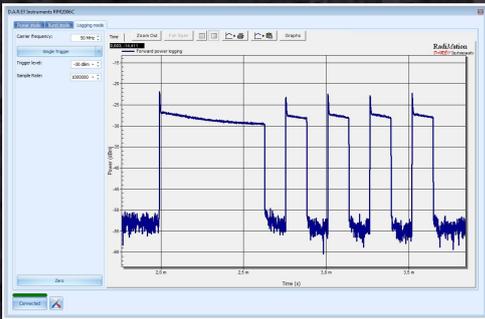


RadiPower® Pulse

The RF/Burst Power Meter Extremely Fast • Robust • Flexible



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The Standard for Consultancy, (Re)design
and Training in RF EMC and Product Safety

DARE!!
Instruments

An adequate power meter is indispensable to perform reproducible and reliable RF power measurements. The RadiPower® Pulse offers a range of RF power meters dedicated for RF/Burst power measurements. The RadiPower® Pulse USB power heads are affordable, accurate and extremely fast. The RPR2006P provides measurements over a frequency range from 9 kHz up to 6 GHz. The RPR2018P measures over a frequency range of 80 MHz up to 18 GHz.

Extremely Fast

The RadiPower® Pulse USB power heads perform power measurements with a maximum sampling speed of 10 million samples per second! By using such a high sampling mode it is capable to measure RF Burst/Pulse signals with pulse durations down to 2µsec and it can measure CW and RMS power as well.

Accurate

Next to speed, accuracy is another main requirement when performing RF Burst/Pulse power measurements. The RPR2006P allows high precision RF power measurements with a high dynamic range of over 65 dB. Both power meters provide a basic accuracy of 0.25 dB and are way within requirements for measurements in accordance to international EMC immunity standards.

Flexible

The RadiPower® plug-in card (USB1004A) contains 4 USB slots to connect a maximum of four RadiPower® power heads of any combination and is designed to fit into the RadiCentre® EMC test systems. Alternatively the RadiPower® heads can be connected directly to a PC USB port.

‘Logging’ mode

The RadiPower® Pulse is not only able to measure extremely fast. Using the ‘Logging’ mode an RF power signal can be measured with a speed of 10ms and logged into a graph for monitoring power over an infinite time period.

‘Envelop trace’ mode

The ‘envelop trace’ mode can be used to visualize an RF/Burst signal using an internal buffer that can store 4.000 samples. The RadiPower® supports ‘edge’ or ‘level’ triggering modes and using this mode RF Burst signals can be visualized in a very easy way. This mode can be used to perform RI-114 Radar Pulse power measurements in accordance to the Automotive Ford standard EMC_CS_2009.

‘Burst’ mode

In the ‘Burst’ mode a user selectable measurement speed/time can be used to capture any Burst/Pulse signals and calculate the measurement parameters, like maximum RMS power, duty cycle, medium utilisation and maximum sequence time. This mode fully supports the measurement method as defined in the ETSI EN 300 328 standard for wideband transmission systems.

Software support

The standard RadiMation® freeware control software supports all RadiPower® measurement modes. Beside this RadiMation® EMC test software can be used to perform fully automated immunity tests and control of the RadiPower® power meter. Using the instrument command codes the RadiPower® can be used with any other software control package.

