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# Design for the Low If Resistive FET Mixer for the 4-Ch DBF Rece

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### Title & Authors

**Design for the Low If Resistive FET Mixer for the 4-Ch DBF Receiver**  
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### Abstract

This paper describes the design for the resistive FET mixer with low If for receiver based on the direct conversion method is generally suitable for h frequency(RF), a local oscillator(LO) and an intermediate frequency(If) cc respectively. This mixer is composed of band pass filter, a low pass filter a considered in design. The RE input power, LO input power and Vcs are us resistive FET mixer, the measured If and harmonic components of 10 MHz 48 dBm, respectively The If output power observed at each channel of 10 maximum harmonic component of 2.087 CHz. Each If output spectrum c

agreement with the prediction.

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**Keywords**

DBF;Receiver;Mixer;Direct Conversion;FET;

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**Language**

English

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**Cited by**

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**References**

1. Proceedings 1995 URSI International Symposium on Signals, Systems,
  2. IEEE Trans. Microwave Theory Tech., 1987. vol.35. 4, pp.425-429
  3. 0000.
  4. Thesis, Yokohama National University, 2001.
  5. Microwave Engineering(second edition), 1998.
  6. HF Filter Design and Computer Simulation, 1994.
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