IOTEACH LTD

LTE Physical Layer

Research, Design, Deploy for LTE Advanced

Physical Layer Design for LTE Advanced

Prototype, Design and Analyse LTE Physical Layer.

Long Term Evolution LTE Advanced is potentially standard for cellular mobile communication systems worldwide. It increases the capacity and data transfer speed of mobile telephone networks used mainly for data communication. With advancement towards 5G technology to meet expectations for the connected world of IOT, requirement for quickly prototyping the design and analysis of Physical Layer is quintessential.

1

LTE

Prototype, design and advance LTE Physical Layer

2

MIMO

Multiple Input Multiple Output Data transmission Technologies

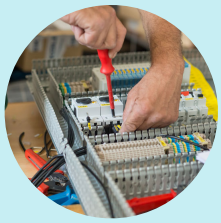
3

OFDM

Design and Analyse Orthogonal Frequency Division Multiple Access.

Consultation

We are trusted to bring inventive solutions to complex technical challenges



System Integration

Our solutions range from hand-held systems to full turnkey solutions.

Support

Ioteach staff and Thames Community are available if needed. Please visit our website for more information.

Product data sheet

Rapid Prototyping of LTE Physical layer analysis solutions as desktop, laptop or industrial control panel installation for all environmental and climatic conditions.

- scalable bandwidths of 1.25, 2.5, 5.0, 10.0 and 20.0 MHz.
- Spectrum efficiency- Downlink: 3 to 4 x HSDPA, Uplink: 2 to 3 x HSUPA (Rel. 6)
- Prototype and design advanced technologies that are new to cellular applications. For instance, Orthogonal Frequency Division Multiplexing (OFDM) and Multiple Input Multiple Output (MIMO) data transmission.
- Support for the design and analysis of Orthogonal Frequency Division Multiple Access (OFDMA) on the downlink (DL) and Single Carrier – Frequency Division Multiple Access (SC-FDMA) on the uplink (UL).
- Latency
  - C-plane: <50 – 100 msec to establish U-plane
  - U-plane: <10 msec from UE to server

Order Procedure

You are entitled to receive full design and engineering consultation service using our Consultation Package. Proceed and click Add to Cart to make swift payment online. We would follow up with Requirement Questionnaire that we send to email address registered with us. We review your submitted response and then call you or email back with full design architecture including all components-hardware and software. We would also submit estimated quotation for LTE Physical Layer Design System to meet your objectives. We are available via email and phone so please do not hesitate to contact us should assistance is required with your order. We look forward to working with you.

FURTHER INFORMATION

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