Tektronix Expands Performance Oscilloscopes with New 13 GHz and 16 GHz Models
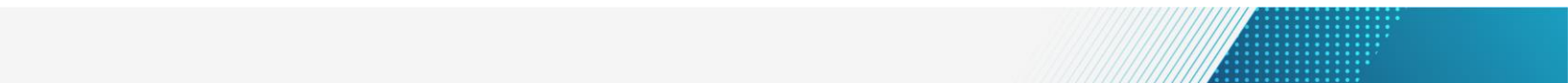### *New DPO70000SX Series Scopes Offer Key Advantages for High-Speed Serial Standards for Consumer, Automotive, Military/Aerospace Applications*

BEAVERTON, Ore., July 1st, 2019 -- Tektronix, Inc., today announced the expansion of its scalable DPO70000SX Series Performance Oscilloscope to include new 13 GHz and 16 GHz models. The new offerings allow engineers to take advantage of the high sample rate and low noise floor of Tektronix' highest performance family of oscilloscopes at lower bandwidth levels and more affordable price points.

The DPO70000SX Series oscilloscopes were initially developed to test the highest performance, highest speed serial and optical interface standards. With this platform extension, Tektronix is bringing these high-end capabilities to lower speed interfaces such as USB, Display Port, HDMI, LPDDR, MIPI C-PHY and D-PHY plus legacy server storage applications such as PCI Express Gen 3 and SATA that are widely used in consumer, automotive and military/aerospace applications.

The new 13 GHz and 16 GHz models offer four 50 GS/s sample rate input channels with the unique ability to synchronize up to four scopes for a total of 16 input channels. The UltraSync architecture provides precise data synchronization and convenient operation across multi-unit systems to support applications that require more than four channels. The low profile size fits in a single 3U rackmount space or two oscilloscopes can be stacked in the same space as a single standard bench oscilloscope.

"We are expanding the DPO70000SX family in response to changing market and customer needs," said Jon Baldwin, general manager, Wideband Solutions Business Unit, Tektronix. "With this introduction, the hardware performance and software analysis tools that were developed for the

most challenging high speed applications are now available at more bandthwidth levels to address a wider array of interface technologies and customer use cases."

The DPO70000SX Series is supported by an extensive range of compliance applications packages that offer the industry's fastest throughput for standards such as USB, Display Port, HDMI, DDR, LPDDR, MIPI, SATA, PCI Express and other evolving standards allowing engineers to save time, improve productivity and uncover failures quickly. This is augmented by the ability for engineers to seamlessly transition from compliance failures to debugging, using Tektronix' signal integrity analysis tools.

Characterization of the bit error ratio (BER) of devices requires a breakdown of the impact of both jitter and noise. At the receiver side, the eye could be completely closed due to attenuation of the signal and equalization is needed. Tektronix analysis solution tool kit, DPOJET, is well positioned to meet these needs by providing both jitter and noise analysis displayed using BER contours. The Serial Data Link Analyzer (SDLA) platform, assists in understanding system behavior at various test points simultaneously and helps optimize CTLE/DFE settings to accomplish receiver equalization. These oscilloscopes also pair seamlessly with Tektronix signal sources including the BSX Series BERTScope, AWG70000B and AWG5200 Arbitrary Waveform Generator, offering an end-to-end system solutions for transmission and receiver testing.

Availability

The new 13 GHz DPO71304SX and the 16 GHz DPO71604SX are available now. For more details on configurations and pricing go to Tek.com.

About Tektronix

Tektronix, Inc., headquartered in Beaverton, Oregon, delivers innovative, precise and easy-to-operate test, measurement and monitoring solutions that solve problems, unlock insights and drive discovery globally. Tektronix has been at the forefront of the digital age for over 70 years. More information on our products and solutions is available at Tek.com.

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