Laplace Instruments

EMC Pre-Selectors

RF910
RF915

The essential accessory for accurate conducted emission results

- Self contained, automatic Pre-selectors.
- Can substantially improve measurement accuracy of EMC test results.
- Can be used with **any** RF spectrum analyser for the measurement of strong or broadband conducted EMC emissions.
- Manual and automatic control. USB interface and command set included.

Strong broadband signals encountered during mains conducted compliance tests are a common cause of spectrum distortion and compression leading to false results on spectrum analysers. For this reason, CISPR16 specifies the use of pre-selectors.

Pre-selectors split the frequency content into relatively narrow bands and allow only one band at a time through to the analyser.

Band switching is synchronised with the analyser sweep. Thus the energy input to the analyser is substantially reduced, avoiding overload (compression) problems, without affecting the final result.

The performance of the analyser is thus enhanced and the overall system is similar to that of a measuring receiver, as required by CISPR16.

Typical sources that cause broadband noise are electric motors, power controllers, lighting controllers and industrial plant.

CISPR16 These pre-selectors made true compliance practical and affordable.

AUTOMATIC The Laplace range of EMC analysers all include automatic detection and control of these pre-selectors for fully transparent operation.

EASE Adding a pre-selector to your conducted emissions kit eliminates out-of-band noise, making measurements easier and significantly more accurate and quicker.

Specification		RF910	RF915
Frequency range		150KHz - 30MHz	9KHz—30MHz
Number of filter bands		8	11
input/output impedance		50 ohm	
Input/output connectors		BNC	
Insertion loss		4dB	
Pass band flatness		2.5dB	
Stop band attenuation		40dB	
Filter performance		5 + 5 pole	
Control	auto mode:	USB	
	Manual mode:	Paddle switch	
Indication		Mode and channel indicators.	
Max signal level		+30dBm	
Power		110/230v 50/60Hz IEC inlet.	
Size (W x H x D)		31 x 11 x 26cm	

Laplace Instruments Ltd
www.laplace.co.uk
tech@laplace.co.uk
+44 (0)1692 402070

Tudor House,
Grammar School Road,
North Walsham,
Norfolk, NR28 9JH UK