Silvus Demonstrates 19 Node Network with 50+Mbps of Traffic at SOFIC 2017

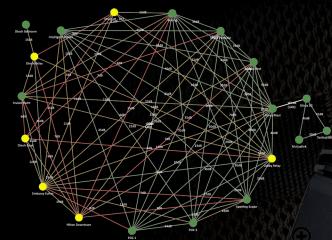


Figure 1. Network Topology with 19 Nodes



Figure 2. Live HD Video Streams Viewed at Silvus Booth inside Convention Center

Background

The Special Operations Forces Industry Conference (SOFIC) is a venue for the SOF community to interact with industry and gain exposure to cutting-edge technologies. The event is attended by more than 11,000 attendees and 350 exhibitors and takes place at the Tampa Convention Center in Tampa, FL.

The Challenge

Tradeshows represent some of the harshest wireless environments. With hundreds of exhibitors under one roof, each putting up their own wireless hotspot, the interference levels can be crippling to most wireless systems. The Silvus network-wide spectrum scanning capability provided a snapshot of the magnitude of the interference within the show floor (see Figure 3). Silvus set out to demonstrate the robustness of the MN-MIMO waveform by deploying a high bandwidth mesh network in and around the convention center across a 1 square mile area.

Silvus Solution

In conjunction with several partners, Silvus deployed StreamCaster[™] 4200 and 4400 radios in various booths on the show floor, as well as locations outside the convention center. Exterior locations included: The Marriott, The Embassy Suites, The Hilton, and two boats on the water. A total of 6 HD video feeds were viewed live at the Silvus booth (see Figure 2). Some of these included full bi-directional PTZ (Pan-tilt-zoom) control.

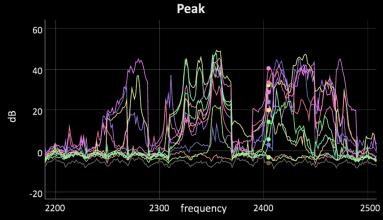


Figure 3. Spectrum Scan

2405: Silvus Mast: -5.73 Lobby Relay: -2.93 Dtech Ballroom: 3.17 Dtech Relay: 20.17 Silvus Portable: 24.17 Invisio Yacht: 32.47 Silvus Vest: 29.07 Embassy Suites: -2.93

Marriott - DFT: 40.67 Hilton

Downtown: 14.47 Spotting Scope: 33.67

Dtech Boat: 5.87

Summary

Despite the extreme levels of interference present, Silvus was able to quickly and effectively deploy a high bandwidth network featuring multiple HD full motion video streams. This network demonstrated the ability of StreamCaster™ radios to outperform the competition in the harshest environments.

