
Digital Predistortion of 75-110GHz W-Band Frequency Multiplier for Fiber Wireless Short Range Access Systems

We present a digital predistortion technique to effectively compensate high nonlinearity of a sextuple multiplier operating at 99.6GHz. An 18.9dB adjacent-channel power ratio (ACPR) improvement is guaranteed and a W-band fiber-wireless system is experimentally investigated.

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