

CERIO Outdoor AP 5 KM Throughput Test Report

Model No.

OW-215N2-X

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1. Test Product model.

OW-215N2-X



2. Introduction

The purpose of conducting this test was to determine the average throughput and signal stability of Cerio's OW-215N2-X Outdoor Access Point at a distance of 5km. The test specifically measured point-to-point WDS connections set through Cerio's CenOS 3.0 Software Bundle. The test was conducted between two units of OW-215N2-X operating under 802.11an standards.

3. Test Date and Personnel

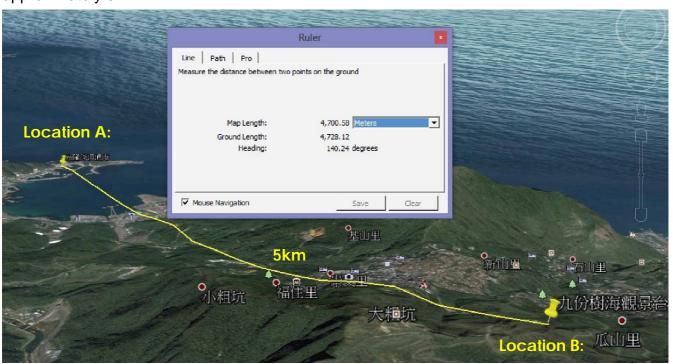
Date	2015 / 06 / 19		
Test Person	inel		
	Q JAIN	Brilly	Bluson



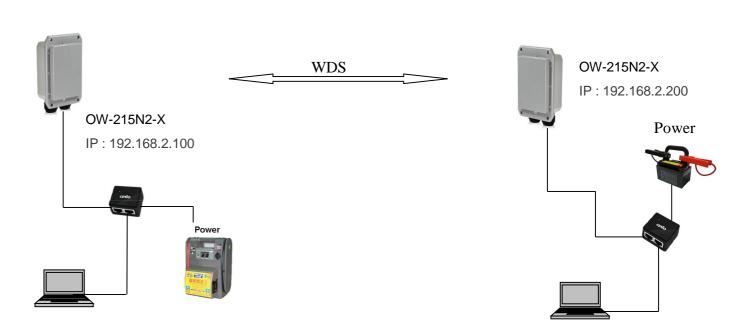
4. Test Environment

Location A: Shen'ao Fishing Port Location B: Elevated Scenic Lookout

The distance from Location A to Location B is roughly 4.7km, determined by Google Earth. However, due to substantial differences in elevation, we estimate the distance to be approximately 5km.

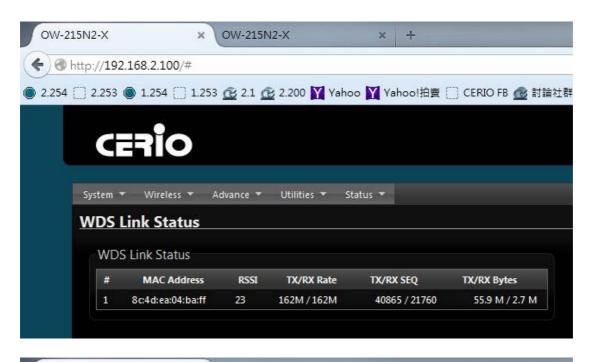


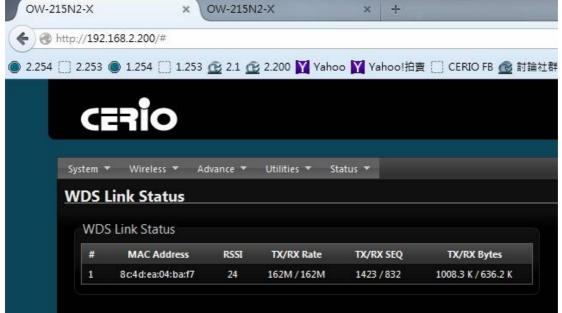
5. System Network Configuration





6. OW-215N2-X UI Screen



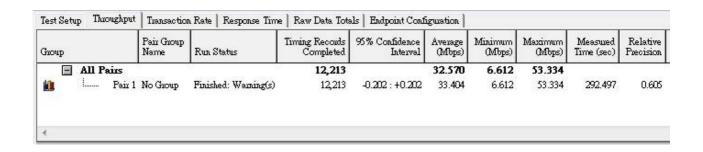


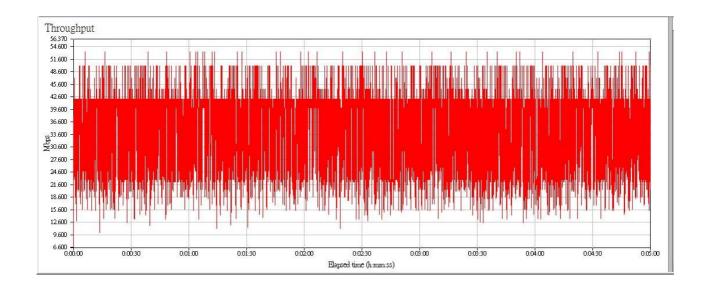


7. Throughput test

OW-215N2-X

	Average(Mbps)	Minimum (Mbps)	Maximum(Mbps)
Throughput	32.57	6.612	53.334

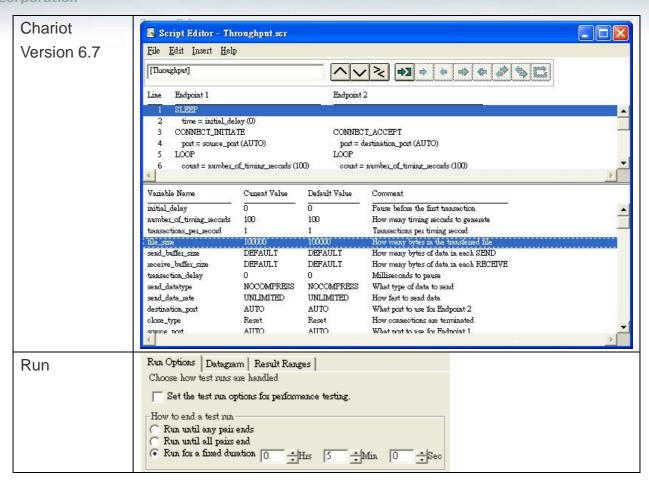




8. TEST Tools

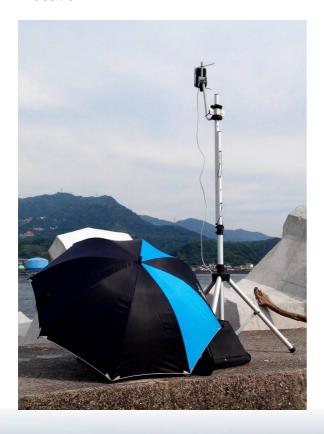
1201 10010				
TEST Equipment				
Notebook	HP Pavilion dv4 x2			
Power	350W x 2			
Tripod	3			
Antenna	2x2 Built-in 15dBi Dual-Polarization Directional Antennas			
Test products	OW-215N2-X 500mW			
TEST Software				





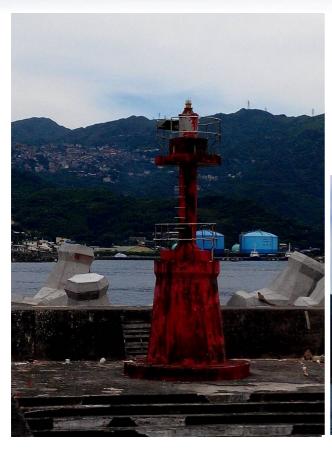
9. On-site status:

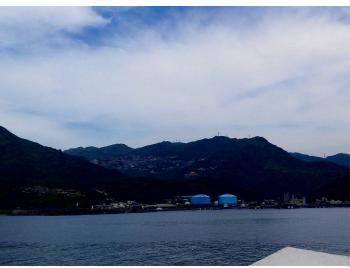
Location A:











Location B:



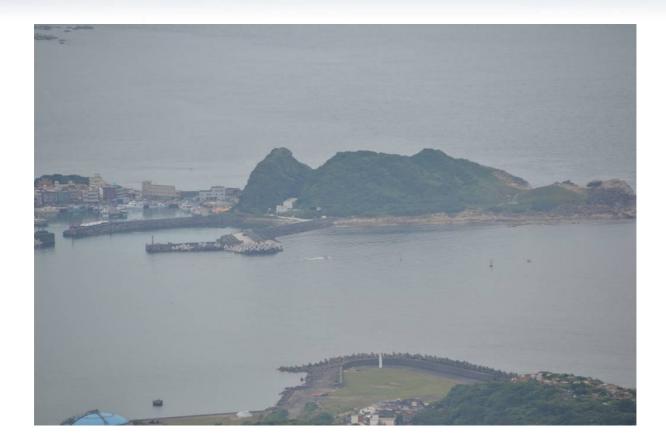




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10. Conclusion

In order to verify our Cerio wireless product performance and instill consumer confidence, we conducted long distance throughput testing for our outdoor wireless access points. We conducted point-to-point testing using our Outdoor Access Point models with built-in dual-polarization directional antennas.

From the results of our OW-215N2-X 5km tests, we conclude that our transmission performance is extremely stable, with significant throughput levels at long distance connections. Our outdoor wireless testing proves to be a very valuable reference tool for users planning on deploying our products in a variety of outdoor environments. (Examples: Remote mountainous areas, long distance network extensions, long distance backhaul, remote surveillance centers)

This test demonstrates confidence in our team's ability to provide quality performance and design. Our unsurpassed experienced creating quality wireless networking hardware and software products allows us to consistently meet user demands and satisfy consumer through our wealth of knowledge and product design.