APS 2019 Hardware Demonstration Proposal
Atlanta, USA – IN STATION

[DATE]

Title: [**5G Performance Measurements]**

Abstract: [This demonstration shows a simple 2-dimensional antenna pattern measurement for a 5G/millimeter wave (mmWave) antenna. The antenna under test (AUT) is fed with a modulated Orthogonal Frequency Division Multiplexing (OFDM) signal that is created by a Vector Signal Generator (VSG). The transmitted signal is then measured with a dual polarized horn antenna and further analyzed with a Vector Signal Analyzer (VSA) while the AUT is rotated in the azimuth plane. The demonstration presents the challenges in millimeter wave communications and further emphasizes the tasks that lie ahead in order to perform accurate and confident measurements for 5G/mmWave antennas. Note this demonstration provides an example of this measurement technique in a 2-dimensional test system, but this approach may also be used to measure 3-dimensional antenna performance.]

Presenter:
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Schedule [1st choice: Tuesday AM, 2nd choice: Wednesday AM]