

Abstracts

Direct Generation of MSK Modulation at Microwave Frequencies

S. Kumar, W.J. Chudobiak and J.S. Wight. "Direct Generation of MSK Modulation at Microwave Frequencies." 1981 MTT-S International Microwave Symposium Digest 81.1 (1981 [MWSYM]): 402-404.

Direct generation of a modulated signal at microwave frequencies offers considerable simplicity and economy in the transmitter of a microwave communication system. Minimum-shift-keying (MSK) is a digital modulation which yields the same bit-error-rate performance as coherent PSK even though this modulation may be generated as a continuous phase frequency-shift-keying. Utilizing this feature of MSK, this paper describes novel circuits for generation of MSK modulation at microwave frequencies.

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