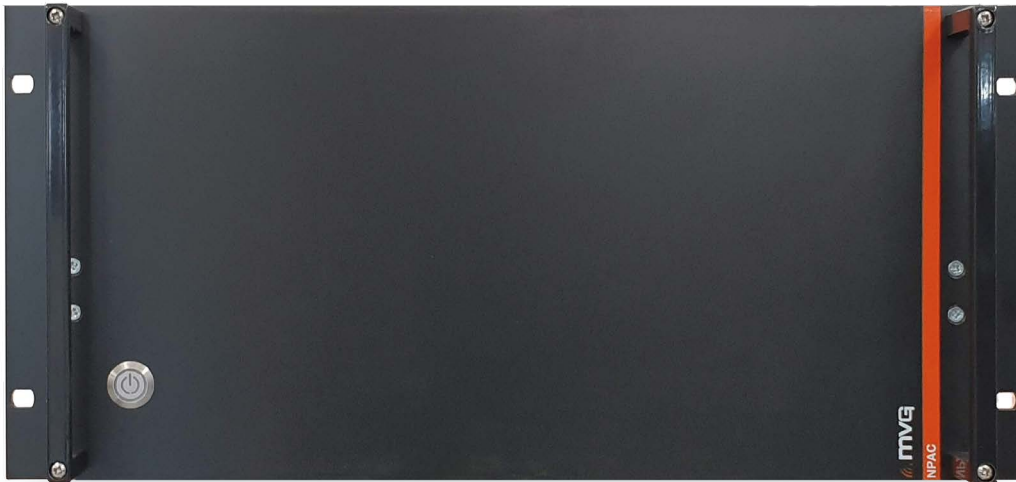


NPAC (New Probe Array Controller)

State of the art source and receiver for multi-probe antenna measurement systems



NPAC is MVG's source and receiver allowing multiprobes systems to measure passive antenna much faster (factor 3 to 5) than most Vector Networks Analysers available on the market. Coupled with the Active CW Unit and the PRU (Phase Recovery Unit) the NPAC can now measure standalone devices transmitting a CW transmitted signals or a modulated signal (up to 50MHz bandwidth) and compute a Near-Field to Far-Field transform ensuring to visualize real Far-Field data.

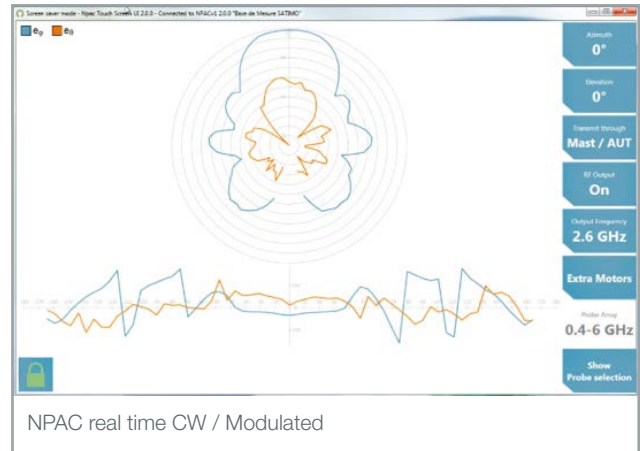
MVG's NPAC module includes among the fastest and most accurate sources and receivers on the market. Adding this equipment to your configuration is a great way to boost your antenna measurement system capabilities.

This MVG module allows to perform the following measurements:

- Passive Antenna complex measurements with Near-Field to Far-Field transformation;
- Active CW signals measurement with Near-Field to Far-Field transformation (Active CW module needed);
- Modulated signals measurements (up to 50 MHz Bandwidth) with NF to FF transformation (Phase recovery option needed);
- Pulsed measurement.

NPAC performances

Measurement speed (max)	50 Million (50,000,000) measurements per second
Receiver integration time (1 average)	20 ns
IF bandwidth (1 average)	> 50 MHz
Channels	2 (signal and reference)
IF frequency (nominal, others optional)	From 1 to 80 MHz
0.1 dB Compression (37.5 MHz IF level)	8 dBm
Sensitivity (37.5 MHz IF level)	-110 dBm at 1 ms int. time
Dynamic range	> 115 dB at 1 ms int. time



Contact your local sales representative for more information
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