

Abstracts

Third-order intermodulation distortion in an optical multichannel mm-wave system in the 60 GHz-band

C.G. Schaffer, R.-P. Braun, G. Grosskopf, F. Schmidt and M. Rohde. "Third-order intermodulation distortion in an optical multichannel mm-wave system in the 60 GHz-band." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1217-1220 vol.3.

In the 60 GHz band a frequency range of 1 GHz is allocated for use in picocellular communication systems. Intermodulation distortion in electrical and optical frequency multichannel schemes with a sideband injection locked source are investigated theoretically and experimentally.

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