

VeEX® Issued U.S. Patent for Analyzing Downstream QAM Environments

Fremont, Calif., February 15, 2024 - [VeEX Inc.](http://www.veexinc.com), a global leader in innovative test and measurement solutions for next-generation networks, today announced that the United States Patent and Trademark Office has issued U.S. Patent No. 11,848,789, “System Testers for Analyzing Downstream QAM Environments” for its VeGrade® proprietary measurement feature.

Evaluating the quality of a network signal can be complex with numerous metrics associated with various aspects of the signal. Traditional techniques, using metrics like modulation error ratio (MER), bit error rate (BER) and power level, often provide only basic assessments of signal quality. These conventional methods lack the necessary details to empower field technicians to take appropriate action for improving signal quality.

VeEX's VeGrade assesses the quality of an individual Digital QAM channel, and it is available in our [CX310](#) and [CX380C](#) field test meters. By utilizing various metrics, VeGrade provides a Digital Grade ranging from A+ to F, enabling the identification of channels that are impacting service and require additional troubleshooting measures.

The VeGrade feature continuously and rapidly monitors the quality of the Digital Channel and provides a comprehensive metric which is easily understood by the field technician. This rapid monitoring capability allows the meter to capture bursty intermittent issues that may otherwise be overlooked by traditional measurements such as MER, BER, and Signal.

“With Analog channels slowly diminishing and Digital QAM channels taking their place in the CATV lineup, Cable TV operators are constantly monitoring and maintaining the quality of their digital signals. Our patented VeGrade feature utilizes a user-friendly grading approach, providing an additional tool for troubleshooting and effectively resolving hard-to-detect impairments with Digital QAM channels. It serves as a valuable asset for evaluating the Quality of Experience (QoE) of customers,” said Mike Collins, Product Manager, CATV at VeEX.

About VeEX

VeEX Inc., a customer-oriented communications test and measurement company, develops innovative test and monitoring solutions for next generation telecommunication networks and services. With a blend of advanced technologies and vast technical expertise, VeEX products address all stages of network deployment, maintenance, field service turn-up, and integrate service verification features across copper, fiber optics, CATV/DOCSIS, mobile 4G/5G backhaul and fronthaul, next generation transport network, Fibre Channel, carrier & metro Ethernet technologies, WLAN, and synchronization. Learn more at www.veexinc.com