

Abstracts

Balanced FET Up-Converter for 6 GHz, 64-QAM Radio

P. Bura and D. Geleman. "Balanced FET Up-Converter for 6 GHz, 64-QAM Radio." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 941-943.

70 MHz to 6 GHz balanced FET up-converter is described. Third order intercept point of 26 dBm, conversion gain of 3 dB and 33 dB LO suppression were measured. Its highly linear performance makes it suitable for 64-QAM radio. Bit error rates lower than 10^{-27} were measured at 2.7 dBm RMS (64-QAM) output level.

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