic activity - unlike at a magnetic domains (Fig. 24) of the same frequency segment where there is no visible any activity!

Location 4: "Bell tower, 3.rd opening", 17.06.2016, 13.02 h.

Measured values:

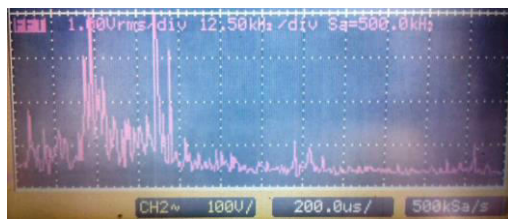
$H_{50\text{Hz}} = 5 \text{ nT}$, $H = 0.7 \text{ mG}$, $E = 15 \text{ V/m}$, $T = 30.4 \text{ }^\circ\text{C}$, $\text{Hum} = 10 \%$, $\text{Noi} = -15 \text{ dBrel}$, $S_c = 10,2$; $O_r = 100,3,4,95$.

Characteristic spectrums:

25. "E" field [12.5 kHz/div], location 4:

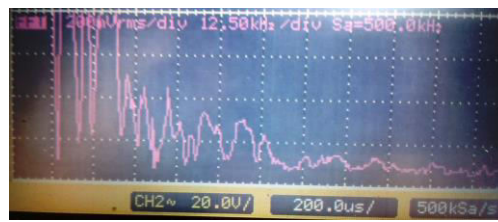
26. "H" field [12.5 kHz/div], location 4:

27. "H" field [5 kHz/div], location 4:



5, 15, 22, 27.5, 42, 47 90 [kHz]

28. “E” [5 kHz/div], location 4:



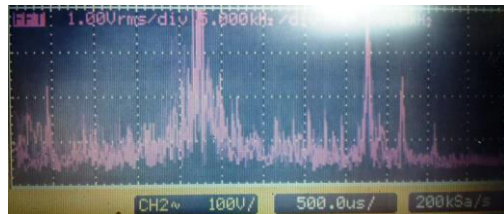
15, 22, 28, 35, 40, 47-75 [kHz]

29. “E” field [1.25 Hz/div], location 4:

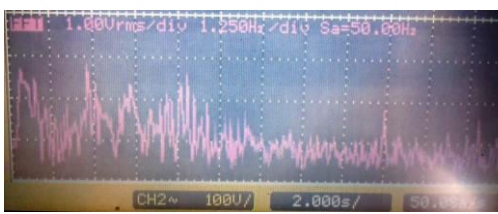


9, 16, 22, 28 [kHz]

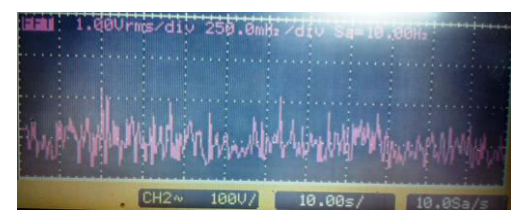
30. “E” field [250 mHz/div], location 4:



4.4 22.5 42.5, 47 [kHz]



0.5, 2.3, 3.5, 5 11.2 [Hz]



0.05 3 [Hz]

Measurement analysis of ambient fields at the location 4, “Bell tower”:

- Registered dynamic electric field: $E = 15 \text{ V/m}$ is slightly lower than usual ($\sim 20 \text{ V/m}$).
- Experimental life energy measurement on this location (Eq.7, LM 3) show high orgon energy level ($O_r=95$) which is for 58 % ($=95/60$) higher than the usual level.

Electric (Fig.25) and the magnetic (Fig. 26) field spectra, in VLF domains, contains all the signals that are characteristic for the site "Archaeological Park: Bosnian Pyramid of the Sun" in Visoko, but lower frequency signals from the electric ("E") domain of 5, 10 and 15 kHz are much more emphasized, especially a 22 kHz signal that originate from the measuring equipment. However in a magnetic ("H") domain was registered a exceptionally strong magnetodynamic vibration with frequency around 28 kHz.

Emphasized signal level in the VLF domain at this location, we mentioned, is more visible in the footage 27 which clearly shows the presence of "magnetic" signals with frequencies of: 9, 16, 22 and 28 kHz, which closely resembles to the spectrum that is registered on the Pyramid of the Moon (Location 3, Fig.22) where this signals are more intense and are a lot more regular - indicating a pronounced resonant quality of this facility. The ratio of registered signals frequencies corresponds to the arithmetic harmony structure that is characteristic of natural systems and the "harmonic resonators" ("Non-square" generators.) - what is opposite to signals that are generated by electrical systems, particularly switching (switch) technologies, irregular, non-sinusoidal and / or pulse shaped signals where the ratio of harmonics have to be exponential.

The presence of a 4.4 kHz signal, typical for water (groundwater) flows, in the same frequency segment but in the "electric" domain (Fig. 28), indicates a great specificity of this site. However, due to the form of "magnetic" signals registered and depicted on the recording 27, probably it comes of weaker or distant water courses.

Footage 29 shows a emphasized electrical activity in the spectral range 0.5-5 Hz that corresponds to the area of "Delta" waves (0.5-3.5 Hz) and Theta (4-7 Hz) waves – i.e. electrical signals from the human brain during sleep (Theta) and dreamless sleep (Delta) or in states of deep meditation.

Interestingly, the Pyramid at Giza has a constant frequency of 6.8 Hz running through it. Although researchers have studied it, they don't know where it comes from or why they exist in such an ancient structure. This points to the idea that the ancients knew the importance of frequencies and how to use them in order to provide an atmosphere for attaining a peaceful state of mind for entering higher states of consciousness and perception /of spiritual reality that normally we are not aware of and thus facilitate own being introspection in the deeper strata of existence.

Location 5: “Tumulus”, 17.06.2016, 16.00 h.

Measured values:

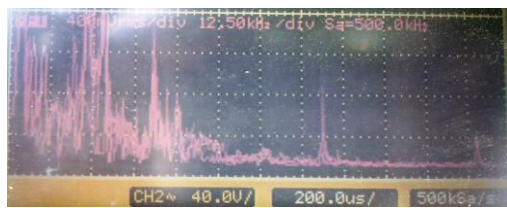
$H_{50\text{Hz}} = 8 \text{ nT}$, $H = 0.7 \text{ mG}$, $E = 38 \text{ V/m}$, $T = 31.3 \text{ }^\circ\text{C}$, $\text{Hum} = 10 \%$, $\text{Noi} = -10 \text{ dBrel}$, $S_c = 8,0$; $O_r = 100,3,1,100$.

Characteristic spectrums:

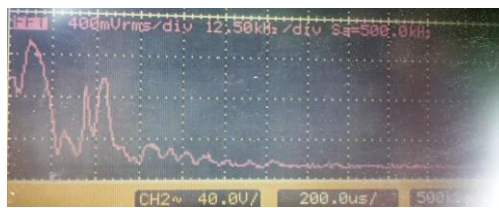
31. “E” field [12.5 kHz/div], location 5:

32. “H” field [12.5 kHz/div], location 5:

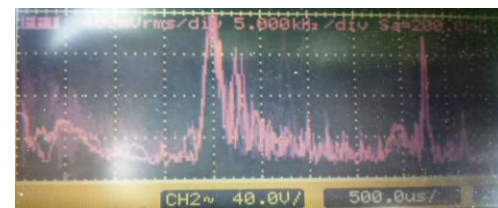
33. “E” field [5 kHz/div], location 5:



5, 10, 22, 27, 42, 50 92 [kHz]



6, 22, 27.5 [kHz]



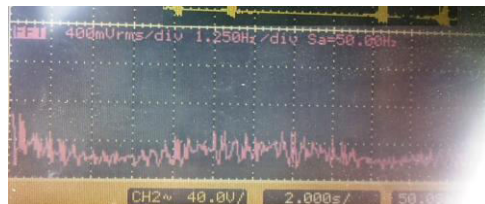
5 20, 22.5 30 42.5 [kHz]

34. "H" field [5 kHz/div], location 5:



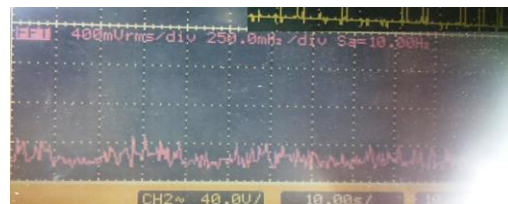
6, 10, 20 27.5 [kHz]

35. "H" field [1.25 Hz/div], location 5:



3.7 7.8 11.2 [Hz]

36. "H" field [250 mHz/div], location 5:



0.5, 1, 1.25, 1.75 [Hz]

Measurement analysis of ambient fields at the location 5, "Tumulus":

- Registered "EM smog" caused by power network 50 Hz (Eq.1) $H_{50\text{Hz}} = 8 \text{ nT}$ is a slightly higher than usual (4-5 nT) but still of negligible value.
- Registered dynamic electric field: $E = 38 \text{ V/m}$ is higher than usual ($\sim 20 \text{ V/m}$).
- Experimental life energy measurement on this location (Eq. 7, LM 3) show a higher orion energy level ($O_r = 100$) which is for 67 % ($=100/60$) higher than the usual level.

Recordings of the electrical (Fig.31) and magnetic activity (Fig.32) at this location unequivocally indicate increased activity in both "E" and "H" areas compared with activity at the control points 1, 2 and "Plato in front of the tunnel Ravne" - indicating a slightly accentuated resonance properties of this facility as a result of its geometric regularity (and perhaps of the internal structure), which is not strictly expressed but is obviously sufficient to constitute a standing waves - that are main mechanism to enable affirmative-interfering energy processes characteristic for purposed-built pyramidal structures and sacred objects. The result is "raised" parts of the frequency spectrum of 5-10 kHz and 22 kHz as well as 27 kHz signals in electric (Fig.31), i.e. 6, 22, and 27 kHz signals in the magnetic domain (Fig.32). Recordings 33 ("E") and 34 ("H") more clearly confirm that the geometry (possibly structure) of this facility is strictly consistent with form of objects: "Pyramid of the Moon" (location 3), and "Bell tower" (location 4), and - what is most important - with the "central building" of the Archaeological park in Visoko: Bosnian pyramid of the Sun!

Especially interesting is recording 35 because it clearly shows the regularity of the registered electrical signals envelope in the ELF range of 0.5 - 15 Hz, with a central frequency of 7.8 Hz and periodicity of about 15 seconds. Same regularity can be seen in figure 36 also, in the range of 0.05 - 3 Hz ("Delta wave" area) with the same period. This information is of great importance, not only for this site, but also a much wider sense, because this periodicity is in full compliance with electromagnetic - mechanical properties of the ionosphere, whose "electromechanical" resonance (electromagnetic impact reaction) waves duration also is about 15 seconds!

These data speak in favor of EXCEPTIONAL compliance of cosmic principles and the principles of ancient technologies i.e. construction form and structure of the planet Earth and the primordial objects - that is - the general harmony of nature at all its levels and forms of existence.

Location 6: "Pyramid of love", 18.06.2016, 10.40 h.

Measured values:

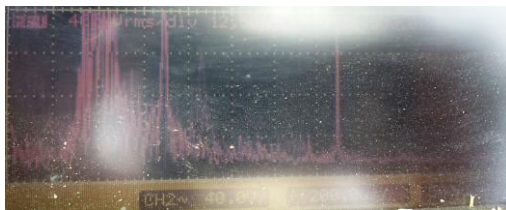
$H_{50\text{Hz}} = 4 \text{ nT}$, $H = 0.6 \text{ mG}$, $E = 50 \text{ V/m}$, $T = 23 \text{ }^\circ\text{C}$, $\text{Hum} = 30 \%$, $\text{Noi} = -27 \text{ dBrel}$, $S_c = 8,0$; $O_r = 100,3,1,80$.

Characteristic spectrums:

37. "E" field [12.5 kHz/div], location 6:

38. "H" field [12.5 kHz/div], location 6:

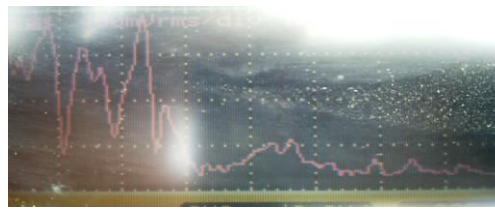
39. "E" field [5 kHz/div], location 6:



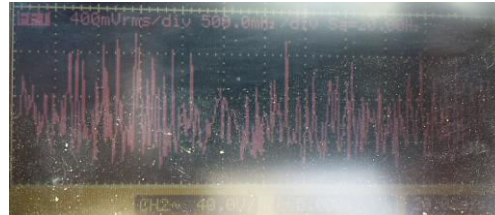
40. "H" field [5 kHz/div], location 6:



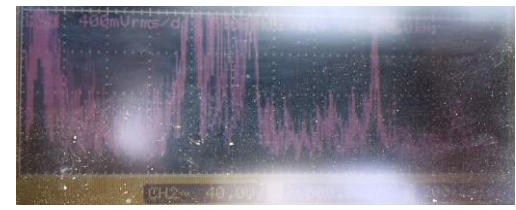
6, 8, 9, 11 16 20 27.5 [kHz]



41. "E" field [500 mH/div], location 6:



0.6 2.2 3.3 5 [Hz]



42. "Mic" [250 mHz/div], location 6:



0.2, 0.4, 6.6, 0.9 1.8 2.3[Hz]

Measurement analysis of ambient fields at the location 6, "Pyramid of love":

- Registered dynamic electric field: $E = 50 \text{ V/m}$ is significantly higher than usual ($\sim 20 \text{ V/m}$).
- Experimental life energy measurement on this location (Eq. 7, LM 3) show a slightly higher orgon energy level ($O_r = 80$) which is for 34 % ($=80/60$) higher than the usual level.

Recordings of the electrical and magnetic activity at the site indicate the absolute disagreement of "E" and "H" domains of the same part of the frequency spectrum. Recording 37 show that electrodynamic activity is accentuated in the frequency range of 20-30 kHz and magnetic (pic.38) is expressed in three "segments" with the central frequencies of 10, 18 and 30 kHz. These facts are quite reliable evidence of this facility structure inhomogeneity and, because of that, high probability that in its interior there are "blocks", a kind of "physical domains" or "various fields of materials" with fundamentally different structure. In fact, so big frequency spectra difference usually is a result of significant differences in electromagnetic conductivity parameters (permeability, permittivity) that characterize certain materials so - in this case - indicate a high probability of being "hollow" underground channels or caves in this object.

Footage of VLF range "electric" activity (pic.39) shows a increased signal intensity in the area about 2.9 kHz which indicates the possibility of closer/stronger watercourses or to the increased amplification of this frequency segment due to the existence of the appropriate resonant structures (size, shape, material combination) on this location. "Magnetic" signal spectrum snapshot, shown in figure 40, speaks in support of this assumption because a form of signals in the range of 6-11 kHz is very and especially characteristic for locations that are close to watercourses.

The recording of the electric field spectrum in the ELF area (pic.41) indicates a electrodynamic activity that also may be a result of closer and/or more powerful watercourses.

Another very solid argument in favor to the exposed assumptions is infrasound vibration recording (Fig.42) which clearly shows the presence of a relatively strong signals at 0.4, 0.9 and 1.8 Hz - hence "lightweight" mechanical vibrations that can be generated by slow physical movement of some media types such as water flows are.

Location 7: "Control point 2, 'Center of triangle' ", 18.06.2016, 14.45 h.

Measured values:

$H_{50\text{Hz}} = 5 \text{ nT}$, $H = 0.6 \text{ mG}$, $E = 30 \text{ V/m}$, $T = 23.3 \text{ }^\circ\text{C}$, $\text{Hum} = 10 \text{ \%}$, $\text{Noi} = -12 \text{ dBrel}$, $S_c = 8,0$; $O_r = 100,3,1,86$.

Characteristic spectrums:

43. "E" field [12.5 kHz/div], location 7:



22,27,35, 42.5, 63, 95 [kHz]

44. "H" field [12.5 kHz/div], location 7:



7.4,15, 21, 27,35,50 72 [kHz]

45. "E" field [5 kHz/div], location 7:

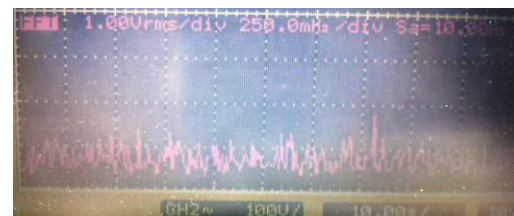


2.5, 6.8, 13 18,22,26,28 40,42.5,45, [kHz]

46. "H" field [5 kHz/div], location 7:

47. "H" field [1.25 Hz/div], location 7:

48. "Mic" [250 mHz/div], location 7:



8, 10, 21, 26,

[kHz]

0.2 - - - 5

[Hz]

0.05

1.8

[Hz]

Measurement analysis of ambient fields at the location 7, "Center of triangle":

- Registered dynamic electric field: $E = 30 \text{ V/m}$ is slightly higher than usual ($\sim 20 \text{ V/m}$).
- Experimental life energy measurement on this location (Eq. 7, LM 3) show a slightly higher orgon energy level ($O_r = 86$) which is for 43 % ($=86/60$) higher than the usual level.

At this location, next to the signals typical for the entire region Archaeological Park in Visoko: ~ 22 , ~ 27 and $\sim 35 \text{ kHz}$, which were registered in both domains (Fig. 43 and 44) a increased activity in the range of 2-15 kHz was recorded on this site also. Signals with frequency 2.5 to 13 kHz in the "E" range (Figure 45) and signals of 8 and 10 kHz in the "H" domain (sl.46) probably are not generated at this location, because there is no any visible geometry that could support such activity by resonance and alike feature. More likely this signals come from the entire "Pyramidal interface," composed of all facilities in the Archaeological park BPS in Visoko and are a result of theirs organized complexity and harmony. This assumption is supported by magnetodynamic activities recording in the domain of extremely low frequencies (figure 47) and mechanical vibrations in area of infrasound (0.05-1.8 Hz) that is shown in Figure 48, where one can see almost complete electromagnetic-mechanical passivity of this location.

Location 8: "Pyramid of the dragon" (base of hill), 19.06.2016, 11.00 h.

Measured values:

$H_{50\text{Hz}} = 4 \text{ nT}$, $H = 0.6 \text{ mG}$, $E = 68 \text{ V/m}$, $T = 11.5 \text{ }^\circ\text{C}$, $\text{Hum} = 10 \%$, $\text{Noi} = 0 \text{ dBrel}$, $S_c = 10,0$; $O_r = 100,3,4,88$.

Note 4: Due to very heavy rain, sound measuring were not possible. Measuring probes were registered signals /spectra/ that indicate the presence of water.

At the top of the "Pyramid of the dragon" there is a RF transmitter and EM measuring, and especially a subtle-energy phenomena (Orgon) measuring were not relevant. However, measurements were carried out on the base of that hill in the area that is shadowed of RF transmitter.

Characteristic spectrums:

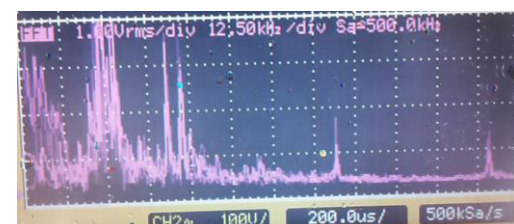
49. "H" field [25 kHz/div], location 8:



10, 20, 40

[kHz]

50. "E" field [12.5 kHz/div], location 8:



5, 22.5, 28, 42, 47

94

[kHz]

51. "H" field [5 kHz/div], location 8:



6 13 18 22 27

[kHz]

52. "H" field [250 mHz/div], location 8:



0.05

3 [Hz]



RF transmitter on the "Pyramid of the dragon"



Measuring point shadowed of RF transmitter

Measurement analysis of ambient fields at the location 8, "Pyramid of the dragon":

- Registered dynamic electric field: $E = 68 \text{ V/m}$ is significantly higher than usual ($\sim 20 \text{ V/m}$). Possible cause is very wet ground due to rain.
- Experimental life energy measurement on this location (Eq.7, LM 3) show a higher orgon energy level ($O_r = 88$) which is for 46 % ($=88/60$) higher than the usual level.

Measuring point at this location was within the forest, at the base of the hill named "Pyramid of the Dragon". It was raining during the measurements and these conditions have resulted in an effects similar to the effect of the so-called "Faraday cage". These are the reasons why the VLF/LF range (Figure 49) is almost „empty“.

MT signals registered here, combined with "magnetic" signals originating from the measuring equipment are presented at picture 50 where it can be seen two signal spectra segments with dominant, „central“, frequencies of 5 and 22 kHz. Signal 22 kHz is typical for the region and one of the 5 kHz can be a result of the measuring probes setting onto the wet ground.

Registered form of "magnetic" signals spectrum in the frequency range of 1-15 kHz, shown on picture 51, confirms the electromagnetic-mechanical passivity of this site, which is also illustrated by "H" fields spectrum recording displayed on pic.52.

The absence of the "controversial" signal of 28 kHz in „H“ domain at this location, most likely, is the result of choosing a measuring location away from the central position on top of the hill "Pyramid of the Dragon."

Final considerations

As a very unusual characteristic of our previously conducted research and measurements (Mission: "Visoko", September 2014) we emphasize the fact that at the top of the Pyramid of the Sun, in the center of the energy beam, was registered a signal with frequency of 27.5 kHz, while the recording of the same part of the frequency spectrum, using the identical apparatus and the probe at the location: "Plato - in front of the tunnel Ravne" did not show the presence of such a signal.

This fact could hardly be explained by conventional electromagnetism theory since the EM wave with frequency of 27.7 kHz during propagation in vacuo (and approximately in air) have the wavelength of about 10.8 km and the distance of these locations is about 2.5 km.

Even more unusual fact is that in this research mission were detected signals with frequencies of ~28 kHz on locations: 1. "Ravne 2" and 4 "Bell tower" also and their mutual distance, as well as the distance from the location of "Plato - in front of the entrance to the tunnel Ravne" is only about hundred meters.

Yet, what I consider as the biggest benefit of this research mission, and in general – of all previous investigations at the Archaeological Park of the Bosnian Pyramid of the Sun, is the perceived correlation of measured AMT signal values with dimensions, structure, geometry and topological parameters of the entire AP BPS structure - of almost all artifacts of the site !

Namely, analysis of electromagnetic and mechanical energy spectra, as well as of all other data listed in the "Measuring variables", showed a direct connection between registered energy phenomena parameters with the physical arrangement of objects and their mutual distances! In this way, the entire complex gets a much larger sense - as a unified, functional entity - which significantly reduces the the probability that all these facilities, their arrangement, distance, size, geometry and internal structure – are the result of purely natural, stochastic processes ... (more details in section "Topology AP BPS and electromagnetism).

A brief analysis of the measurements:

Location 1, "Ravne 2": Very high level of orgone energy, almost 70% higher than the average level. Significantly suppressed and weakened EM smog signals. Extremely large electrodynamic activity in the VLF area, in the domain of extremely low frequency (ELF), especially in the frequency area of so-called "Schuman spectrum. Infrasound vibrations were registered which (most likely) come from close watercourses. Electrical and magnetic frequency spectra Incompatibility¹ indicates the the possibility for interpreting the registered phenomena as a "Longitudinal electrodynamic vibrations" / ref. 2,3 /.

From the point of ambient fields complementary-medical parameters and of the registered subtle energy phenomena qualities, this location is extremely perspective for further researches and its use in the limits of technical possibilities.

Location 2, "Control Point 1": A common level of orgone energy. Completely "non-resonant" area. Electromagnetic "silence" in the ELF domain points to the absence of significant subtle energy flows at this location.

Location 3, "Pyramid of the Moon": Default orgone energy level. The absence of "EM smog". Registered "E" and "H" frequency spectrums disagreement. Incomplete "differentiation" of the recorded signals and its constitution in the form that create a scalar fields is a result of objects insufficiently correct geometry or of the fact that the measurement was not carried out in a central position at the top of the hill.

Ambient field has no emphasized the subtle energetic qualities but they are still present, that – with the absence of "EM smog" makes this place as very pleasant to stay, relaxation and meditation.

Location 4, "bell tower": From the energy phenomenology standpoint this object - next to the central facility: BPS - is the most interesting.

Very high orgone energy level (Or = 95), almost 60% higher than the usual level. Exceptionally strong electromagnetic vibration of 28 kHz was registered in the magnetic domain. Recorded energy spectra indicate the specific geometry and probably the structure of this object, which expresses a resonance feature that are characteristic for natural systems that is for "harmonic resonators". The presence of low-intensity "ELF" vibrations was registered which (most likely) originate from the distant/weak waterflows. Emphasized electrical activity in the part of spectrum from 0.5 to 5 Hz corresponds to the "Delta" and "Theta" waves that human brain broadcast during sleep (Theta) and dreamless sleep (Delta) or in states of deep meditation. This fact confirms the specificity of this location and extremely perspective of this location for further research and finding a new possibilities of the detected energy phenomena usage.

Location 5, "Tumulus": Very high orgone energy level (Or = 100), 70% higher than the usual level. Performed measurements show - not great but still noticeable - the resonance properties of this object, as is a result of its geometric regularity (and perhaps its internal structure), which is not strictly expressed but is still sufficient for standing wave constitution, i.e. enabling a affirmative-interfering energy processes that are typical of planned structures as sacred objects are e.g. - which were built specifically for stimulating the desired spiritual states and reaching appropriate levels of consciousness.

A special feature of this site, and of the entire AP BPS complex, is registered correctness of envelope of recorded electrical signals in the ELF range 0.5 - 15 Hz with a period of about 15 seconds! This value is identical to magneto-mechanical variation of the ionosphere periodicity, whose "electromechanical resonance", i.e. "electromagnetic impact reaction" is 15 seconds also. These data speak in favor of a EXCEPTIONAL consent of cosmic principles and the principles of ancient technology i.e. composition and structure of the planet Earth and of the primordial objects.

Location 6: "Pyramid of Love": A high level of orgone energy (Or = 80), 35% higher than normal. The absolute "E" and "H" domains disagreement points to a high structural inhomogeneity of the of this location and a high probability that in its interior there are "blocks", various material fields, or "cavities". The increased signals intensity in the ULF domain, in the area about 2.9 kHz, points to the possibility of closer/stronger watercourses or increased amplification of this frequency segment due to the existence of the corresponding resonant structure (material, size, shape) at this location.

Object does not have a pronounced geometric regularity but probably has a complex internal structure which – with negative energy forms absence and, at the same time, increased orgone energy intensity - contribute to the ambient energy field harmonization that makes this location so comfortable and pleasant for people.

Location 7: "Control Point 2, 'the center of the triangle'": Registered signals are typical for the entire region of Archaeological Park in Visoko. Magnetodynamics field spectrum recordings in the field of extremely low frequencies and of a mechanical vibrations in the field of infrasound - show a full electromagnetic-mechanical passivity of this location. This is understandable considering that the measurement was carried out on the location that has no visible geometry that would could support a affirmative-interference processes, ie. the effects of amplification – that is a phenomenon characteristic for the resonant structures.

Location 8: "Pyramid of the Dragon" (bottom of the hill): High orgone energy level (Or = 88), which is about 45% higher than normal. The position of the measuring point and the weather conditions during the measurements at this location had an effect similar to the effect of the so-called "Faraday cage". These are the reasons why is the recorded VLF / LF spectrum almost empty. Form of energy spectra, that is "shape" of the recorded signals indicate the electromagnetic-mechanical passivity of this location which is - most likely – result of measurements at the location that is far away from the top of the hill "Pyramid of the Dragon."

Conclusion:

In our previous work [4, 5], based on our theoretical and practical studies as well as the measurements performed, we pointed out at a really strong relationship, analogy and a numerical agreement of the physical parameters (virtual and real height value ...) of the "Visocica" hill - that is: "Bosnian Pyramid of the Sun" - with the parameters of the radiation with frequency of 28 kHz, registered at this facility by several research teams, also with expected values according to the EDQ Model [6], and - with measurements of Nikola Tesla [5]!

Nikola Tesla immensely love nature, whose mechanisms he well knew - and as the most efficient, refined over centuries, "reproduce" in his machines. Bearing in mind that he use a Earth as a "resonator" for his "Non-Hertzian vibrations" with which he wanted to achieve a wireless transfer of energy – the observed analogy is quite understandable. In fact, our studies have shown that the knowledge of the ancients transcended our present knowledge many times and that Nikola Tesla was one of the first people of this civilization and of the modern age that seriously approached to this knowledge [7].

Measurements we made during this research mission has shown even a much "deeper" relationship between a real, physical, geometrical and topological parameters of AP BPS facilities and the parameters of registered EM radiation, magneto teluric signals and subtle-energy phenomena. The foregoing facts reduce the possibility of stochastic character attribution to the analyzed object or - in other words – that the construction and structure of objects in AP BPS are only a result of natural, geological, climatic and similar processes, but on the contrary - that the some "intelligence" and ancient technology have influence in shaping, structuring and positioning of this facilities.

A special curiosity of this site, and of the entire AP BPS complex, is registered correctness of envelope of recorded electrical signals in the ELF range 0.5 - 15 Hz with a period of about 15 seconds! This value is identical to magneto-mechanical variation of the ionosphere periodicity, whose "electromechanical resonance", i.e. "electromagnetic impact reaction" is 15 seconds also. These data speak in favor of a EXCEPTIONAL consent of cosmic principles and the principles of ancient technology i.e. composition and structure of the planet Earth and of the primordial objects.

Measurements made at locations 2, 3, 6,7,8 show that on the objects whose geometry and structure do not have sufficiently expressed "regularity" were not registered any especially expressed energetic phenomena, which is quite understandable because – they do not fully satisfy the necessary and sufficient multidimensional resonance² conditions in to the extent that they is expressed in the Pyramid of the Sun, Tumulus and Belltower e.g.

However, although their ambient fields of the energetic phenomenon (whose values we measured in this mision) do not have a especially emphasized subtle-energetic qualities - they are still present, even though to a lesser extent, making this site as a very pleasant to stay, for relaxation and meditation. But - in the context of ENTIRETY and taking into account the real (geographical) position and interrelationship of these objects - they get a much greater importance as integral elements of one common entity, entirety, whose main exponent is central facility: Bosnian Pyramid of the Sun!

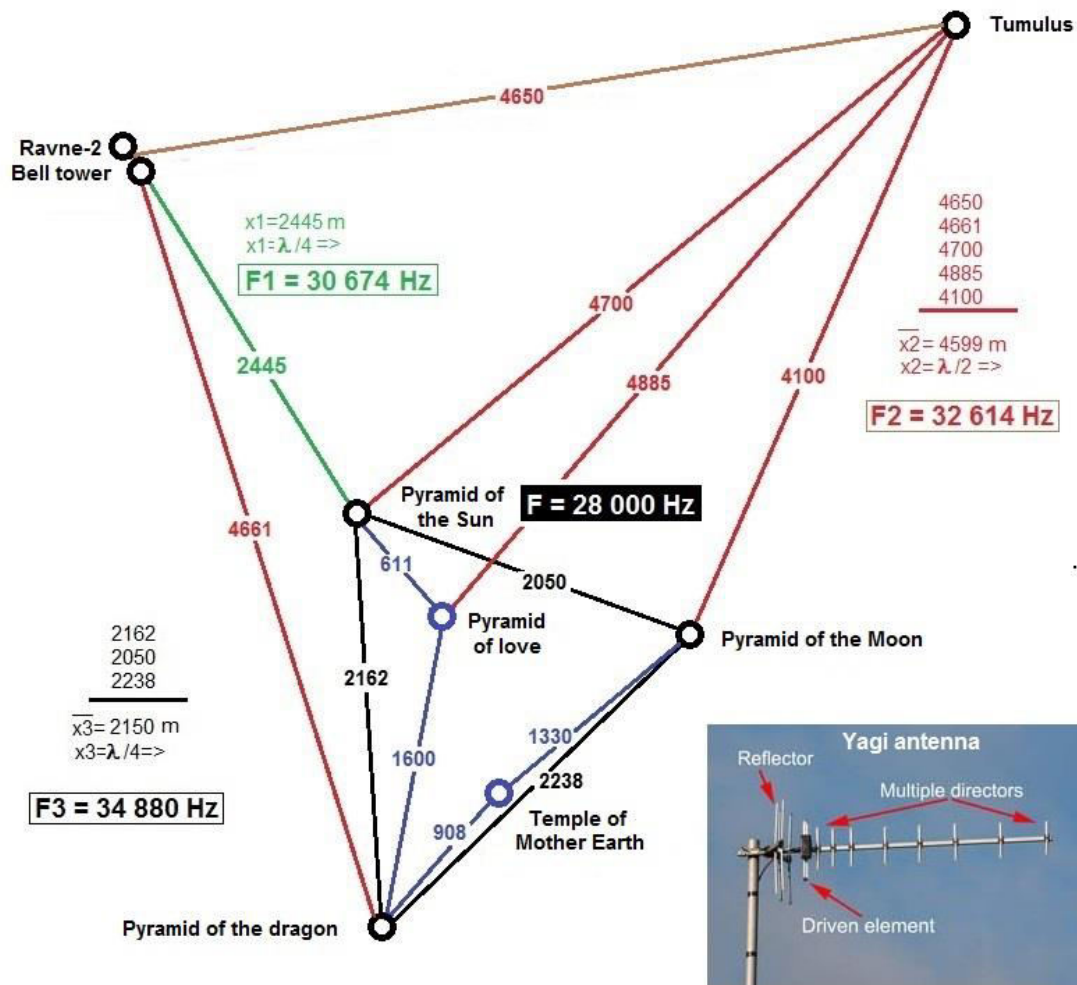
Namely, in the wave mechanics it is known that each vibration has its spatial and temporal parameters, wherein the intensity (amplitude) of the vibration is maximal at the quarter "wavelength" or for quarter "period" (cycle duration). This fact is used for amplification of wave phenomena and resonant properties of appropriate structures applied to increase the vibrations amplitude through affirmatively-interference processes, that is " adding" the direct and reflected waves. In practice, for example. pipe organ when it comes to mechanical vibration or Yagi antenna when it comes to EM vibrations.

Naime, u talasnoj mehanici je poznato da svaka vibracija ima svoje prostorne i vremenske parametre, pri čemu je intenzitet (amplituda) vibracije maksimalan na četvrtini "talasne dužine" ili periode (vremenskog trajanja jednog ciklusa). Ova činjenica koristi se za amplifikaciju talasnih fenomena koristeći se svojstvima rezonantnih struktura da pojačavaju vibraciju afirmativno interferentnim procesima, odnosno "sabiranjem" direktnih i reflektovanih talasa. In practice "resonance structures" are, for example, pipe organ when it comes to mechanical vibration or Yagi antenna when it comes to EM vibrations.

So - the effect of amplification of the desired vibration (energy phenomena) is realized through agreement of "resonators" physical shape and dimensions (length of pipe, size of the antenna dipole ...) with a quarter of wavelength of the vibration for which the "resonator" is maximally vibrant.

Picture given below, shows the distribution of AP BPS objects, their mutual distances³ and corresponding wave parameters for assumed "energy phenomena" for which these objects would be located strictly in the nodal points of standing waves, that is for frequencies for which this complex is "resonant". The picture clearly shows that the objects are arranged in such a way that there are three "groups" of equal, mutual distances of objects wherein they retain their - more than interesting – "arrangement".

"AP BPS topology and electromagnetism"



According to measurements done by several teams, energetic vibration at the top of the Pyramid of the Sun has a frequency of $\sim 28 \text{ kHz}$ and a lot of information about that can be found on the Bosnian Pyramid of the Sun Foundation website.

In terms of resonant systems i.e. of signals amplification by affirmatively-interference processes, quarter and half of vibrations wavelength are crucial⁴ values for the standing waves creation processes. One of the most popular system for "passive" (without the use of energy) signal amplification is so called "Yagi" antenna [9], which we all know as the (old) "TV antenna". Without going into details of the wave mechanics exposed in the document "Theory Yagi antenna" [9] here will be presented only the most important principle. The gain of antenna (resonator device) is realized by geometric arrangement of elements, so called "directors", that are shorter by 5% and "reflectors" that are longer for 5% of the "dipole" - whose size is equal to a quarter of the basic vibration wavelength.

Let us now see something that goes beyond the most imaginative ideas and expectations when it comes to matching the scientific, theoretical predictions of modern electromagnetism and the actual, real data from the terrain.

In the table below, in the left column are given frequencies that correspond to elements of "Yagi" antenna that broadcast (or receive) signal frequencies $28,000 \text{ Hz}$ ⁵. According to the principles set out in [9], the fundamental frequency was increased so that each subsequent element 'Yagi-system' (antenna) resonant frequency that is higher by 5% than the previous one. In the right column are given frequencies band in

corresponding to mean values of distance for each groups of objects if they would be "dipole elements" of a presumed "AP BPS 'broadcasting system'".

"Yagi" system element	The frequency of that is resonant	"AP BPS 'broadcasting system'"
Dipole	28 000	BPS: 28 000
1. reflector	29 400	
2. reflector	30 870	30 640 - "Green dipole element"
3. reflector	32 400	32 614 - "Red dipole element"
4. reflector	34 000	34 880 - "Black dipole element"

As we can see from the table presented above, agreement between imagined "Yagi" system elements and real

APBPS objects arrangement - is really amazing. Thus, according to the real structure of the AP BPS and real objects arrangement and their mutual distances, seems that the controversial "energetic beam" that Pyramid of the Sun emits - is not only a result of the geometry and structure of the object [5], but also is the result of ENTIRE STRUCTURE and specific objects layout and their positioning in the places where they really are.

There are a lot of theories. They may be more or less accurate but the numbers are inexorable. So high agreement and correlation can hardly be accidental.

Teorija ima raznih. One mogu biti manje ili više tačne ali brojevi su neumitni. **However, such a high level of agreement and correlation can hardly be accidental.**

In that sense, performed analysis is pretty strong argument in favor of the opinion that AP BPS facilities are a result of careful planning and consideration of each element of this - dare I say "PYRAMID INTERFACE", especially built for purposes that we only anticipate - but which have yet to discover. Thinking in the same context, guided by detected and measured parameters, now - next to the "common" functions, the constitution and amplification of longitudinal electrodynamic vibration - each of the objects gets its own meaningful "role" in accordance with the purpose and function within the "system". In this way, "bell tower", for instance, could be the "initial oscillator" and Tumulus some kind of data "modulator" (Delta, Theta ..) and so on. If we imagine a spiral that starts from the central facility, "BPS", and then slowly "unwound passing sequentially through all AP BPS objects, where each new "step" of a spiral is (next) nodal point of 3D standing wave – than we get a "mechanism" for the creation of complex torsional fields [10] as a fundamental "constitutive element" of all existing⁶ ...

Of course, imagination can do anything - but full mathematical and principle compliance with valid theories, with Tesla's technologies, and the Principles of Nature, should be the impetus for new, theoretical and practical researches as well as for free-thinking that perhaps could lead to new discoveries and the progress of civilization .

Belgrade, 28.07.2016.

Goran Marjanovic, BScE

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[6] Energy Density Quantization model, <http://users.beotel.net/~gmarjanovic/index.html>

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[8] UNIVERSE – Perpetual Harmonic Oscillator, <http://piramidasunca.ba/eng/latest-news/item/10452-universe-%C3%A2%E2%82%AC%E2%80%9C-perpetual-harmonic-oscillator.html>

[9] Yagi Antenna Theory: How does a Yagi Antenna Work, <http://www.radio-electronics.com/info/antennas/yagi/yagi-antenna-theory.php>

[10] A.E. Akimov, G.I. Shipov, "Torsion Fields and Their Experimental Manifestation," Proc. of the Internat. Scientific Conf. on New Ideas in Natural Science, St.-Petersburg, Russia, June 1996.

¹ This fact was not in accordance with the expectations for the classic, transversal-vectorial form of electromagnetic oscillations, so-called "Hertzian" EM waves, which always have the "E" and "H" components and suggests the possibility that this phenomenon can be called "Longitudinal electrodynamic vibration /ref. 2.3 / in terminology of Tesla technologies, and a phenomenon that is quite analogous to the concept of scalar energy fields.

² What we measure in the form of a classic, transverse vectorial EM waves is only a lower-dimensional energy form, a kind of "electric" and/or magnetic "shadows" of a true, subtle energy field of scalar type, which generates a pulsating torsional fields, or 3-dimensional standing waves - or - "spheroidal" vibrations in "breathing mode". In this sense, the concept of multidimensional resonance means spatially overlapping, time synchronicity and coherence of both.

³ Data: Google Earth, Sasa Nadjfeji, Spirit of Rtanj - Research and Ecology.

⁴ Standing waves are the biggest and most important discovery of Nikola Tesla: "... I was very lucky to discover new and amazing phenomena, such as rotating magnetic field, glowing of wireless vacuum tubes and many other high frequency effects, which amazed the world, BUT WHAT IMPRESSED ME AS MORE BEAUTIFUL THAN ANYTHING ELSE WAS THE DISCOVERY OF

STATIONARY WAVES, to which I came in 1899, and which showed that that the whole planet on which we live, despite its incomprehensible size, could be made to response with vibration to the lowest whisper of human voice. ... “.

⁵ The fact that the operating frequency of the Nikola Tesla famous "World Wireless" Broadcasting system, Wardenklif tower, was just 28 kHz obviously is not strange nor accidental, bearing in mind that Tesla's is used Earth as a resonator !

⁶ Secret of Sankhya: Acme of Scientific Unification by G. Srinivasan, <http://www.kapillavastu.com/>