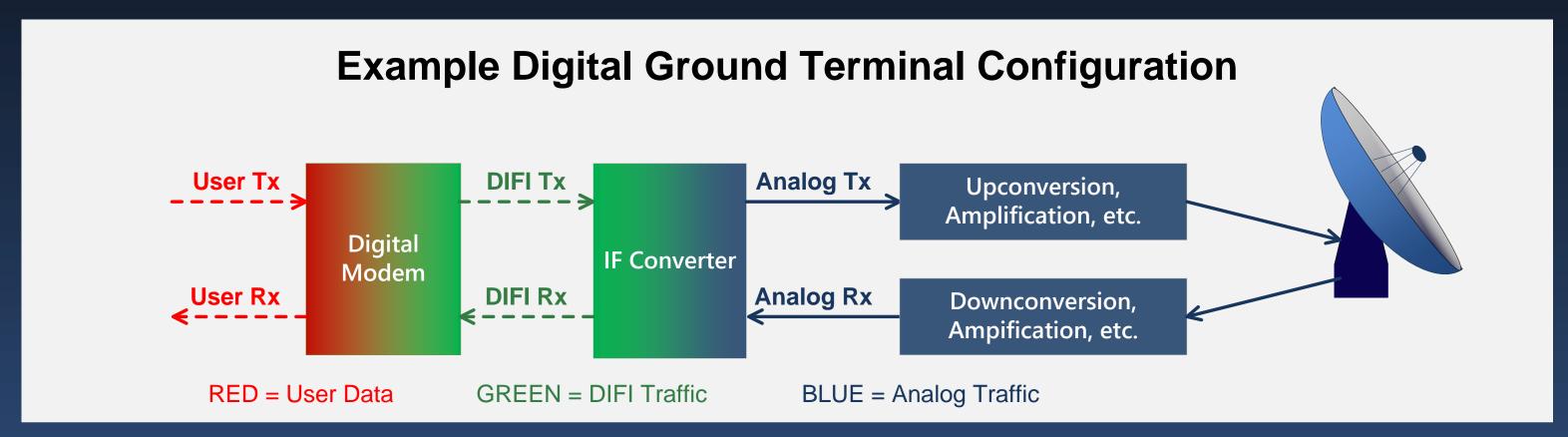
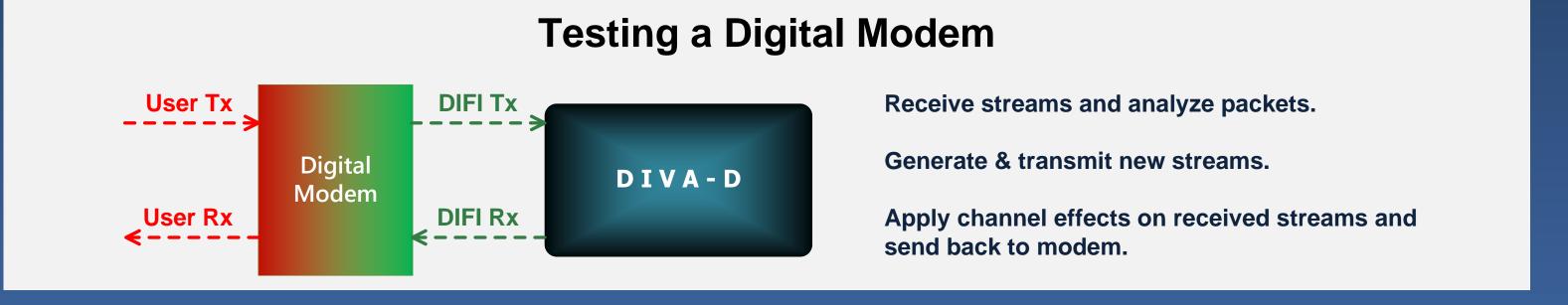
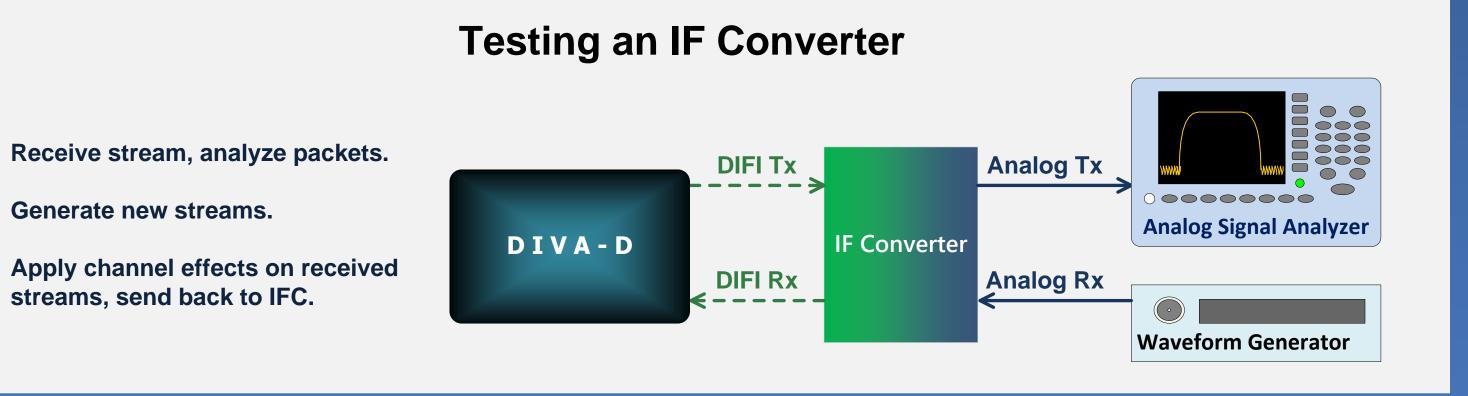
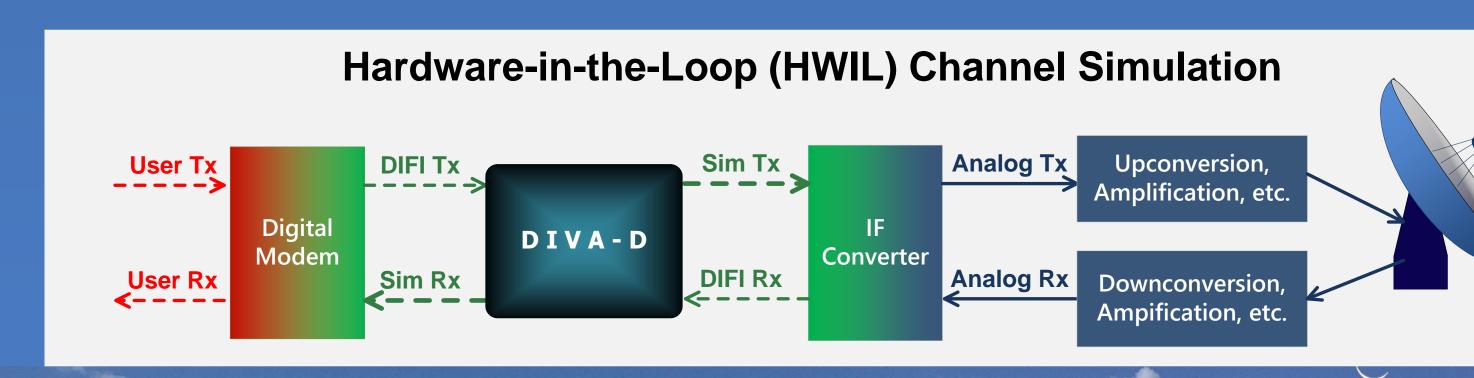
Testing Digital Ground Terminals and Their DIFI-Capable Components



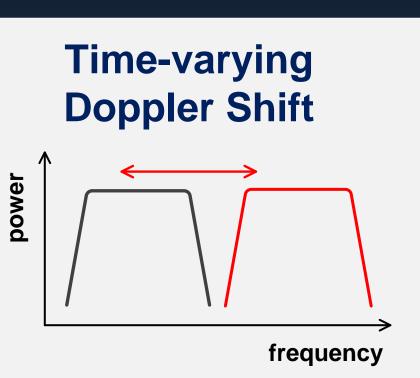


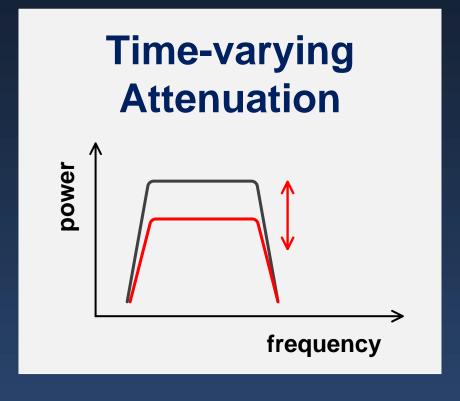


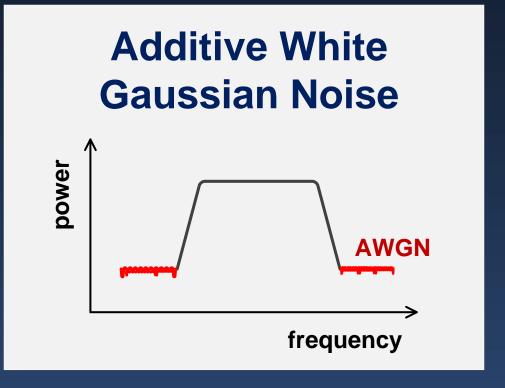


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DIVA-D Channel Simulation Current & Future Features

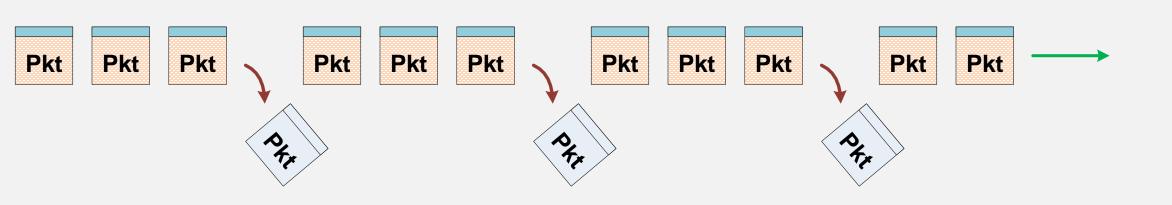






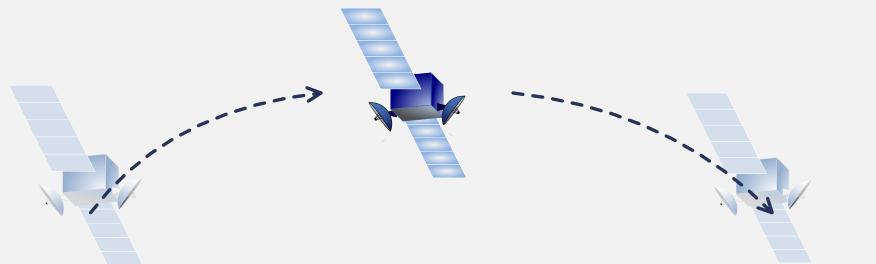
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Network Impairment: N packets lost per T seconds



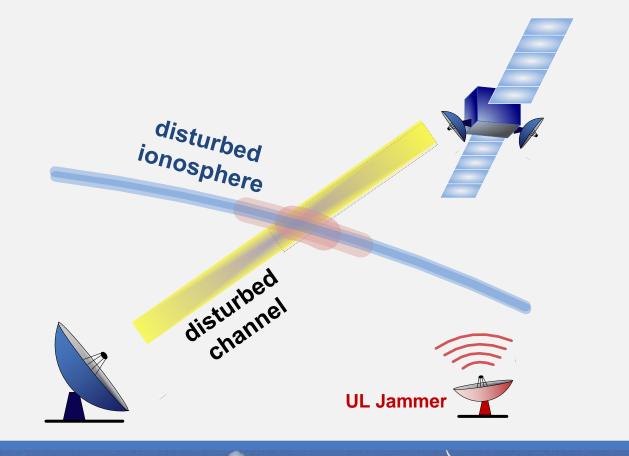
Future Sim: Scripted Doppler and Attenuation for Relative Satellite Motion

Use measured data or create your own motion scenario for the satellite and terminal.



Future Sim: Scintillation and Jamming Simulation

When strategic terminals employ DIFI, DIVA can emulate contested environments to certify Anti-Scintillation and Anti-Jam (AS/AJ) requirements.

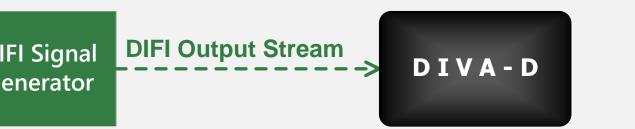


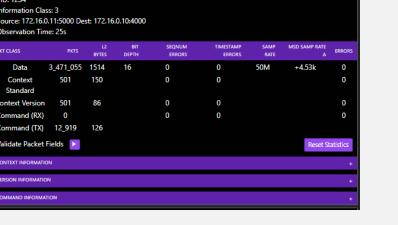
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DIFI Certification with DIVA-D



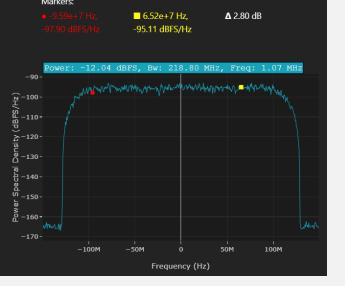
Certifying DIFI Sources: Signal Generator, Digitizer-ADC







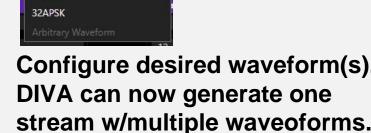


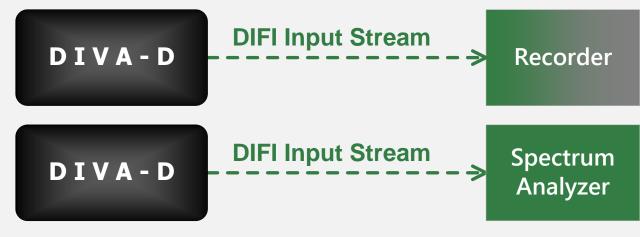


View Power Spectrum and make measurements with markers.

Certifying DIFI Sinks: Recorder, Spectrum Analyzer, Digitizer-DAC



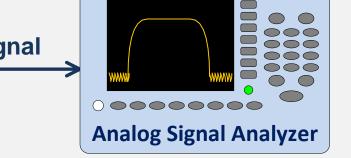




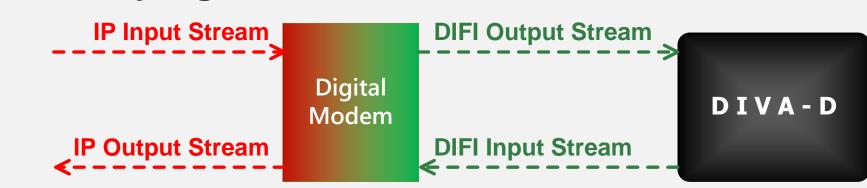


- Stream ID
- Sample RateBit Depth





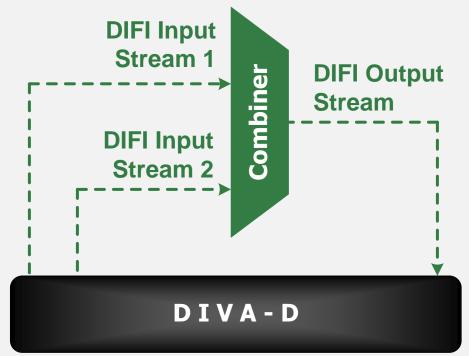
Certifying DIFI Modems

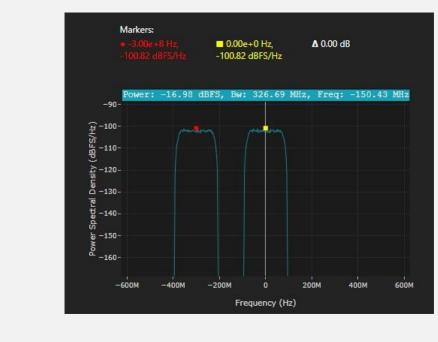


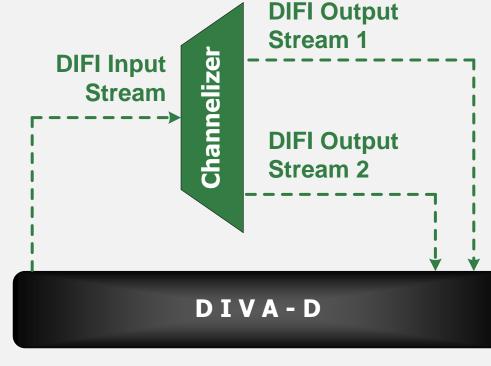
Modulator testing: use DIVA monitor feature to check packets, and analyze data with the power spectrum and/or constellation feature.

Demodulator testing: generate streams representing test waveforms; can also send back data received for loopback testing.

Certifying Combiners & Channelizers







Configure multiple streams and transmit them. Receive the combined stream and analyze the multiple carriers.

DIVA can create a single stream with multiple carriers.

Receive the channelized streams and analyze each carrier.

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