

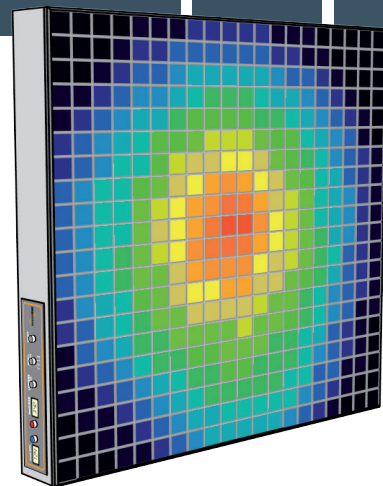
RWD - 400

Radio Waves Display

PRESENTATION

The Luxondes radiofrequency to optical conversion panel directly displays the ambient EM-field or the radiation of a transmitting DUT that is placed in front of it. It comprises 400 (20x20) autonomous identical sensors working as elementary visualization pixels.

Elementary antennas are printed directly on each sensor's PCB. The representation of the electromagnetic field is provided through a gradient of colours. Successive photography can provide comparisons between different testing conditions. On the side of the panel you can change the sensitivity and dynamics of the system.



APPLICATION

- Direct mapping of the received field
- Antenna MIMO optimization
- Time reversal evaluation
- Energy focusing evaluation
- Radiation pattern observations
- ...

FEATURES

- Technology: Digital
- Panel area : 1m²
- Number of sensor : 400 (20x20)
- Sensitivity : -60 dBm to 0 dBm
- Minimal dynamic range : 3 dB
- Bandwidth : 50 MHz to 3 GHz
- Number of displayed colours : 1024
- Sensitivity adjustment: Min and max threshold
- Real time function or delay
- Delay / MaxHold
- Number of color bar : 4
- Viewing exceeded threshold
- Weight : 30 Kg

