

# Muzic Aeon premium-performance wireless telemetry

High bandwidth at HPHT conditions for multiple channels

## Where it is used

- Downhole reservoir testing in harsh HPHT and sour environments
- Land, jackup, and deepwater operations
- Exploration and appraisal testing

## How it improves wells

- Optimizes rig time and advances testing certainty through real-time test validation and data interpretation
- Enhances safety
- Enables single-trip multizone testing
- Mitigates test validation risk for more accurate characterization
- Reduces or eliminates the need for wireline intervention
- Eliminates the transmissibility issues of pressure commands

## How it works

- Bidirectional wireless communication between surface and downhole
- Real-time wireless data transmission via a repeater network
- Full acoustic control of drillstem testing (DST) tools
- Symphony\* live downhole reservoir testing united by Muzic Aeon\* premium-performance wireless telemetry and in Concert\* well testing live performance

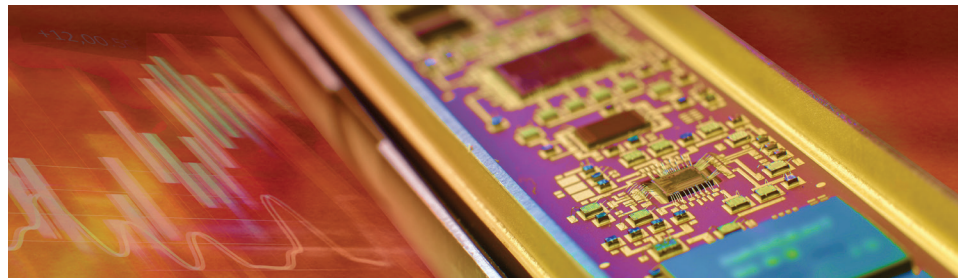
Muzic Aeon premium-performance wireless telemetry system provides bidirectional wireless communication in real time across challenging environments to gather downhole data and deliver tool operational commands where standard telemetry cannot function.

## All-ceramic technology

Incorporating state-of-the-art all-ceramic multichip module (MCM) technology from the aerospace industry, Muzic Aeon telemetry raises the performance bar with reliable communication in HPHT and sour environments. This industry-leading hardware is complemented by kernel-enabled advanced signal processing techniques, noise cancellation, and AI networking for reliably communicating all the downhole data needed to make real-time informed decisions for meeting test objectives.

## Full-resolution data to keep everyone, everywhere informed

Muzic Aeon telemetry employs a network of repeaters to gather full-resolution data from the reservoir. The wideband data can be integrated with surface measurements in the Concert well testing live performance ecosystem for secure communication via InterACT\* global connectivity, collaboration, and information service to wherever technical experts are stationed for interactive, collaborative analysis.

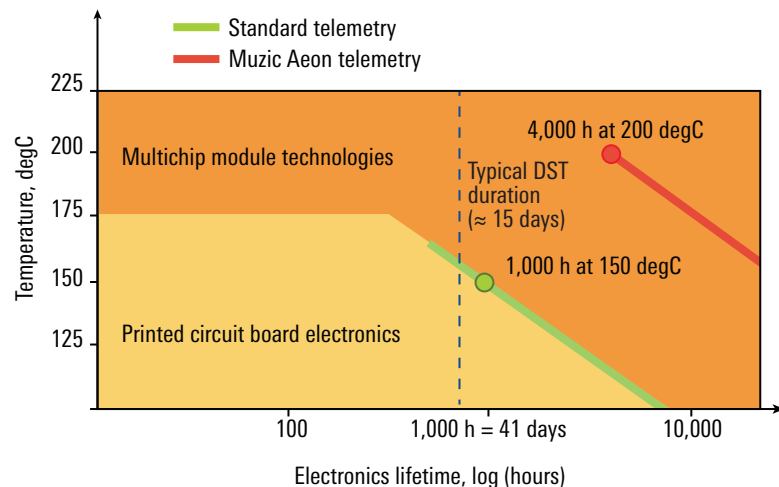


The proprietary 100% ceramic MCM design ensures reliable operation at high temperatures.

## Muzic Aeon Telemetry Specifications

Description	Wireless repeater
Service	NACE H <sub>2</sub> S
Working pressure, psi [MPa]	30,000 [207]
Max. OD, in [mm]	1.2 [30.5]
Working temperature, degF [degC]	392 [200]
Autonomy, days	30 to 365
Single-hop transmission, <sup>†</sup> ft [m]	1,000 [300]
Standard round-trip time, <sup>†</sup> s	90

<sup>†</sup> Depends on well conditions



Because Muzic Aeon telemetry uses all-ceramic technologies, it continues to perform reliably long after the typical DST duration of approximately 15 days (360 h), even in high-temperature environments.