Fig. 21: We placed the microphones close to the limestone floor near the base of pillar n.18.

Fig. 22: The plot of the sound coming from underground in the enclosure D. There is an important peak at 22Hz at almost 43db of volume.
Conclusion

As we showed in our research the vibration we found at Xaghra Stone Circle are not strange when viewed within in a panorama of other sacred sites across Europe and Asia. Two of the most famous ancient sites in the world have similar characteristics.

As we also wrote before, Archaeoacoustics provides a way to offer new interpretations on anthropological questions pertaining to ancient architecture and populations. After our investigation of the Ggantija compound we can confirm that the location where the site is based, has all the characteristics of an ancient sacred site of the remote past. The possibility to reach an altered state of mind by natural phenomena, existing in this location, acting on brain wave activity in particular conditions is very high. We can say that especially if the ancient people tried to reach it during rituals in underground cavities where vibrations had the maximum power. There are also various scientific papers which confirm the connection between brain activity and natural physical phenomena (Debertolis et al 2012 - 2016).

We can conclude the Xaghra Stone Circle was probably the most important nucleus of the ancient sacred location in Ggantija compound. The high number of vibrations perceived in an audible band suggest the idea that through these phenomena the ancient population was able to influence the perception of the human body to obtain different states of consciousness without the use of drugs or other chemical substances making their rituals very impressive. Our research demonstrates that archaeoacoustics with its effect on the human body, appears to be an interesting new method for reanalysing ancient sites in order to re-discover a forgotten method that effects the emotional sphere of human consciousness. Modern recording technology is now able to give greater clarity to the origin of many interesting phenomena, reaffirming the aura of legends that pervades some sacred places.

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References


N. Grima: "The Xaghra Hypogeum". The Malta Independent. 10 January 2010, archived from the original on 29 August 2015.


