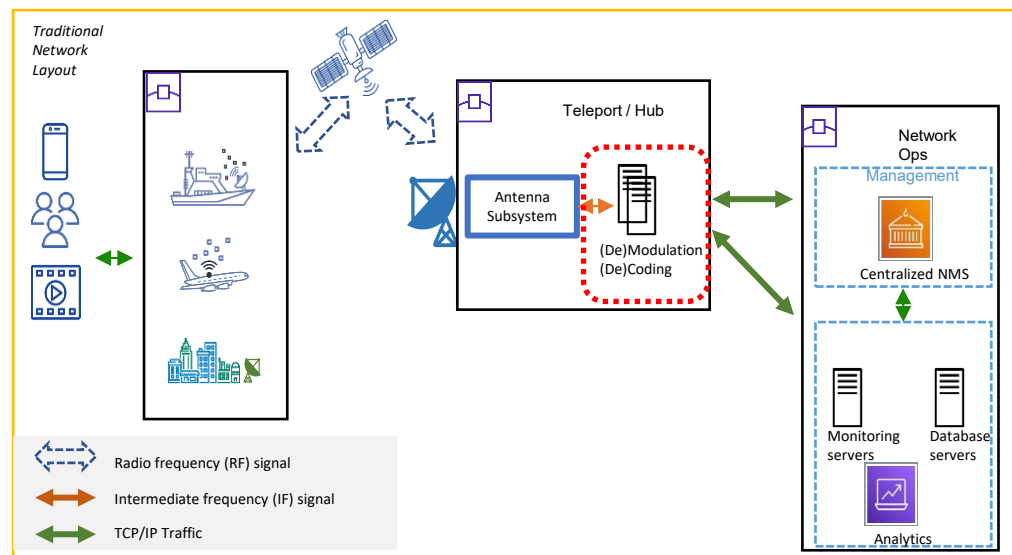


Legacy Satcom



Inflexible

Upfront capex

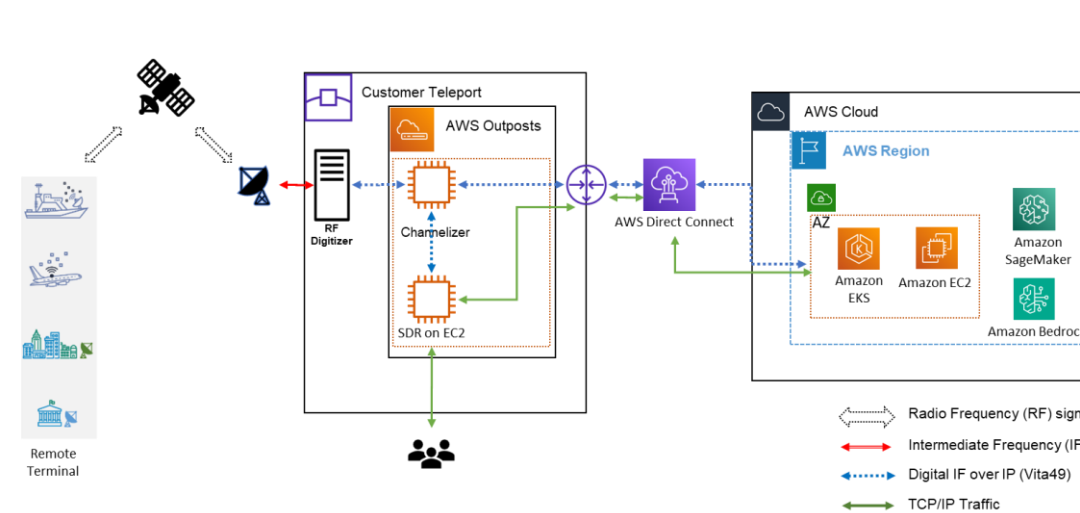
Ops overhead

Physical infra footprint

Vendor lock

Complex to upgrade

Agile Satcom



Scale

x86, GPU or FPGA

Opex model

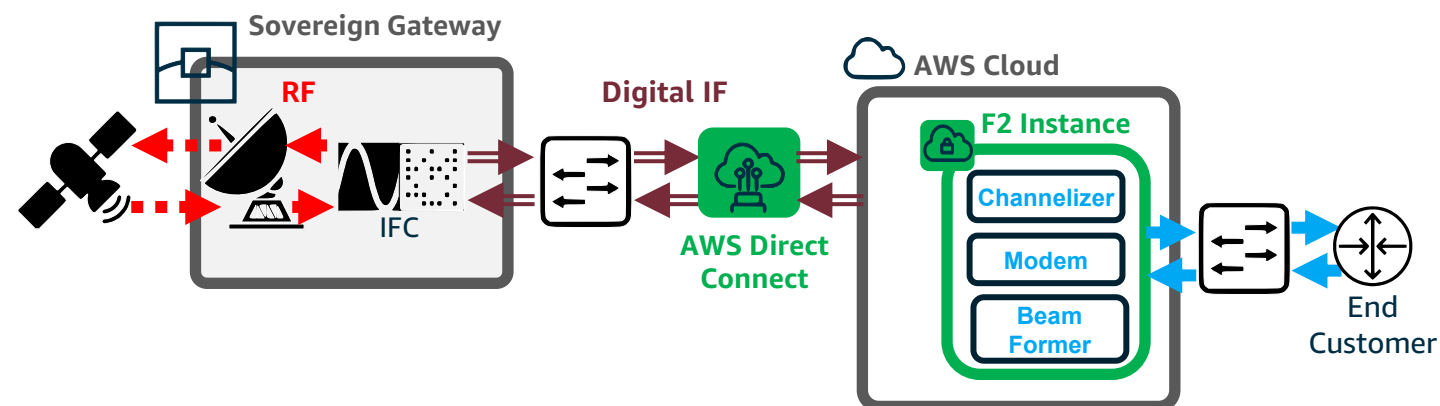
Simplify Ops

Reduce infrastructure

Performance

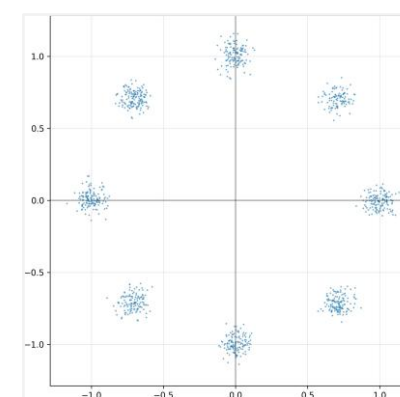
AI/ML opportunities

WAVE implementation on Amazon EC2 F2



- Accelerated (FPGA)
- High-throughput (DPDK)
- Region & Edge (future)
- Orchestration (SDK)
- Up to 8 FPGAs per instance
- Up to 192 vCPUs

New business opportunities : ML & Generative AI



Looking at this IQ diagram, I can make the following analysis:

- Modulation Type:
 - This appears to be an 8-PSK modulation
- Noise Present:
 - Yes, there is visible noise in the constellation
 - The spread appears to be Gaussian in nature
- Typical Causes:
 - AWGN is likely the primary issue, caused by:
 - * Low signal-to-noise ratio (SNR)
 - * Channel interference

Claude Sonnet

- ML as a Service
- Anomaly Detection
- Forecasting