

# CERIO Outdoor AP 1.7KM 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 1.7km. 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. We conducted this test at relatively short distances of 1.7km to provide users with data rates during shorter deployment, as well as to be used as a reference comparison to longer distances of 10km or 35km.

## 3. Test Date and Personnel

Date	2014 / 02 / 05			
Test Person	nel			
	Q-121	Bridy	Berson	

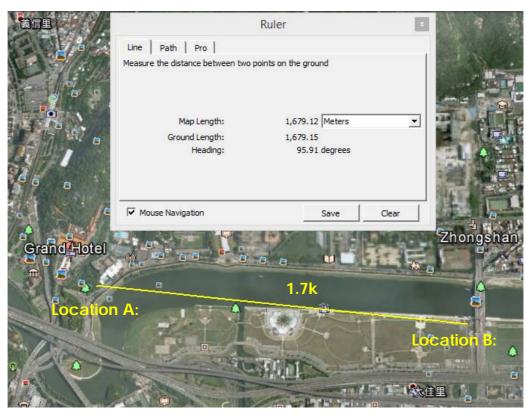
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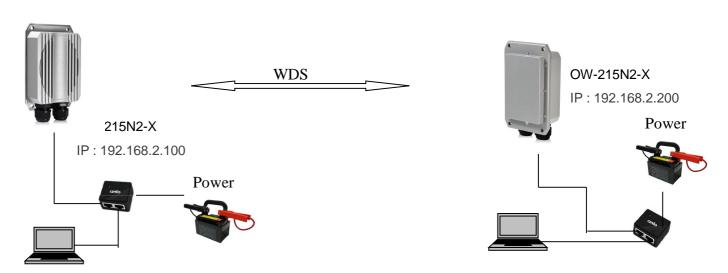
# 4. Test Environment

Location A: The GRAND Hotel, Taipei Location B: DaJia Riverside Park

The distance from Location A to Location B is roughly 1.7km, determined by Google Earth. There are no substantial variations of elevator to factor in.



# 5. System Network Configuration

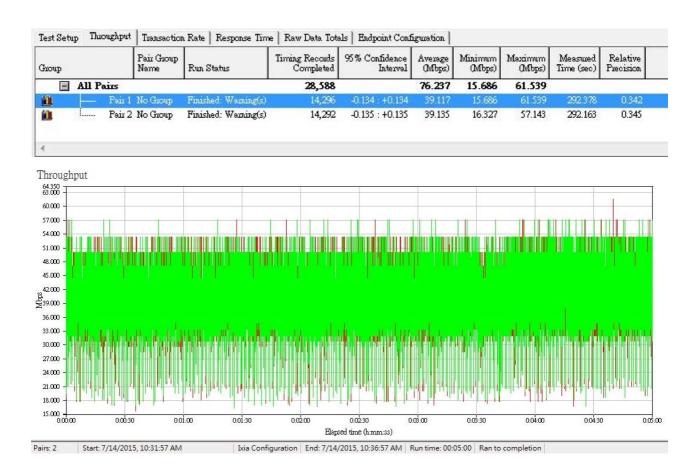




# 6. Throughput test

#### OW-215N2-X

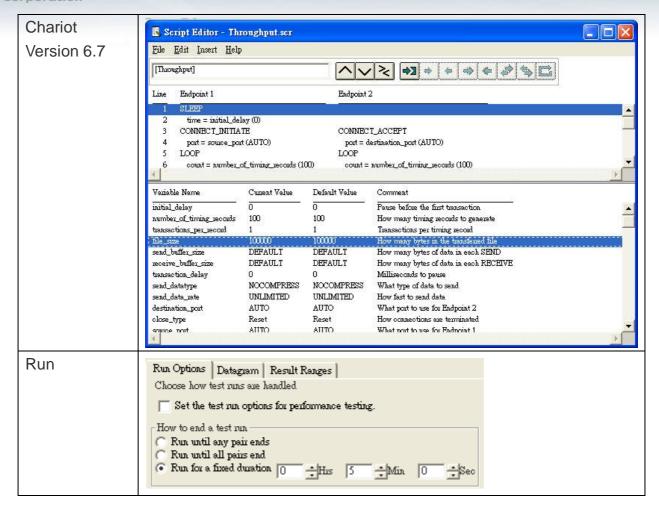
	Average(Mbps)	Minimum (Mbps)	Maximum(Mbps)
Throughput	76.237	15.686	61.539



## 7. TEST Tools

TEST Equipment			
Notebook	HP Pavilion dv4 x2		
Power	350W x 2		
Tripod	3		
Antenna	2x2 Dual-Polarization Directional Antennas		
Test products	<b>OW-215N2-X</b> 500mW		
TEST Software			





#### 9 Conclusion

From the results of our OW-215N2-X 1.7km 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)

After conducting our 1.7km point-to-point throughput test of Cerio's OW-215N2-X, we conclude that our signal strength and stability has consistently reached optimum levels. This test demonstrates confidence in our team's ability to provide quality performance and design, which ultimately insures consumer satisfaction.