



# Circuit Detail Report

## Optical Wavelength Laboratories

N9623 Hwy 12, Whitewater, WI 53190

Sales Only: [www.owl-inc.com](http://www.owl-inc.com) Technical Support: [www.owl-inc.com](http://www.owl-inc.com)

Site ID:	Durst Printing	Page:	1
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:00	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-21.11dBm	-21.80dBm	-	-
Cable Performance Margin	8.32dB	2.40dB	-	-
Operating Margin	-	48.29%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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Site ID:	Durst Printing	Page:	2
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:01	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-20.46dBm	-21.45dBm	-	-
Cable Performance Margin	8.97dB	2.75dB	-	-
Operating Margin	-	57.84%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:02	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-21.43dBm	-21.29dBm	-	-
Cable Performance Margin	8.00dB	2.91dB	-	-
Operating Margin	-	62.46%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:03	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-22.96dBm	-22.95dBm	-	-
Cable Performance Margin	6.47dB	1.25dB	-	-
Operating Margin	-	21.83%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:04	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-22.36dBm	-22.95dBm	-	-
Cable Performance Margin	7.07dB	1.25dB	-	-
Operating Margin	-	21.83%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:05	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-21.43dBm	-24.78dBm	-	-
Cable Performance Margin	8.00dB	-0.58dB	-	-
Operating Margin	-	-9.35%	-	-
Pass/Fail	Note1	Fail	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



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		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	FBR:06	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-	-24.20dBm	-	-
Absolute System Power	-	-22.44dBm	-	-
Cable Performance Margin	-	1.76dB	-	-
Operating Margin	-	32.71%	-	-
Pass/Fail	-	Pass	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	REC:00	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.65dBm	-	-20.76dBm
Fiber Loss	-	0.55dB	-	0.69dB
Connector Loss	-	3.00dB	-	3.00dB
Splice Loss	-	0.00dB	-	0.00dB
Total Calculated System Attenuation	-	3.55dB	-	3.68dB
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-24.45dBm
Absolute System Power	-22.31dBm	-29.61dBm	-	-23.39dBm
Cable Performance Margin	7.12dB	-5.41dB	-	1.06dB
Operating Margin	-	-195.90%	-	20.69%
Pass/Fail	Note1	Note2	-	Note2

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_





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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	REC:01	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.65dBm	-	-
Fiber Loss	-	0.55dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	3.55dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-19.58dBm	-29.73dBm	-	-
Cable Performance Margin	9.85dB	-5.53dB	-	-
Operating Margin	-	-203.60%	-	-
Pass/Fail	Note1	Note2	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester:	_____	Date:	_____
Customer:	_____	Date:	_____



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	REC:02	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.65dBm	-	-
Fiber Loss	-	0.55dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	3.55dB	-	-
Minimum Required Power (TIA-568)	-	-24.20dBm	-	-
Absolute System Power	-	-22.10dBm	-	-
Cable Performance Margin	-	2.10dB	-	-
Operating Margin	-	49.21%	-	-
Pass/Fail	-	Note2	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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Site ID:	Durst Printing	Page:	11
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	REC:03	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.65dBm	-	-
Fiber Loss	-	0.55dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	3.55dB	-	-
Minimum Required Power (TIA-568)	-	-24.20dBm	-	-
Absolute System Power	-	-24.84dBm	-	-
Cable Performance Margin	-	-0.64dB	-	-
Operating Margin	-	-12.57%	-	-
Pass/Fail	-	Note2	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester:	_____	Date:	_____
Customer:	_____	Date:	_____



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Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	SHIP:00	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-21.75dBm	-23.17dBm	-	-
Cable Performance Margin	7.68dB	1.03dB	-	-
Operating Margin	-	17.52%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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Site ID:	Durst Printing	Page:	13
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		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	SHIP:01	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-21.47dBm	-22.87dBm	-	-
Cable Performance Margin	7.96dB	1.33dB	-	-
Operating Margin	-	23.45%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



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		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	SHIP:02	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-22.60dBm	-22.30dBm	-	-
Cable Performance Margin	6.83dB	1.90dB	-	-
Operating Margin	-	35.92%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_ Date: \_\_\_\_\_  
 Customer: \_\_\_\_\_ Date: \_\_\_\_\_



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Site ID:	Durst Printing	Page:	15
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	SHIP:03	Date of test:	11/02/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	0.69
Number of Connector Pairs:	4
Number of Splices:	0
Cable Type:	62.5uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-20.17dBm	-	-
Fiber Loss	-	1.03dB	-	-
Connector Loss	-	3.00dB	-	-
Splice Loss	-	0.00dB	-	-
Total Calculated System Attenuation	-	4.03dB	-	-
Minimum Required Power (TIA-568)	-29.43dBm	-24.20dBm	-	-
Absolute System Power	-22.31dBm	-21.80dBm	-	-
Cable Performance Margin	7.12dB	2.40dB	-	-
Operating Margin	-	48.29%	-	-
Pass/Fail	Note1	Pass	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

N9623 Hwy 12, Whitewater, WI 53190

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Site ID:	MILLER	Page:	16
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-00	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-25.00dBm	-	-
Absolute System Power	-25.41dBm	-24.66dBm	-	-
Cable Performance Margin	-1.41dB	0.34dB	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	Note1	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_ Date: \_\_\_\_\_  
 Customer: \_\_\_\_\_ Date: \_\_\_\_\_





# Circuit Detail Report

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Site ID:	MILLER	Page:	17
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-01	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-25.00dBm	-	-
Absolute System Power	-24.19dBm	-24.20dBm	-	-
Cable Performance Margin	-0.19dB	0.80dB	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	Note1	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



# Circuit Detail Report

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Site ID:	MILLER	Page:	18
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-02	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-25.00dBm	-	-
Absolute System Power	-18.39dBm	-22.95dBm	-	-
Cable Performance Margin	5.61dB	2.05dB	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	Note1	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

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Site ID:	MILLER	Page:	19
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-03	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-25.00dBm	-	-
Absolute System Power	-18.17dBm	-23.11dBm	-	-
Cable Performance Margin	5.83dB	1.89dB	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	Note1	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester:	_____	Date:	_____
Customer:	_____	Date:	_____



# Circuit Detail Report

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Site ID:	MILLER	Page:	20
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-04	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-25.00dBm	-	-
Absolute System Power	-18.76dBm	-22.58dBm	-	-
Cable Performance Margin	5.24dB	2.42dB	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	Note1	-	-

Note 1 - Manually set reference

Note 2 - Fiber type mismatch

Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_

Date: \_\_\_\_\_

Customer: \_\_\_\_\_

Date: \_\_\_\_\_



# Circuit Detail Report

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Site ID:	MILLER	Page:	21
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBF-05	Date of test:	11/06/2000
Calibration Date	10/14/2000	Temperature:	-

### Circuit Characteristics

Fiber Length (in kilometers):	-
Number of Connector Pairs:	-
Number of Splices:	-
Cable Type:	50.0uM MM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-	-	-	-
Fiber Loss	-	-	-	-
Connector Loss	-	-	-	-
Splice Loss	-	-	-	-
Total Calculated System Attenuation	-	-	-	-
Minimum Required Power (TIA-568)	-24.00dBm	-	-	-
Absolute System Power	-19.94dBm	-	-	-
Cable Performance Margin	4.06dB	-	-	-
Operating Margin	-	-	-	-
Pass/Fail	Note1	-	-	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester:	_____	Date:	_____
Customer:	_____	Date:	_____



# Circuit Detail Report

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Site ID:	West Warehouse	Page:	22
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#00	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-13.74dBm	-	-12.08dBm	-12.64dBm
Cable Performance Margin	0.78dB	-	1.81dB	1.41dB
Operating Margin	14.29%	-	37.55%	27.86%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	23
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#01	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-14.65dBm	-	-11.38dBm	-12.12dBm
Cable Performance Margin	-0.13dB	-	2.51dB	1.93dB
Operating Margin	-2.21%	-	56.82%	40.64%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	24
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#02	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-13.52dBm	-	-12.26dBm	-13.03dBm
Cable Performance Margin	1.00dB	-	1.63dB	1.02dB
Operating Margin	18.81%	-	33.08%	19.23%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_





# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	25
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#03	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-14.12dBm	-	-13.14dBm	-12.99dBm
Cable Performance Margin	0.40dB	-	0.75dB	1.06dB
Operating Margin	7.01%	-	13.69%	20.08%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	26
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#04	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-14.56dBm	-	-12.86dBm	-10.92dBm
Cable Performance Margin	-0.04dB	-	1.03dB	3.13dB
Operating Margin	-0.67%	-	19.44%	76.69%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	27
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#05	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-10.29dBm
Fiber Loss	1.96dB	-	1.96dB	1.96dB
Connector Loss	1.50dB	-	1.50dB	1.50dB
Splice Loss	0.30dB	-	0.30dB	0.30dB
Total Calculated System Attenuation	3.76dB	-	3.76dB	3.76dB
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-14.05dBm
Absolute System Power	-13.61dBm	-	-11.74dBm	-11.68dBm
Cable Performance Margin	0.91dB	-	2.15dB	2.37dB
Operating Margin	16.93%	-	46.53%	52.72%
Pass/Fail	Note3	-	Pass	Pass

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_



# Circuit Detail Report

## Optical Wavelength Laboratories

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Site ID:	West Warehouse	Page:	28
Company Name:	CompuNet	Meter Type:	MicroOWL
		Serial Number:	SN:MO11009
		Software Version:	V1.12
Telephone Number:	262-473-7283	Report Date:	05/04/2001

Circuit ID:	BBONE#06	Date of test:	11/24/2000
Calibration Date	10/14/2000	Temperature:	81.0 F

### Circuit Characteristics

Fiber Length (in kilometers):	1.96
Number of Connector Pairs:	2
Number of Splices:	1
Cable Type:	INDOOR SM

### Circuit Test Results

	850nm	1300nm	1310nm	1550nm
<b>Passive Cable System Attenuation</b>				
Detected Source Power	-10.76dBm	-	-10.13dBm	-
Fiber Loss	1.96dB	-	1.96dB	-
Connector Loss	1.50dB	-	1.50dB	-
Splice Loss	0.30dB	-	0.30dB	-
Total Calculated System Attenuation	3.76dB	-	3.76dB	-
Minimum Required Power (TIA-568)	-14.52dBm	-	-13.89dBm	-
Absolute System Power	-14.41dBm	-	-11.88dBm	-
Cable Performance Margin	0.11dB	-	2.01dB	-
Operating Margin	1.86%	-	42.75%	-
Pass/Fail	Note3	-	Pass	-

Note 1 - Manually set reference      Note 2 - Fiber type mismatch      Note 3 - Not covered by TIA standard

Installer/Tester: \_\_\_\_\_  
 Customer: \_\_\_\_\_

Date: \_\_\_\_\_  
 Date: \_\_\_\_\_