



EVALUATION KITS

Laboratory Kits for Microwave Generators

To speed up the evaluation of the highly innovative LEANFA technology, characterized by an optimal combination of solid-state microwave generators and advanced software algorithms, we have conceived two **Evaluation Kits**, ready for a true plug-and-play experience.

The **STARTER Evaluation Kit** is built around **one** 2450MHz 250W OEM generator, and it comes with a USB interface card, a forced-air cooling system, an AC/DC switching power supply and with the *LeanOn* Control and Monitoring application for Windows OS. It is the basic kit to learn the advantages of our solid-state generators in terms of parametric accuracy, real-time interaction with the processed material and extreme operating flexibility, featuring CW and pulsed radiation modes.

The **PHASESHIFTER Evaluation Kit** is built around **two to four** 2450MHz 250W OEM amplifiers, and it comes with a USB interface card, a forced-air cooling system and an AC/DC switching power supply for each included amplifier and an **advanced synthesizer** with multiple outputs capable of accurate frequency synchronization and 360° independent phase rotation. The hardware kit is accompanied by the *LeanOn* Control and Monitoring application for Windows OS.

The software comes with real-time diagrams and produces complete data reports. Optionally, the *LeanOn* application can be provided with a smart **Recipe Editor**, very useful to test the **KOPERNICOOK®** concept, allowing advanced thermal profile engineering without using stirrers or turntables.



QUICK OVERVIEW

Evaluation Kits featuring 1 to 4 OEM solid-state modules

“STARTER” Evaluation Kit for basic technology assessment

“PHASESHIFTER” Evaluation Kit for advanced R&D experimentation

80-275 Vac universal power supply

2400-2500MHz frequency range

Real-time measurement of reflected power

LeanOn PC software platform for advanced Monitoring & Control

CW and pulsed radiation modes

Provided with forced-air cooling

Fully isolated RF output stages

Optional Recipe Editor for PHASESHIFTER kit

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Technical Specifications

	"STARTER" EVALUATION KIT
Items included	1 pc. 2450MHz 250W OEM generator with N output 1 pc. forced-air cooling system 1 pc. USB interface card 1 pc. AC/DC 600W power supply <i>LeanOn</i> Control and Monitoring application for Windows OS
Operating Frequency	2400-2500MHz step 2MHz
Radiation Modes	CW and Pulsed
	"PHASESHIFTER" EVALUATION KIT
Items included	2 to 4 pcs. 2450MHz 250W OEM amplifiers with N output 2 to 4 pcs. forced-air cooling systems 1 pc. USB interface card 2 to 4 pcs. AC/DC 600W power supplies 1 pc. advanced synthesizer with 2 to 4 outputs <i>LeanOn</i> Control and Monitoring application for Windows OS
Operating Frequency	2400-2500MHz step 100kHz, all modules synchronized
Phase Shift	0° to 360° step 1.4°
Radiation Modes	CW and Pulsed
Software Option	Recipe Editor for <i>LeanOn</i> platform



"STARTER" Evaluation Kit



"PHASESHIFTER" Evaluation Kit