

## Active Schumann Resonance Pendant

Our new product BHR-ASRP is an active and precise state of the art CMOS oscillator circuit which is powered by a typical 9-Volt battery. The circuit was specifically designed to resonate at the Fundamental Schumann Resonance Frequency of 7.83 Hz. The new device utilizes surface mount and CMOS technology causing an LED (any color including white) to pulse (pulse is square wave) at the precise frequency of 7.83 Hz. The Schumann resonance frequency is usually referred to as the “natural resonant frequency of the earth”. The reason for this is actually quite simple:

The Earth is a sphere which has a circumference of approximately 23,790 miles or about 38,286 kilometers. This distance is the wavelength of the fundamental Schumann resonance at 7.83 Hz using the following equation:

$$\lambda = \frac{c}{\nu} = \frac{186,282 \text{ miles} / \text{sec}}{7.83 \text{ Hz}} = 23,790 \text{ miles}$$

The earth-ionospheric waveguide acts like a resonator at Extremely Low Frequencies (ELF) using lightning as a natural antenna. The global Schumann resonances occur at 7.83, 14.3, 20.8, 27.3 and 33.8 Hz, the lowest of which is the strongest in intensity. For more information on the Schumann resonances visit the following website:

[http://en.wikipedia.org/wiki/Schumann\\_resonances](http://en.wikipedia.org/wiki/Schumann_resonances)

The pendant is composed of a plastic cover embedded with the complex  $E_8$  Lie group symmetry representation as an antenna. The Schumann resonances are also, interestingly enough, equal to various brain wave frequencies. The 7.83 Hz fundamental is curiously equal to that of alpha brain waves associated with relaxation. When you close your eyes, your brain automatically enters into the alpha range (8-13 Hz). Brain wave frequencies between 1 and 8 Hz are generally associated with deep meditation, sleeping and dreaming states.

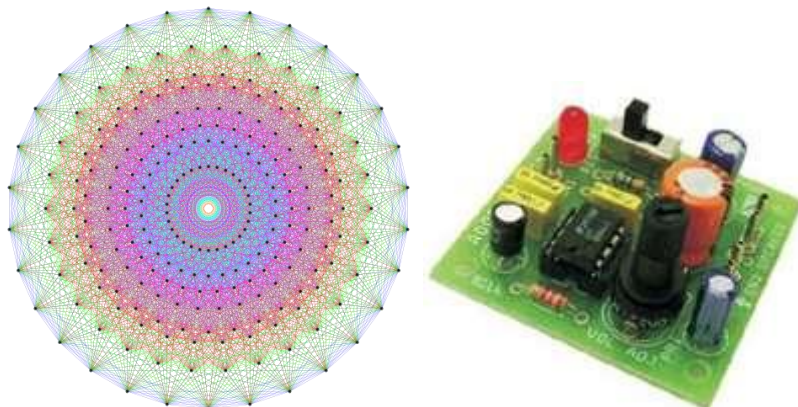


Fig. 1 – BHR-ASRP  $E_8$  Lie group antenna (L) and compact CMOS resonator (R)

The above Fig. 1 is an actual picture of the first prototype model of the BHR-ASRP. Pictures and videos of the actual finished product will be coming soon. Units will be available for purchase towards the middle of February 2012 for an economical price of \$34.95 per unit. Different types of devices will eventually be released for sale at a later date.