



5G

OFC 2021

POINT The logo for POINT 2, featuring the word "POINT" in green, followed by the number "2" inside a green circle with an arrow pointing clockwise.

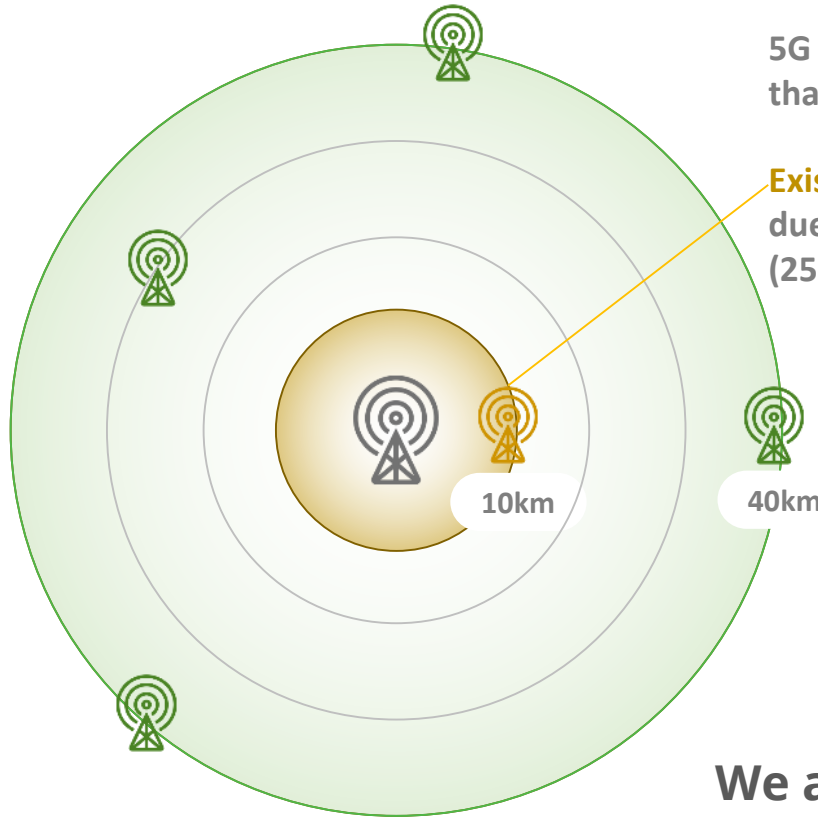
For Every Point-to-Point Connection



5G Mobile Network

Point2 Technology has a mission to bring to market the industry's most innovative networking solutions designed to meet the voracious and ever-growing bandwidth expectations of large network cloud systems.

As the industry demands faster, more efficient and reliable solutions, Point2 is meeting the challenge with the world's most advanced active electrical cables, RangeXtender™, E-Tube™, C-Tube™, and CDRs — all designed to reduce latency and lower system cost.

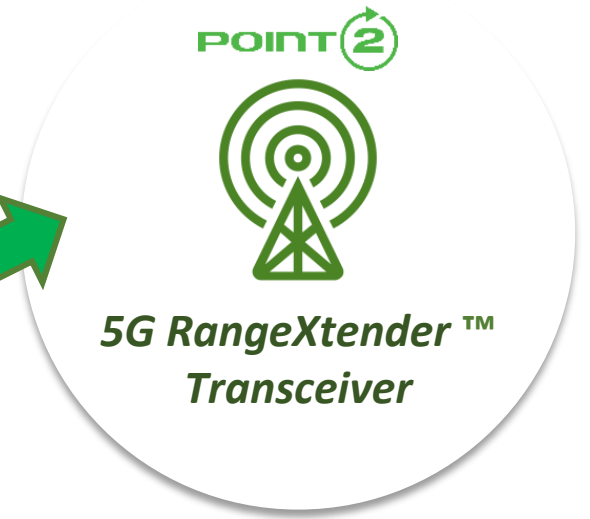
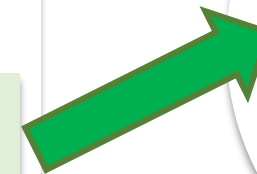


5G network requires 50 times more traffic than 4G, and 25Gbps link to be deployed.

Existing solution, the Max. reach is **10km** due to higher dispersion in 5G network (25Gbps).

Customer wants a single solution for all distances, covering up to 40km

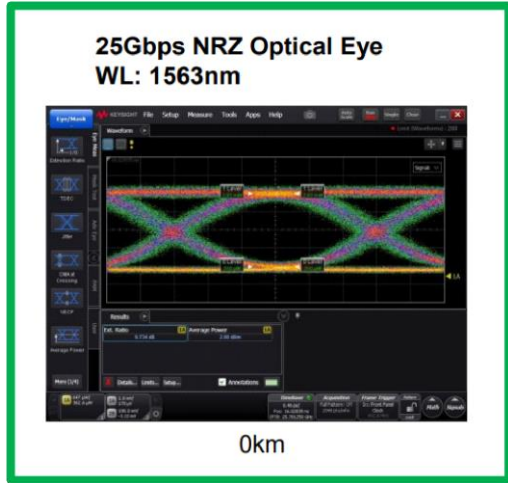
We are a major player in \$2B market!



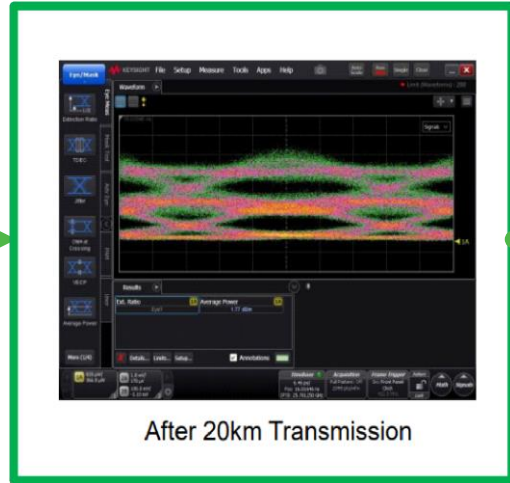
- 70% Cost Reduction
- Covering up to 40km
- BER <5E-5

Mobile network can reach up to 40km

Dispersed fiber output after 20km



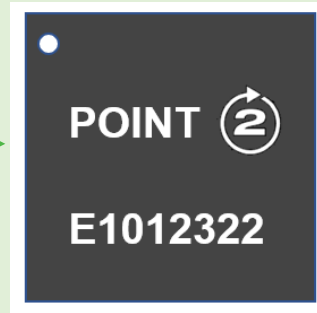
20km



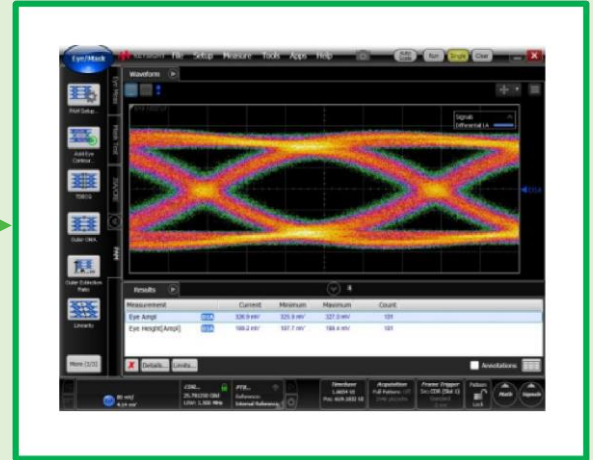
Dispersed eye after 20km

Original eye

POINT 2
RangeXtender™



Dispersion removed & BER improved!



- Extend the distance up to 40km.
- Electronic Dispersion Compensation(EDC) with Integrated CDR/retimer.
- Low latency(< 16ns)
- Low power (< ~9mW/Gbps)
- Better solution all-around compared to competitor's ADC-based

5G Mobile Network

RangeXtender™ IC

PT-E1012322



KEY FEATURES

- ◆ 2-lanes bi-directional EDC+CDR (25Gbps/lane)
- ◆ Low power consumption < 9mWatts/Gbps
- ◆ Background channel adaptation
- ◆ Integrated test features such as standard pattern generator/checker and internal, real-time internal eye scanner
- ◆ Embedded CPU allows full flexibility, customization and testability.
- ◆ Loopback (Remote and local) tests
- ◆ -40C ~ 85C operating temperature range.
- ◆ 3.8mmx3.8mm 64-ball fcCSP (0.4mm pitch)

RangeXtender™ allows the existing infrastructure to reach much longer distance

Thank you !
**We look forward to be
part of your system**

Contact : info@point2tech.com