



iBwave
Design

TECHNICAL NOTE

**VGMIMO152011MB - CORE™ In-Building MIMO
LOW PIM Rated Dual-Polarized Omni Ceiling
Mount Antenna: 698-2700 MHz.**

Product: iBwave Design
Version: 6.0 and higher
Published: 2015-08-19

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OVERVIEW

This document explains the procedure to use **VGMIMO152011MB - CORE™ In-Building MIMO LOW PIM Rated Dual-Polarized Omni Ceiling Mount Antenna by Venti Group** in iBwave Design.

The following topics are covered:

- ✍ LIMITATION IN DATABASE EDITOR
- ✍ WORKAROUND
- ✍ HIDE ANTENNA IN REPORTS

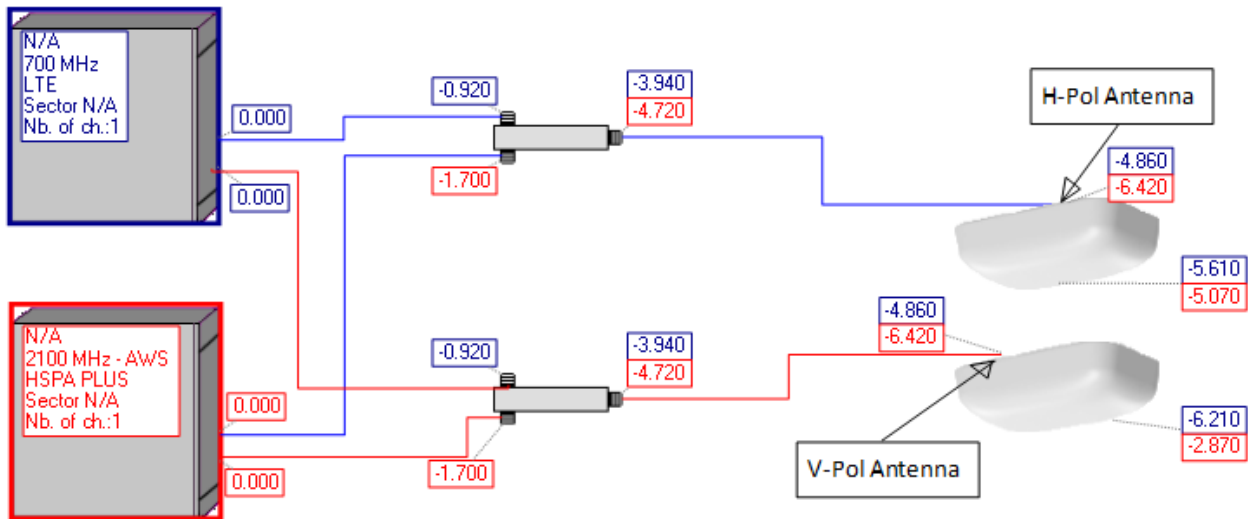
LIMITATIONS IN DATABASE EDITOR

VGMIMO152011MB - CORE™ In-Building MIMO LOW PIM Rated Dual-Polarized Omni Ceiling Mount Antenna has both vertical and horizontal polarized antennas housed within one enclosure. For each frequency band, two different pattern files need to be loaded to account for vertical and horizontal polarizations.

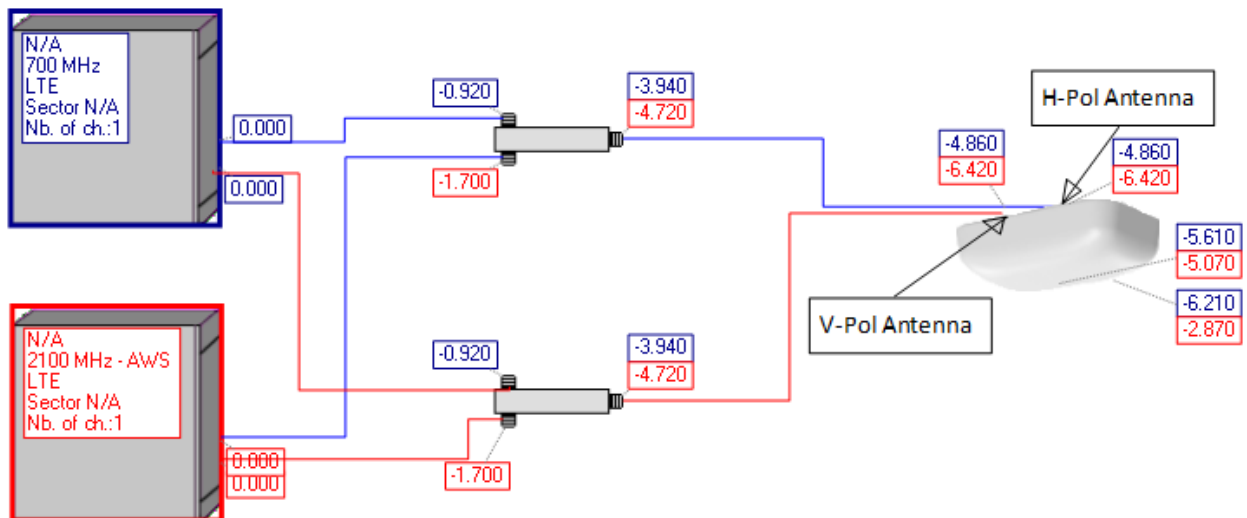
Currently it is not possible to import both horizontal and vertical patterns in one single antenna. So a workaround is needed to model the antenna completely in iBwave Design.

WORKAROUND

Two antennas are modeled, one for each polarization. MIMO stream 1 is connected to horizontally polarized antenna while the 2nd MIMO stream is connected to V-polarized antenna as seen below.

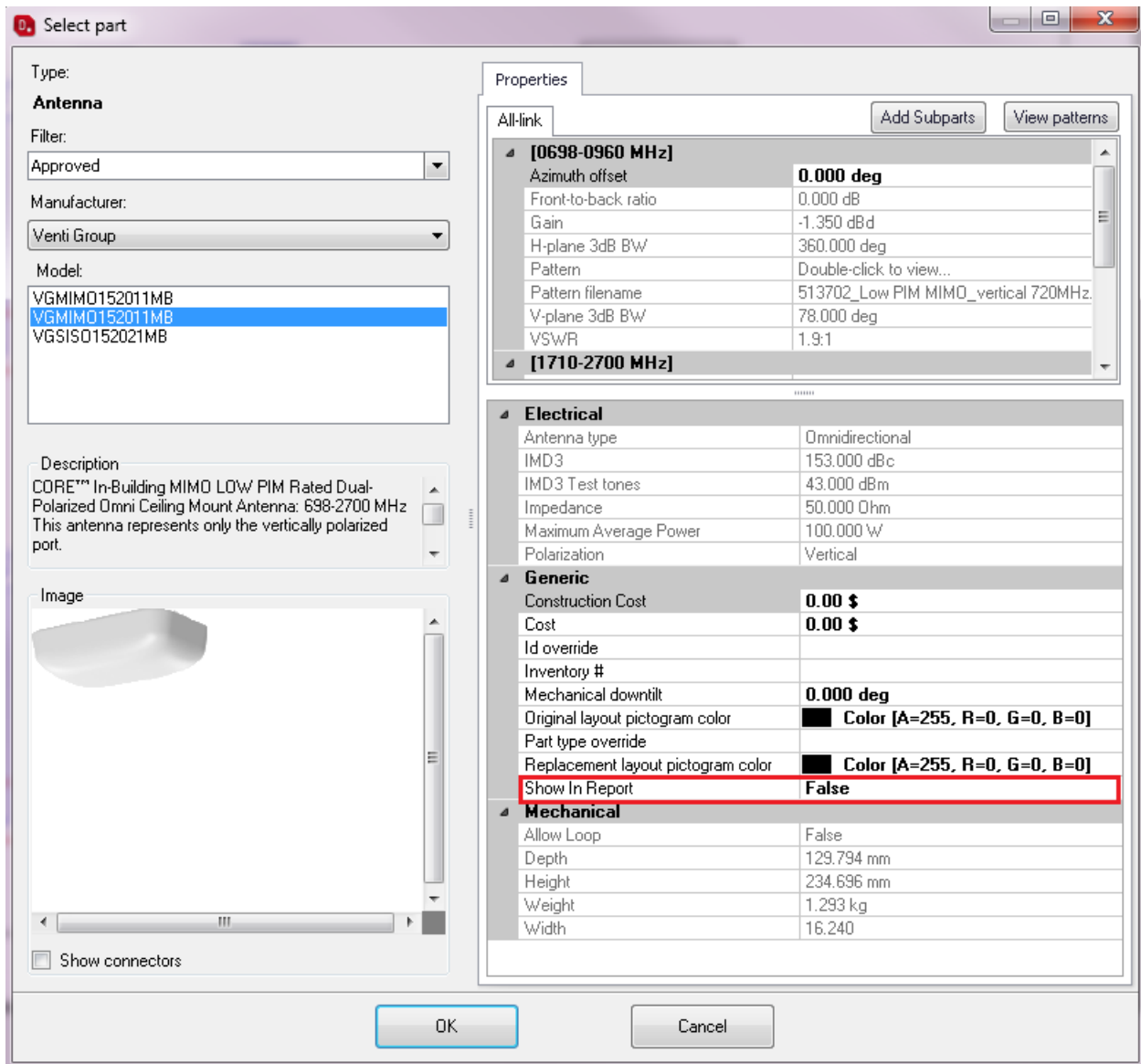


After both MIMO streams are connected to both antennas, the two antennas can be placed on top of each other to mimic one physical antenna.



HIDE ANTENNA IN REPORTS

To accurately account for the bill of material, one of these two antennas is hidden in reports by setting “Show in Report” to ‘False’ within part properties as seen below:



CONTACTING CUSTOMER CARE

If you encounter any problems using iBwave Design, or if you have any questions, please send your inquiries to Customer Care:

- ✍ **Email:** support@ibwave.com
- ✍ **Phone:** 1 514 397-0606, extension 610

You can also:

- ✍ Log into the iBwave Customer Portal, and create a request in the **My Cases** section:
- ✍ <http://www.ibwave.com/language/en-US/MyiBwave.aspx>
- ✍ Check if your questions have been answered in the **Knowledge Base** section of the iBwave Customer Portal



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