

Fibre-Optic Technologies for 30/60 GHz Pico-Cellular PCN and Mobile Systems

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A novel photonic technology for generation and distribution of mm-wave signals in advanced radio systems is described. Experimental results on the distribution of 60 GHz signals to more than 1000 micro base-stations by fibre-optics are presented. Furthermore, a demonstrator which offers a bidirectional air interface at 30 GHz is introduced.

 [Return to main document.](#)