

# NEWSLETTER 1.4

Jan 2023

## The 4th Anten'it Newsletter



**Anten'it Library Software for Antenna and Microwave Kits will be launched soon!**



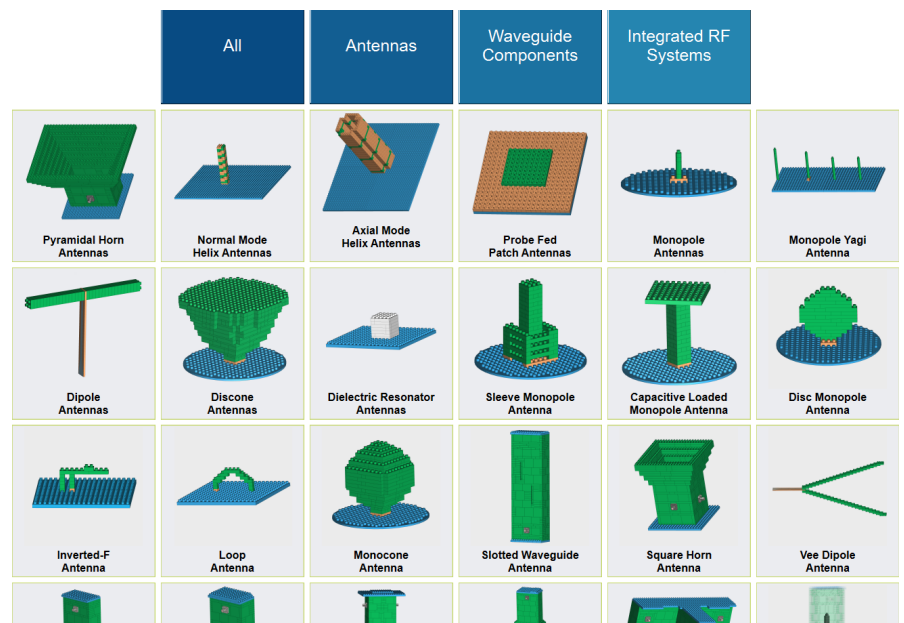
### Summary of Content

- Anten'it Library Software for Antenna and Microwave Kits
- Anten'it Antenna Training Kits in the European School of Antennas and Propagation 2022
- Junkosha Technology Innovator of the Year Finalist
- Anten'it products were exhibited at EuCAP 2022, APS/URSI 2022, IMS 2022, and EuMW 2022.
- New Anten'it Publications in IEEE Explore

3D CAD files, CST Studio, and Empire XPU models of antenna and microwave components as well as the bricks can be downloaded easily from Anten'it Library Software. 3D CAD files can also be imported into other simulation software tools.

**A complete solution, combining the hardware bricks with the simulation tools!**

The Anten'it library software increases the capability of the Anten'it hardware and creates a complete solution, including simulation and realization.



**3D CAD files, CST Studio, and Empire XPU files can be downloaded from Anten'it Library Software!**

Axial Mode Helical Antennas						
Central Frequency [GHz]	VSWR	Polarization	Gain [dBi]	Antenna Code	Datasheet	Antenna Building Instructions
2.0-2.87	<2.0	LHCP	7-9.3	002A-AMHA-128-2-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
2.0-2.87	<2.0	RHCP	7-9.3	002A-AMHA-128-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.47-2.86	<2.0	LHCP	5-10	002A-AMHA-128-2-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.47-2.86	<2.0	RHCP	5-10	002A-AMHA-128-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.76-3.80	<2.0	LHCP	6-8.5	002A-AMHA-128-2-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.76-3.80	<2.0	RHCP	6-8.5	002A-AMHA-128-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.85-3.80	<2.0	LHCP	6-9.7	002A-AMHA-128-2-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
1.85-3.80	<2.0	RHCP	6-9.7	002A-AMHA-128-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
2.34-4.0	<2.0	LHCP	6-8.0	002A-AMHA-128-2-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
2.34-4.0	<2.0	RHCP	6-8.0	002A-AMHA-128-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
2.14-4.0	<2.0	LHCP	6-9.6	002A-AMHA-080-2-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
2.14-4.0	<2.0	RHCP	6-9.6	002A-AMHA-080-3-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
3.6-5.6	<2.6	LHCP	8.5-10.7	002A-AMHA-080-3-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
3.6-5.6	<2.6	RHCP	8.5-10.7	002A-AMHA-032-5-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
3.6-5.6	<2.6	LHCP	9.3-11.0	002A-AMHA-032-5-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
3.6-5.6	<2.6	RHCP	9.3-11.0	002A-AMHA-032-7-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
4.6-6.0	<3.0	LHCP	8.3-9.6	002A-AMHA-032-7-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
4.6-6.0	<3.0	RHCP	8.3-9.6	002A-AMHA-016-5-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
4.6-6.0	<3.0	LHCP	8.9-9.9	002A-AMHA-016-5-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
4.6-6.0	<3.0	RHCP	8.9-9.9	002A-AMHA-016-6-LHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>
4.6-6.0	<3.0	RHCP	8.9-9.9	002A-AMHA-016-6-RHCP	<a href="#">DS-PDF</a>	<a href="#">ABI-PDF</a>

### Anten'it Antenna Training Kit at European School of Antennas and Propagation 2022!

Anten'it kits are used in the lab section of the "Fundamentals on Antennas" course given at the European School of Antennas and Propagation. The course was organized by Prof. Daniel Segovia-Vargas at Universidad Carlos III de Madrid Radiofrequency, Electromagnetics, Microwave and Antennas Research Group (GREMA-UC3M).

The participants had five days of courses, including two half days of laboratory sections with Anten'it kits. They designed thin monopole, thick monopole and capacitive loaded monopole antennas on the first day and sleeve monopole antennas on the second day. Then, the radiation patterns of a reusable block based horn antenna and an axial mode helical antenna with circular polarization are measured.



European  
School  
of Antennas  
and Propagation

**2022**



### FUNDAMENTALS ON ANTENNAS

UC3M, Madrid, October 17-21

Coordinator: D. Segovia



Jan 2023



**Antenom Antenna Technologies was in the top 5 finalists of the Junkosha Technology Innovator of the Year Award with its Block-Based Antenna & Microwave Design Methodology**

Anten'it block-based antenna and microwave design methodology was one of the five finalists of the Technology Innovator of the Year Award.

There were two RF companies, two medical companies, and a university on the shortlist.



**Antenom exhibited in EuCAP 2022, APS/URSI 2022, IMS 2022, and EuMW 2022 after the pandemic.**

**Prof. Dr. Constantine Balanis visited the Antenom booth at APS/URSI 2022**

The iconic/famous antenna professor of the world Prof. Dr. Constantine Balanis visited our booth at APS/URSI 2022, and we talked about the block-based antenna design and teaching methodology.

***EuCAP 2022 with Alan Waller***

We took part in EuCAP 2022 with Alan Waller who is the manager of our distributor Capax Infinity in Spain.



**New Anten'it Publications in IEEE Explore**

1. "[Multi-Hole Waveguide Directional Coupler Design via Brick-Based Microwave Design Methodology](#)", 2022 52nd European Microwave Conference (EuMC), 2022, pp.888-891, doi: 10.23919/EuMC54642.2022.9924335.

2. "[Microwave Band-Stop Filter Design via Brick-Based Microwave Training Kit](#)", APS/URSI 2021, 4-10 Dec. 2021.

[sales@antenit.com](mailto:sales@antenit.com)

[www.antenit.com](http://www.antenit.com)