

18. LOS issue with X-LIN WLAN units

LOS stands for line-of-sight. For micro wave transmission, LOS is extremely crucial. The LOS issue on X-LIN WLAN unit is as follows,

It depends on the distance. LOS is 'crucial' (but not essential) for distance below 4~5Km, but it is 'essential' for distance above 6Km. Our countless tested and existing sites show that non-LOS is possible for distance below 4Km, however, it is not an universal case but still subject to actual on-site scenario. Conclusion: the NON-LOS is actually possible for X-LIN WLAN as follows,

- 1) 800~1000m for mobile scenario under open air; the best distance ever made is 1300m (in Burkina Faso) and 8Km (in Canada);
- 2) 3~5Km for fixed scenario on outdoor antenna, the best distance ever made is 11Km (in Malaysia)