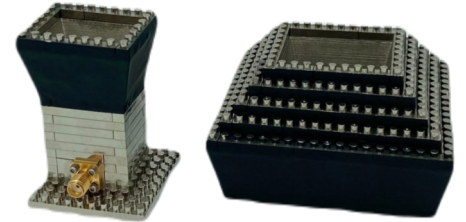




Antenom Antenna Technologies to Exhibit 20 GHz Horn Antenna Kit as well as Block-based Anten'it Antenna and Microwave Prototyping and Training Products at IMS 2024 Booth #1262



Antenom extends its block-based antenna design and training kits to higher frequencies with the Horn Antenna Kit, operating up to 20 GHz. Antenom will be exhibiting the **20 GHz Horn Antenna Kits** for the first time at IMS 2024 at booth 1262 in Washington DC.



AROUND 50 DIFFERENT HORN ANTENNAS WORKING BETWEEN 1.7 GHZ TO 20 GHZ AND HAVE DIFFERENT ANTENNA GAINS

This kit can build the desired horn antenna structure using reusable Anten'it blocks up to 7.5 GHz, and at higher frequencies up to 20 GHz using curved blocks. Thus, instead of purchasing separate antennas for each antenna gain, many different apertures with different gains can be added to a single antenna.



The adapter part, to which the antenna connector is connected, is built with Anten'it blocks, while the aperture part is built with Anten'it blocks at frequencies up to 7.5 GHz, and with curved aperture blocks at higher frequencies.

Anten'it horn antenna kit includes datasheets and building instructions, 3D CAD files that you can import into any simulation tool, CST Studio and Empire XPU model files for about 50 antennas. These datasheets include S11 reflection coefficients, antenna gain, antenna factor, front to back ratio graphs and radiation patterns in E and H planes. Thus, if you need horn antennas in your project, you can easily select the antenna from the datasheets and build that antenna by following the building instructions document. For example, instead of purchasing 10 dBi, 15 dBi and 20 dBi gain antennas at a frequency range, you just need to add the larger blocks to the aperture. If you want to change the frequency, you need to reassemble the structure with the blocks.





Antenom is also working a higher frequency version working up to 40 GHz. It is possible to add the remaining parts of the higher frequency kit and upgrade your kits anytime after having 20 GHz version of the kit.

ANTEN'IT ANTENNA AND MICROWAVE TRAINING KITS

Different from any other training kit, block-based design kits allow students to design their own antennas and microwave components during the time-limited laboratory lectures. The kits are also useful for research purposes. [Anten'it Antenna Training Kit](#) and [Anten'it Microwave Training Kit](#) provide students to design their own antennas or components, then measure and iterate.

Antenom senior staff will be available to discuss how we can make you successful in antenna & [microwave prototyping](#) and training. To **schedule an appointment**, please send an email to the contact person in this document.

R&D needs to test the ideas rapidly and check if they are appropriate for the application. The reusable blocks of this concept eliminate the loss of time and cost to check the ideas. It is practical to use the blocks to build microwave components or antennas. Anten'it is the only [antenna prototyping](#) tool in the market.

The datasheet booklet and antenna/microwave component building instructions within the kit allow the designers and researchers to use the products easily. Similar to a standard component selection, researchers can select the appropriate component for their application, follow the building instructions and build the component.

For more information about Anten'it products, please visit www.antenit.com and about the company www.antenom.com.

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