



McWiLL无线宽带接入系统测试及其在中低压
王勇¹, 杨俊权¹, 陈宝仁², 谭健珩²

摘要: McWiLL (multi-carrier wireless information local loop, 多载波无线信息本地环路)是集智能天线、CS-OFDMA、增强零陷、信道跟踪和预测、动态信道分配、频空联合检测等核心技术为一体的宽带无线通信系统。为此,介绍了McWiLL系统在配电网通信中应用的测试情况,重点在于McWiLL系统的覆盖面、业务容量和业务承载能力。基于中低压配电网的特点及其对通信的需求,提出了在中低压配电网中McWiLL的应用模型。

关键词: McWiLL; 无线宽带接入; 配电网

The Test of McWiLL Wireless Broadband Access System and Its Communication Application in Middle and Low Voltage Power Distribution Network

WANG Yong¹, YANG Junquan¹, CHEN Baoren², TAN Jianheng²

Abstract: McWiLL (multi-carrier wireless information local loop) is a wireless broadband communication system with integration of some core technologies, such as smart antenna, CS-OFDMA, advanced null steering, channel tracking and prediction, dynamic channel allocation, frequency and space joint detection. This paper introduces the test cases of McWiLL application in the power distribution network (PDN), focusing on the overcast, the business capacity and the business carrying capability of McWiLL. Based on the characteristics of PDN and its communication requirements, an application model of McWiLL is put forward for the PDN at the middle or low voltage level.

Key words: McWiLL (multi-carrier wireless information local loop); wireless broadband access; power distribution network

[点击此处下载](#)

[关闭窗口](#)