Abstracts

An Experimental Comparison Between Direct and Indirect PAM by a High-Efficiency Microwave Frequency Multiplier with Varactor Diodes (Correspondence)

A.M. Markovic. "An Experimental Comparison Between Direct and Indirect PAM by a High-Efficiency Microwave Frequency Multiplier with Varactor Diodes (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.8 (Aug. 1970 [T-MTT]): 504-506.

Two pulse amplitude modulation (PAM) methods by a high-efficiency frequency multiplier with varactor diodes are compared. Typical results achieved for an X-band to Q-band tripler prove that the direct PAM is better than the indirect one under the same conditions. The former acts as a pulse shaper (PS), and has an output rise time smaller than the rise time of the output voltage of the modulator chain.

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