

BACKGROUND

Typical MILSATCOM system deployments rely on single vendor solutions that involve complicated and time-consuming integration work to include any other vendors.

METHODS

Leverage DIFI 1.2.1 to interconnect a MILSATCOM system using equipment from two different vendors to demonstrate “plug & play” interoperability.

RESULTS

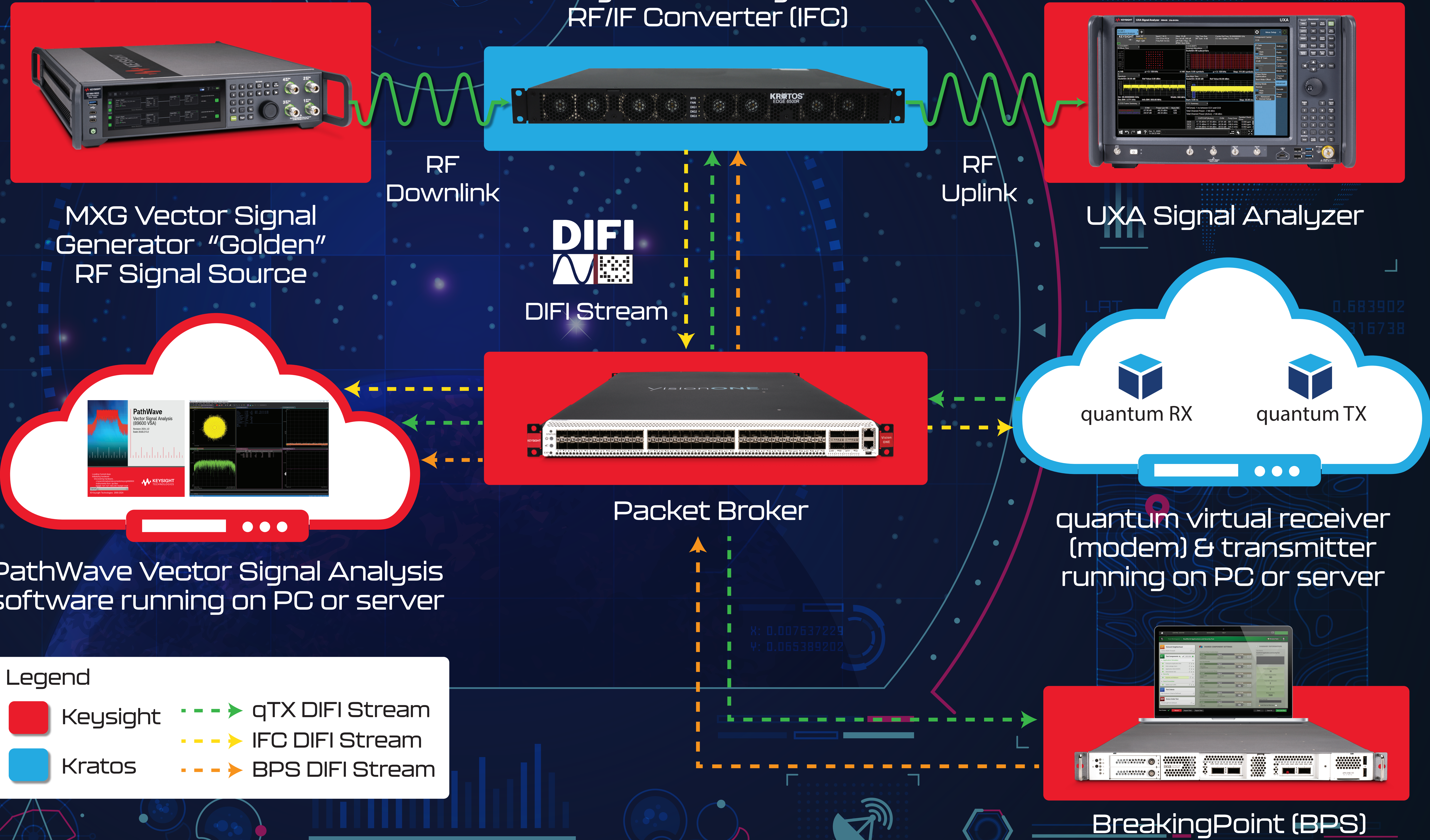
Digitized an RF signal into a DIFI stream using the Kratos IFC and seamlessly transported the spectrum to a Keysight VSA for accurate demodulation. Generated a DVB-S2x high-rate waveform with the Kratos virtual receiver, transported the spectrum through a network switch, and demodulated the waveform in the Keysight VSA.

CONCLUSION

DIFI establishes a robust interoperability framework, enabling rapid, seamless integration of multi-vendor systems with minimal engineering overhead. This capability accelerates operational readiness and adaptability in dynamic environments.

Accelerating MILSATCOM Interoperability

Cherisa Kmetovicz, Applications Engineer, Keysight
Marty Hoffmann, Systems Engineer, Keysight
Annmarie Stanley, Technical Lead, Kratos



KEYSIGHT
www.keysight.com/find/satellite



For more information, contact:
cherisa.kmetovicz@keysight.com
marty.hoffmann@keysight.com
annmarie.stanley@kratosdefense.com



KRATOS
www.KratosSpace.com/OpenSpace