MV**S**phere

State-of-the-art software to perform spherical near-field to far-field transformation from any measurement system

The MV-Sphere software performs near-field to far-field (NF to FF) transformations from spherical measurements made in the near-field. MV-Sphere comes with many standard and advanced functionalities that improve measurement accuracy (e.g. probe correction, modal filtering) and provides more information (e.g. holography). Part of the Wavestudio software suite, MV-Sphere can also run as a stand-alone program and therefore be used with any single or multi-probe system (MVG and others) capable of spherical near-field measurements.
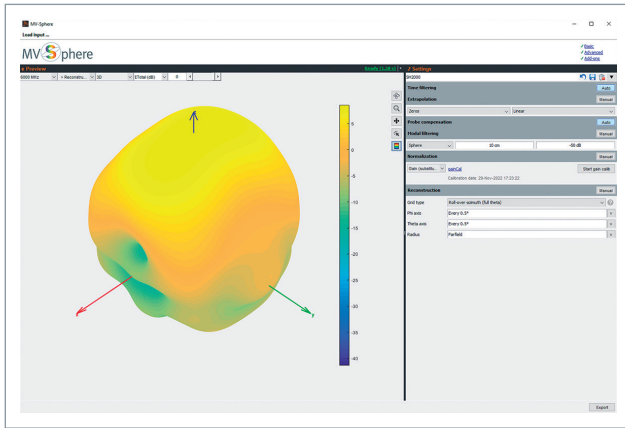
KEY FEATURES

+ Integrated or stand-alone

+ **Fast and accurate** processing based on Spherical Wave Expansion (SWE)

+ **User-friendly GUI** with **preview** of the results

+ Standard functionalities based on solid and well-established theory

+ **Advanced functionalities:**
  • Full probe correction (almost any type of antenna can be used as a probe)
  • Reduction of scan truncation errors
  • Virtually rotate/ Translate after measurements

Packages and functionalities

BASIC	ADVANCED	ADD-ONS
• Spherical NF/FF transformation	• Spherical Back/Forward propagation	• Full probe correction
• Spherical Modal filtering	• Planar back projection	
• Extrapolation of truncated areas	• First order probe correction	
• Gain Calculation (with substitution & direct methods)	• Time Domain Filtering	
	• Frequency drift compensation for on-the-fly axis	
	• Use of real probe positions	
	• AUT rotation & translation	
	• Iterative extrapolation of truncated areas	

mvg Microwave Vision Group

For more information:
https://mvg.link/mv-sphere

Contact us:
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