
flexibility of the bandwidth allocation. The OFDM-WDM-PON can effectively seclude the distribution services from the electricity services. Furthermore the novel PON structure could increase the bandwidth by using different ONU OFDM sub-carrier allocation used in electric power communication access network.

4. Conclusion

In this paper, we apply optical OFDM signals to the WDM-PON in power communication access networks. The characteristics of high flexibility of the bandwidth allocation design makes OFDM-WDM-PON an efficient method to seclude the distribution services from the electricity services. In this method, the PON structure is enhanced, and raised the ability to the electric power communication access network capacity.

5. References

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