

# APCO International Emerging Technology Forum

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## Topics

• Dual SIM/e-SIM

• Carrier Aggregation

• Internet of Things



## Dual SIM/e-SIM

- Allows single user device to access multiple carrier networks
- Modes
  - Passive
  - Standby
  - Active
- Google Project Fi

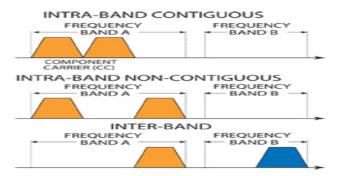


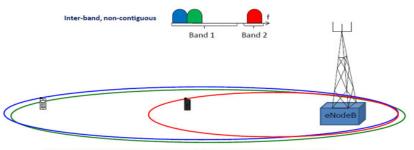




### **Carrier Aggregation**

- LTE-Advanced
- Allows up to 5 component carriers 100 MHz
- Intra-band v. Inter-band



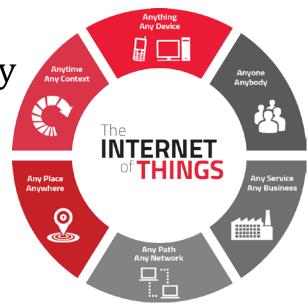


Primary Serving Cell (PSC), Primary Component Carrier (PCC), RRC connection and data Secondary Serving Cell (SSC), Secondary Component Carrier (SCC), user data Secondary Serving Cell (SSC), Secondary Component Carrier (SCC), user data



## Internet of Things

- Increasing connectedness
- Cross-architecture/interoperability
- Enhanced situational awareness
- Reduce response time
- Improved evidence management
- Decreased costs





#### Questions or comments?