

## APIX2 Compliance Measurement

### Scope:

A typical APIX link features high-speed video and data transmission of several Gigabit per second. The APIX link from the transmitter to the receiver requires a thorough design of the PCB, connector and cable for the RF like high-speed connection, to achieve robust and error free data transmission. As part of its services Inova semiconductors offers to its customers, APIX Link compliance measurements against the AN204 Revision 1.1 specification. Compliance Measurements are possible for both the APIX transmitter and or APIX receiver system.

### Transmitter

#### Requirements:

The customer has to provide the following information and a prototype of its design:

Transmitter:

- Customer Hardware with SPI access to the INAP device  
Alternatively access via software interface (i.e. Linux Shell)
- Target cable at final length, used in the end application

#### Effort:

- 8h engineering (room and hot temperature testing)

#### Deliverables:

Compliance Measurement according to APIX2 compliance specification (MP1, MP2)

- Optimized FIR settings for the target cable lengths
- Compliance report

#### Order id/Cost:

APIX\_COM\_T            EUR 1.600,-

Receiver:

Requirements:

- Customer Hardware with SPI access to the INAP device

Effort:

- 8h engineering (room and hot temperature testing)

Deliverables:

- Compliance Measurement according to APIX2 compliance specification (MP3, MP4)
- Compliance report

Order id/Cost:

APIX\_COM\_R            EUR 1.600,-