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Technical Presentation on:
[Development of Test Measurement Receivers, EMI measurements and MIL-STD 461 Receiver Measurements](#)

Abstract: The growing complexity of electronic devices within electronic products has led to a significant increase in failure rates for Electromagnetic Interference (EMI) compliance testing. Product design cycle times continue to decrease due to competitive pressure. Companies need processes and EMI test equipment that equip them to quickly troubleshoot and correct EMI non-compliance's. They can then perform EMI compliance testing and finish within the allocated time, even if redesign is required.

This presentation presents a brief history of EMI Receivers, including detection modes unique to EMI testing, then discusses a recent technology evolution from swept frequency receivers to real time fast Fourier transform (FFT) receivers. Application to both commercial and military EMI testing is presented.

The presentation concludes with a demonstration of everything discussed and foreshadows further EMC Society practical workshops and presentations on this subject planned for early 2018.

Presenters: Presenters are Mark Mifsud, Chair of the EMC Society of Australia and Steve Offer, Secretary of the EMC Society of Australia.



Mark Mifsud

Both presenters have several decades of experience in commercial and military EMC testing.



Steve Offer

Where: Engineers Australia SA Division, Level 11, 108 King William Street, Adelaide.

When: Tuesday 28th November, 6:00pm for 6:30pm start. Light refreshments provided.

Cost: Free for members, AU\$30 for Non-members.

CPD: This session is worth up to 1 CPD Hour.

Registration: Please register at the following link:
<https://www.engineersaustralia.org.au/portal/event/development-test-measurement-receivers-emi-measurements-and-mil-std-461-receiver-measurement-0>

