

CABLE AML NEWS

SUMMER 2017

Issue 8

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28GHz DIGITAL MULTICHANNEL TV BROADCAST SYSTEM

A new Multichannel Digital TV Broadcast system operating in the 28 GHz band has been recently installed to provide multichannel TV to potentially thousands of subscribers. The system has been installed in four cities.

Operating in the 28 GHz frequency band, the system features state of the art broadband transmitters with initial capability for 20 DVB-C data streams modulated in 64QAM for a total capacity of 100 TV programs.

In addition to transmitters, the system uses in-band repeaters to provide a wider coverage area than achievable with a single base station. This frequency reuse method allows for a wide foot print at reasonable cost.



28 GHz Repeater installation



CPE (customer terminal) installation

A single CPE downconverter can provide service to a single subscriber, or, more commonly to many more subscribers connected by a conventional coaxial TV distribution network, such as is available in multi-family dwellings.