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## Australian radio releases research into digital radio in-building reception

The Australian radio industry today released a new research report examining factors affecting the quality of digital radio reception in buildings.

The report, *Building Penetration Loss Survey for Band III and L Band T-DAB*, will contribute to international discussion on how to improve the digital radio experience for listeners and will assist the planning process for countries introducing digital radio.

“Some countries have experienced problems with in-building signal quality, but there has been very little research published in this area. We look forward to releasing our findings to the international broadcasting community to build on the current knowledge base on how to deliver an excellent digital radio experience for everyone,” said Joan Warner, chief executive officer of industry body Commercial Radio Australia.

The research measures how effectively digital radio signals penetrate inside buildings for both Band III and L-Band transmissions in 30 different environments such as shopping centres, high-rises and suburban homes. It is believed to be the first report of its kind to carry out the same measurements at the same time in Band III and in L-Band, therefore allowing a direct comparison between the two bands.

The research indicates that building penetration is more dependent on building type than on frequency band, showing that signals penetrate brick suburban homes better than concrete office blocks.

The research was undertaken as part of the industry’s planning process for digital radio, which will be introduced in Australia in 2009.

The report is available to radio industry members by request. Please email Commercial Radio Australia’s principal engineer, Richard Morris, at [richard.morris@commercialradio.com.au](mailto:richard.morris@commercialradio.com.au).

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