

Abstracts

Spurious Product Zone Chart: A Practical Approach to Frequency Conversion Synthesis

A.D. Vincze. "Spurious Product Zone Chart: A Practical Approach to Frequency Conversion Synthesis." 1983 MTT-S International Microwave Symposium Digest 83.1 (1983 [MWSYM]): 446-448.

Mixer charts and computerized spurious product search are commonly utilized techniques for determining the spurious/intermodulation spectrum of communication systems or equipment utilizing frequency conversion. Both methods require intuition, a trial-and-error approach, and lack the adaptability to illustrate computer graphics. The spurious product zone charting method provides a clear, quick, and concise mathematical/graphical presentation of spurious/intermodulation (IM) products resulting from conversion processes. It adapts easily to computer aided design graphic displays or to small calculators with alphanumeric readouts.

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