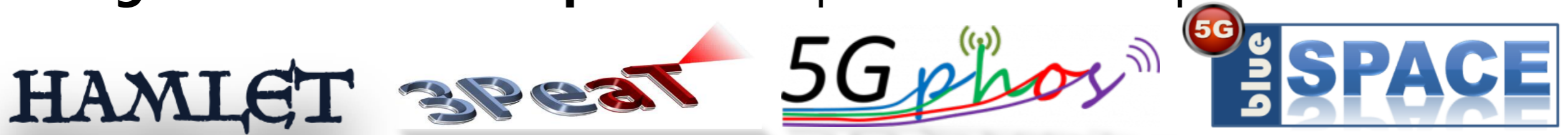
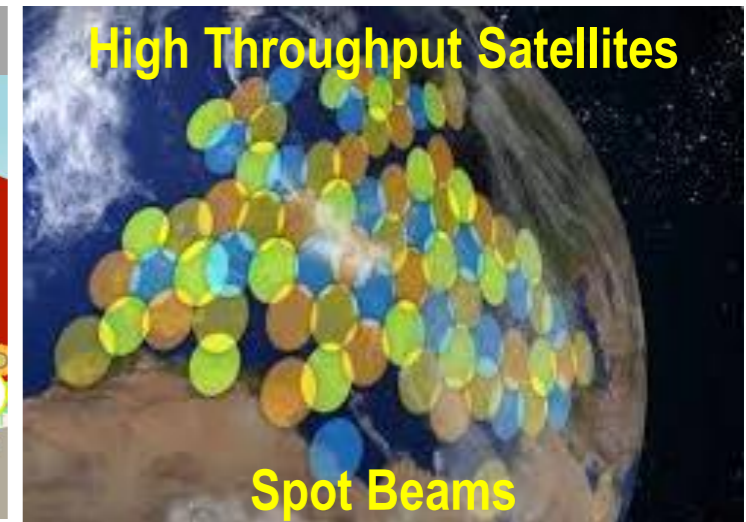
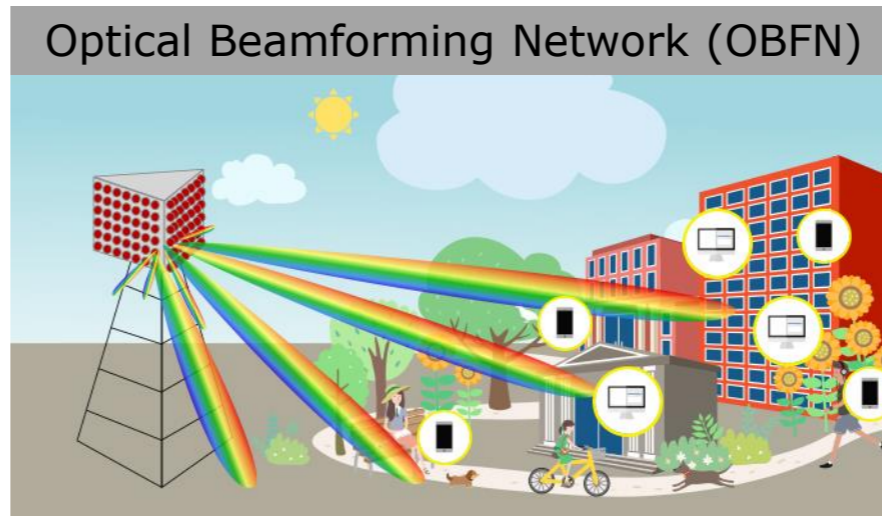


- **Integrated microwave photonics** platform developed under:



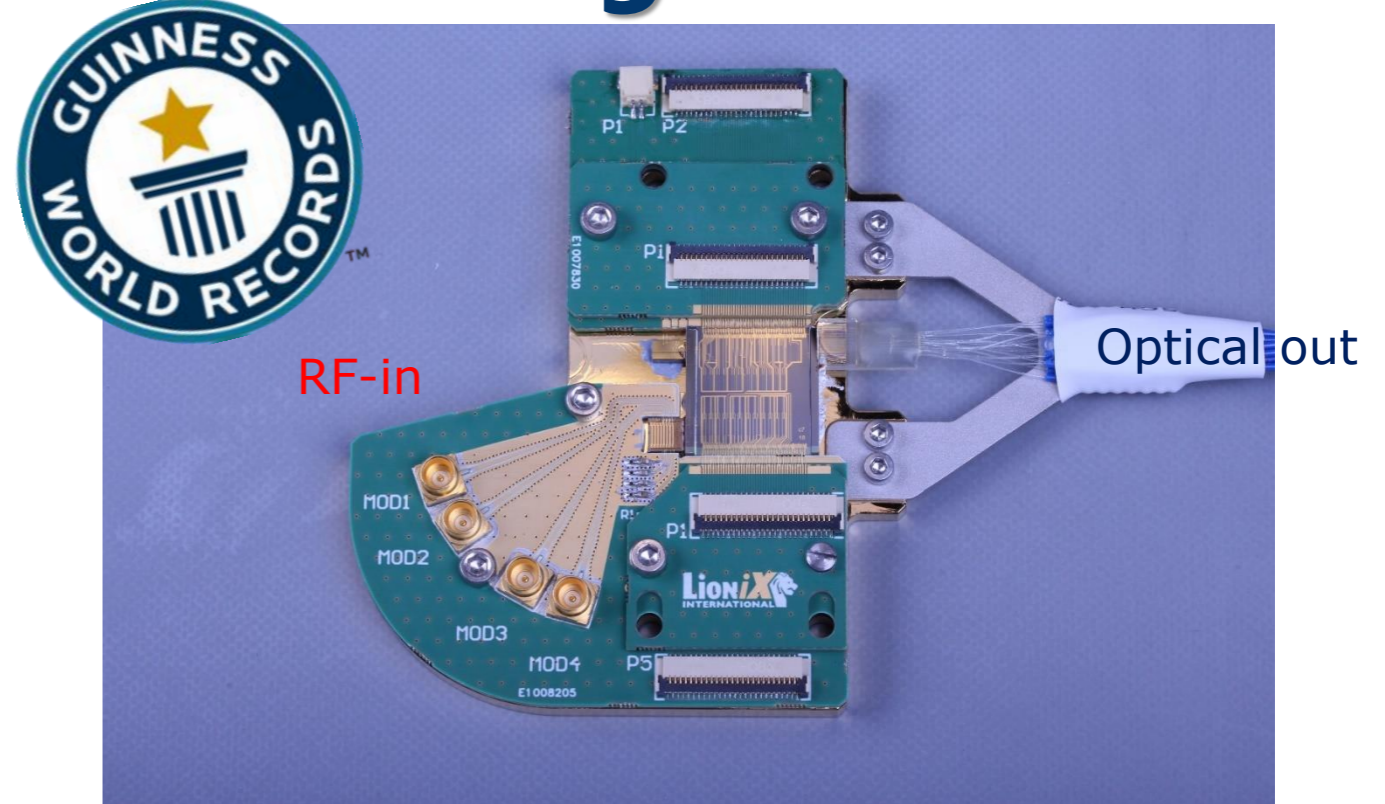
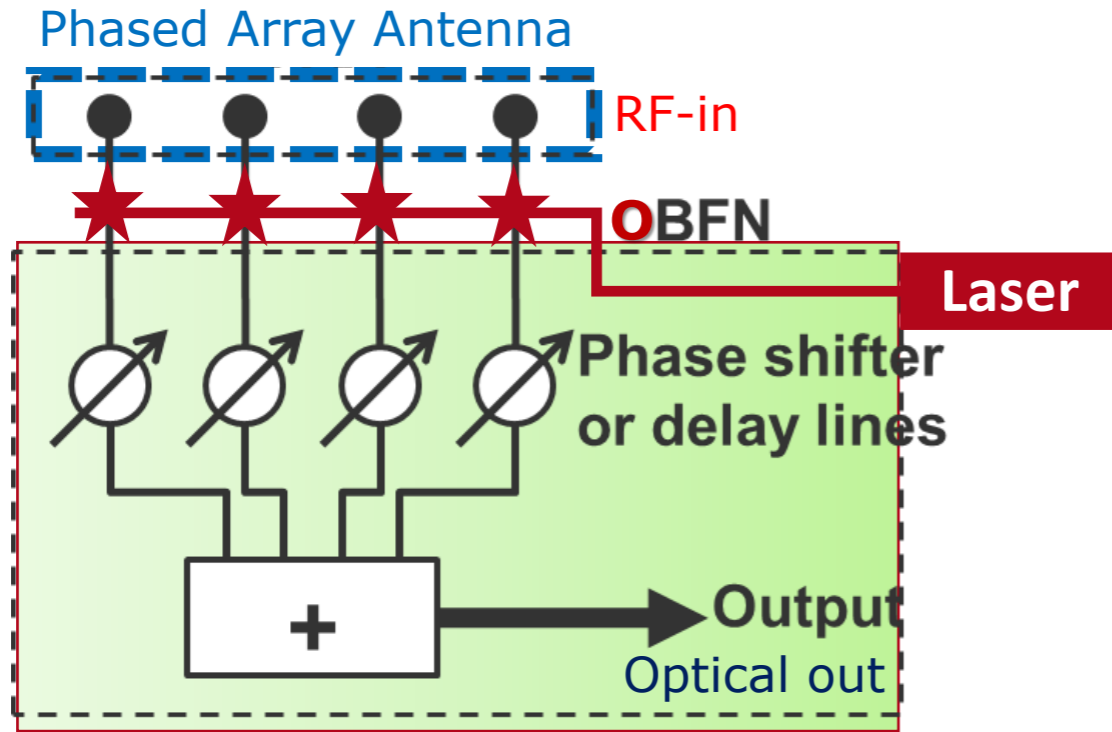
Low-power real-time configurability Implementation @26GHz and 60GHz

- Coverage & Capacity
 - High Speed (μ s)
 - Instantaneous Bandwidth
 - Multibeam Capability



Scalability with multi- λ Radio over Fiber technology for low cost per bit

True-time delays enable high bandwidth



Integrated OBFN Rx RR

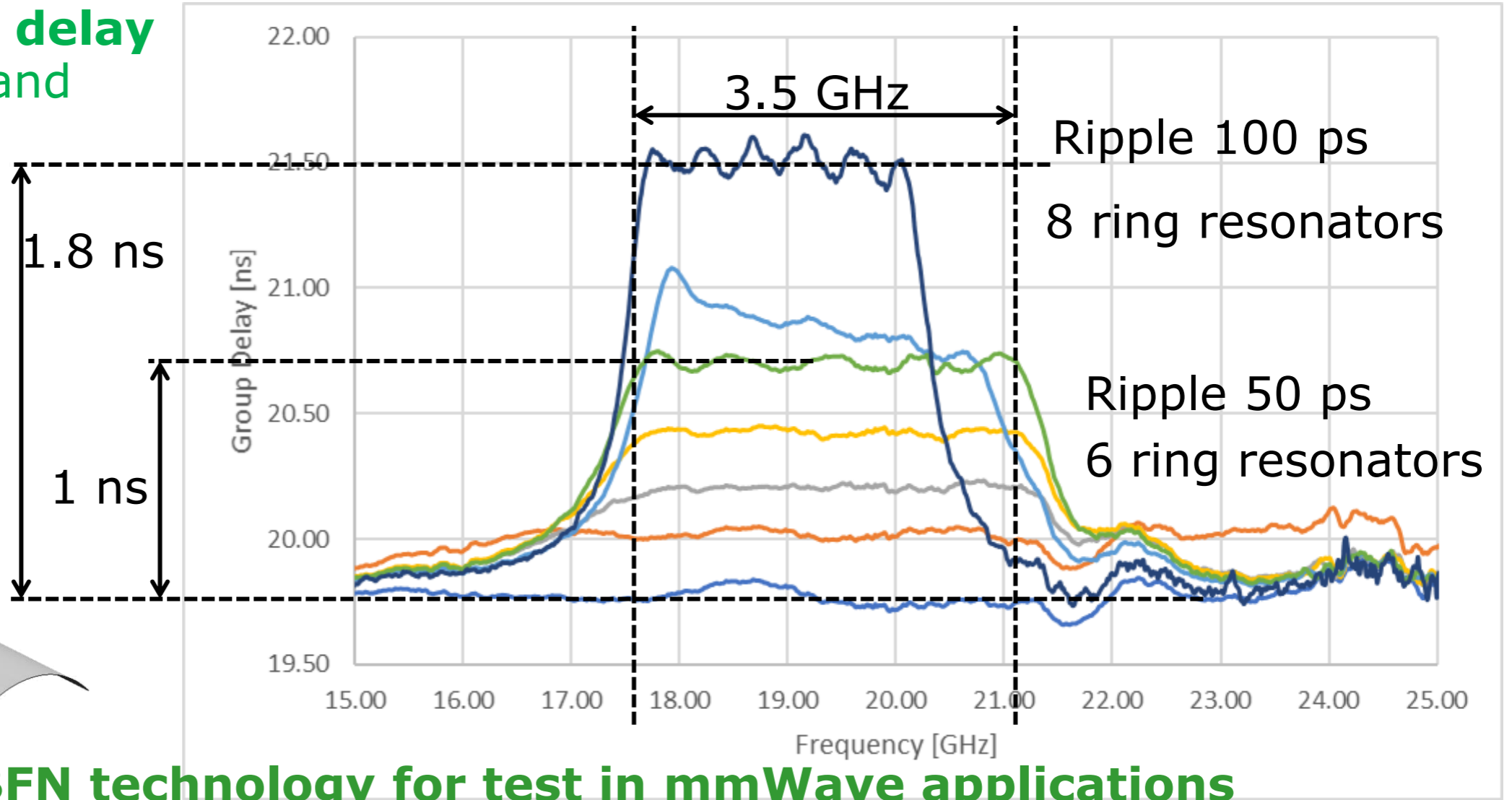
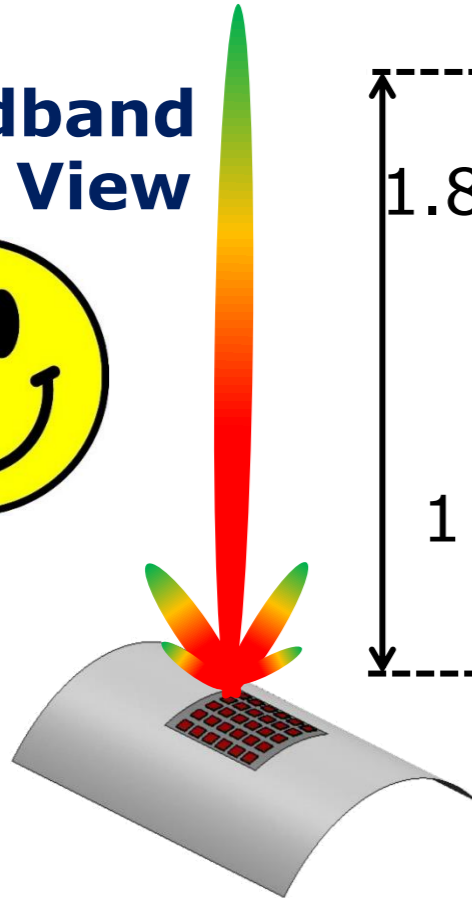
- Rx Phased Array Antenna (+Amplifier)
- Optical carrier generated by **narrow-linewidth laser**
- Conversion RF-in at modulator -> MWP signal
- **Photonic processing in Beamforming network**
- Combined optical output transferred through fiber

- 4x1 iOBFN Receive
- Integrated laser
- Integrated modulator array
- External photodetector (for remoting)
- Ring resonator (RR) based continuous delay

OBFN Rx RR Delay tuning 17.5–21.5 GHz

True Time delay
Broadband

✓ **Broadband**
✓ **Wide View**



We offer this iOBFN technology for test in mmWave applications