



## OM7921

Variable gain amplifier BGA7210 customer evaluation kit

### Demo board description

The BGA7210 customer evaluation kit enables the user to evaluate the performance of the variable gain amplifier BGA7210. The kit comes with a USB-interface board and customer software which allows you to use your PC to control the SPI interface of the BGA7210. You can set the attenuation state and advanced features as current consumption and power down. The kit also provides BGA7210 samples for prototyping, a RF calibration-track for de-embedding of the RF board, product documentation and a USB extension cable to facilitate the work at the RF bench.

### Features

- Samples for prototyping
- RF board can be powered through USB connector
- Out of the box evaluation of the fully populated RF board
- Calibration tracks for RF board de-embedding
- Plug & play control software, no driver installation required

### Descriptive summary

#### Evaluation board content

- RF evaluation board
- USB interface board
- Flat cable
- Samples
- USB flash drive containing: user manual, evaluation software, datasheet, etc
- ESD safe casing

#### Applications

GSM, W-CDMA, WiMAX & LTE Wireless Base stations, Wireless Point to Point and Wireless repeater applications. But also WiMAX base stations, Cable modem termination systems & temperature compensation circuits.

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- [General product disclaimer](#)
- [Quality and reliability disclaimer](#)

### Documentation for this product

[Download all documentation \(zip\)](#)

| Filename | Type        | Format | Title  | Date       |
|----------|-------------|--------|--|------------|
| BGA7210  | Data sheet  | pdf    | 700 MHz to 3800 MHz high linearity variable gain amplifier (v.2.0) | 2012-01-04 |
| UM10480  | User manual | pdf    | Variable gain amplifier BGA7210 (v.2.0)                            | 2011-07-26 |

### Demo boards

| Type number    | Ordering code(12NC) | Orderable part number | Products status   | Region | Distributor | In stock | Order quantity | Inventory date | Buy online |
|----------------|---------------------|-----------------------|-------------------|--------|-------------|----------|----------------|----------------|------------|
| OM7921/BGA7210 | 9340 661 23598      |                       | Volume production |        |             |          |                |                |            |

### Products

| Type number | Description  | Status | Quick access   |
|-------------|--|--------|--|
| BGA7210     | 700 MHz to 3800 MHz high linearity variable gain amplifier |        | <a href="#">Download datasheet</a><br><a href="#">Order sample</a> |

## Support

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If you have any questions related to this product please contact our support team via the support form:  
<http://www.nxp.com/techsupport/>