CERIO Outdoor AP
16KM Throughput Test Report

Model No.

OW-200N2-X

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1. Test Product model.

OW-200N2-X

2. Introduction

The purpose of conducting this test was to determine the average throughput and signal stability of Cerio's OW-200N2-X Outdoor Access Point at a distance of 16km. 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-200N2-X operating under 802.11an standards.

3. Test Date and Personnel

Date	2015 / 05 / 21			
Test Personnel				
Andy				

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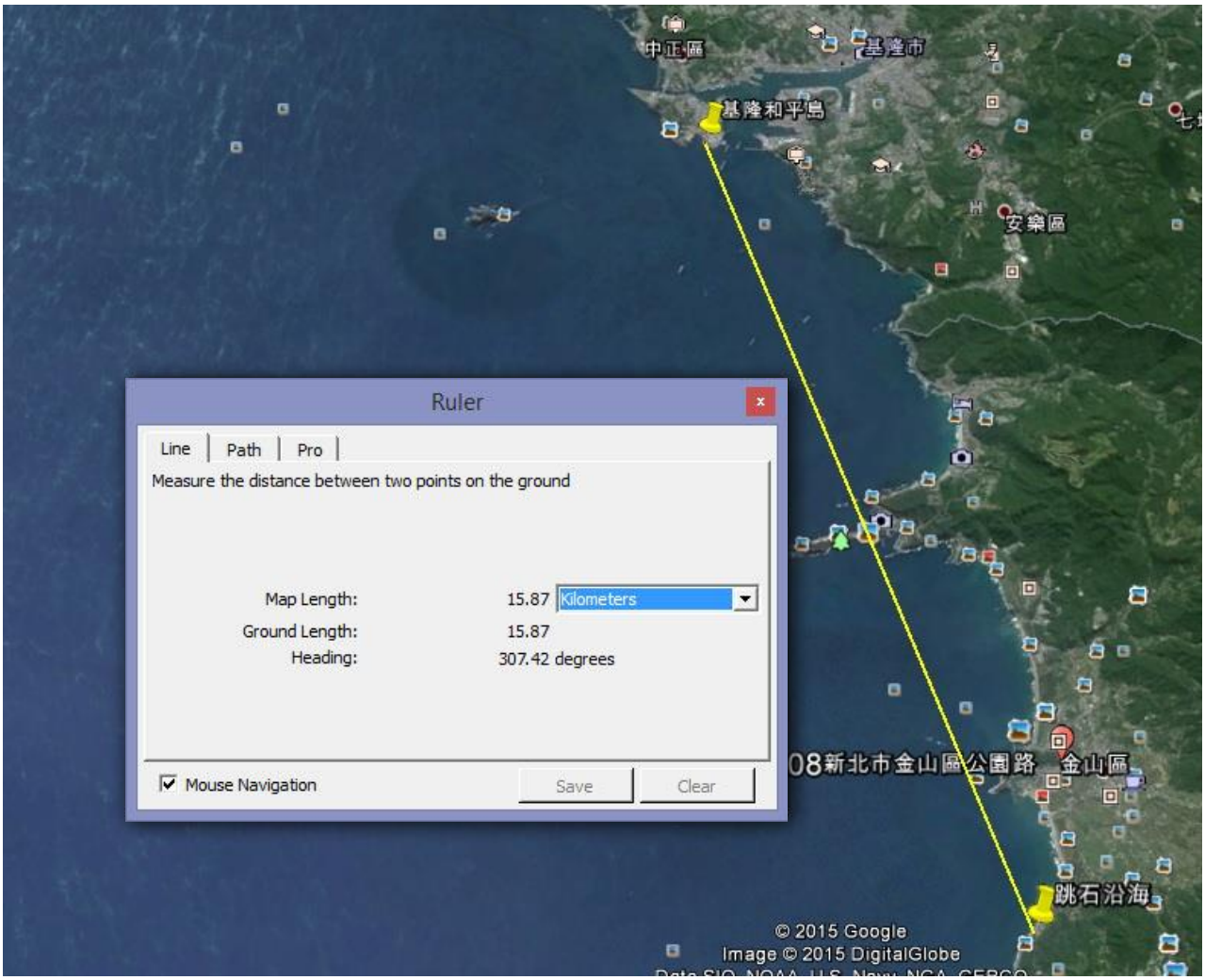
4. Test Environment

Location A: Hepingdao Coast Park
Location B: Jinshan Stone Coast

The distance from Location A and Location B is approximately 16km, with slight increases in elevation.



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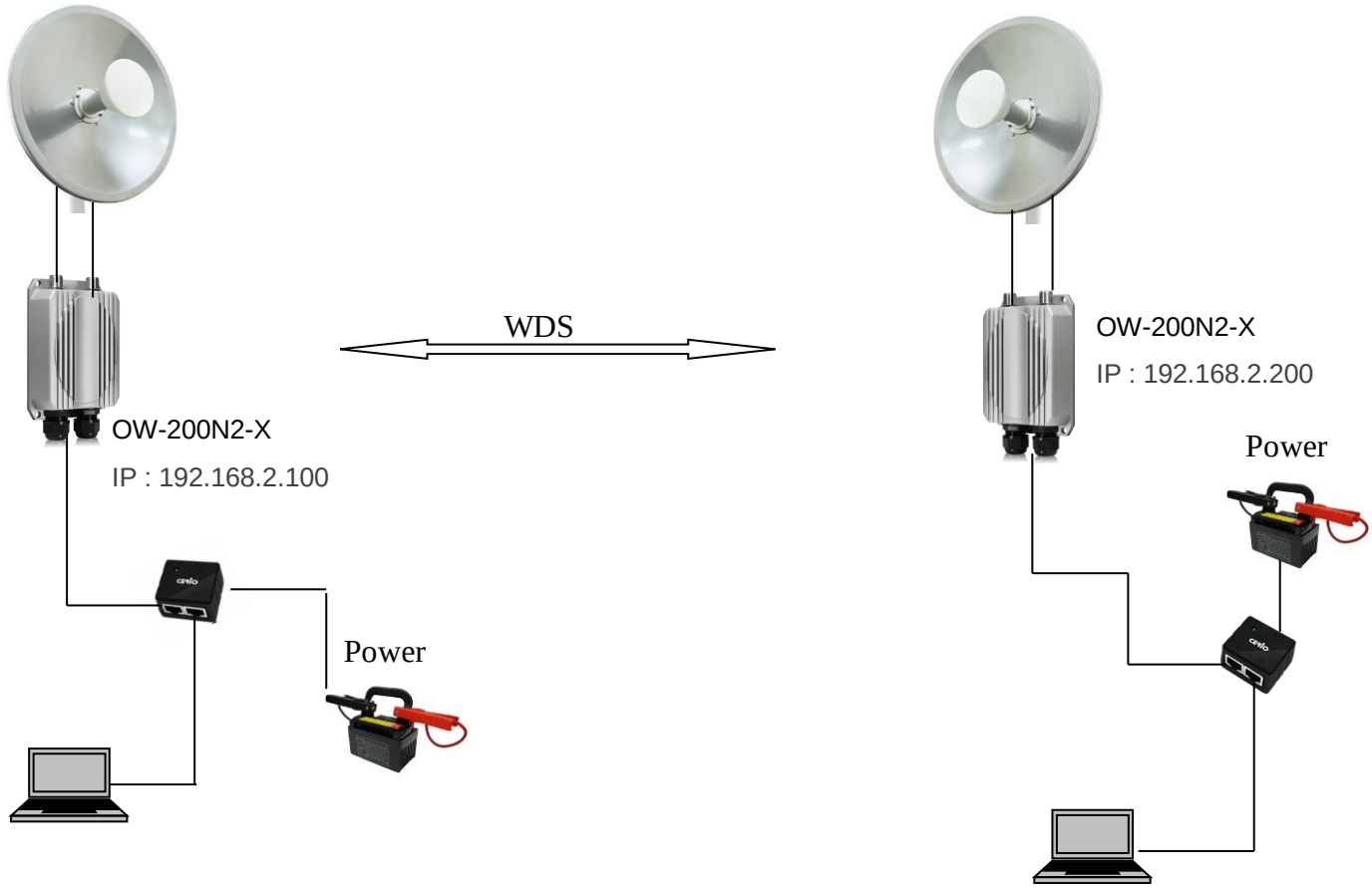
5. System Network Configuration



6. OW-200N2-X User Interface

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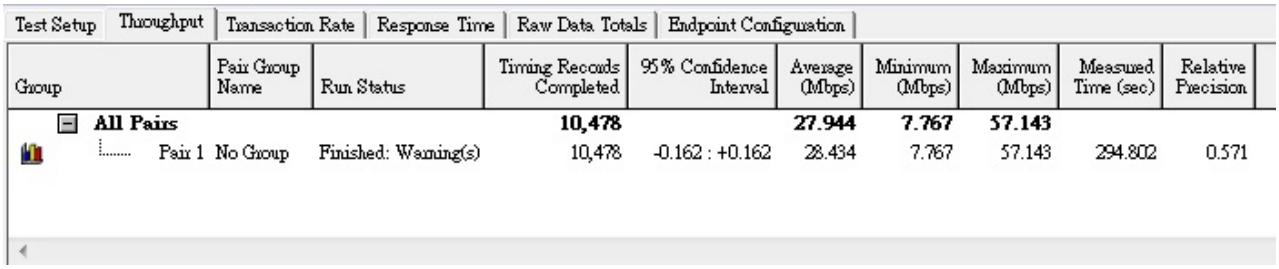
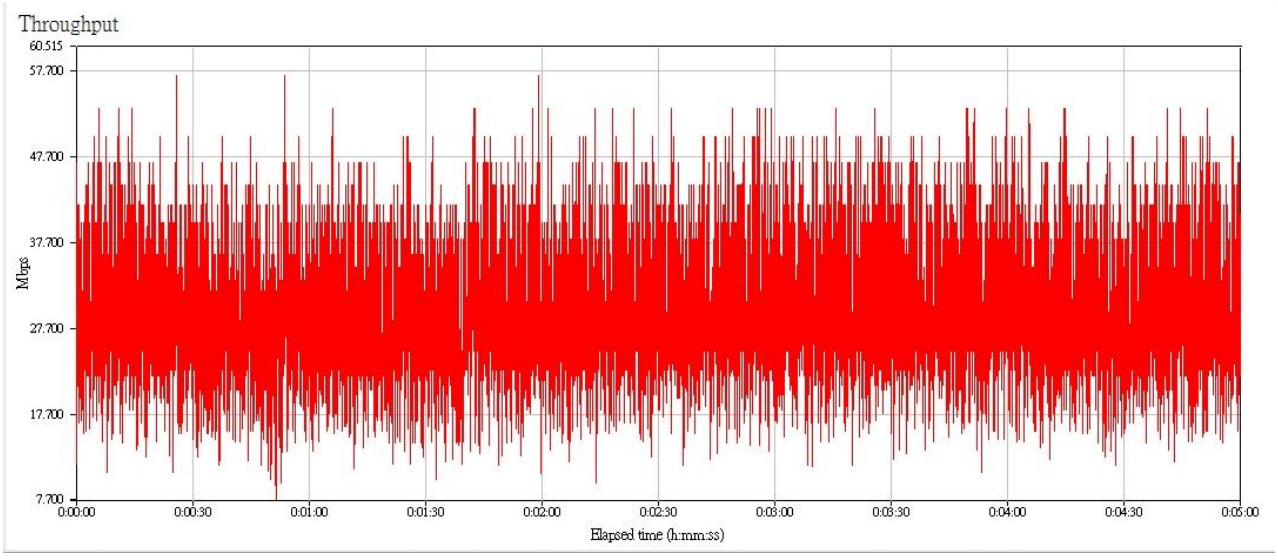
7. Throughput test

OW-200N2-X

	Average(Mbps)	Minimum (Mbps)	Maximum(Mbps)
Throughput	27.944	7.767	57.143





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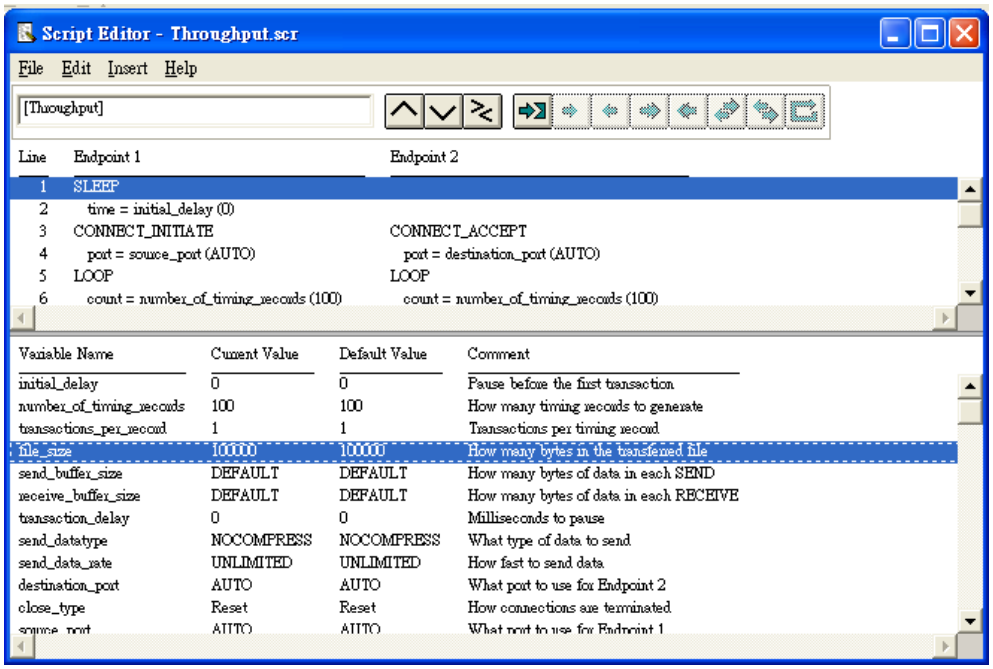
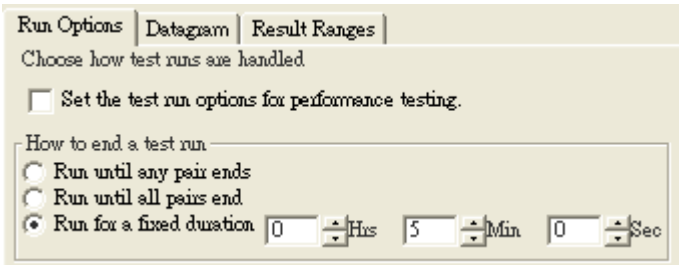
8. TEST Tools

TEST Equipment		
Notebook	HP Pavilion dv4 x2	
Power	350W x 2	
Tripod	3	
Antenna	5GHz 2x2 Outdoor Directional Dish 25dBi Antenna	
Test products	OW-200N2-X 500mW	
TEST Software		
Chariot Version 6.7		
Run		

9 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 external

5Ghz 25dBi Directional Dish Antennas.

From the results of our OW-200N2-X 16km 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.

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