

Dear **C Wonnacott**

QUARTZLOCK NEWSLETTER ~ Summer 2010

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1. Increased functionality for GPS Disciplined Frequency and Time Standards.

With the ever increasing demand for functionality and performance and in line with Quartzlock's programme of continuous improvement we have now added even more functionality to our popular E8 series GPS Disciplined Frequency and Time Standards, so not only does it have low noise oscillators fitted as standard (-110dBc @ 1Hz) and with ultra low noise options (-115dBc @ 1Hz) these economical units can now be used as Network Time Protocol Reference Clocks enabling reliable localised time synchronisation for your base stations, optical network nodes, and high-speed digital networks. Read more about this in [Microwave Journal](#) or visit our [website](#).

2. Low Noise & Ultra Low Noise OCXO development

Quartzlock working in conjunction with other EU, US and SEA companies is developing a new range of Low Noise and Ultra Low Noise Oscillators with anticipated close in phase noise of <-118dBc/Hz @ 1Hz and <-173dBc noise floor for a standard 10MHz 36mm x 27mm sized reference, this exciting new development will enable Quartzlock's customers to benefit from the advantages of low phase noise systems in their applications for example to minimise the sub clutter visibility in Doppler radar systems and minimise the bit error rate in data transmission.

3. Reference Signal Analysis

Quartzlock A7-MX still remains the only dedicated high speed signal stability analyser and close in phase noise measurement system, unlike its competition it is capable of measuring phase noise as close in as 1mHz in a matter of seconds. Phase noise, phase/frequency data, and stability information can all be displayed at the same time enabling the performance of the oscillator to be established quickly and easily.

4. Today's performance from yesterdays references and signal sources

With today's economic landscape companies are now looking to get even more for less, investment for equipment is being squeezed whilst the performance requirements are being pushed to the technological limits. With this in mind Quartzlock has developed the A6-ANF Active Noise Filter, providing industry the ability to significantly improve the performance of its existing references (e.g. caesium and hydrogen maser) and signal sources at a fraction of the cost of buying the equivalent new instrument

5. Newsletter sign up

We'd like to send you occasional email newsletters with items of interest to the time and frequency community, press releases and new product information. To request the newsletter [please sign up here](#). We will not send more than 1 newsletter a month on average.

Kind regards

Quartzlock

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