

## Radio Equipment



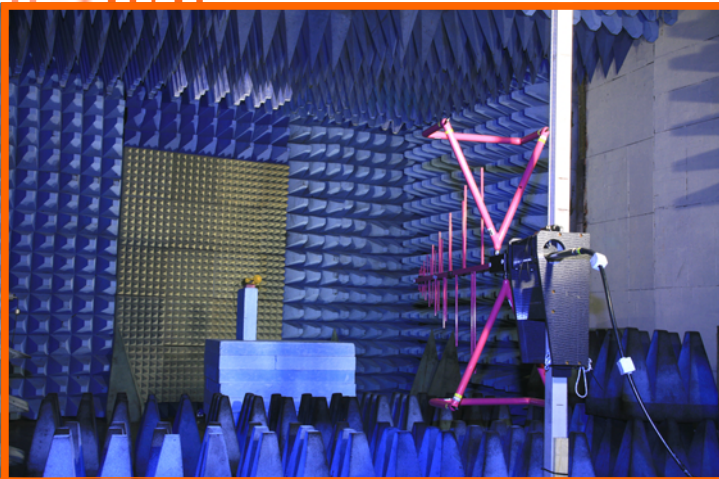
RN Electronics specializes in approval of wireless devices and antennas from 9kHz up to 110GHz.

Typical products include Fixed Links, Private Mobile Radio (PMR) and all types of short range devices (SRDs), including wideband data and ultra wide band transmitters. Our well-equipped and staffed laboratories allow flexible and rapid testing with troubleshooting expertise built-in.

Wireless devices for sale in the EU require CE marking under the R&TTE Directive 1999/5/EC. This has three distinct test requirements:

- The product must comply with spectrum efficiency requirements.
- The product must meet the protection requirements for EMC.
- The product must meet the protection requirements for safety.

Safety parameters are applicable, regardless of whether equipment is mains or battery powered. In addition to meeting the technical parameters, radio devices are given frequency allocations in each country, which may be different from one nation to another. Hence in addition to the CE mark, many radio products must bear the alert mark, warning that it is only to be used where applicable. Each country where the equipment is to be put on sale must then be given 4 weeks' notice prior to the first sale.



With many years' experience in radio design and type approvals, valuable development time can often be saved by a visit to our laboratory early on in the process enabling a faster time to market. We can provide advice on the use of radio modules, perform pre-compliance tests on prototypes and characterize antenna patterns. We also offer a cost effective assessment for safety.

RN Electronics is a UKAS accredited testing laboratory no. 2360. We are recognized around the world for our EMC and Radio testing by the FCC in America, IC in Canada, OFTA in Hong Kong, VCCI in Japan and in many other countries through ILAC – the International Laboratory Accreditation Cooperation.

For further information contact RN Electronics, an established, cost effective, knowledgeable and complete service solution.



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