



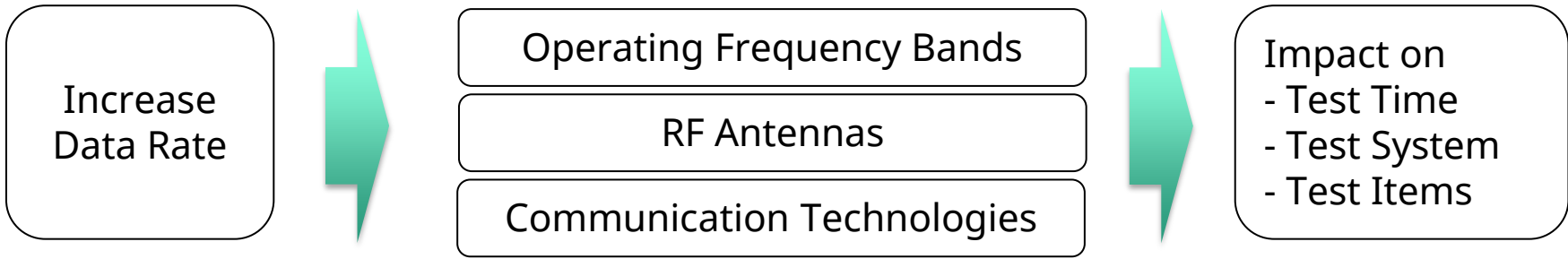
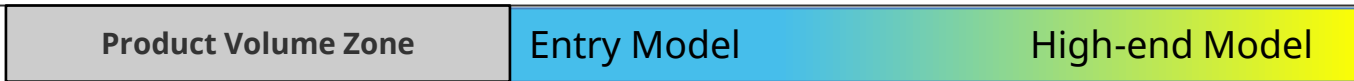
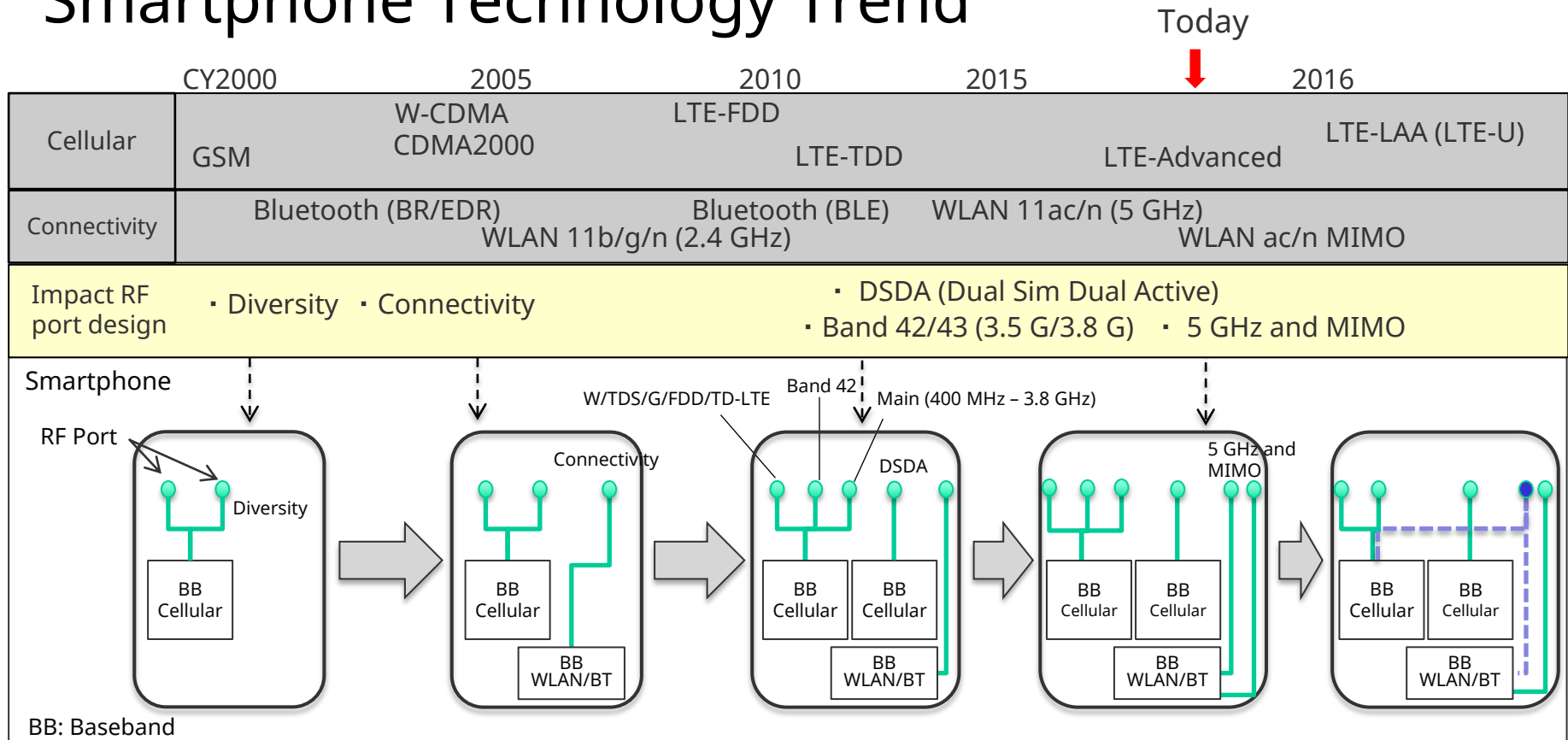
Efficient Mass Production - Cut Test Time, Prevent Problems -

Universal Wireless Test Set
MT8870A

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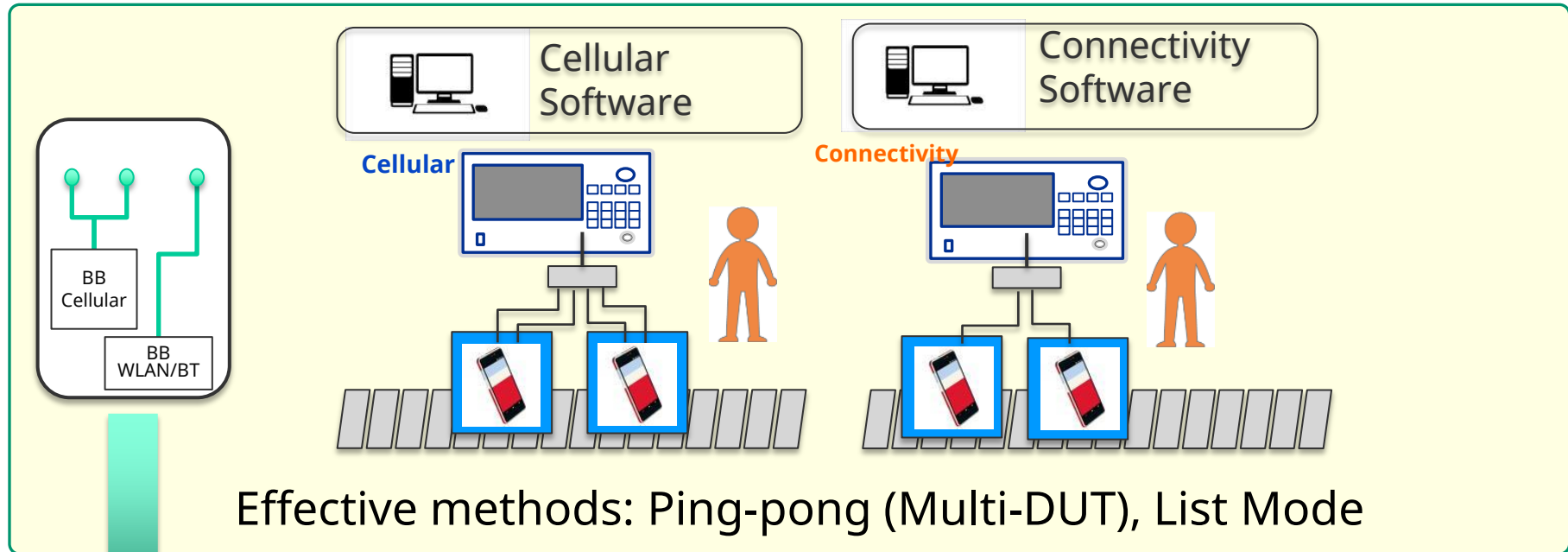
- Smartphone Technology Trend
- Current Test System
- For Continued Efficient Manufacturing
- Higher Throughput
- Universal Wireless Test Set MT8870A
- QSPR Support Status of MT8870A

Smartphone Technology Trend



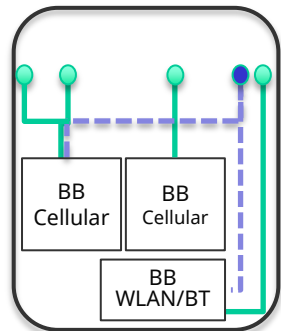
Current Test System

Existing test system optimized for current smartphones



Potential Problems

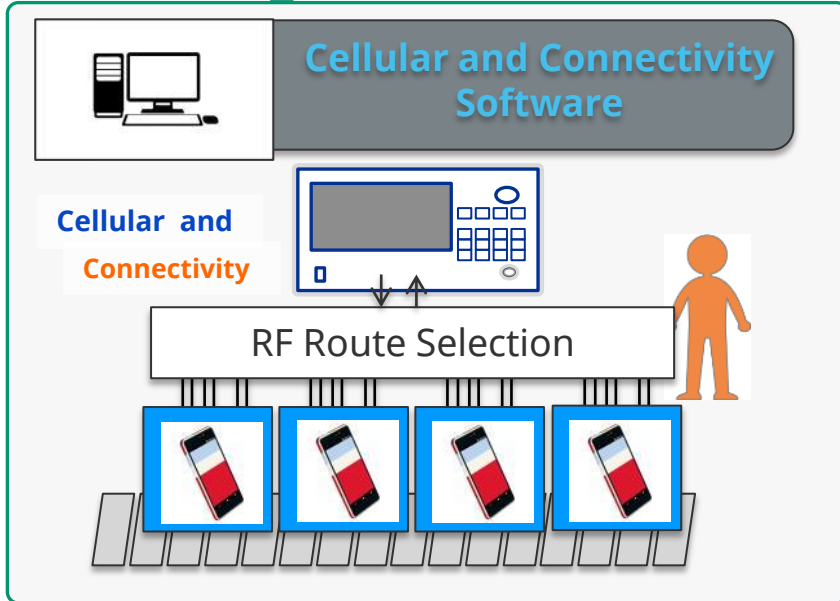
- Need to support multiple standards and wide frequency range
- Need to increase RF connectors for multi-DUT measurement
- Need to buy measurement instruments for new technology



For Continued Efficient Manufacturing

Thinking about future use?

One-Stage Measurement



Multi-standard, Shared Antennas

One-Stage Measurement

Multi-DUT Measurement

Ping-Pong Measurement Scheduler

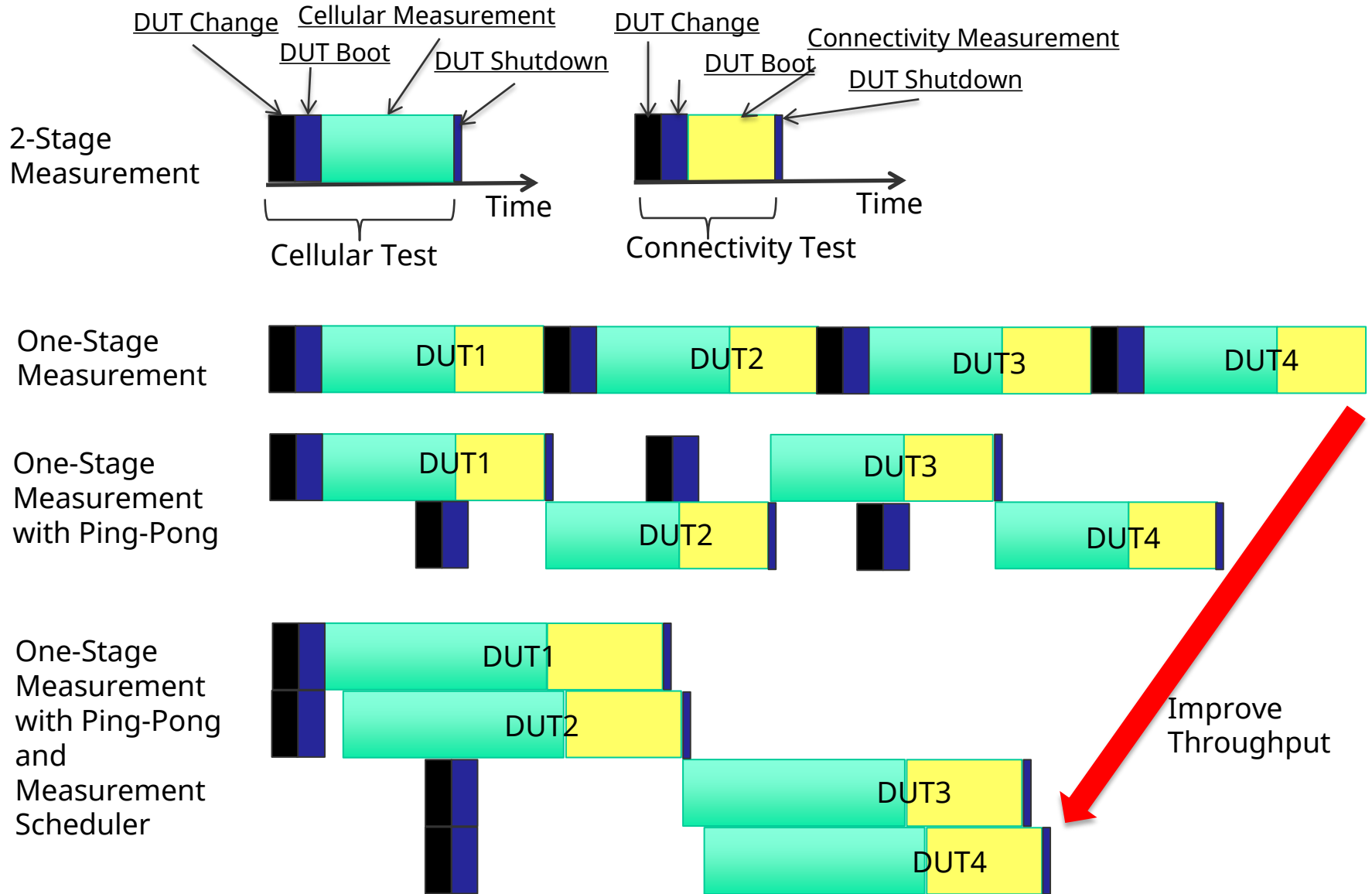
Number of Connectors

**Multi-port Switch
(Up to 32 ports)**

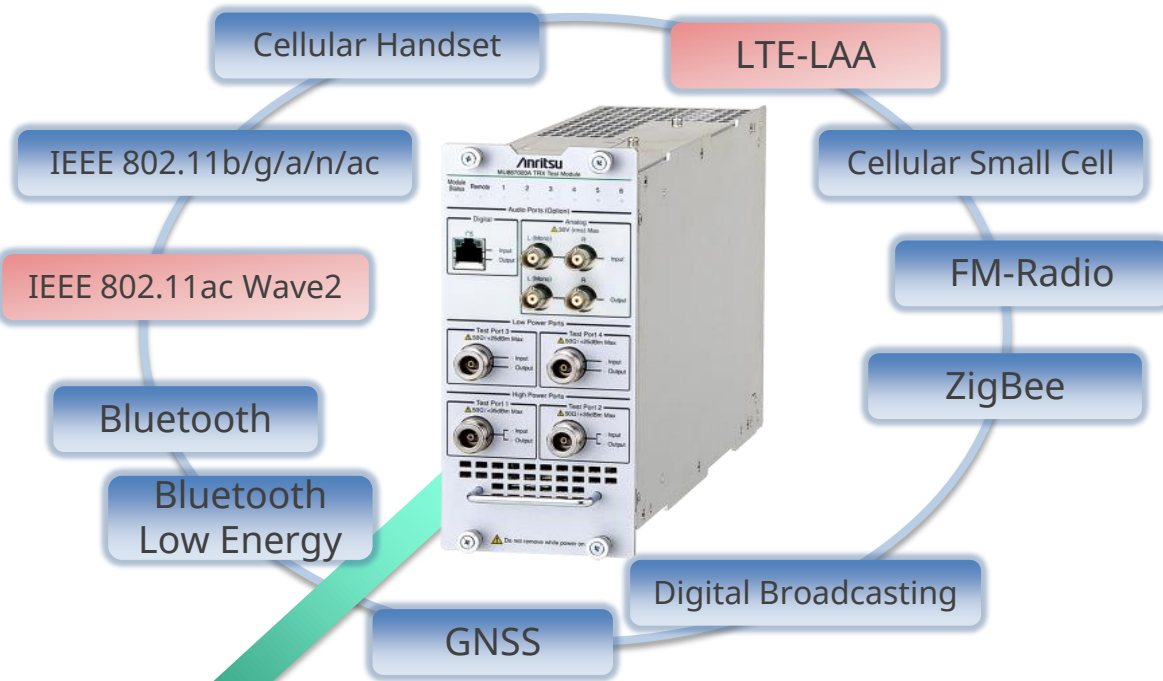
More Improvements

- **Efficient Instrument Use (Cover all measurements)**
- **Better First Run Rate (Simple and reliable test system)**
- **Lower Operating Cost (Fewer operators and jigs, smaller footprint, etc.)**

Higher Throughput



Universal Wireless Test Set MT8870A



MU887000A TRx Test Module

- 10 MHz to 6 GHz wide frequency
- 160 MHz bandwidth
- Four RF connectors
- Multi-standards
 - All cellular standards
 - Small Cell
 - Wi-Fi (IEEE802.11b/g/a/n/ac)
 - Bluetooth (BR/EDR/BLE)
 - Bluetooth Low Energy
 - GNSS (GPS/BeiDou/GLONASS/Galileo)
 - ZigBee (IEEE 802.15.4)
 - Digital broadcasting (DVB)
 - Analog (FM) broadcasting
 - IEEE802.11ac wave2
 - LTE-LAA (LTE-U)



MT8870A

- Supports configuration of up to four instruments (MU887000A)

MN8116A Multi-port Switch

- Increases RF connectors to 32 ports max. for **'Ping-Pong'** and **'One Stage Measurement'**.

