

EMProbe-DBM-E6

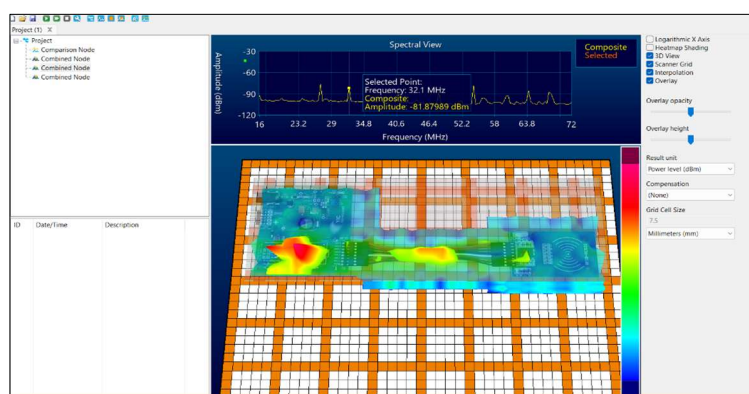
Datasheet

Accurate and Repeatable High-Resolution EMC and EMI diagnostic with a Single Probe, Robotic Arm with 6 Axis on your lab-bench.

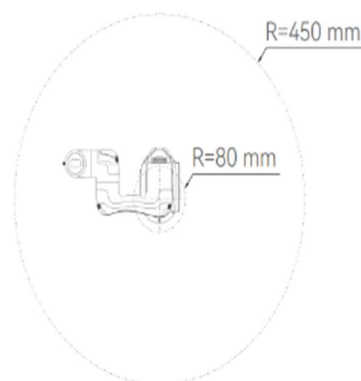
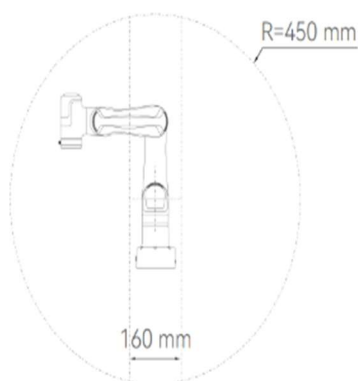
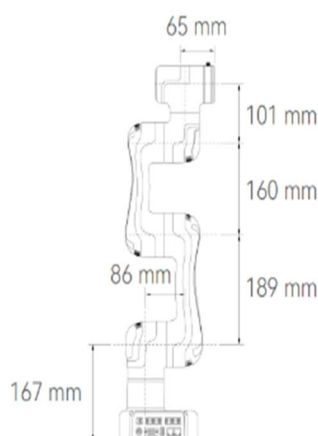


Using Handheld probes to identify and resolve EMC/EMI issue testing has never been this accurate. **3D Precision Technology** used to assist high density board designers to use off the shelf hand-held probes and/or Y.I.C. Technologies probes and visualise the root causes of potential EMC and EMI problems during pre and post EMC compliance testing.

The EMProbe-DBM – E6 is equipped for high performance and accurate scanning and has a repeatability of 0.01mm. This enables the design engineers to diagnose EMC/EMI problems limited only by the choice of the Spectrum Analyser and the Near Field Probe and allows them to visualize the root causes of potential EMC and EMI problems of a non-flat surface or of a complete product.



WORKSPACE



FEATURES AND SPECIFICATIONS

Capability	Spectral scan, spatial scan, peak-hold, continuous scanning, spectral and spatial comparison, scripting, limit lines and report generation.		
Supported Spectrum Analysers	Spectrum Analyzers which have SCPI commands will be supported by the EMViewer software.		
Supported Operating Systems	Windows 11®		
Supported CAD overlays	Standard Gerber© JPEG and PNG		
Max Frequency coverage	Up to 14GHz with the supplied Y.I.C. Technologies Probes		
Spatial resolution	High Resolution: 7.5mm to 0.1mm		
Scan area	450 mm Radius		
Scan Height (Max)	Range of Motion	J1 J2 J3 J4 J5 J6	± 360° ± 135° ± 154° ± 160° ± 173° ± 360°
Frequency accuracy of peaks	Peak marking accuracy of spectrum analyser		
Probe to probe uniformity	Dependent on the selected probe		
Maximum radiated power load	Dependent on spectrum analyser and the probe performance		
Operating temperature	From 0 ⁰ C to 40 ⁰ C Humidity: 25 – 85% non-condensing		
NET Weight	7.2Kg (Excluding cables and the adaptor		

INCLUDED PROBES

Y.I.C. Technologies **NFP**Set

NFP Hxy 10B00	10 KHz – 300 MHz
NFP Hxy 20B00	100 KHz – 1.4 GHz
NFP Hz 40B00	1 GHz – 14 GHz
NFP Hxy 60B00	1 GHz – 14 GHz
NFP E 00B00	1.6 GHz – 18 GHz