

Abstracts

The RF module design for W-CDMA/GSM dual band and dual mode handset

Xiaowei Zhu, Wei Hong, Liu Jin, Ling Tian and Jianyi Zhou. "The RF module design for W-CDMA/GSM dual band and dual mode handset." 2001 MTT-S International Microwave Symposium Digest 01.3 (2001 Vol. III [MWSYM]): 2215-2218 vol.3.

In this paper, novel RF front-ends for GSM/W-CDMA dual band and dual mode mobile terminal are described. The zero IF direct modulation transmitter and dual-superheterodyne receiver have been realized in the RF module development. The power down functions of the IC chip used to switch the RF module turn on the W-CDMA or GSM mode. Finally, the testing results are shown for both the W-CDMA and GSM modes.

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