Abstracts

The implementation of RTU and RSU transceiver for WLL system

Young-Jun Chong, Sang-Gee Kang, Il-Kyoo Lee, Bong-Kyum Kim and Heon-Jin Hong. "The implementation of RTU and RSU transceiver for WLL system." 1998 MTT-S International Microwave Symposium Digest 98.1 (1998 Vol. I [MWSYM]): 193-196.

The implementation of RTU and RSU transceiver for Korean WLL system based on W-CDMA is presented in this paper. RTU transceiver consists of three boards; receiver, transmitter and RF controller. RSU transceiver is divided into three parts; receiver, transmitter and IF board. At the RTU receiver, the experimental measurement shows 2.86 dB of NF and 60 dB above of dynamic range in AGC locking. At the RTU transmitter, the -49.34 dBc of ACPR is attained when the output power of the transmitter is 34.3 dBm. At the RSU receiver, the measured of the NF shows 5.65 dB. The measured ACPR of the RSU transmitter is -49.33 dBc when the transmitter operates in normal state. These results are good enough to meet standard performance specifications.

❑ Return to main document.