Informe OTDR (1550 nm (9 µm))

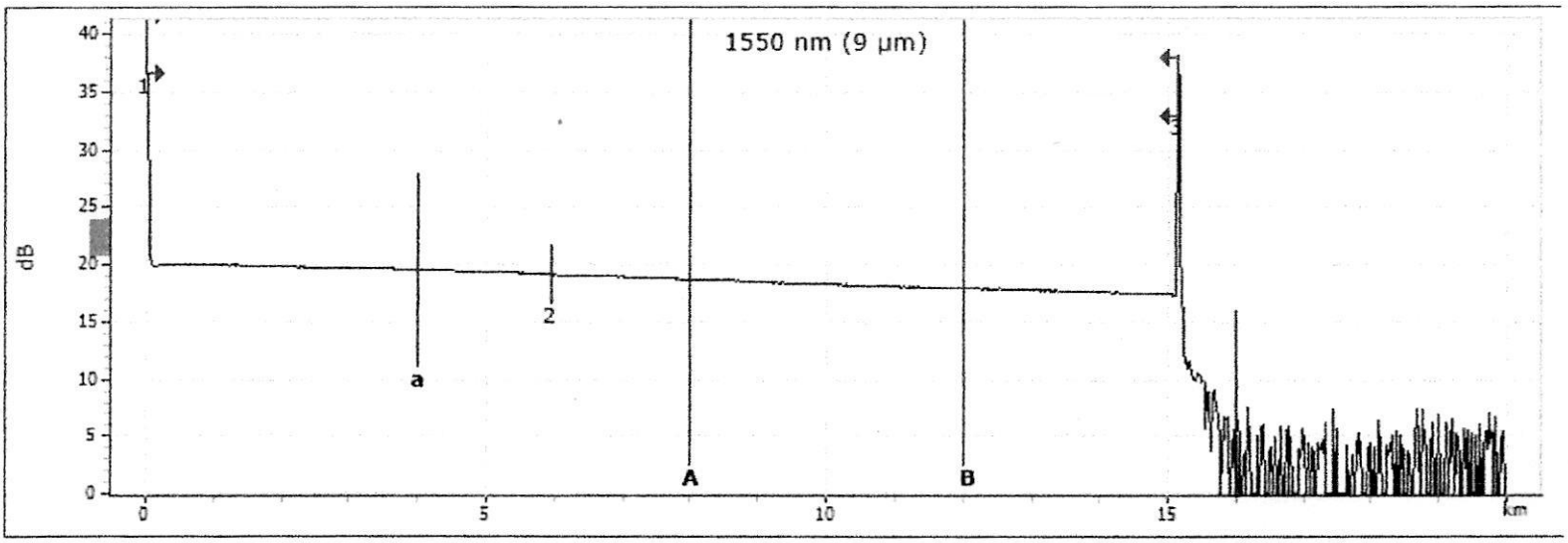
Información general

Nombre de archivo:	GOB A 26.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:48:43 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 26
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1404 km	Average loss:	0,177 dB/km	Injection level:	20,1 dB
Span loss:	2,681 dB	Average splice loss:	0,081 dB		
Span ORL:	<14,91 dB	Maximum splice loss:	0,081 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,567
A	7,9982	18,702
B	11,9974	17,962
b	15,9966	7,511

A-B LSA attenuation:	0,197 dB/km	A-B average loss:	0,185 dB/km
A-B LSA loss:	0,789 dB	4-point Event Loss:	-3,222 dB
A-B ORL:	36,69 dB	Maximum reflectance:	-71,0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		5,9609	0,887		0,149	0,887
Non-Reflective	2	5,9609	0,081			0,968
Section		9,1795	1,713		0,187	2,681
Reflective	3	15,1404	---	>-14,0		2,681

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

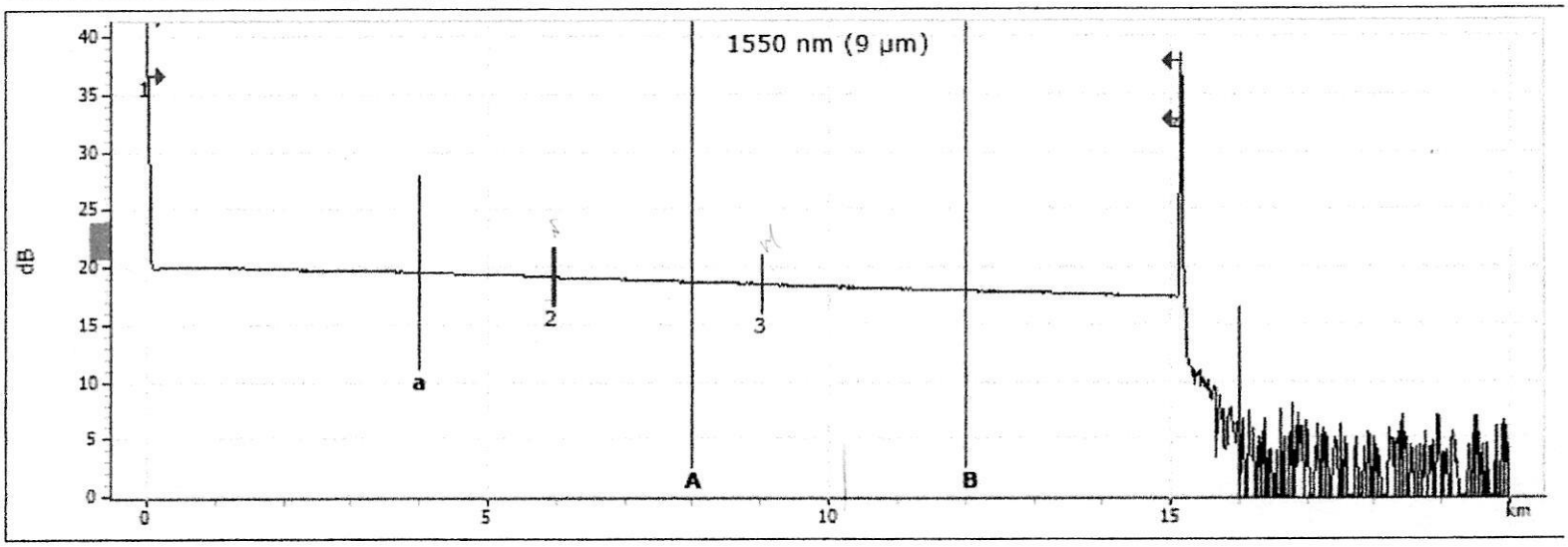
Información general

Nombre de archivo:	GOB A 27.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:49:21 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 27
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1407 km	Average loss:	0,177 dB/km	Injection level:	20,1 dB
Span loss:	2,685 dB	Average splice loss:	0,085 dB		
Span ORL:	<14,93 dB	Maximum splice loss:	0,102 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,537
A	7,9982	18,660
B	11,9974	17,950
b	15,9966	8,042

A-B LSA attenuation:	0,200 dB/km	A-B average loss:	0,178 dB/km
A-B LSA loss:	0,798 dB	4-point Event Loss:	-3,054 dB
A-B ORL:	36,61 dB	Maximum reflectance:	-70,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,00
Section		5,9587	0,888		0,149	0,88
Merged Events	2	5,9587	0,102	---		0,99
Section		3,0750	0,568		0,185	1,55
Non-Reflective	3	9,0337	0,068			1,62
Section		6,1070	1,060		0,174	2,68
Reflective	4	15,1407	---	> -14,0		2,68

Macrobend

EXFO

Firma: Tecnosistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

Informe OTDR (1550 nm (9 µm))

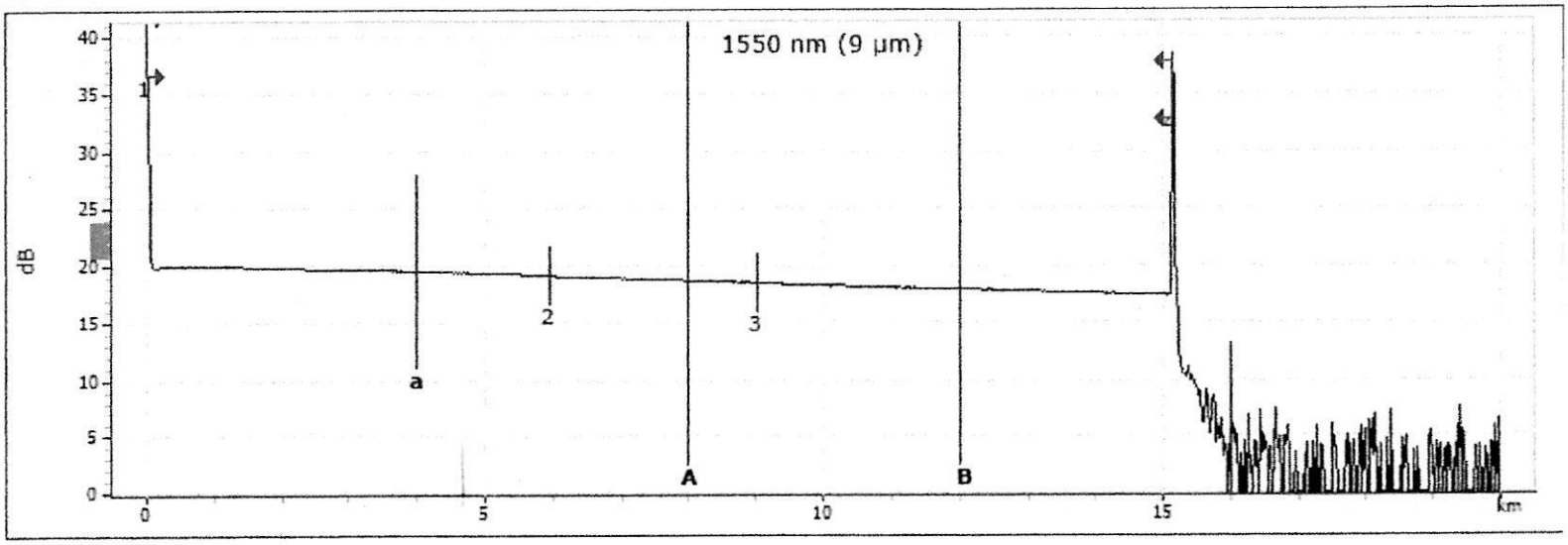
Información general

Nombre de archivo:	GOB A 28.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:50:02 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 28
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1407 km	Average loss:	0,178 dB/km	Injection level:	20,1 dB
Span loss:	2,690 dB	Average splice loss:	0,086 dB		
Span ORL:	<14,94 dB	Maximum splice loss:	0,100 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,540
A	7,9982	18,732
B	11,9974	17,989
b	15,9966	4,714

A-B LSA attenuation:	0,199 dB/km	A-B average loss:	0,186 dB/km
A-B LSA loss:	0,798 dB	4-point Event Loss:	-3,268 dB
A-B ORL:	36,74 dB	Maximum reflectance:	-70,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		5,9580	0,887		0,149	0,887
Non-Reflective	2	5,9580	0,100			0,987
Section		3,0766	0,569		0,185	1,556
Non-Reflective	3	9,0347	0,071			1,627
Section		6,1061	1,063		0,174	2,690
Reflective	4	15,1407	---	>-14,0		2,690

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

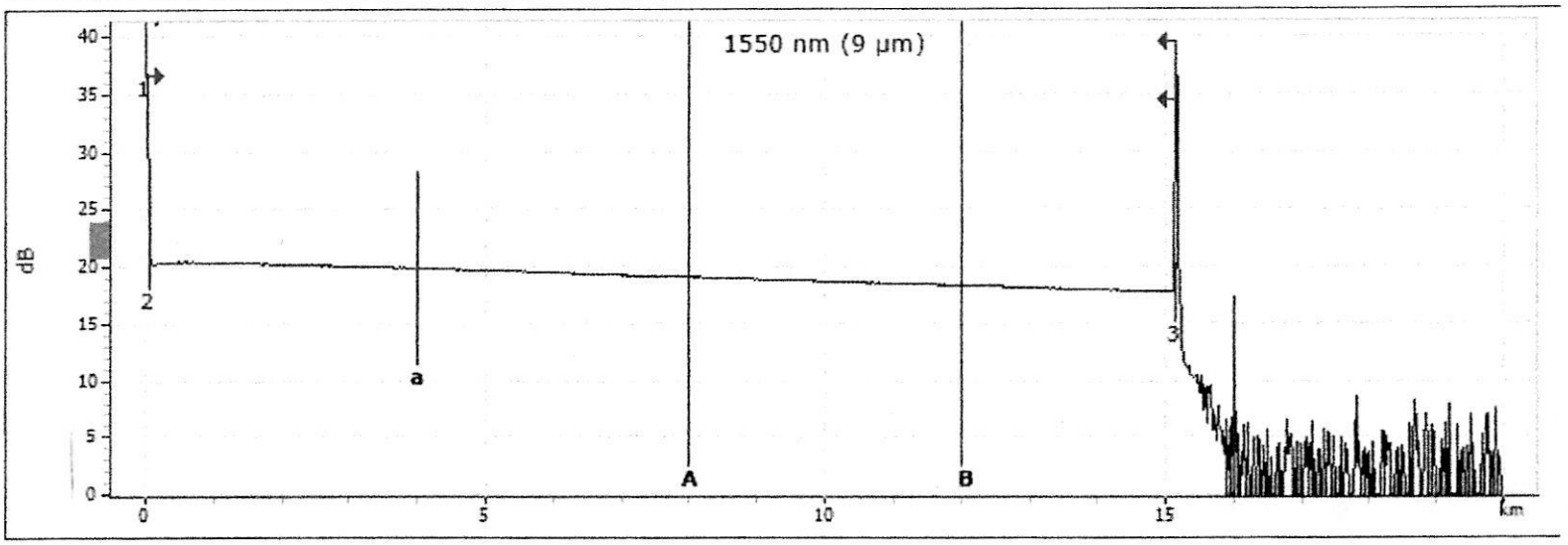
Información general

Nombre de archivo:	GOB A 29.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:50:37 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 29
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1394 km	Average loss:	0,482 dB/km	Injection level:	24,9 dB
Span loss:	7,294 dB	Average splice loss:	4,412 dB		
Span ORL:	<24,32 dB	Maximum splice loss:	4,412 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,878
A	7,9982	19,107
B	11,9974	18,395
b	15,9966	8,962

A-B LSA attenuation:	0,189 dB/km	A-B average loss:	0,178 dB/km
A-B LSA loss:	0,757 dB	4-point Event Loss:	-3,265 dB
A-B ORL:	36,68 dB	Maximum reflectance:	-70,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,6		0,000
Section		0,0459	0,069		1,500	0,069
Non-Reflective	2	0,0459	4,412			4,481
Section		15,0935	2,812		0,186	7,294
Reflective	3	15,1394	---	>-14,0		7,294

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

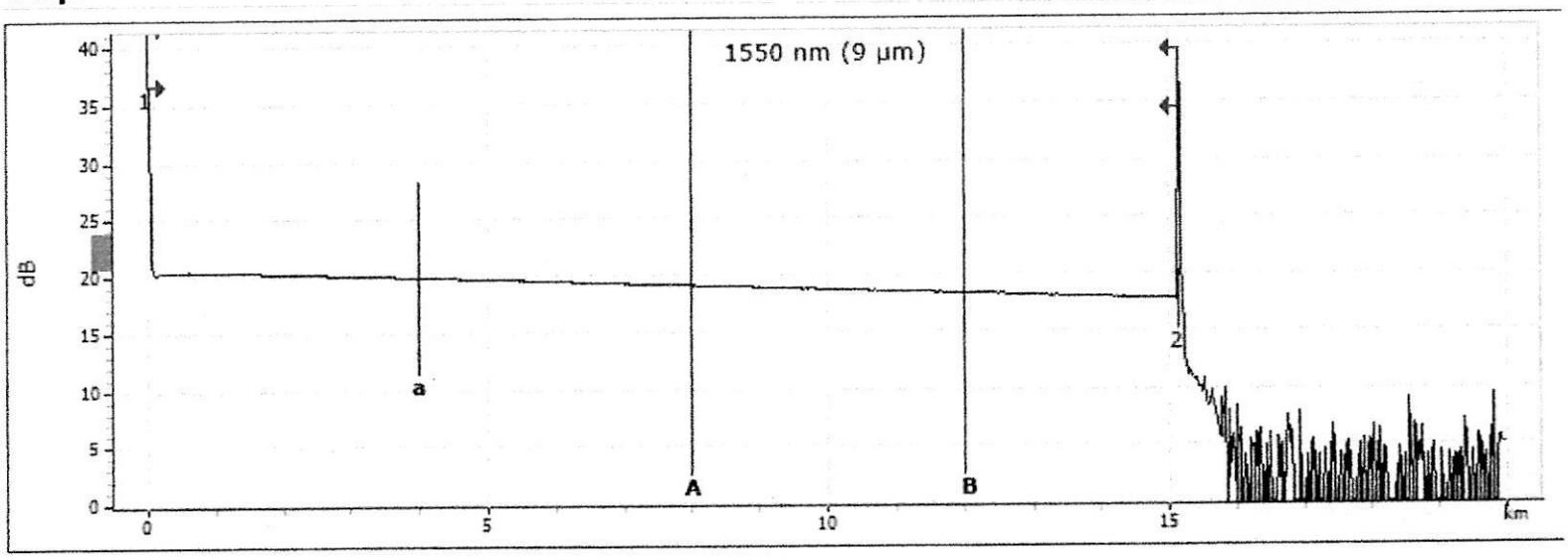
Información general

Nombre de archivo:	GOB A 30.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:51:20 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 30
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1394 km	Average loss:	0,186 dB/km	Injection level:	20,5 dB
Span loss:	2,820 dB	Average splice loss:	---		
Span ORL:	<15,47 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,867
A	7,9982	19,109
B	11,9974	18,359
b	15,9966	0,000

A-B LSA attenuation:	0,189 dB/km	A-B average loss:	0,188 dB/km
A-B LSA loss:	0,756 dB	4-point Event Loss:	-3,114 dB
A-B ORL:	36,71 dB	Maximum reflectance:	-70,0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1394	2,820		0,186	2,820
Reflective	2	15,1394	---	>-14,0		2,820

Macrobend

EXFO

Firma: técnicos sistemas

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

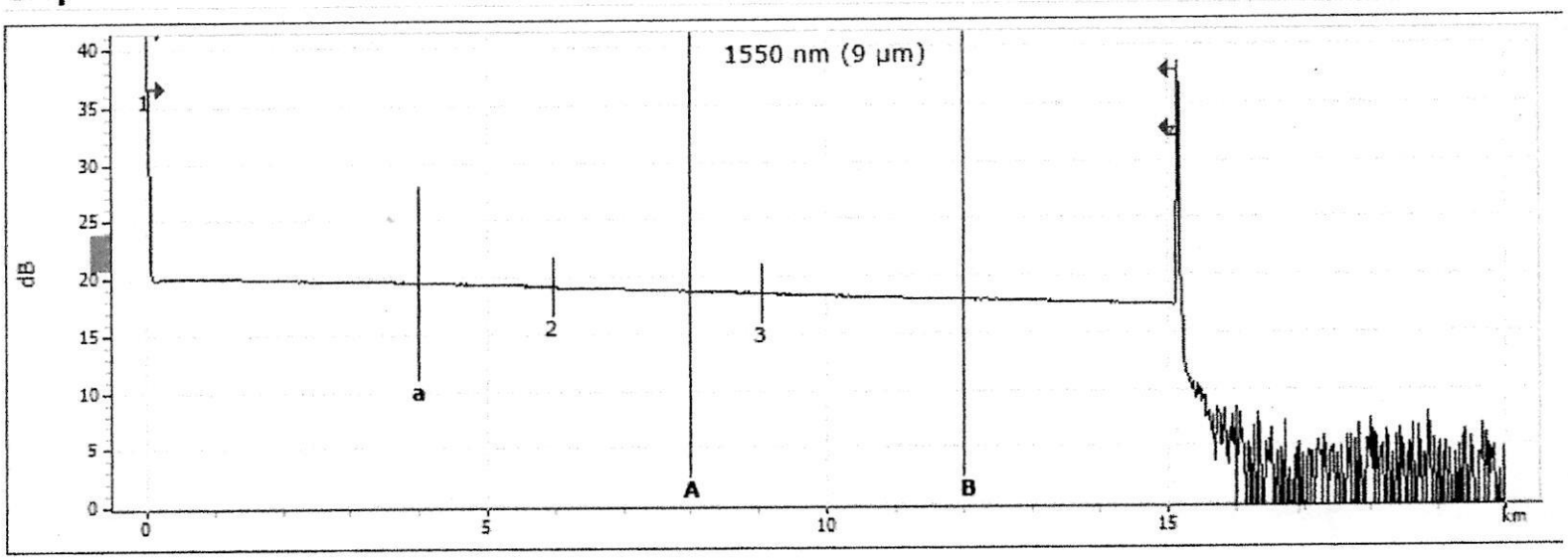
Información general

Nombre de archivo:	GOB A 31.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:51:58 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 31
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1407 km	Average loss:	0,177 dB/km	Injection level:	20,1 dB
Span loss:	2,686 dB	Average splice loss:	0,085 dB		
Span ORL:	<14,94 dB	Maximum splice loss:	0,100 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,533
A	7,9982	18,666
B	11,9974	17,965
b	15,9966	0,000

A-B LSA attenuation:	0,199 dB/km	A-B average loss:	0,175 dB/km
A-B LSA loss:	0,797 dB	4-point Event Loss:	-3,142 dB
A-B ORL:	36,62 dB	Maximum reflectance:	-71,1 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	<-23,4		0,00
Section		5,9698	0,888		0,149	0,88
Non-Reflective	2	5,9698	0,100			0,98
Section		3,0872	0,576		0,187	1,56
Non-Reflective	3	9,0570	0,069			1,63
Section		6,0837	1,053		0,173	2,68
Reflective	4	15,1407	---	>-14,0		2,68

Macrobend

EXFO

Firma: Tecnosistemas

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

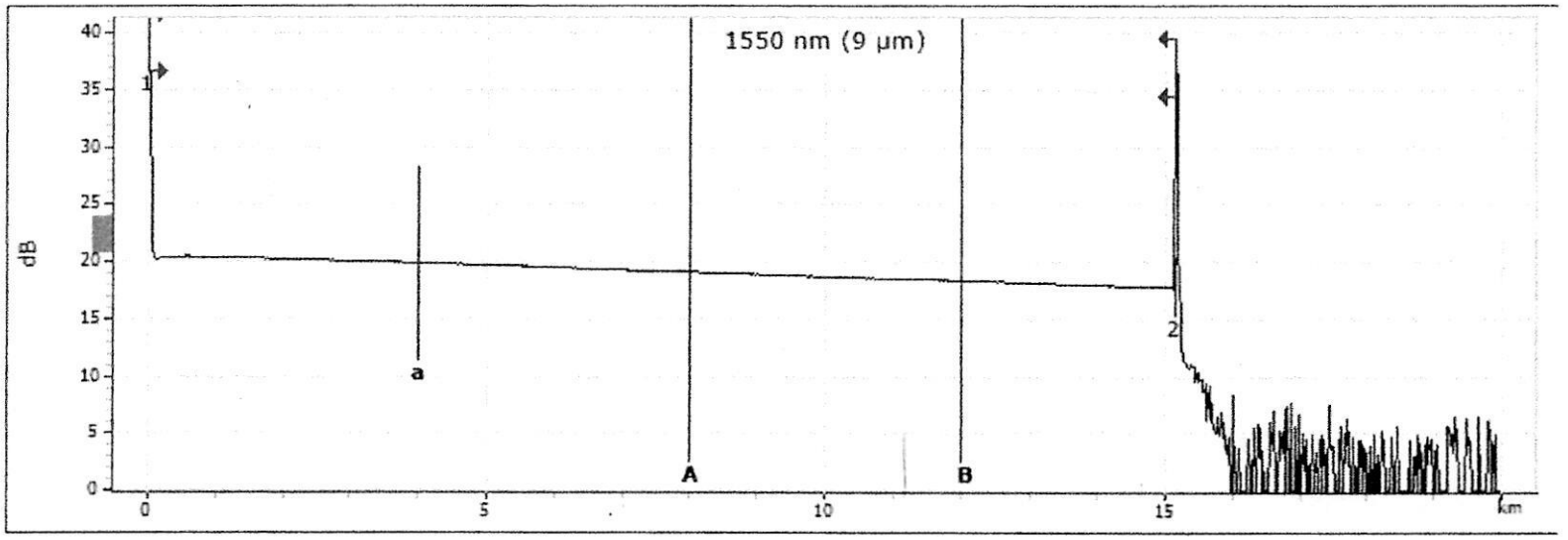
Información general

Nombre de archivo:	GOB A 32.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:52:38 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 32
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1394 km	Average loss:	0,186 dB/km	Injection level:	20,5 dB
Span loss:	2,823 dB	Average splice loss:	---		
Span ORL:	<15,48 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,874
A	7,9982	19,063
B	11,9974	18,387
b	15,9966	0,000

A-B LSA attenuation:	0,187 dB/km	A-B average loss:	0,169 dB/km
A-B LSA loss:	0,750 dB	4-point Event Loss:	-3,338 dB
A-B ORL:	36,61 dB	Maximum reflectance:	-70,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1394	2,823		0,186	2,823
Reflective	2	15,1394	---	>-14,0		2,823

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

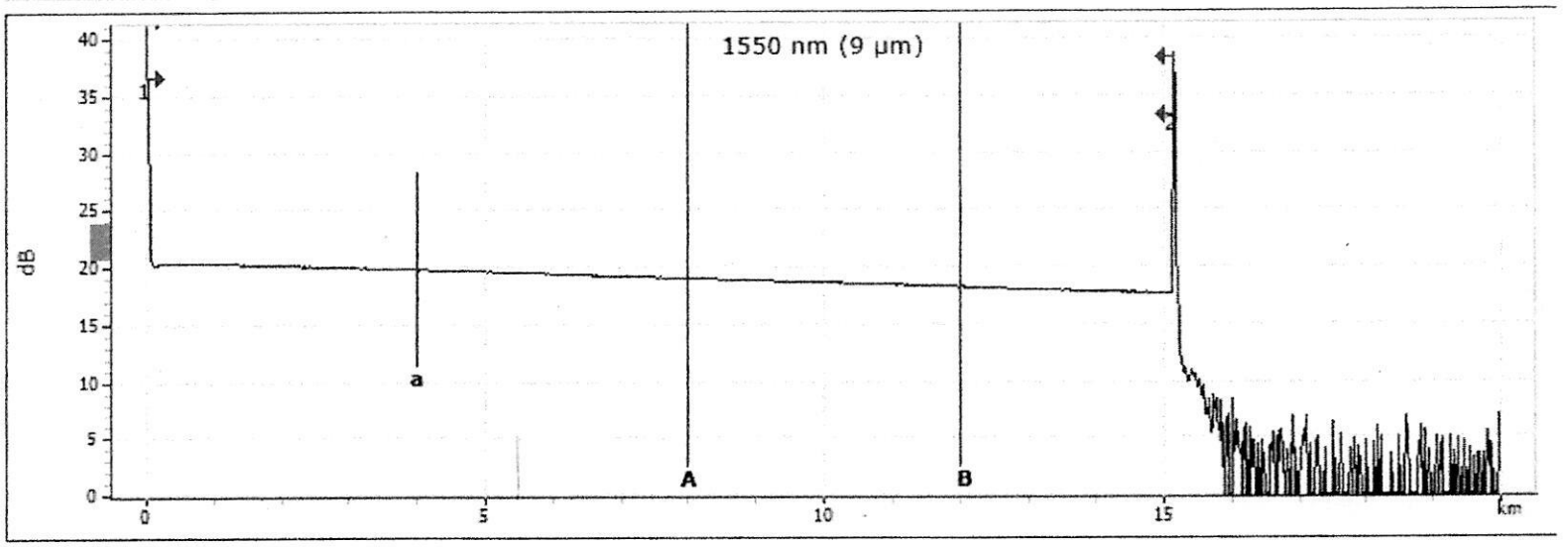
Información general

Nombre de archivo:	GOB A 33.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:53:15 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 33
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1404 km	Average loss:	0,191 dB/km	Injection level:	20,4 dB
Span loss:	2,885 dB	Average splice loss:	---		
Span ORL:	<15,40 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,767
A	7,9982	18,996
B	11,9974	18,214
b	15,9966	0,000

A-B LSA attenuation:	0,184 dB/km	A-B average loss:	0,196 dB/km
A-B LSA loss:	0,735 dB	4-point Event Loss:	-3,205 dB
A-B ORL:	36,67 dB	Maximum reflectance:	-71,0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,00
Section		15,1404	2,885		0,191	2,88
Reflective	2	15,1404	---	>-13,8		2,88

Macrobend

EXFO

Firma: Tecnico Sistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

EXFO

Firma: Técnico de sistemas Fecha: 12/04/2021

3230

Informe OTDR (1550 nm (9 µm))

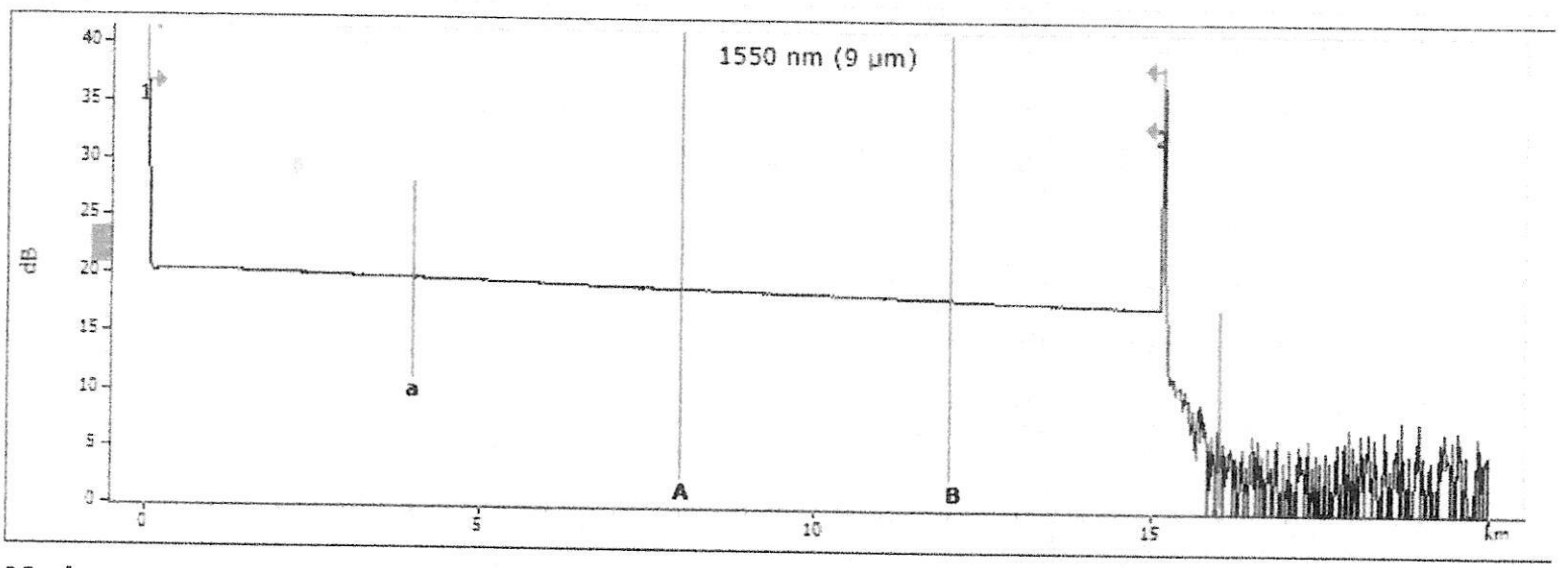
Información general

Nombre de archivo:	GOB A 34.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:53:50 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 34
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1404 km	Average loss:	0,191 dB/km	Injection level:	20,4 dB
Span loss:	2,886 dB	Average splice loss:	---		
Span ORL:	<15,42 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,735
A	7,9982	19,003
B	11,9974	18,270
b	15,9966	9,038

A-B LSA attenuation:	0,185 dB/km	A-B average loss:	0,183 dB/km
A-B LSA loss:	0,738 dB	4-point Event Loss:	-3,150 dB
A-B ORL:	36,69 dB	Maximum reflectance:	-71,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	[redacted]		0,000
Section		15,1404	2,886		0,191	2,886
Reflective	2	15,1404	---	[redacted]		2,886

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3232

Informe OTDR (1550 nm (9 µm))

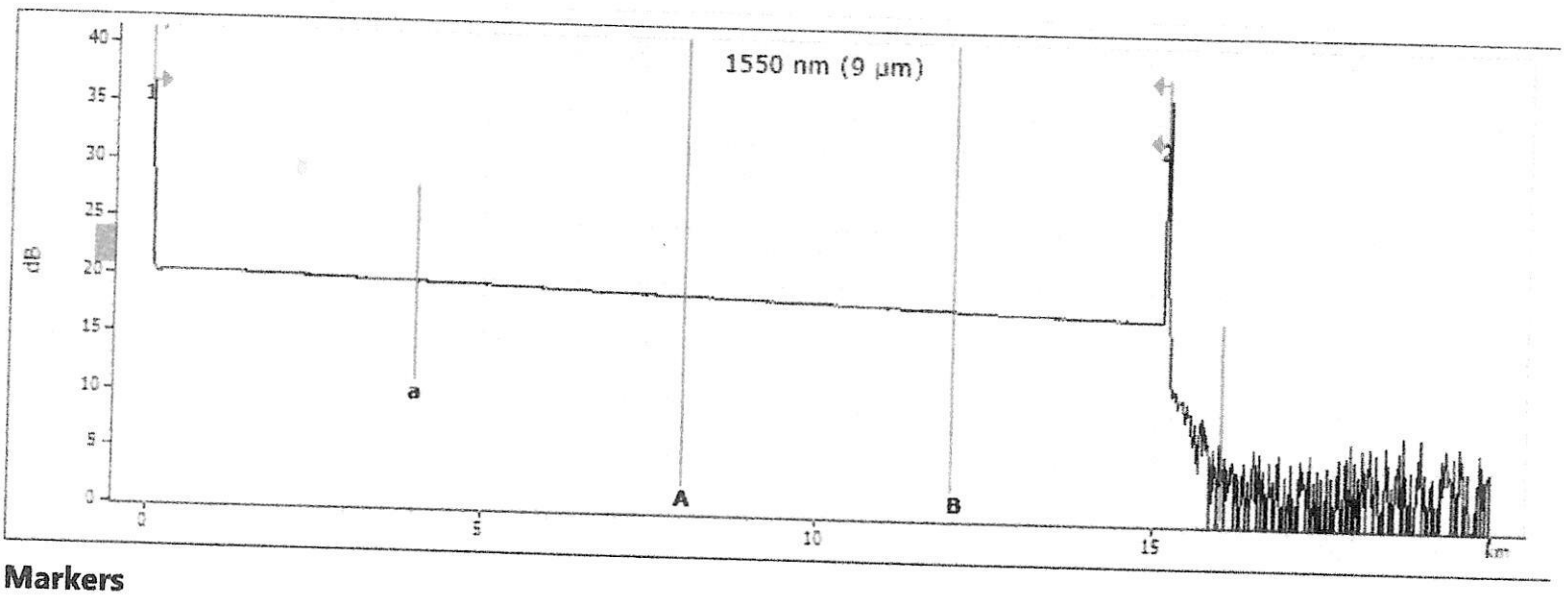
Información general

Nombre de archivo:	GOB A 34.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:53:50 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 34
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1404 km	Average loss:	0,191 dB/km	Injection level:	20,4 dB
Span loss:	2,886 dB	Average splice loss:	---		
Span ORL:	<15,42 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,735
A	7,9982	19,003
B	11,9974	18,270
b	15,9966	9,038

A-B LSA attenuation:	0,185 dB/km	A-B average loss:	0,183 dB/km
A-B LSA loss:	0,738 dB	4-point Event Loss:	-3,150 dB
A-B ORL:	36,69 dB	Maximum reflectance:	-71,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	[redacted]		0,000
Section		15,1404	2,886		0,191	2,886
Reflective	2	15,1404	---	[redacted]		2,886

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

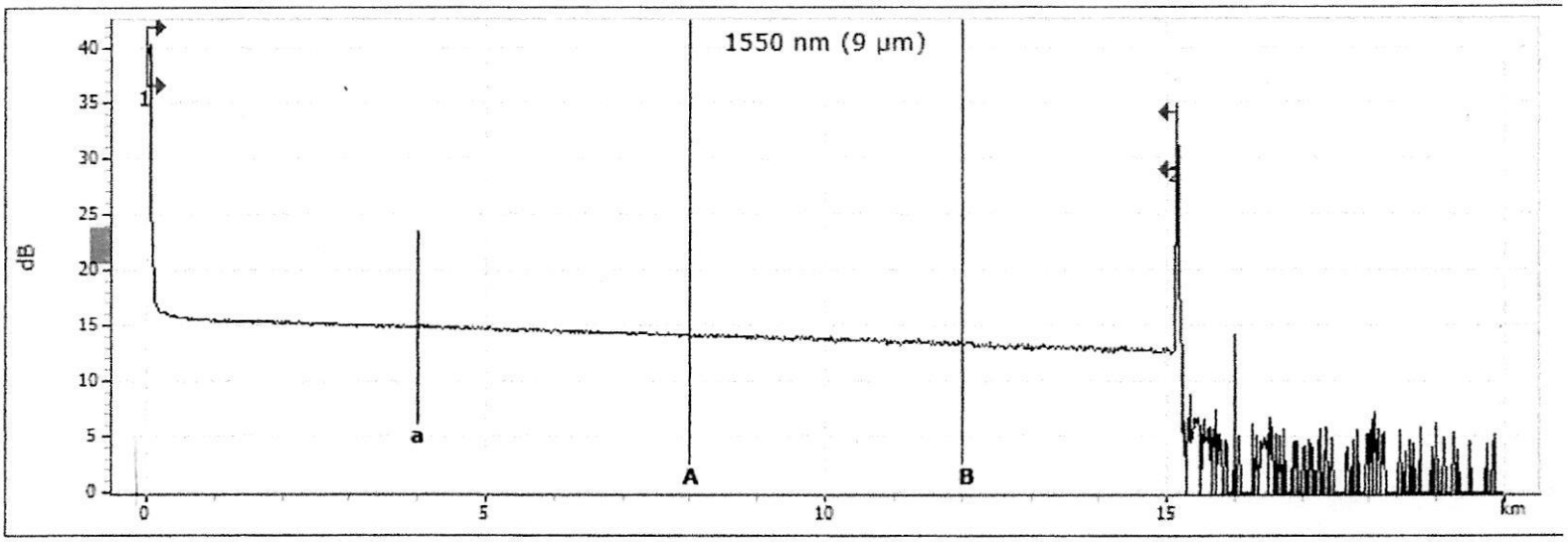
Información general

Nombre de archivo:	GOB A 35.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:54:20 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 35
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1407 km	Average loss:	0,200 dB/km	Injection level:	15,8 dB
Span loss:	3,030 dB	Average splice loss:	---		
Span ORL:	---	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	14,929
A	7,9982	14,092
B	11,9974	13,481
b	15,9966	5,521

A-B LSA attenuation:	0,181 dB/km	A-B average loss:	0,153 dB/km
A-B LSA loss:	0,724 dB	4-point Event Loss:	-2,621 dB
A-B ORL:	36,53 dB	Maximum reflectance:	-61,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1407	3,030		0,200	3,030
Reflective	2	15,1407	---	-14,0		3,030

Macrobend

EXFO

Firma: Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

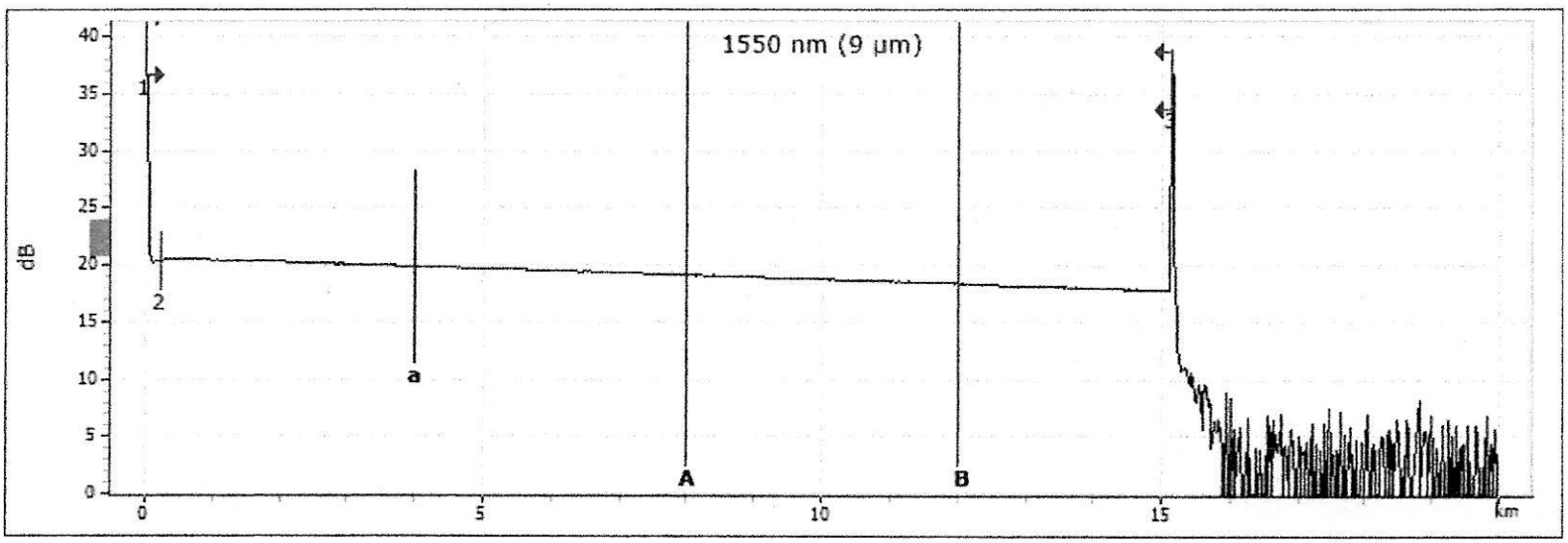
Información general

Nombre de archivo:	GOB A 36.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:54:56 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 36
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1404 km	Average loss:	0,163 dB/km	Injection level:	20,2 dB
Span loss:	2,468 dB	Average splice loss:	-0,330 dB		
Span ORL:	>14,97 dB	Maximum splice loss:	-0,330 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,886
A	7,9982	19,162
B	11,9974	18,438
b	15,9966	0,000

A-B LSA attenuation:	0,175 dB/km	A-B average loss:	0,181 dB/km
A-B LSA loss:	0,699 dB	4-point Event Loss:	-3,257 dB
A-B ORL:	36,70 dB	Maximum reflectance:	-70,3 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		0,2214	0,022		0,100	0,022
Positive	2	0,2214	-0,330			-0,308
Section		14,9190	2,776		0,186	2,468
Reflective	3	15,1404	---	>-14,0		2,468

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

Informe OTDR (1550 nm (9 µm))

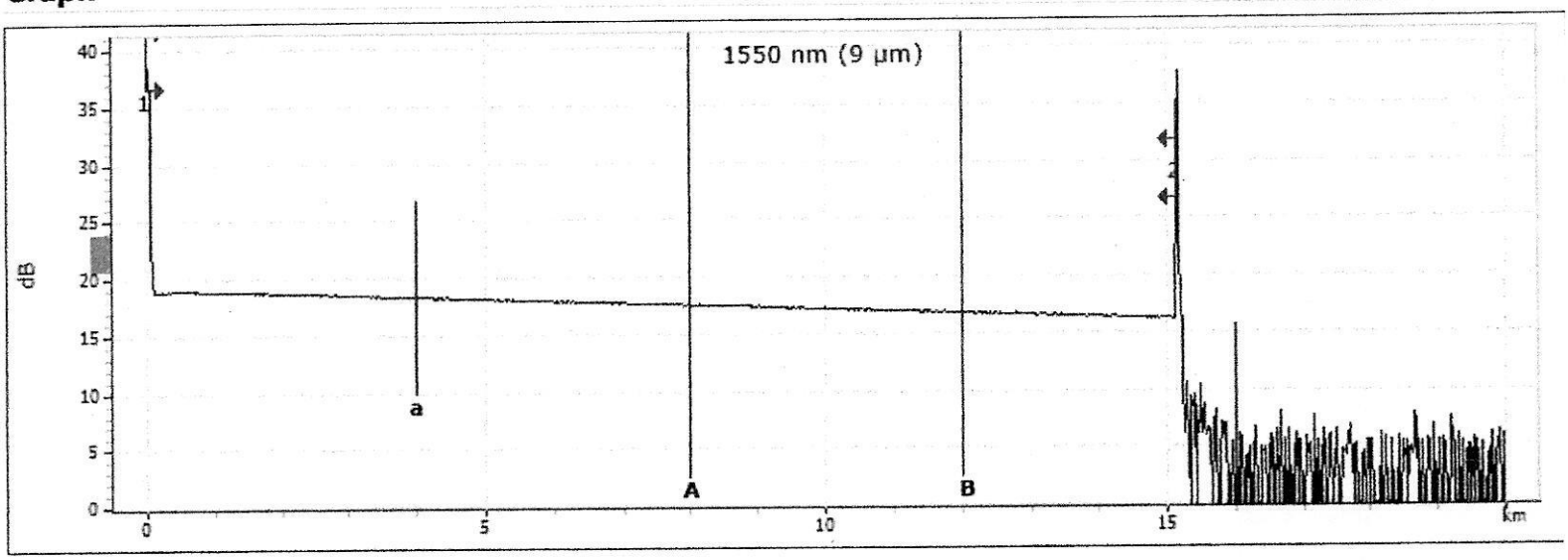
Información general

Nombre de archivo:	GOB A 37.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:56:33 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 37
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1452 km	Average loss:	0,188 dB/km	Injection level:	19,0 dB
Span loss:	2,850 dB	Average splice loss:	---		
Span ORL:	<13,23 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	18,285
A	7,9982	17,639
B	11,9974	16,790
b	15,9966	7,288

A-B LSA attenuation:	0,188 dB/km	A-B average loss:	0,212 dB/km
A-B LSA loss:	0,750 dB	4-point Event Loss:	-3,199 dB
A-B ORL:	36,83 dB	Maximum reflectance:	-68,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,00
Section		15,1452	2,850		0,188	2,85
Reflective	2	15,1452	---	-13,9		2,85

Macrobend

EXFO

Firma: [signature]

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

Informe OTDR (1550 nm (9 µm))

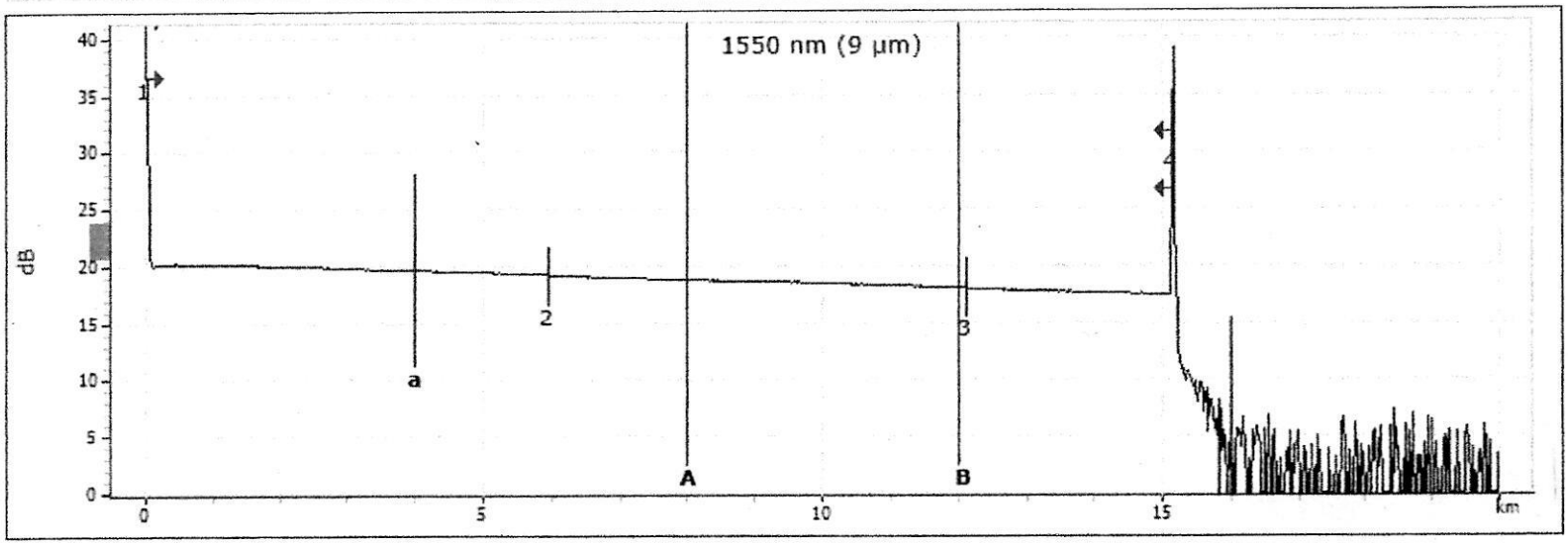
Información general

Nombre de archivo:	GOB A 38.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:57:08 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 38
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1461 km	Average loss:	0,190 dB/km	Injection level:	20,3 dB
Span loss:	2,873 dB	Average splice loss:	0,112 dB		
Span ORL:	<15,46 dB	Maximum splice loss:	0,130 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,628
A	7,9982	18,829
B	11,9974	18,141
b	15,9966	7,064

A-B LSA attenuation:	0,165 dB/km	A-B average loss:	0,172 dB/km
A-B LSA loss:	0,660 dB	4-point Event Loss:	-3,204 dB
A-B ORL:	36,62 dB	Maximum reflectance:	-70,2 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		5,9472	1,063		0,179	1,063
Non-Reflective	2	5,9472	0,094			1,156
Section		6,1670	1,046		0,170	2,202
Non-Reflective	3	12,1142	0,130			2,332
Section		3,0320	0,541		0,178	2,873
Reflective	4	15,1461	---	>-14,1		2,873

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

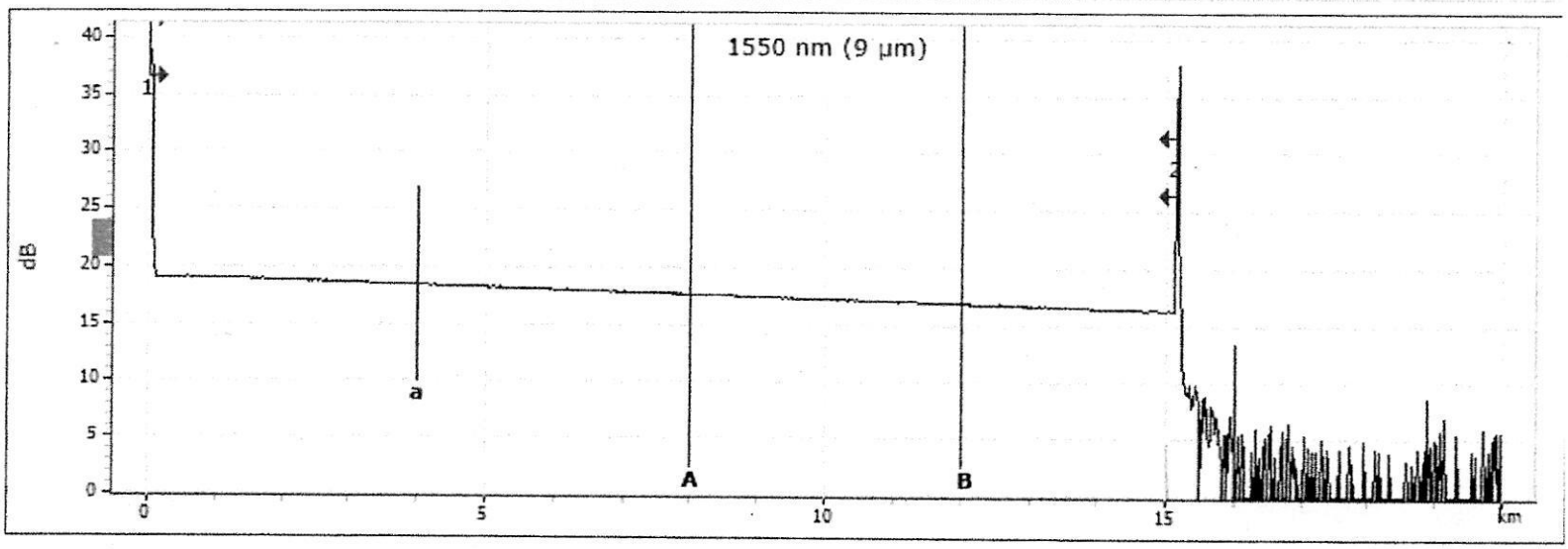
Información general

Nombre de archivo:	GOB A 39.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:57:47 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 39
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1455 km	Average loss:	0,189 dB/km	Injection level:	19,1 dB
Span loss:	2,858 dB	Average splice loss:	---		
Span ORL:	<13,16 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	18,431
A	7,9982	17,723
B	11,9974	16,962
b	15,9966	4,960

A-B LSA attenuation:	0,190 dB/km	A-B average loss:	0,190 dB/km
A-B LSA loss:	0,759 dB	4-point Event Loss:	-3,098 dB
A-B ORL:	36,76 dB	Maximum reflectance:	-71,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1455	2,858		0,189	2,858
Reflective	2	15,1455	---	-13,8		2,858

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3244

Informe OTDR (1550 nm (9 µm))

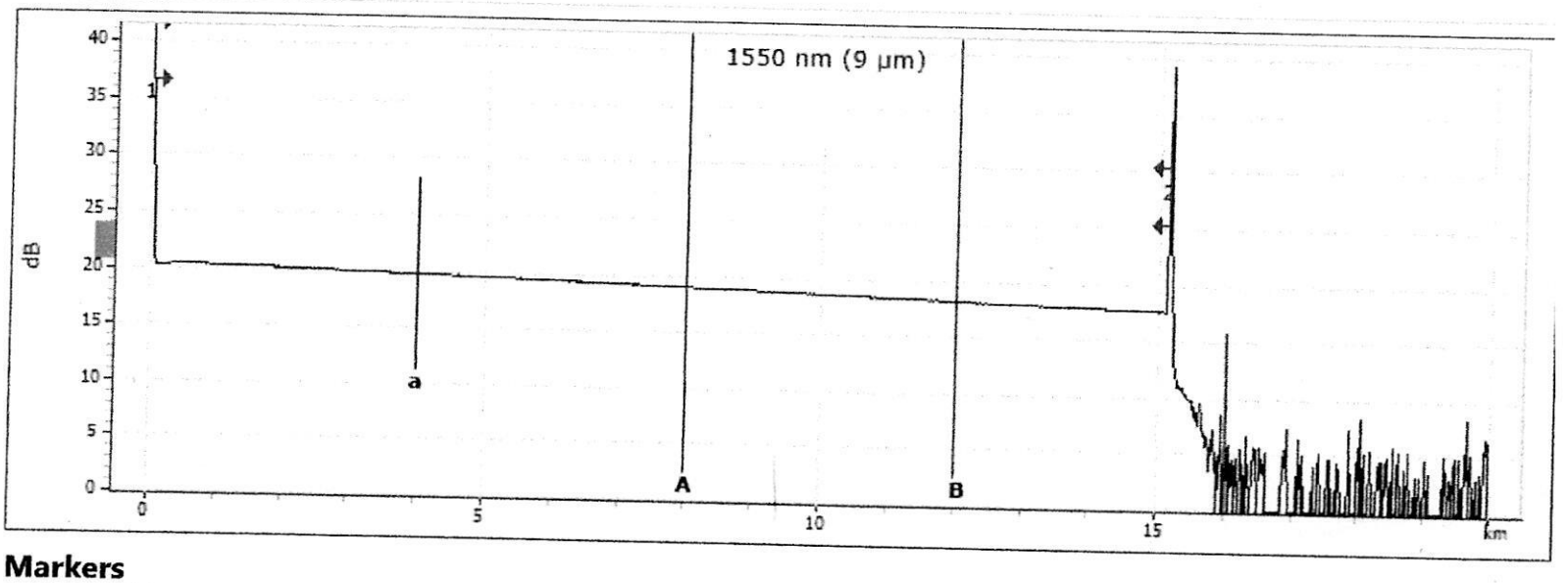
Información general

Nombre de archivo:	GOB A 40.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:58:32 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 40
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1477 km	Average loss:	0,189 dB/km	Injection level:	20,5 dB
Span loss:	2,863 dB	Average splice loss:	---		
Span ORL:	<15,51 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,761
A	7,9982	19,014
B	11,9974	18,278
b	15,9966	7,385

A-B LSA attenuation:	0,190 dB/km	A-B average loss:	0,184 dB/km
A-B LSA loss:	0,759 dB	4-point Event Loss:	-3,153 dB
A-B ORL:	36,65 dB	Maximum reflectance:	-71,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1477	2,863		0,189	2,863
Reflective	2	15,1477	---	>-13,9		2,863

Macrobend

EXFO

Firma: tecnico sistemas

Fecha: 12/04/2021

910

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

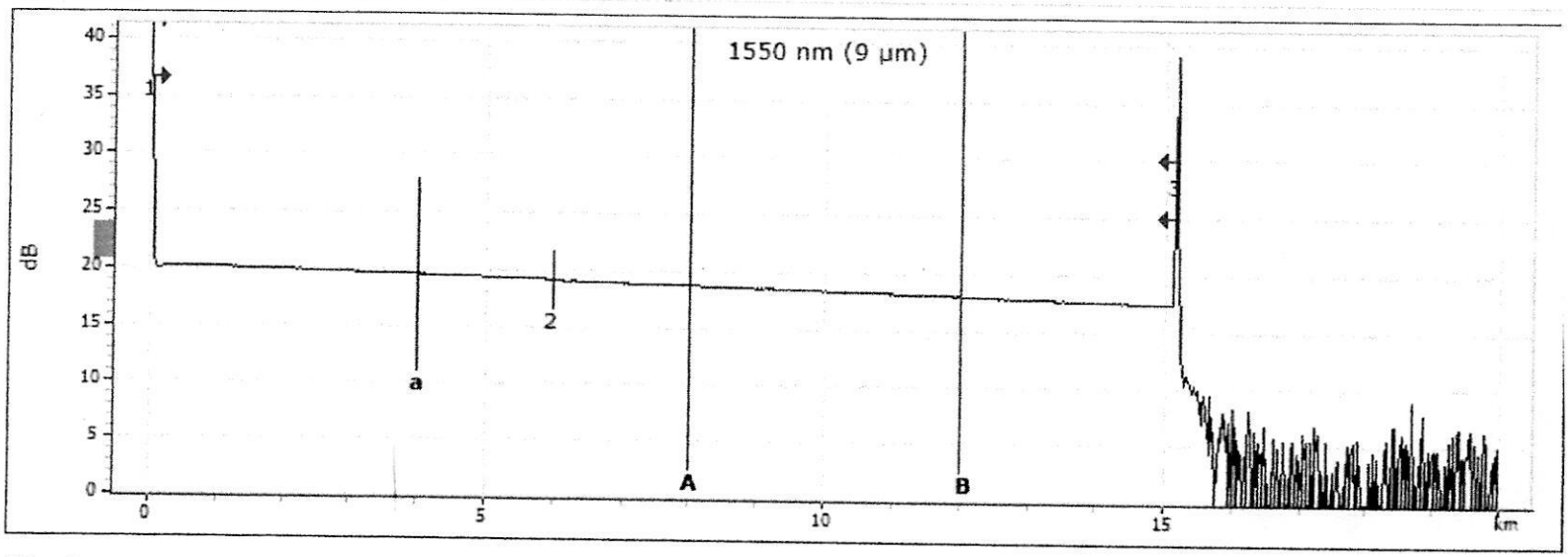
Información general

Nombre de archivo:	GOB A 41.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	11:59:13 a. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 41
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1474 km	Average loss:	0,187 dB/km	Injection level:	20,3 dB
Span loss:	2,831 dB	Average splice loss:	0,115 dB		
Span ORL:	<15,25 dB	Maximum splice loss:	0,115 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,563
A	7,9982	18,755
B	11,9974	18,034
b	15,9966	0,000

A-B LSA attenuation:	0,176 dB/km	A-B average loss:	0,180 dB/km
A-B LSA loss:	0,704 dB	4-point Event Loss:	-3,311 dB
A-B ORL:	36,62 dB	Maximum reflectance:	-68,5 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		5,9682	1,014		0,170	1,014
Non-Reflective	2	5,9682	0,115			1,129
Section		9,1792	1,702		0,185	2,831
Reflective	3	15,1474	---	-13,9		2,831

Macrobend

EXFO

Firma: técnico sistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

Informe OTDR (1550 nm (9 µm))

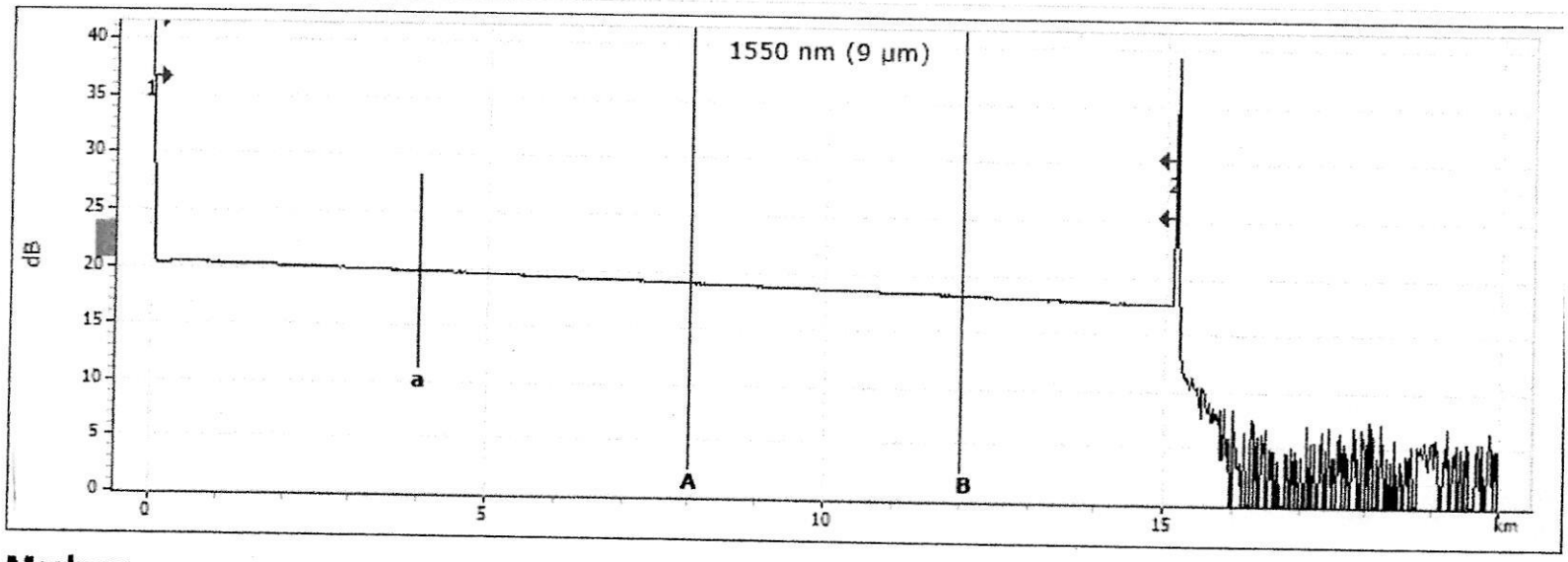
Información general

Nombre de archivo:	GOB A 42.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:00:02 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 42
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1477 km	Average loss:	0,189 dB/km	Injection level:	20,5 dB
Span loss:	2,856 dB	Average splice loss:	---		
Span ORL:	<15,52 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,778
A	7,9982	19,029
B	11,9974	18,295
b	15,9966	0,000

A-B LSA attenuation:	0,188 dB/km	A-B average loss:	0,184 dB/km
A-B LSA loss:	0,752 dB	4-point Event Loss:	-2,959 dB
A-B ORL:	36,67 dB	Maximum reflectance:	-70,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		15,1477	2,856		0,189	2,856
Reflective	2	15,1477	---	>-13,9		2,856

Macrobend

EXFO

Firma: técnico de sistemas Fecha: 12/04/2021

4/4

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

EXFO

Firma: tecnico dosistmas Fecha: 12/04/2021

415

3250

Informe OTDR (1550 nm (9 µm))

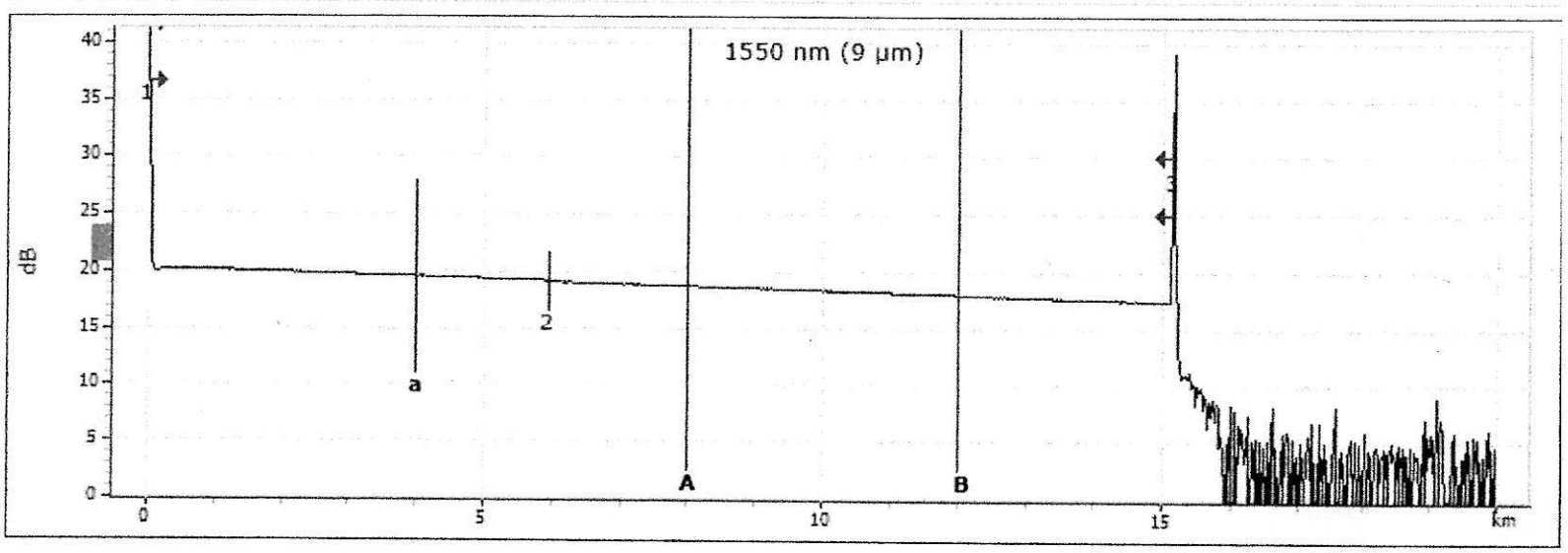
Información general

Nombre de archivo:	GOB A 43.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:00:42 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 43
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1477 km	Average loss:	0,187 dB/km	Injection level:	20,3 dB
Span loss:	2,829 dB	Average splice loss:	0,112 dB		
Span ORL:	<15,26 dB	Maximum splice loss:	0,112 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,569
A	7,9982	18,716
B	11,9974	18,006
b	15,9966	0,000

A-B LSA attenuation:	0,175 dB/km	A-B average loss:	0,178 dB/km
A-B LSA loss:	0,700 dB	4-point Event Loss:	-3,101 dB
A-B ORL:	36,54 dB	Maximum reflectance:	-69,3 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,4		0,000
Section		5,9606	1,012		0,170	1,012
Non-Reflective	2	5,9606	0,112			1,124
Section		9,1872	1,704		0,186	2,829
Reflective	3	15,1477	---	>-13,9		2,829

Macrobend

EXFO

Firma: [signature] tecnico de sistemas Fecha: 12/04/2021

416

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3252

Informe OTDR (1550 nm (9 µm))

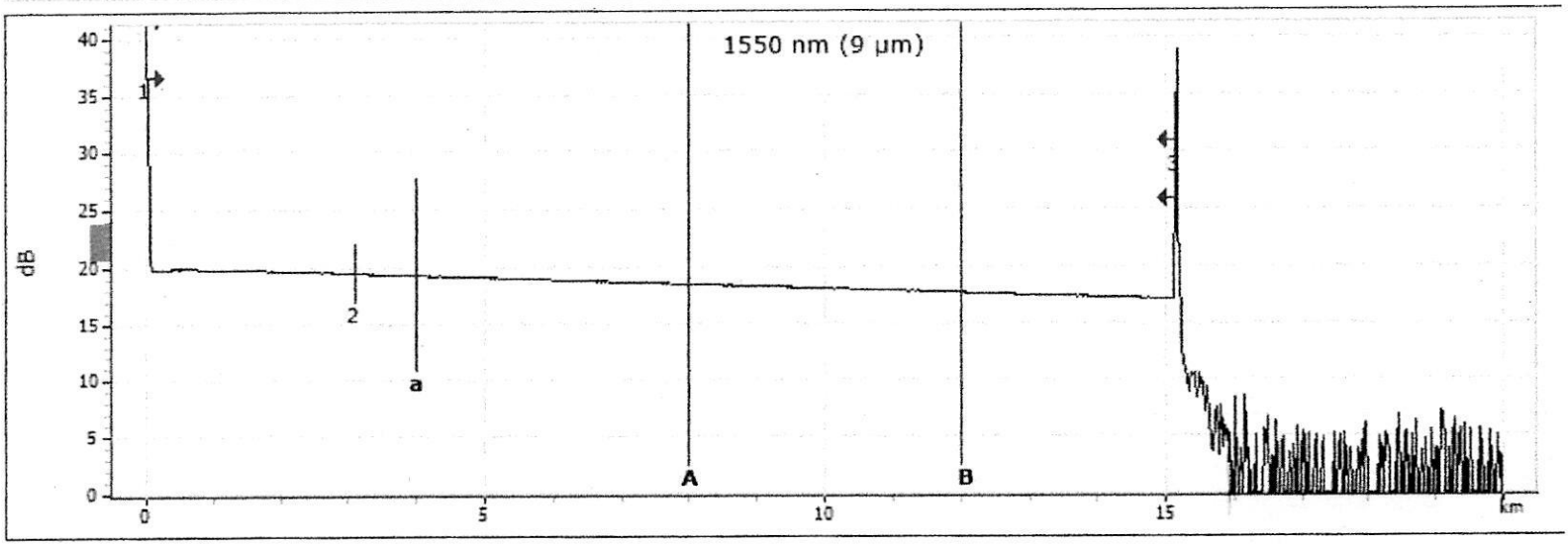
Información general

Nombre de archivo:	GOB A 44.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:01:20 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 44
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1468 km	Average loss:	0,188 dB/km	Injection level:	20,0 dB
Span loss:	2,846 dB	Average splice loss:	0,089 dB		
Span ORL:	<14,91 dB	Maximum splice loss:	0,089 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,295
A	7,9982	18,545
B	11,9974	17,704
b	15,9966	0,000

A-B LSA attenuation:	0,186 dB/km	A-B average loss:	0,210 dB/km
A-B LSA loss:	0,745 dB	4-point Event Loss:	-3,201 dB
A-B ORL:	36,76 dB	Maximum reflectance:	-70,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,5		0,000
Section		3,0929	0,424		0,137	0,424
Non-Reflective	2	3,0929	0,089			0,513
Section		12,0539	2,333		0,194	2,846
Reflective	3	15,1468	---	>-13,9		2,846

Macrobend

EXFO

Firma: tecnico sistemas

Fecha: 12/04/2021

418

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

3254

Informe OTDR (1550 nm (9 µm))

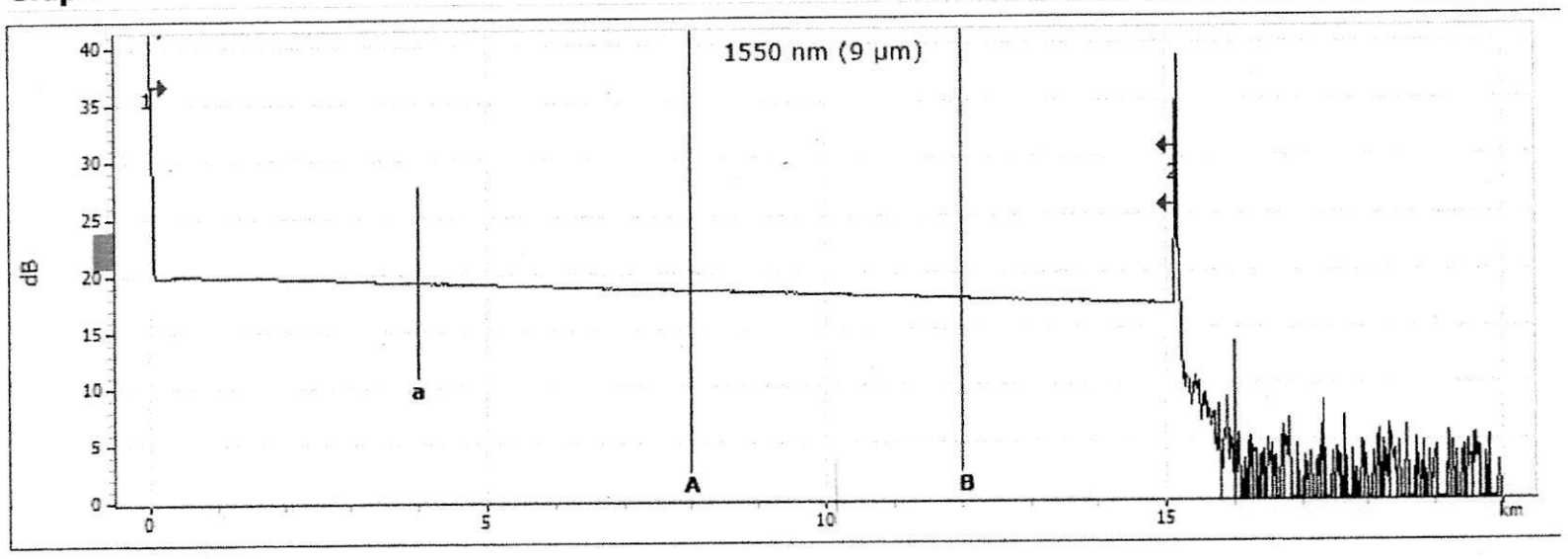
Información general

Nombre de archivo:	GOB A 45.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:01:57 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 45
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1468 km	Average loss:	0,193 dB/km	Injection level:	20,0 dB
Span loss:	2,925 dB	Average splice loss:	---		
Span ORL:	<15,04 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,312
A	7,9982	18,533
B	11,9974	17,762
b	15,9966	5,308

A-B LSA attenuation:	0,188 dB/km	A-B average loss:	0,193 dB/km
A-B LSA loss:	0,751 dB	4-point Event Loss:	-3,107 dB
A-B ORL:	36,73 dB	Maximum reflectance:	-70,0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,5		0,000
Section		15,1468	2,925		0,193	2,925
Reflective	2	15,1468	---	>-13,9		2,925

Macrobend

EXFO

Firma: tecnoSistemas

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

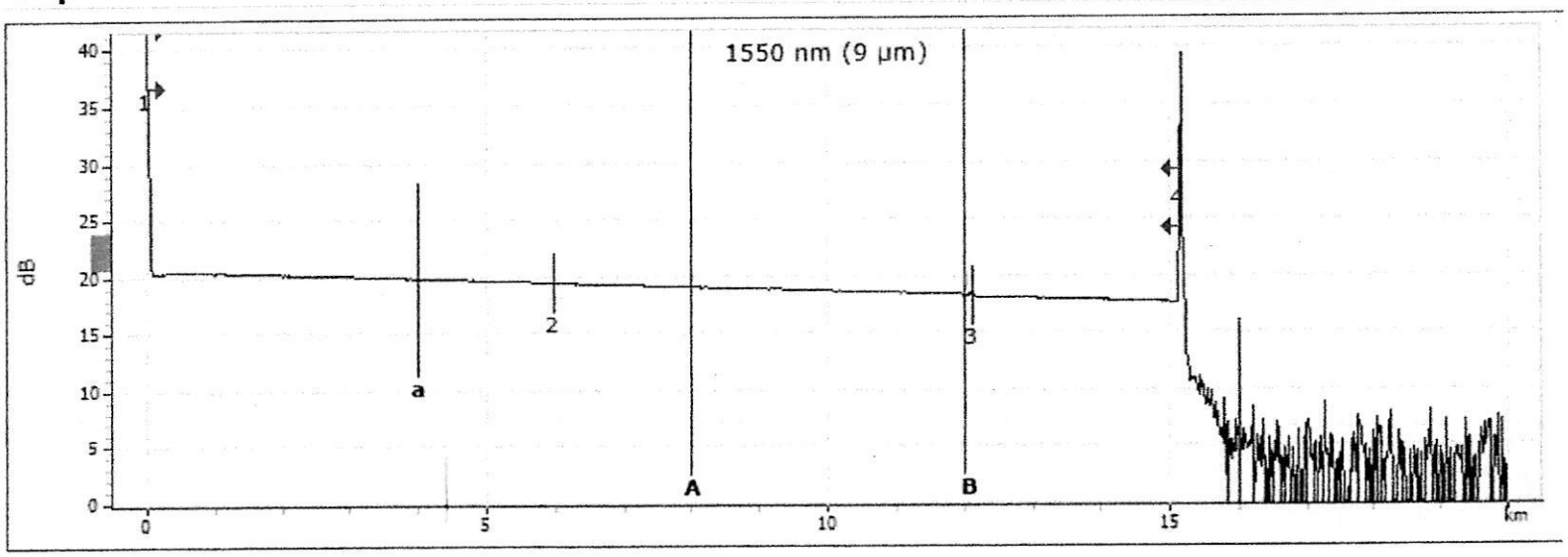
Información general

Nombre de archivo:	GOB A 46.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:02:33 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 46
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1484 km	Average loss:	0,189 dB/km	Injection level:	20,5 dB
Span loss:	2,863 dB	Average splice loss:	0,105 dB		
Span ORL:	<15,60 dB	Maximum splice loss:	0,153 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,857
A	7,9982	19,021
B	11,9974	18,382
b	15,9966	7,634

A-B LSA attenuation:	0,178 dB/km	A-B average loss:	0,160 dB/km
A-B LSA loss:	0,711 dB	4-point Event Loss:	-3,075 dB
A-B ORL:	36,55 dB	Maximum reflectance:	-70,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,5		0,00
Section		5,9711	1,019		0,171	1,01
Non-Reflective	2	5,9711	0,057			1,07
Section		6,1466	1,091		0,177	2,16
Non-Reflective	3	12,1177	0,153			2,32
Section		3,0307	0,543		0,179	2,86
Reflective	4	15,1484	---	>-13,9		2,86

Macrobend

EXFO

Firma: Jefe técnico de sistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

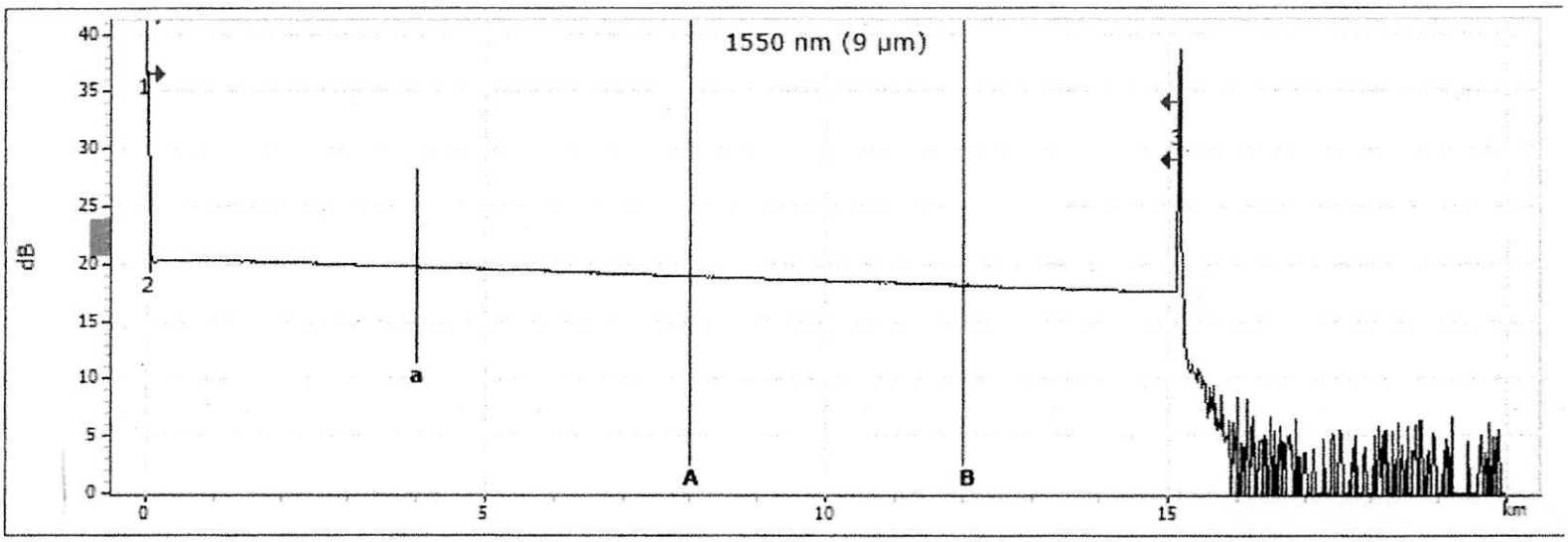
Información general

Nombre de archivo:	GOB A 47.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:03:05 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 47
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1442 km	Average loss:	0,505 dB/km	Injection level:	25,1 dB
Span loss:	7,651 dB	Average splice loss:	4,651 dB		
Span ORL:	<24,92 dB	Maximum splice loss:	4,651 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,732
A	7,9982	18,936
B	11,9974	18,185
b	15,9966	0,000

A-B LSA attenuation:	0,190 dB/km	A-B average loss:	0,188 dB/km
A-B LSA loss:	0,762 dB	4-point Event Loss:	-3,143 dB
A-B ORL:	36,67 dB	Maximum reflectance:	-71,1 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,1		0,000
Section		0,0440	0,066		1,500	0,066
Non-Reflective	2	0,0440	4,651			4,717
Section		15,1002	2,934		0,194	7,651
Reflective	3	15,1442	---	>-13,9		7,651

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

A25

Informe OTDR (1550 nm (9 µm))

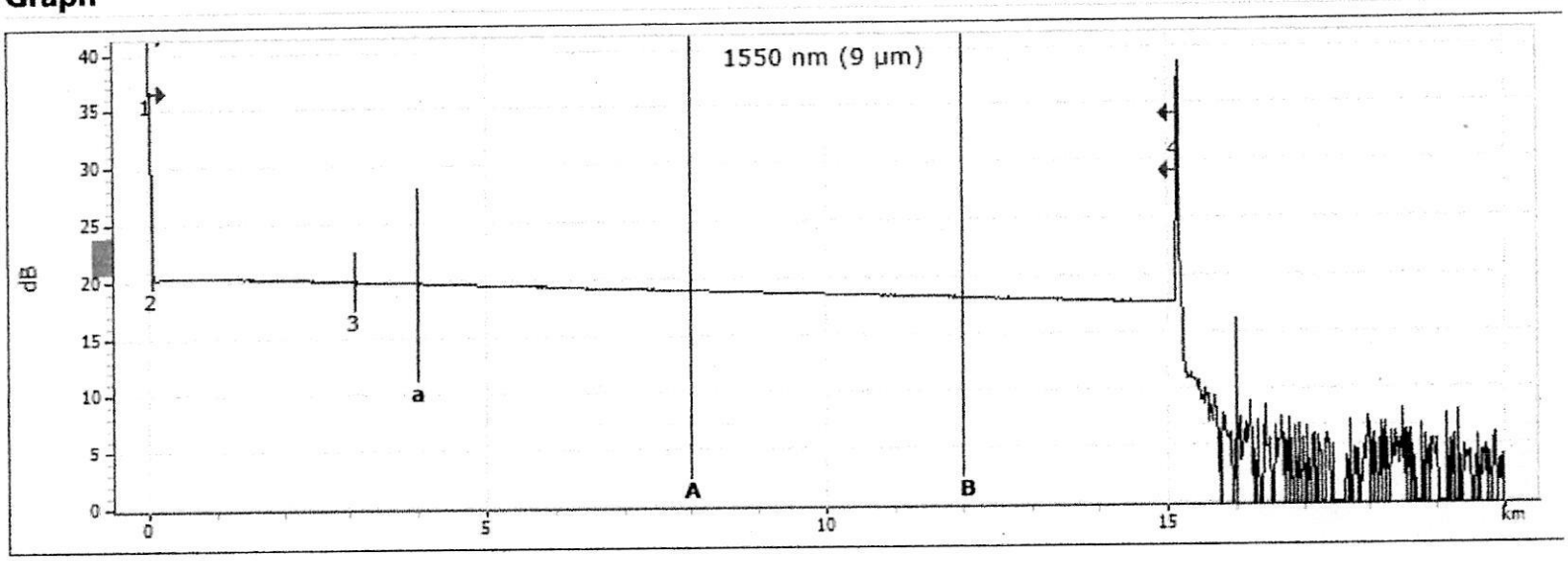
Información general

Nombre de archivo:	GOB A 48.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:04:13 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB A 48
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1442 km	Average loss:	0,509 dB/km	Injection level:	25,2 dB
Span loss:	7,707 dB	Average splice loss:	2,436 dB		
Span ORL:	<25,08 dB	Maximum splice loss:	4,788 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,701
A	7,9982	18,905
B	11,9974	18,183
b	15,9966	7,795

A-B LSA attenuation:	0,190 dB/km	A-B average loss:	0,181 dB/km
A-B LSA loss:	0,761 dB	4-point Event Loss:	-3,124 dB
A-B ORL:	36,64 dB	Maximum reflectance:	-71,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,3		0,000
Section		0,0440	0,066		1,500	0,066
Non-Reflective	2	0,0440	4,788			4,854
Section		3,0304	0,413		0,136	5,267
Non-Reflective	3	3,0744	0,085			5,352
Section		12,0698	2,355		0,195	7,707
Reflective	4	15,1442	---	>-13,9		7,707

Macrobend

EXFO

Firma: Hitech tecno sistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3261

Informe OTDR (1550 nm (9 µm))

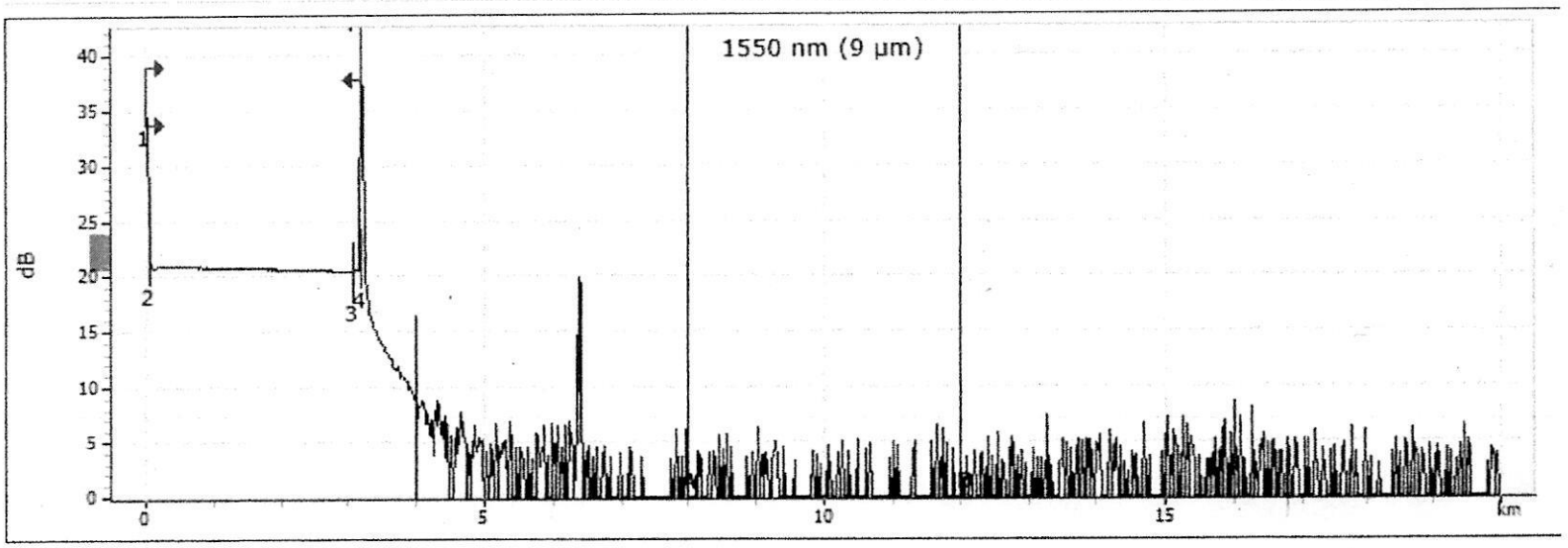
Información general

Nombre de archivo:	GOB B 01.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:36:21 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 01
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1892 km	Average loss:	1,582 dB/km	Injection level:	25,5 dB
Span loss:	5,046 dB	Average splice loss:	2,232 dB		
Span ORL:	<26,59 dB	Maximum splice loss:	4,561 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	7,819
A	7,9982	8,724
B	11,9974	0,000
b	15,9966	0,000

A-B LSA attenuation:	0,067 dB/km	A-B average loss:	2,181 dB/km
A-B LSA loss:	0,268 dB	4-point Event Loss:	0,408 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-55,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-33,7		0,000
Section		0,0482	0,072		1,500	0,072
Non-Reflective	2	0,0482	4,561			4,634
Section		3,0176	0,486		0,161	5,119
Positive	3	3,0658	-0,098			5,021
Section		0,1235	0,025		0,201	5,046
Reflective	4	3,1892	---	> -17,7		5,046
Section		3,1905	4,786		1,500	---
Echo		6,3798	---	-32,7		---

Macrobend

EXFO

Firma: Hernán Ostanes. Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

Informe OTDR (1550 nm (9 µm))

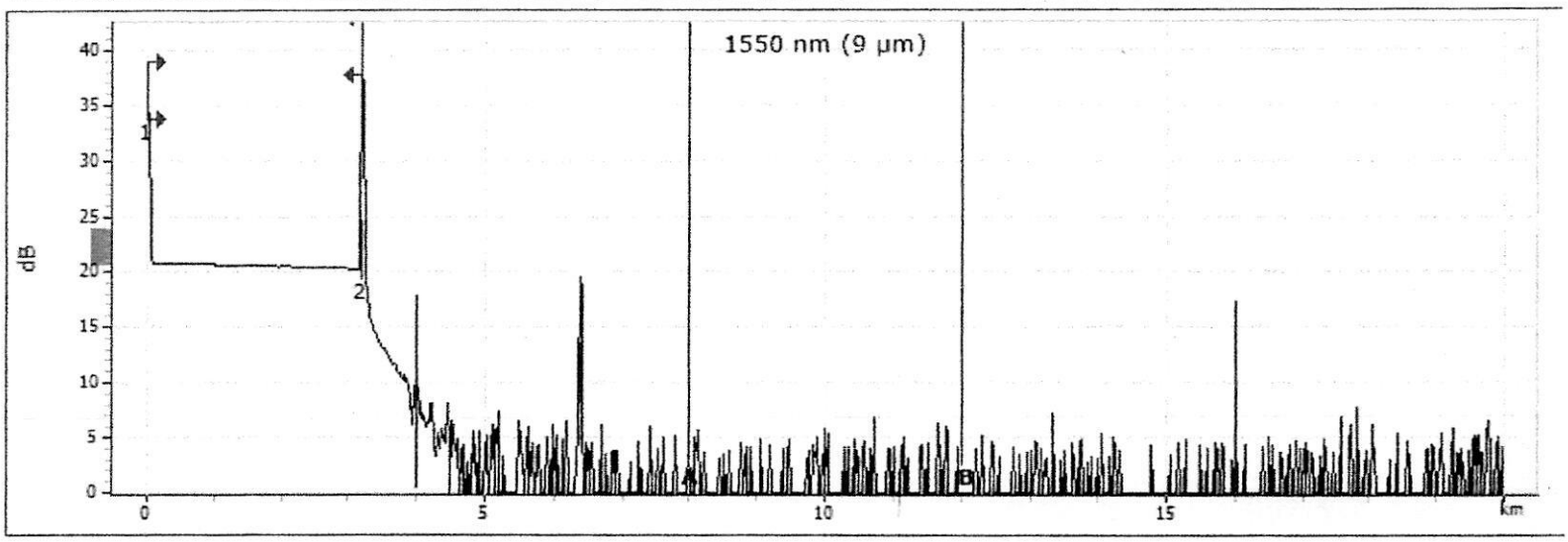
Información general

Nombre de archivo:	GOB B 02.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:36:49 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 02
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1889 km	Average loss:	0,183 dB/km	Injection level:	20,9 dB
Span loss:	0,584 dB	Average splice loss:	---		
Span ORL:	<17,31 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	9,243
A	7,9982	0,000
B	11,9974	9,202
b	15,9966	8,730

A-B LSA attenuation:	-0,008 dB/km	A-B average loss:	-2,301 dB/km
A-B LSA loss:	0,000 dB	4-point Event Loss:	-0,385 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-55,1 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-29,2		0,000
Section		3,1889	0,584		0,183	0,584
Reflective	2	3,1889	---	-17,2		0,584
Section		3,1902	4,785		1,500	---
Echo		6,3791	---	-33,5		---

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3265

Informe OTDR (1550 nm (9 µm))

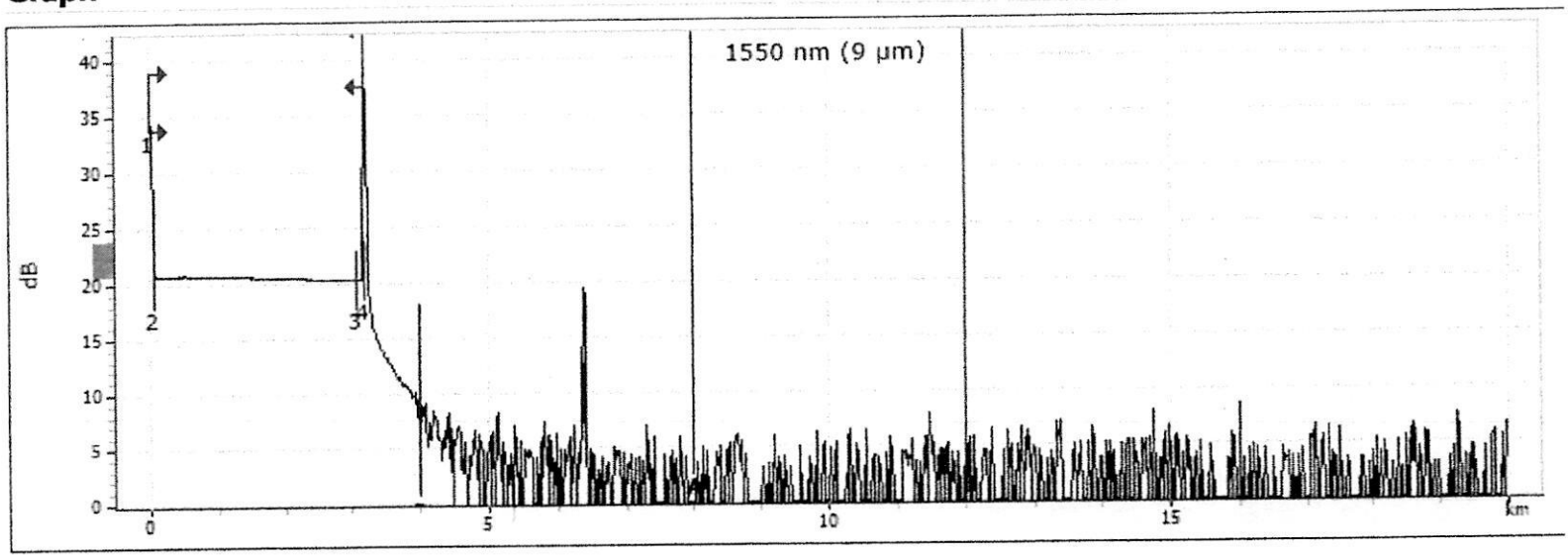
Información general

Nombre de archivo:	GOB B 03.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:37:58 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 03
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1896 km	Average loss:	1,482 dB/km	Injection level:	25,0 dB
Span loss:	4,727 dB	Average splice loss:	2,055 dB		
Span ORL:	<25,61 dB	Maximum splice loss:	4,203 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	9,508
A	7,9982	0,000
B	11,9974	7,982
b	15,9966	0,000

A-B LSA attenuation:	-0,077 dB/km	A-B average loss:	-1,996 dB/km
A-B LSA loss:	0,000 dB	4-point Event Loss:	-0,491 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-53,5 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-32,7		0,00
Section		0,0501	0,075		1,500	0,07
Non-Reflective	2	0,0501	4,203			4,27
Section		3,0227	0,499		0,165	4,77
Positive	3	3,0728	-0,092			4,68
Section		0,1168	0,042		0,360	4,72
Reflective	4	3,1896	---	>-17,3		4,72
Section		3,1905	4,786		1,500	--
Echo		6,3801	---	-33,0		--

Macrobend

EXFO

Firma: [signature]

Fecha: 12/04/2021

432

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3267

Informe OTDR (1550 nm (9 µm))

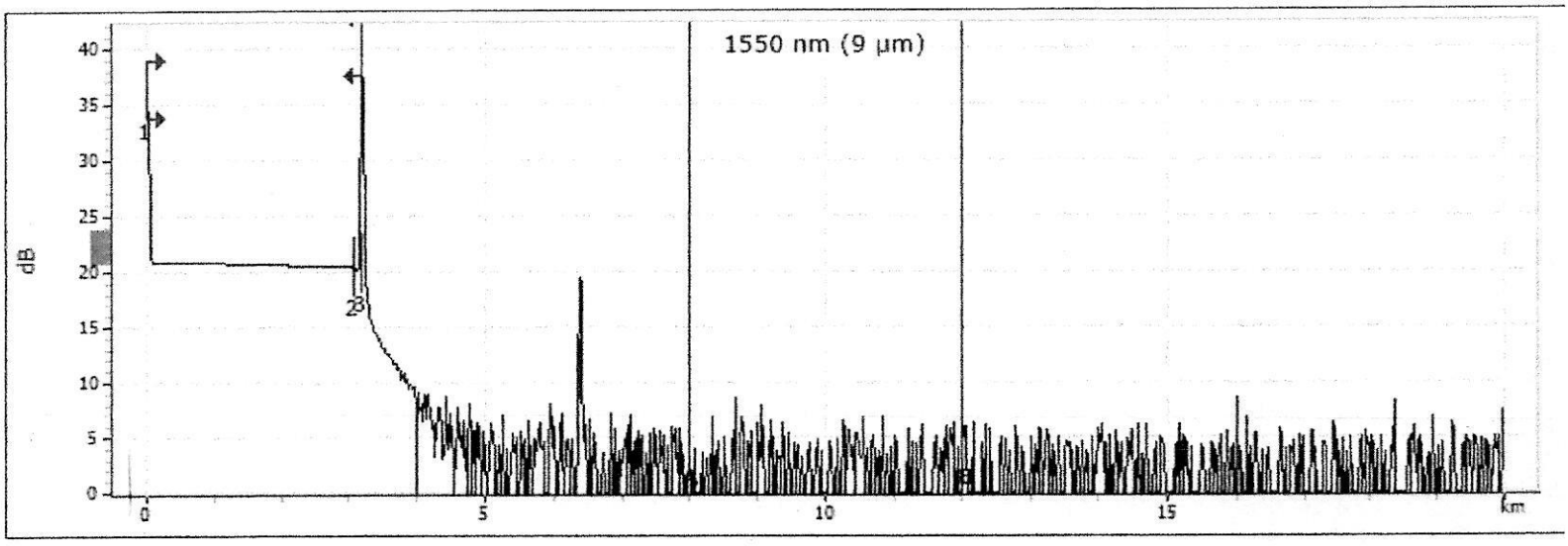
Información general

Nombre de archivo:	GOB B 04.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:38:29 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 04
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1899 km	Average loss:	0,240 dB/km	Injection level:	21,0 dB
Span loss:	0,765 dB	Average splice loss:	0,153 dB		
Span ORL:	<17,53 dB	Maximum splice loss:	0,153 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	0,000
A	7,9982	7,693
B	11,9974	0,000
b	15,9966	0,000

A-B LSA attenuation:	0,004 dB/km	A-B average loss:	1,924 dB/km
A-B LSA loss:	0,015 dB	4-point Event Loss:	-0,622 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-51,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-29,3		0,000
Section		3,0699	0,590		0,192	0,590
Non-Reflective	2	3,0699	0,153			0,744
Section		0,1200	0,021		0,178	0,765
Reflective	3	3,1899	---	>-17,0		0,765
Section		3,1810	4,771		1,500	---
Echo		6,3708	---	-32,4		---

Macrobend

EXFO

Firma: tecnodytens Fecha: 12/04/2021

A34

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3269

Informe OTDR (1550 nm (9 µm))

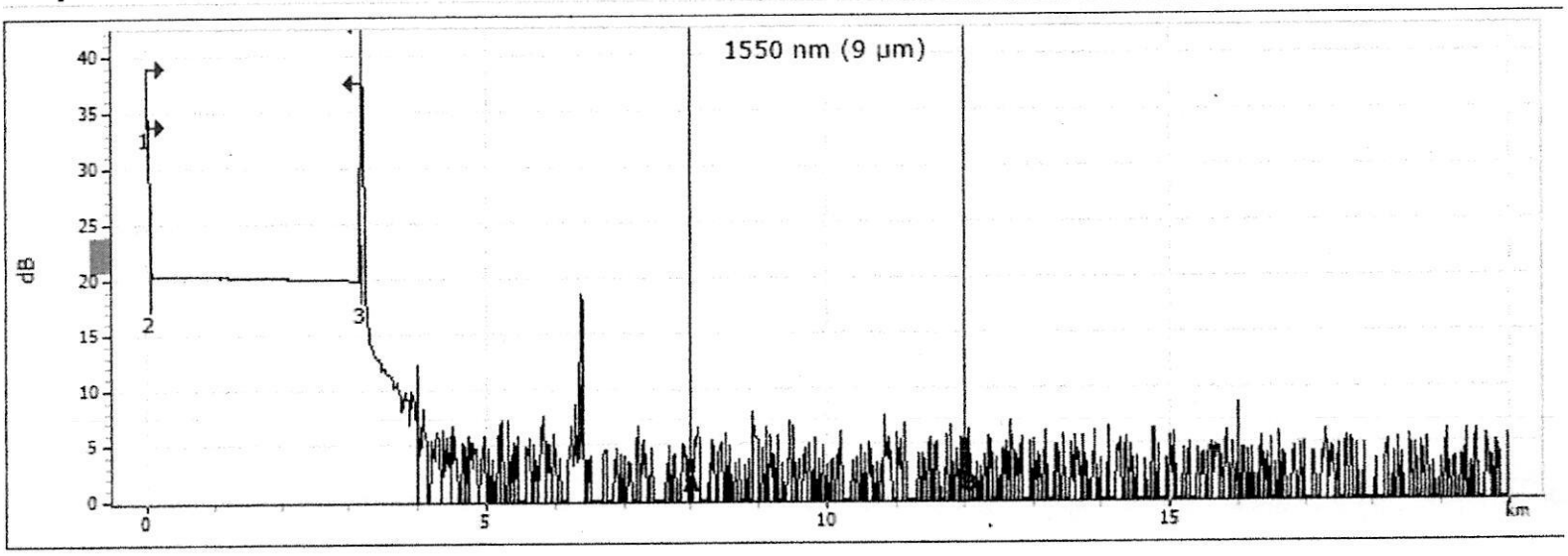
Información general

Nombre de archivo:	GOB B 05.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:39:34 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 05
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1899 km	Average loss:	1,637 dB/km	Injection level:	25,0 dB
Span loss:	5,221 dB	Average splice loss:	4,598 dB		
Span ORL:	<25,66 dB	Maximum splice loss:	4,598 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	3,630
A	7,9982	0,000
B	11,9974	9,743
b	15,9966	0,000

A-B LSA attenuation:	-0,011 dB/km	A-B average loss:	-2,436 dB/km
A-B LSA loss:	0,000 dB	4-point Event Loss:	-1,264 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-52,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-32,8		0,000
Section		0,0520	0,078		1,500	0,078
Non-Reflective	2	0,0520	4,598			4,676
Section		3,1379	0,545		0,174	5,221
Reflective	3	3,1899	---	>-16,4		5,221
Section		3,1854	4,778		1,500	--
Echo		6,3753	---	-34,7		--

Macrobend

EXFO

Firma: Enrico Soto

Fecha: 12/04/2021

436

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3271

Informe OTDR (1550 nm (9 µm))

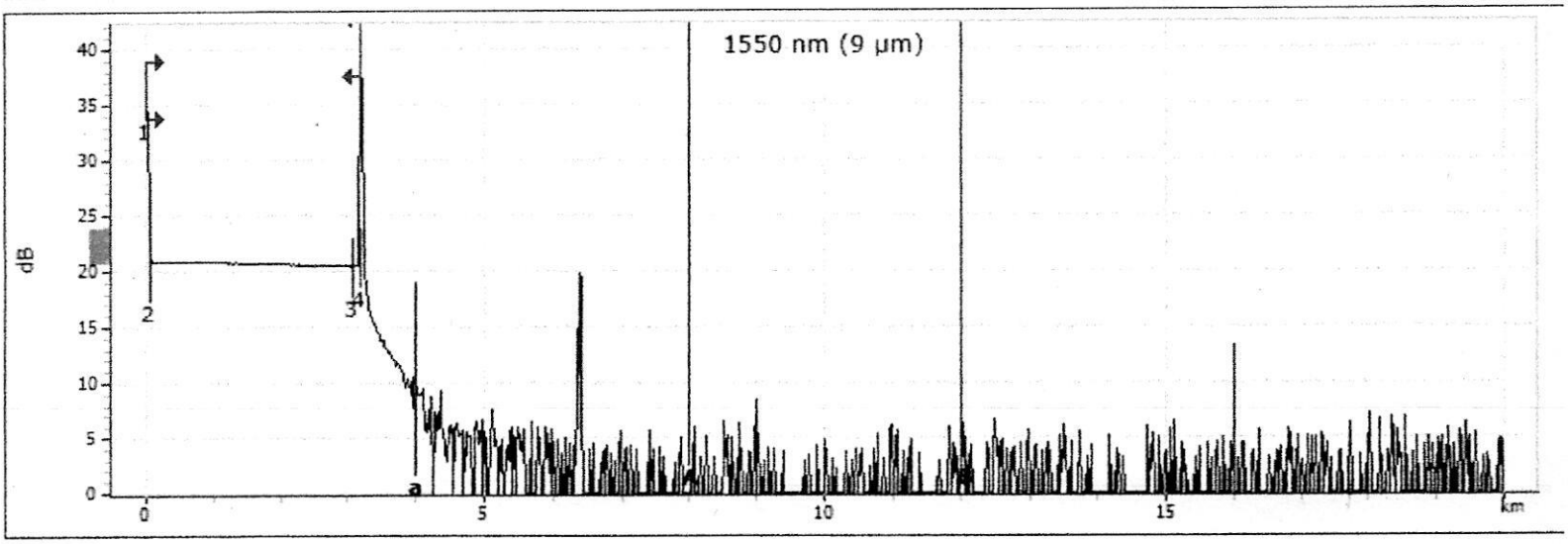
Información general

Nombre de archivo:	GOB B 06.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:40:06 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 06
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1899 km	Average loss:	1,525 dB/km	Injection level:	25,3 dB
Span loss:	4,866 dB	Average splice loss:	2,122 dB		
Span ORL:	<26,16 dB	Maximum splice loss:	4,350 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	10,372
A	7,9982	0,000
B	11,9974	2,484
b	15,9966	4,629

A-B LSA attenuation:	0,064 dB/km	A-B average loss:	-0,621 dB/km
A-B LSA loss:	0,256 dB	4-point Event Loss:	0,054 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-54,0 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-33,3		0,000
Section		0,0530	0,079		1,500	0,079
Non-Reflective	2	0,0530	4,350			4,429
Section		3,0160	0,496		0,164	4,925
Positive	3	3,0690	-0,106			4,820
Section		0,1209	0,046		0,381	4,866
Reflective	4	3,1899	---	> -17,6		4,866
Section		3,1905	4,786		1,500	---
Echo		6,3804	---	-31,8		---

Macrobend

438

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

3273

Informe OTDR (1550 nm (9 µm))

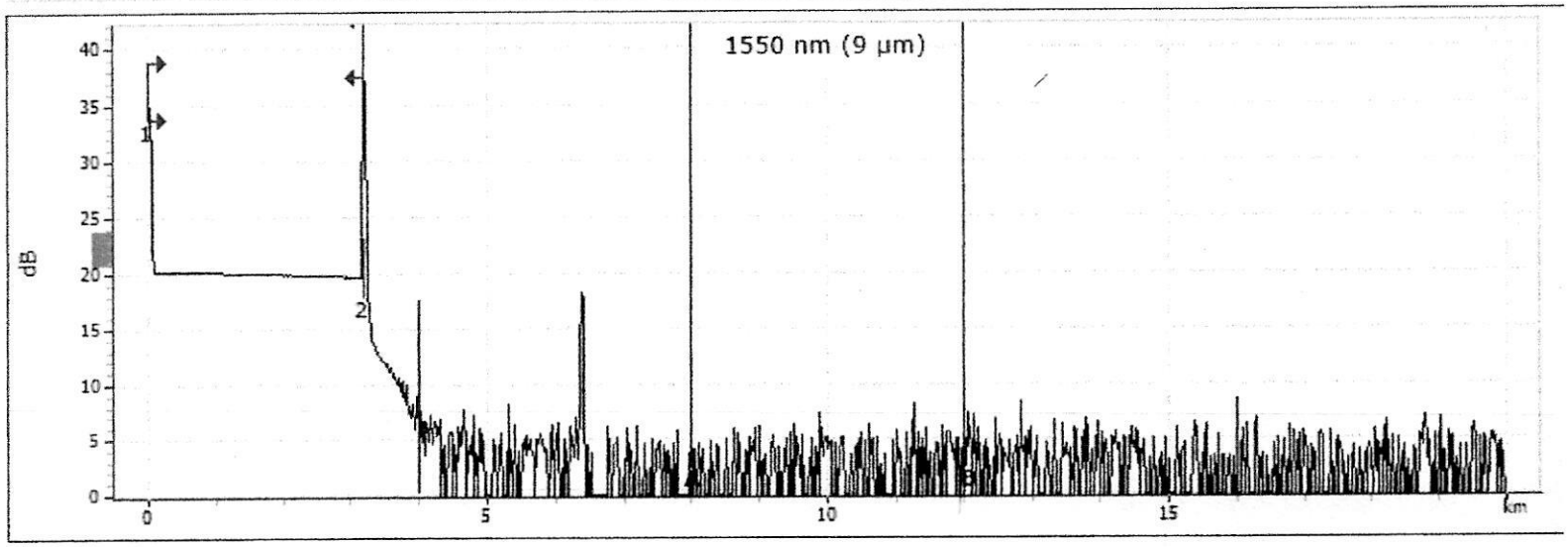
Información general

Nombre de archivo:	GOB B 07.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:40:37 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 07
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1899 km	Average loss:	0,175 dB/km	Injection level:	20,2 dB
Span loss:	0,557 dB	Average splice loss:	---		
Span ORL:	<16,08 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	8,996
A	7,9982	5,569
B	11,9974	6,938
b	15,9966	0,000

A-B LSA attenuation:	-0,199 dB/km	A-B average loss:	-0,342 dB/km
A-B LSA loss:	0,000 dB	4-point Event Loss:	-2,835 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-52,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-29,3		0,000
Section		3,1899	0,557		0,175	0,557
Reflective	2	3,1899	---	>-16,0		0,557
Section		3,1605	4,741		1,500	--
Reflective		6,3504	---	-35,4		--

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

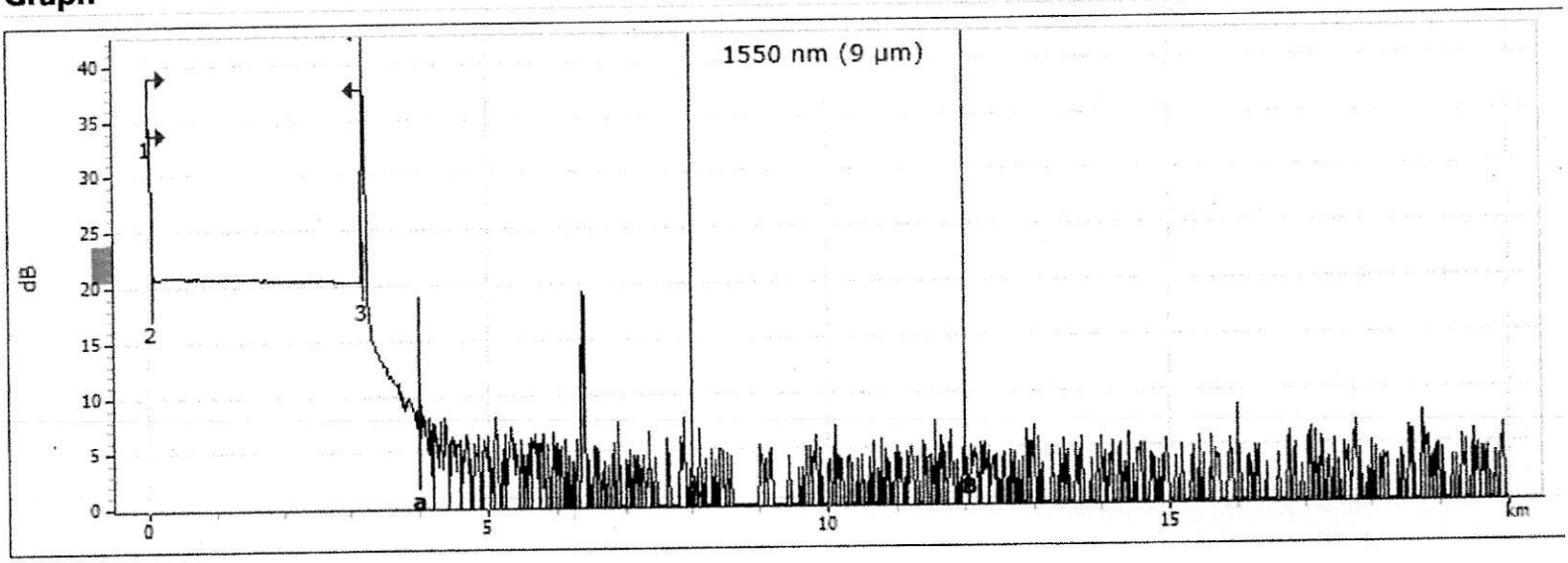
Información general

Nombre de archivo:	GOB B 08.SOR		
Fecha de la prueba:	10/04/2021	Cliente:	
Hora de la prueba:	3:41:03 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 08
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	3,1892 km	Average loss:	1,464 dB/km	Injection level:	25,0 dB
Span loss:	4,668 dB	Average splice loss:	4,076 dB		
Span ORL:	<25,62 dB	Maximum splice loss:	4,076 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	10,427
A	7,9982	0,000
B	11,9974	7,437
b	15,9966	0,000

A-B LSA attenuation:	-0,214 dB/km	A-B average loss:	-1,859 dB/km
A-B LSA loss:	0,000 dB	4-point Event Loss:	-0,881 dB
A-B ORL:	0,00 dB	Maximum reflectance:	-52,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	-32,8		0,000
Section		0,0523	0,078		1,500	0,07
Non-Reflective	2	0,0523	4,076			4,15
Section		3,1369	0,513		0,164	4,66
Reflective	3	3,1892	---	>-17,4		4,66
Section		3,1905	4,786		1,500	--
Echo		6,3798	---	-32,6		--

Macrobend

EXFO

Firma: tenco Systems

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3277

Informe OTDR (1550 nm (9 µm))

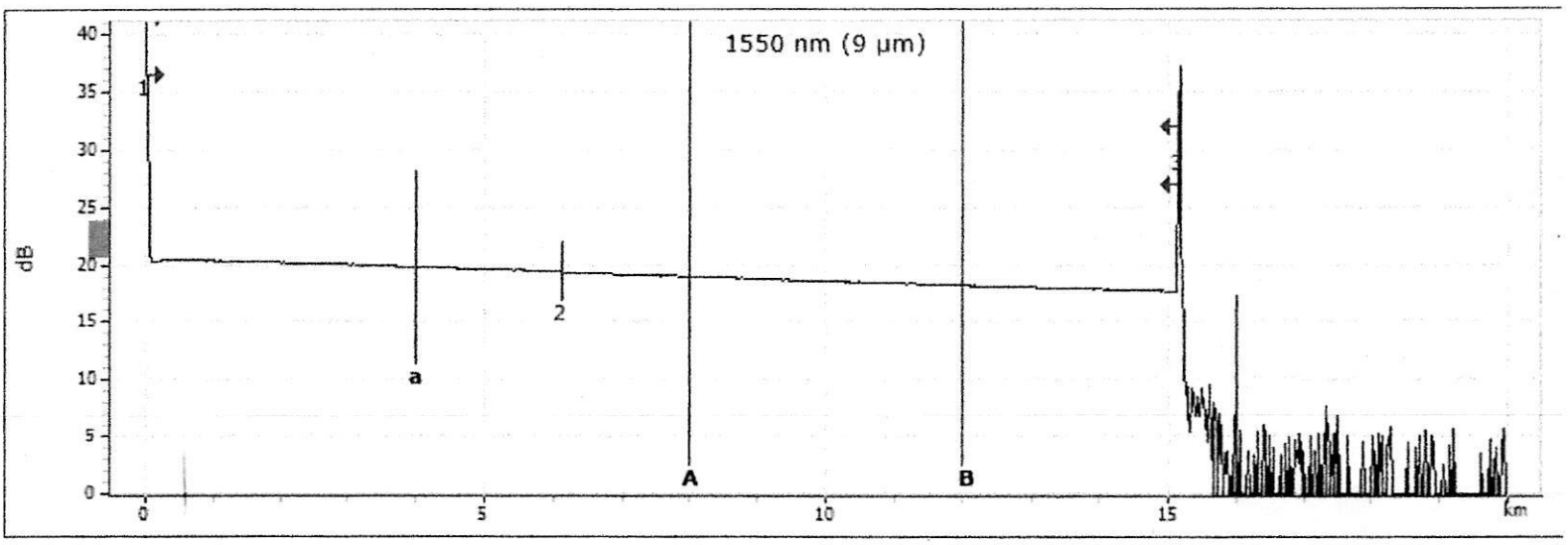
Información general

Nombre de archivo:	GOB B 09.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:10:10 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 09
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1452 km	Average loss:	0,189 dB/km	Injection level:	20,5 dB
Span loss:	2,863 dB	Average splice loss:	0,076 dB		
Span ORL:	<16,84 dB	Maximum splice loss:	0,076 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,786
A	7,9982	18,929
B	11,9974	18,181
b	15,9966	8,925

A-B LSA attenuation:	0,193 dB/km	A-B average loss:	0,187 dB/km
A-B LSA loss:	0,770 dB	4-point Event Loss:	-3,726 dB
A-B ORL:	36,60 dB	Maximum reflectance:	-71,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	<-23,6		0,000
Section		6,1335	1,089		0,178	1,089
Non-Reflective	2	6,1335	0,076			1,165
Section		9,0117	1,698		0,188	2,863
Reflective	3	15,1452	---	-17,6		2,863

Macrobend

EXFO

Firma: técnico soporte

Fecha: 12/04/2021

444

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3279

Informe OTDR (1550 nm (9 µm))

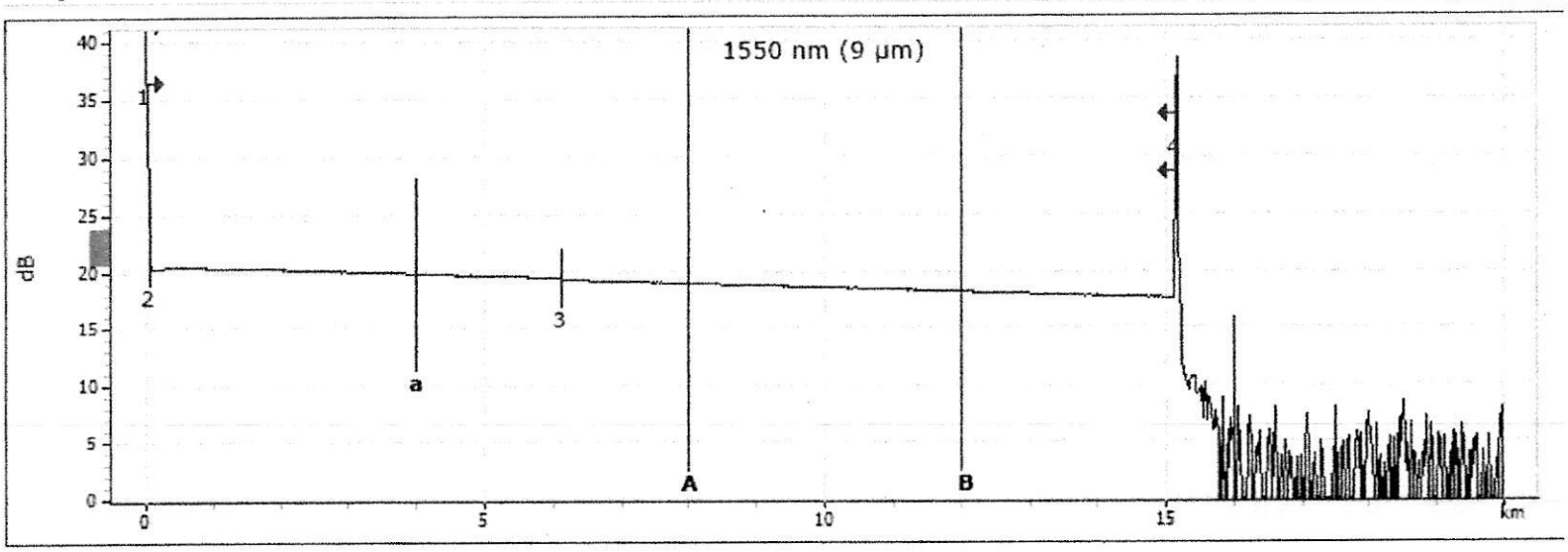
Información general

Nombre de archivo:	GOB B 10.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:11:06 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 10
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1445 km	Average loss:	0,485 dB/km	Injection level:	24,9 dB
Span loss:	7,343 dB	Average splice loss:	2,293 dB		
Span ORL:	<24,86 dB	Maximum splice loss:	4,431 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,807
A	7,9982	18,920
B	11,9974	18,250
b	15,9966	7,593

A-B LSA attenuation:	0,174 dB/km	A-B average loss:	0,168 dB/km
A-B LSA loss:	0,696 dB	4-point Event Loss:	-3,437 dB
A-B ORL:	36,64 dB	Maximum reflectance:	-68,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,9		0,000
Section		0,0443	0,067		1,500	0,067
Non-Reflective	2	0,0443	4,431			4,497
Section		6,0933	1,049		0,172	5,546
Non-Reflective	3	6,1376	0,155			5,701
Section		9,0069	1,641		0,182	7,343
Reflective	4	15,1445	---	> -14,6		7,343

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

3291

Informe OTDR (1550 nm (9 µm))

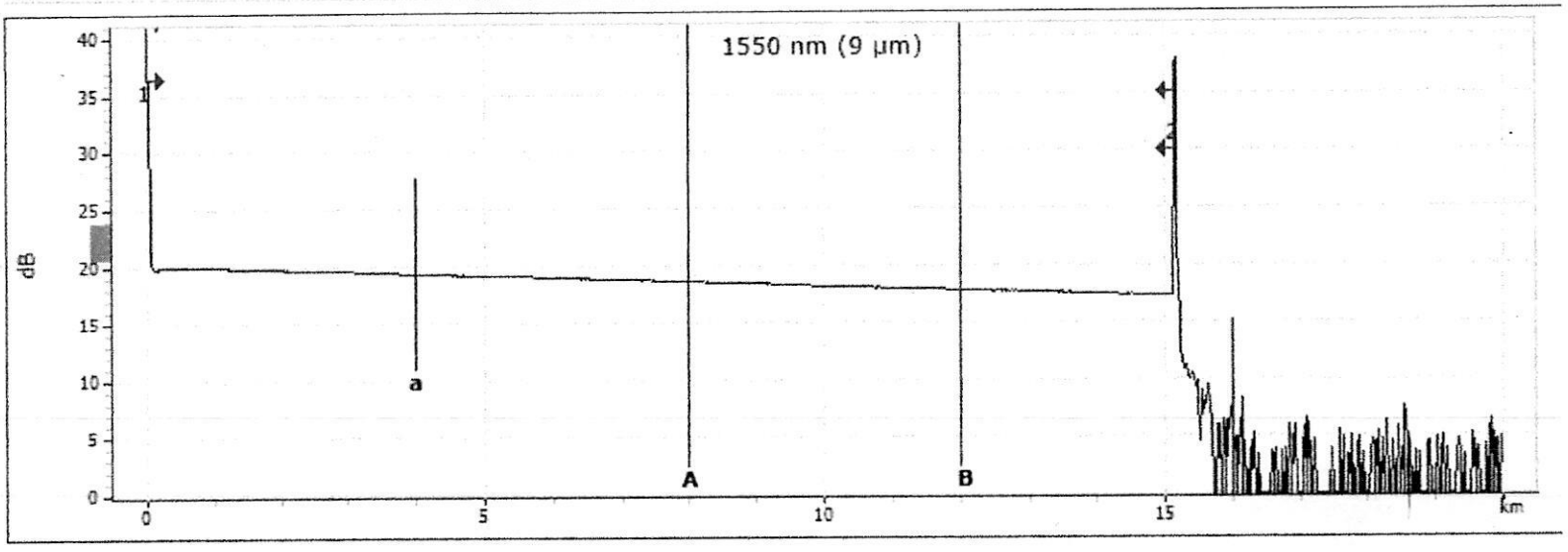
Información general

Nombre de archivo:	GOB B 11.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:12:03 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 11
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1433 km	Average loss:	0,189 dB/km	Injection level:	20,2 dB
Span loss:	2,861 dB	Average splice loss:	---		
Span ORL:	<15,42 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,449
A	7,9982	18,703
B	11,9974	17,940
b	15,9966	6,784

A-B LSA attenuation:	0,196 dB/km	A-B average loss:	0,191 dB/km
A-B LSA loss:	0,784 dB	4-point Event Loss:	-3,187 dB
A-B ORL:	36,74 dB	Maximum reflectance:	-71,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,9		0,000
Section		15,1433	2,861		0,189	2,861
Reflective	2	15,1433	---	>-14,0		2,861

Macrobend

EXFO

Firma: Fecha: 12/04/2021

448

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

449

3283

Informe OTDR (1550 nm (9 µm))

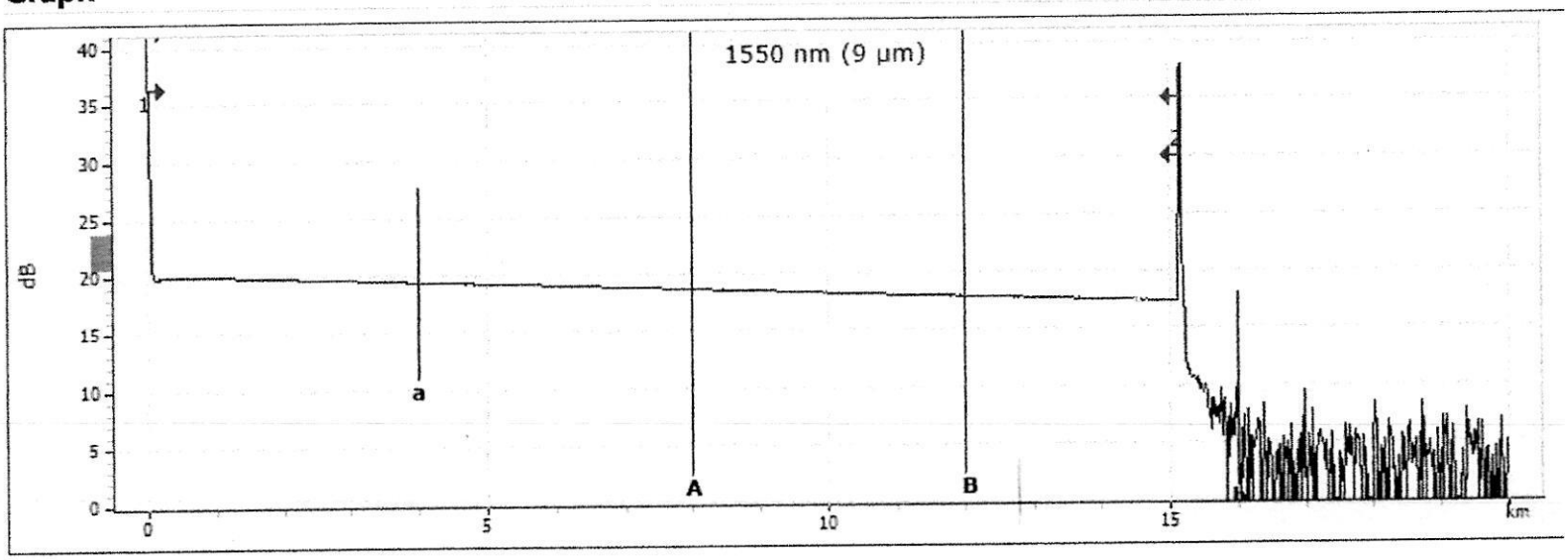
Información general

Nombre de archivo:	GOB B 12.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:12:34 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 12
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1433 km	Average loss:	0,188 dB/km	Injection level:	20,2 dB
Span loss:	2,849 dB	Average splice loss:	---		
Span ORL:	<15,45 dB	Maximum splice loss:	---		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,412
A	7,9982	18,713
B	11,9974	17,958
b	15,9966	9,736

A-B LSA attenuation:	0,197 dB/km	A-B average loss:	0,189 dB/km
A-B LSA loss:	0,786 dB	4-point Event Loss:	-2,935 dB
A-B ORL:	36,73 dB	Maximum reflectance:	-72,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-23,9		0,00
Section		15,1433	2,849		0,188	2,84
Reflective	2	15,1433	---	>-14,0		2,84

Macrobend

A50

EXFO

Firma: Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

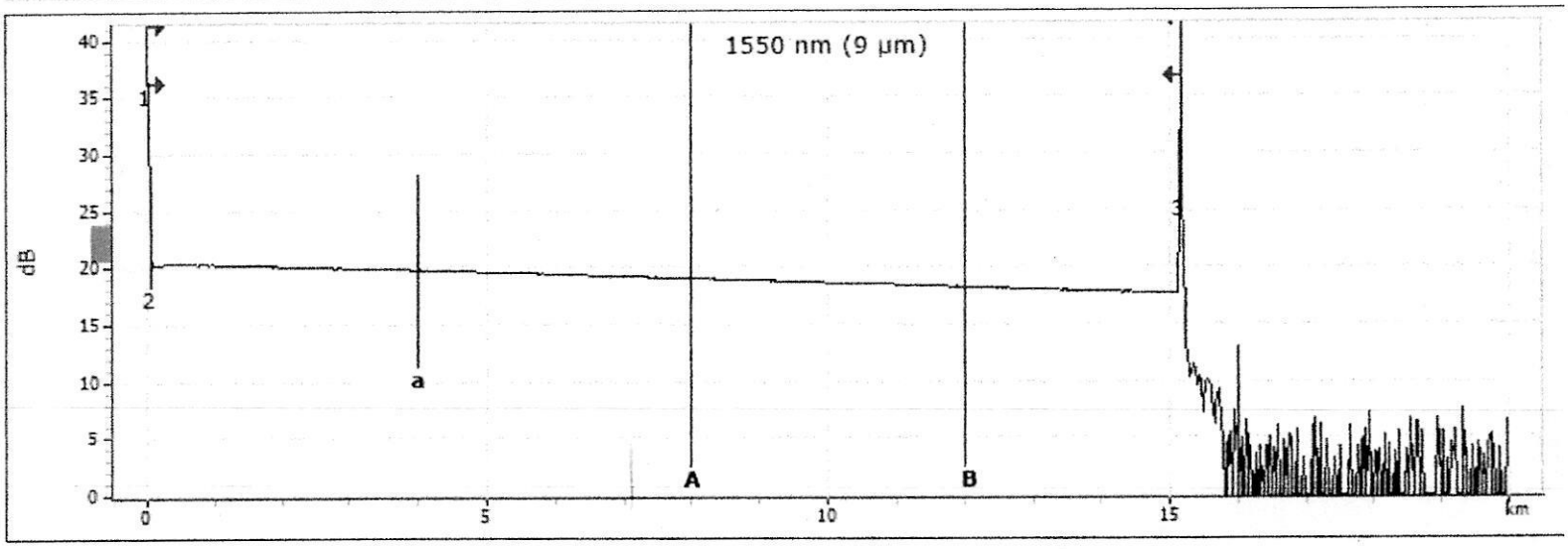
Información general

Nombre de archivo:	GOB B 13.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:13:04 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 13
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1503 km	Average loss:	0,470 dB/km	Injection level:	24,7 dB
Span loss:	7,126 dB	Average splice loss:	4,231 dB		
Span ORL:	<24,34 dB	Maximum splice loss:	4,231 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,794
A	7,9982	19,025
B	11,9974	18,254
b	15,9966	4,635

A-B LSA attenuation:	0,194 dB/km	A-B average loss:	0,193 dB/km
A-B LSA loss:	0,775 dB	4-point Event Loss:	-3,202 dB
A-B ORL:	36,68 dB	Maximum reflectance:	-71,4 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,8		0,000
Section		0,0450	0,067		1,500	0,067
Non-Reflective	2	0,0450	4,231			4,298
Section		15,1053	2,828		0,187	7,126
Reflective	3	15,1503	---	>-14,1		7,126

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3209

Informe OTDR (1550 nm (9 µm))

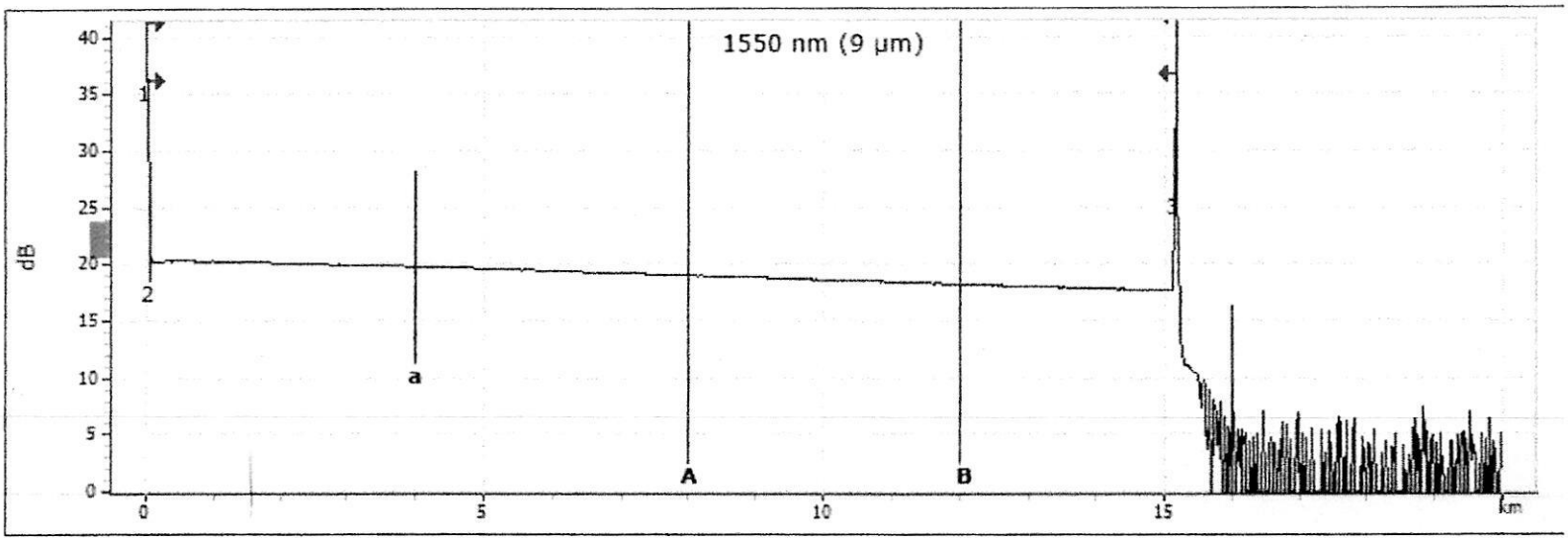
Información general

Nombre de archivo:	GOB B 14.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:13:35 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 14
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1503 km	Average loss:	0,473 dB/km	Injection level:	24,7 dB
Span loss:	7,166 dB	Average splice loss:	4,278 dB		
Span ORL:	<24,45 dB	Maximum splice loss:	4,278 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,800
A	7,9982	19,008
B	11,9974	18,280
b	15,9966	7,970

A-B LSA attenuation:	0,194 dB/km	A-B average loss:	0,182 dB/km
A-B LSA loss:	0,776 dB	4-point Event Loss:	-3,256 dB
A-B ORL:	36,69 dB	Maximum reflectance:	-72,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,9		0,000
Section		0,0447	0,067		1,500	0,067
Non-Reflective	2	0,0447	4,278			4,345
Section		15,1056	2,821		0,187	7,166
Reflective	3	15,1503	---	>-14,1		7,166

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

3209

Informe OTDR (1550 nm (9 µm))

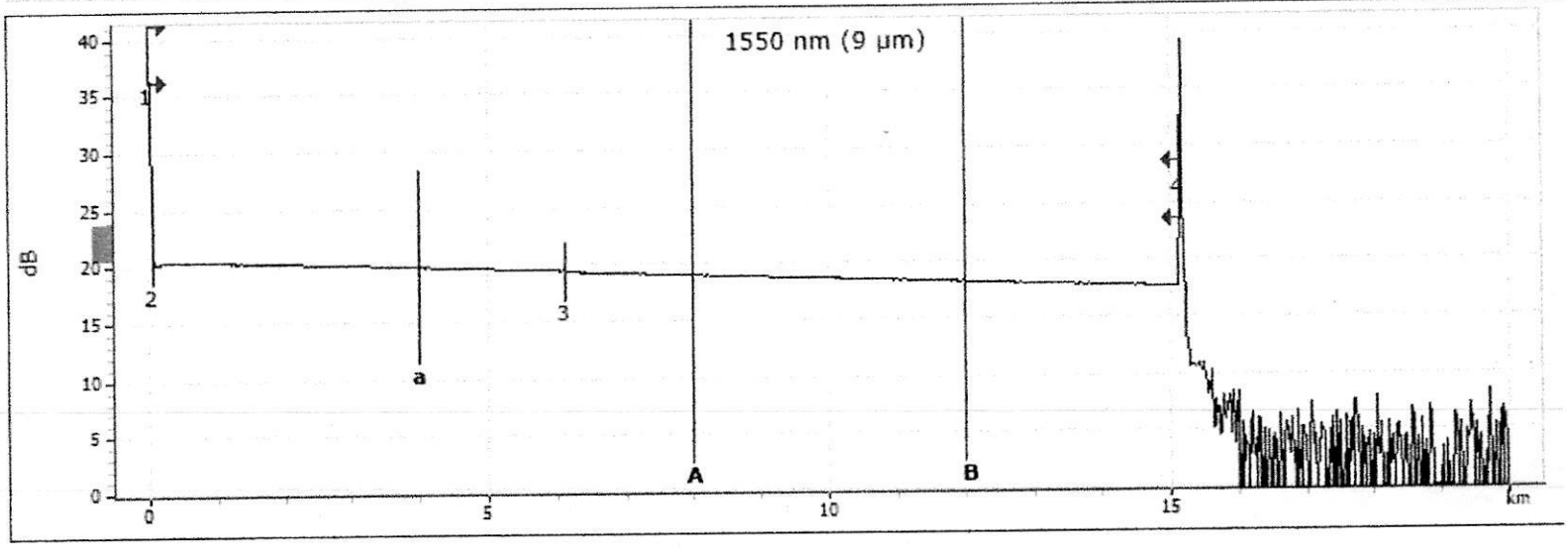
Información general

Nombre de archivo:	GOB B 15.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:14:04 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 15
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1493 km	Average loss:	0,466 dB/km	Injection level:	24,7 dB
Span loss:	7,066 dB	Average splice loss:	2,159 dB		
Span ORL:	<24,48 dB	Maximum splice loss:	4,202 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,860
A	7,9982	19,015
B	11,9974	18,295
b	15,9966	0,000

A-B LSA attenuation:	0,181 dB/km	A-B average loss:	0,180 dB/km
A-B LSA loss:	0,723 dB	4-point Event Loss:	-3,163 dB
A-B ORL:	36,65 dB	Maximum reflectance:	-69,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,9		0,00
Section		0,0447	0,067		1,500	0,06
Non-Reflective	2	0,0447	4,202			4,26
Section		6,0885	1,016		0,167	5,28
Non-Reflective	3	6,1332	0,117			5,40
Section		9,0162	1,664		0,185	7,06
Reflective	4	15,1493	---	>-14,2		7,06

Macrobend

456

EXFO

Firma: Tecnosistemas

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3297

Informe OTDR (1550 nm (9 µm))

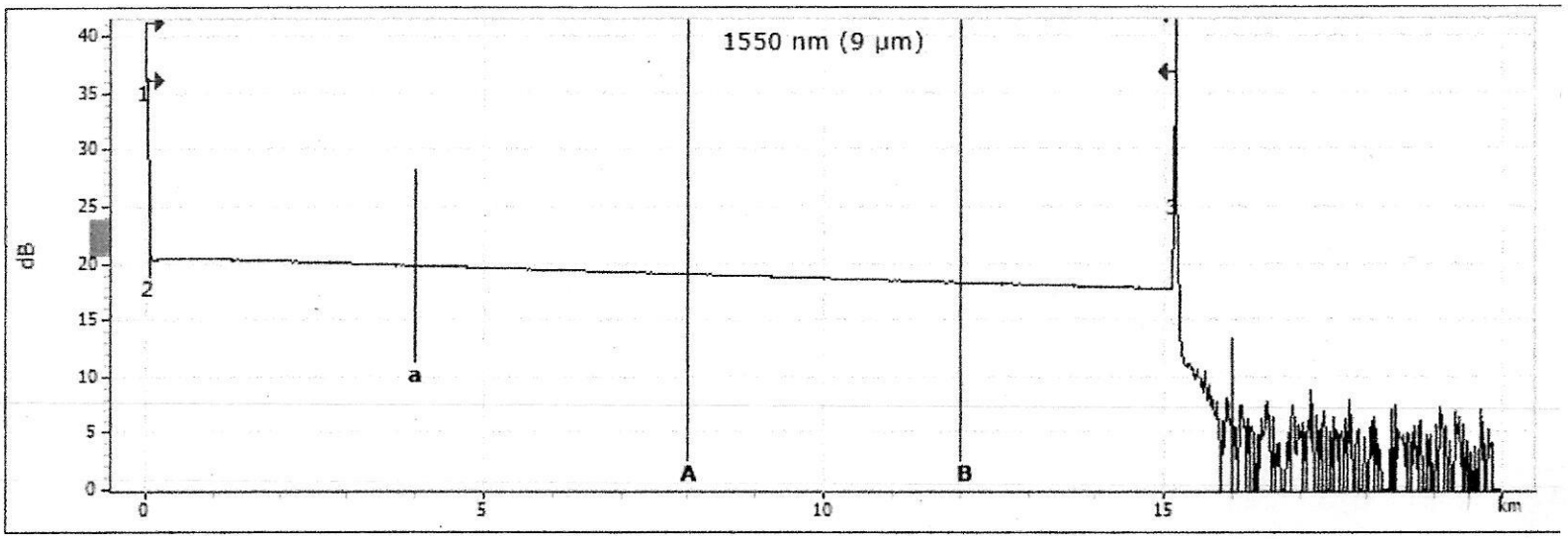
Información general

Nombre de archivo:	GOB B 16.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:14:44 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 16
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1503 km	Average loss:	0,475 dB/km	Injection level:	24,8 dB
Span loss:	7,201 dB	Average splice loss:	4,283 dB		
Span ORL:	<24,73 dB	Maximum splice loss:	4,283 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,784
A	7,9982	19,061
B	11,9974	18,303
b	15,9966	4,869

A-B LSA attenuation:	0,191 dB/km	A-B average loss:	0,189 dB/km
A-B LSA loss:	0,763 dB	4-point Event Loss:	-3,028 dB
A-B ORL:	36,67 dB	Maximum reflectance:	-70,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,3		0,000
Section		0,0443	0,067		1,500	0,067
Non-Reflective	2	0,0443	4,283			4,350
Section		15,1059	2,851		0,189	7,201
Reflective	3	15,1503	---	>-14,1		7,201

Macrobend

EXFO

Firma: Técnico instalador

Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B
IOR	1,468325
Backscatter (dB)	-81,87
Helix factor (%)	0,00
Splice loss detection threshold (dB)	0,020
Reflectance detection threshold (dB)	-72,0
End-of-fiber detection threshold (dB)	5,000

Macrobend Wavelengths	Macrobend Delta Loss (dB)

3293

Informe OTDR (1550 nm (9 µm))

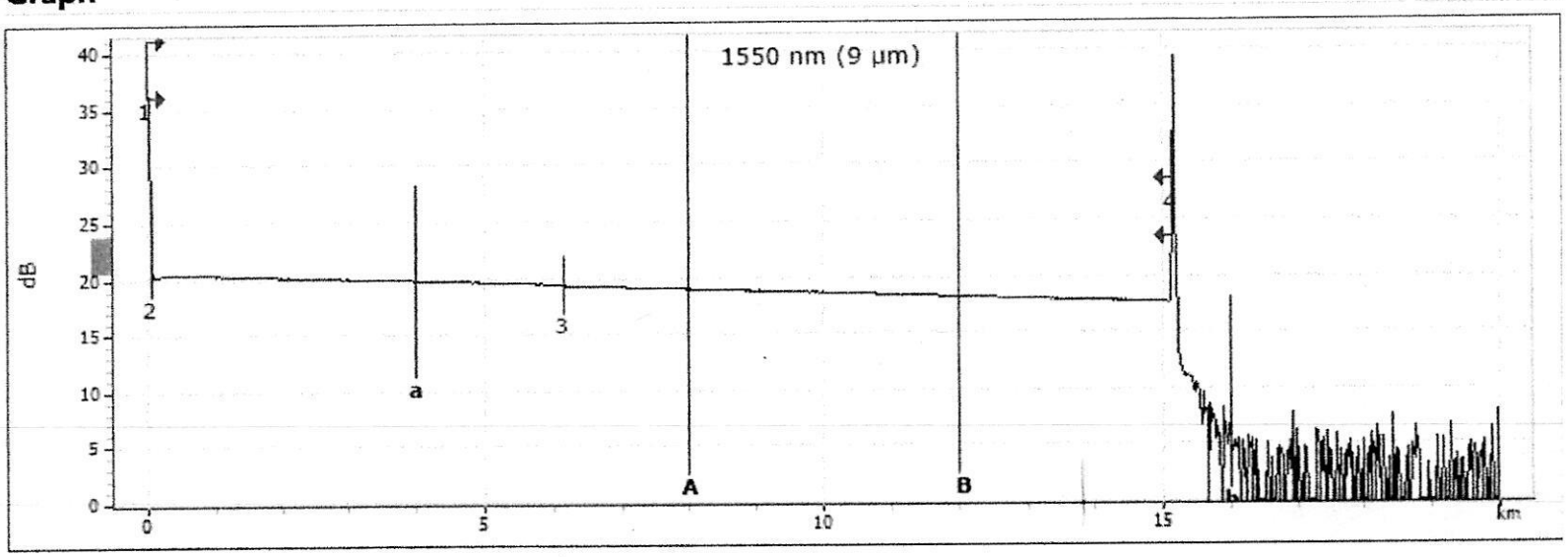
Información general

Nombre de archivo:	GOB B 17.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:15:45 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 17
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1493 km	Average loss:	0,464 dB/km	Injection level:	24,6 dB
Span loss:	7,034 dB	Average splice loss:	2,136 dB		
Span ORL:	<24,40 dB	Maximum splice loss:	4,156 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,814
A	7,9982	18,939
B	11,9974	18,288
b	15,9966	9,699

A-B LSA attenuation:	0,181 dB/km	A-B average loss:	0,163 dB/km
A-B LSA loss:	0,723 dB	4-point Event Loss:	-3,201 dB
A-B ORL:	36,54 dB	Maximum reflectance:	-70,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,0		0,000
Section		0,0447	0,067		1,500	0,067
Non-Reflective	2	0,0447	4,156			4,222
Section		6,0968	1,028		0,169	5,250
Non-Reflective	3	6,1415	0,116			5,366
Section		9,0079	1,668		0,185	7,034
Reflective	4	15,1493	---	>-14,0		7,034

Macrobend

460

EXFO

Firma: Fiber tank systems. Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3295

Informe OTDR (1550 nm (9 µm))

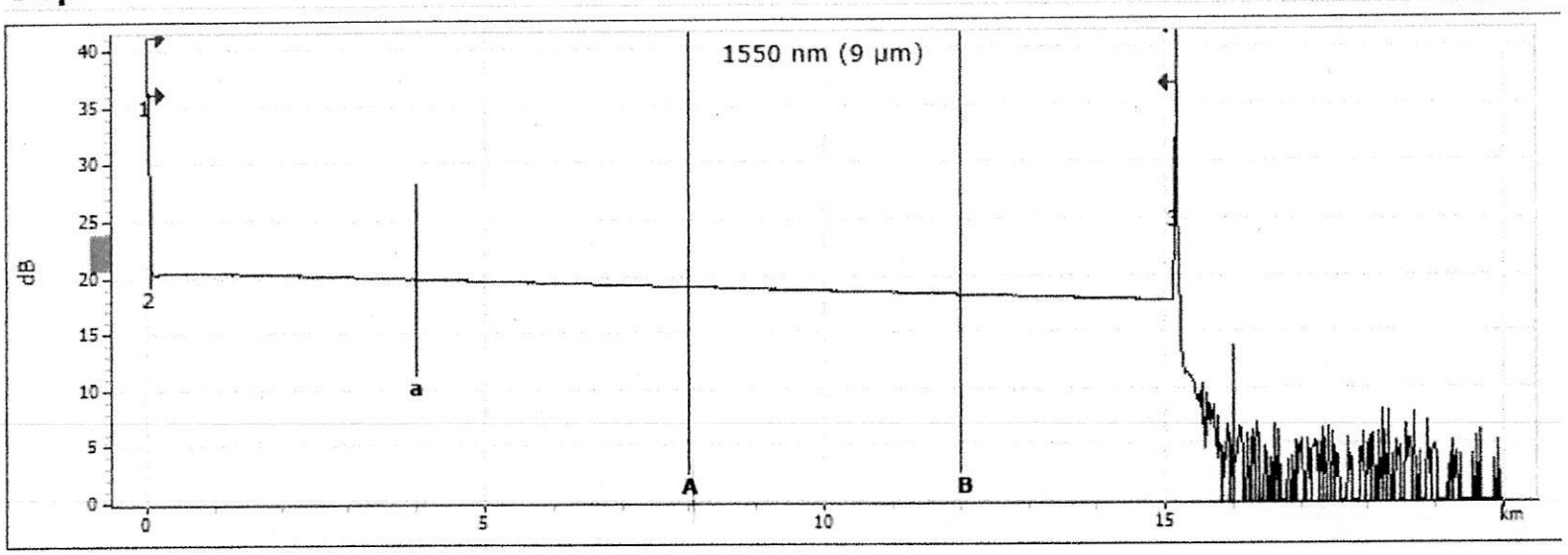
Información general

Nombre de archivo:	GOB B 18.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:16:14 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 18
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1503 km	Average loss:	0,477 dB/km	Injection level:	24,9 dB
Span loss:	7,228 dB	Average splice loss:	4,305 dB		
Span ORL:	<24,84 dB	Maximum splice loss:	4,305 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,791
A	7,9982	19,048
B	11,9974	18,320
b	15,9966	5,254

A-B LSA attenuation:	0,191 dB/km	A-B average loss:	0,182 dB/km
A-B LSA loss:	0,766 dB	4-point Event Loss:	-3,298 dB
A-B ORL:	36,61 dB	Maximum reflectance:	-72,9 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,4		0,000
Section		0,0440	0,066		1,500	0,066
Non-Reflective	2	0,0440	4,305			4,371
Section		15,1063	2,856		0,189	7,228
Reflective	3	15,1503	---	>-14,1		7,228

Macrobend

EXFO

Firma: Fluid Tecnos Systems Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

463

Informe OTDR (1550 nm (9 µm))

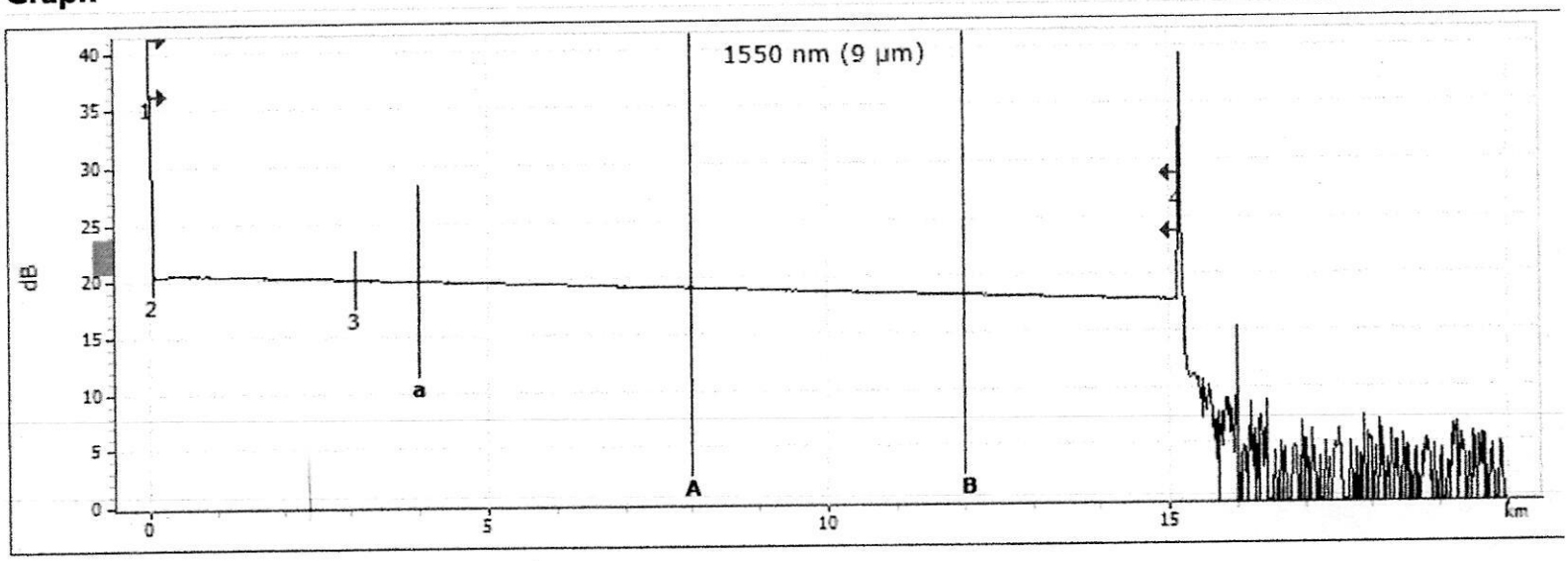
Información general

Nombre de archivo:	GOB B 19.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:16:43 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 19
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1490 km	Average loss:	0,466 dB/km	Injection level:	24,7 dB
Span loss:	7,056 dB	Average splice loss:	2,130 dB		
Span ORL:	<24,65 dB	Maximum splice loss:	4,182 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,862
A	7,9982	19,099
B	11,9974	18,290
b	15,9966	6,891

A-B LSA attenuation:	0,197 dB/km	A-B average loss:	0,202 dB/km
A-B LSA loss:	0,789 dB	4-point Event Loss:	-3,076 dB
A-B ORL:	36,71 dB	Maximum reflectance:	-70,7 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,1		0,000
Section		0,0443	0,067		1,500	0,067
Non-Reflective	2	0,0443	4,182			4,249
Section		3,0396	0,425		0,140	4,674
Non-Reflective	3	3,0840	0,079			4,753
Section		12,0650	2,303		0,191	7,056
Reflective	4	15,1490	---	>-14,4		7,056

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3299

Informe OTDR (1550 nm (9 µm))

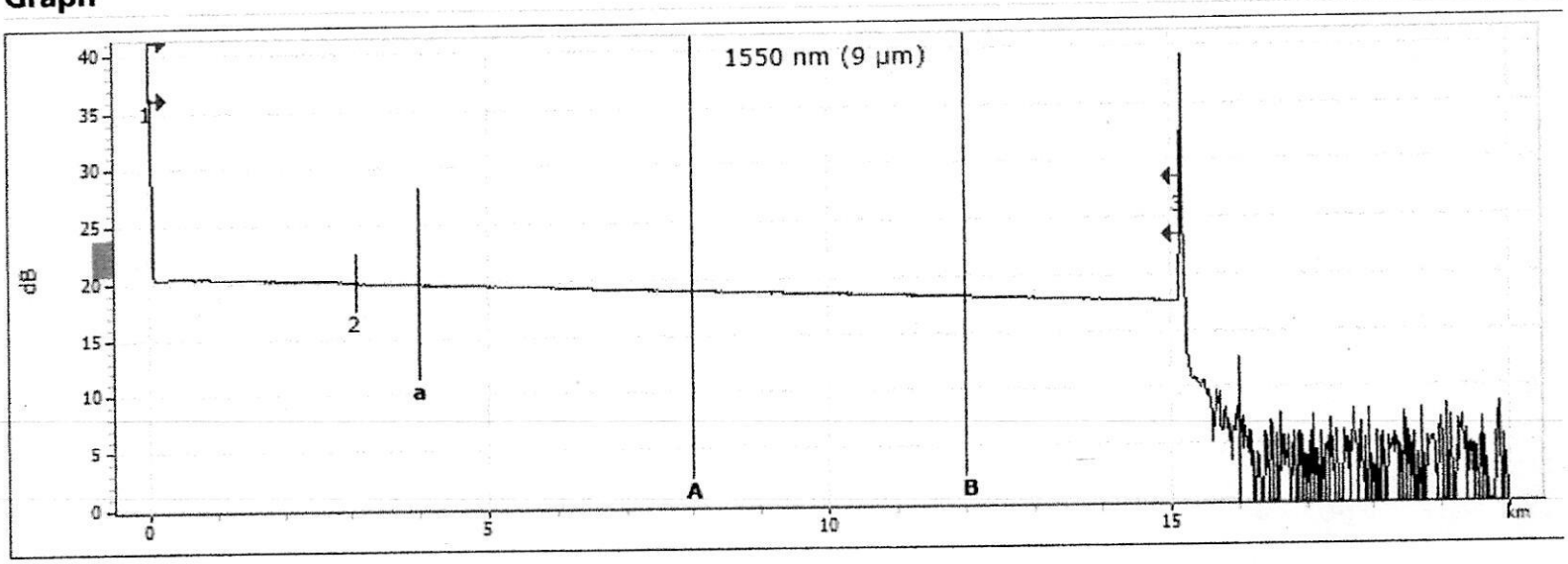
Información general

Nombre de archivo:	GOB B 20.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:17:11 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 20
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1490 km	Average loss:	0,186 dB/km	Injection level:	20,5 dB
Span loss:	2,814 dB	Average splice loss:	0,106 dB		
Span ORL:	<16,28 dB	Maximum splice loss:	0,106 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,764
A	7,9982	18,903
B	11,9974	18,221
b	15,9966	4,188

A-B LSA attenuation:	0,177 dB/km	A-B average loss:	0,171 dB/km
A-B LSA loss:	0,708 dB	4-point Event Loss:	-3,071 dB
A-B ORL:	36,51 dB	Maximum reflectance:	-71,6 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-24,3		0,00
Section		3,0770	0,442		0,144	0,44
Non-Reflective	2	3,0770	0,106			0,54
Section		12,0721	2,267		0,188	2,81
Reflective	3	15,1490	---	>-14,4		2,81

Macrobend

EXFO

Firma: _____

Fecha: 12/04/2021

3300

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3301

Informe OTDR (1550 nm (9 µm))

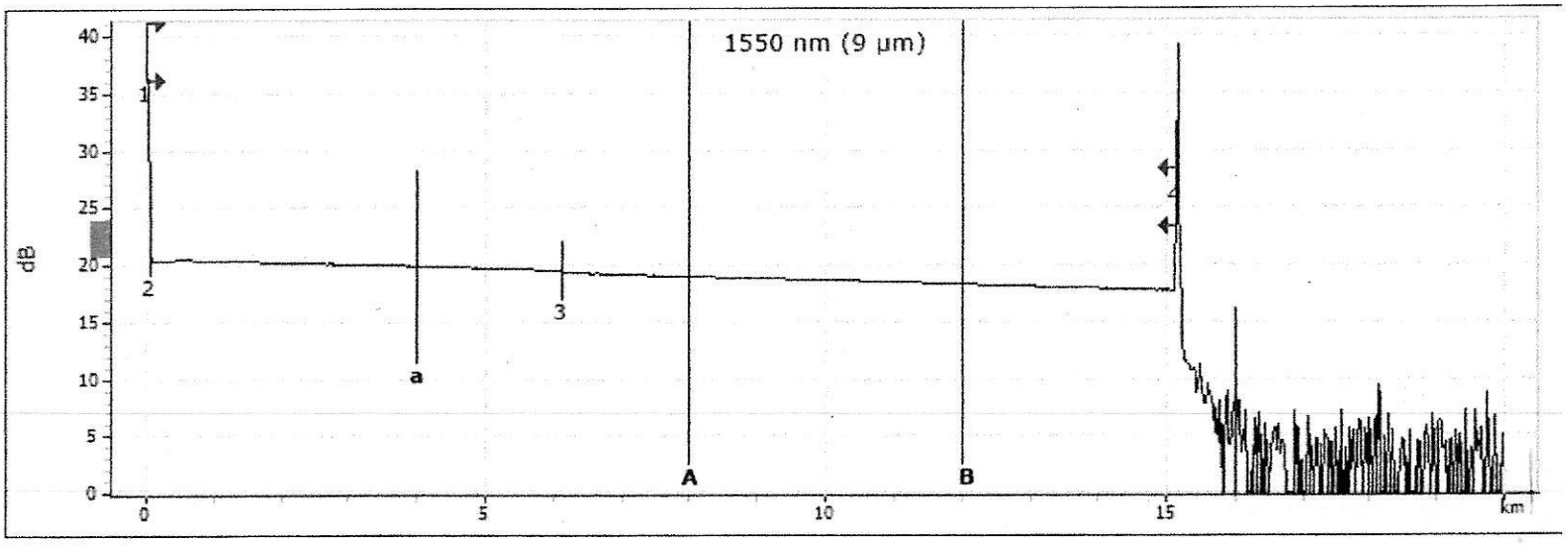
Información general

Nombre de archivo:	GOB B 21.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:17:44 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 21
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1490 km	Average loss:	0,478 dB/km	Injection level:	24,9 dB
Span loss:	7,247 dB	Average splice loss:	2,295 dB		
Span ORL:	<25,04 dB	Maximum splice loss:	4,374 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,914
A	7,9982	19,000
B	11,9974	18,311
b	15,9966	7,669

A-B LSA attenuation:	0,172 dB/km	A-B average loss:	0,172 dB/km
A-B LSA loss:	0,687 dB	4-point Event Loss:	-3,333 dB
A-B ORL:	36,59 dB	Maximum reflectance:	-69,1 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,5		0,000
Section		0,0440	0,066		1,500	0,066
Non-Reflective	2	0,0440	4,374			4,440
Section		6,0920	0,965		0,158	5,406
Non-Reflective	3	6,1360	0,216			5,622
Section		9,0130	1,625		0,180	7,247
Reflective	4	15,1490	---	>-14,4		7,247

Macrobend

EXFO

Firma: Hiel tecnico sistemas Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

Informe OTDR (1550 nm (9 µm))

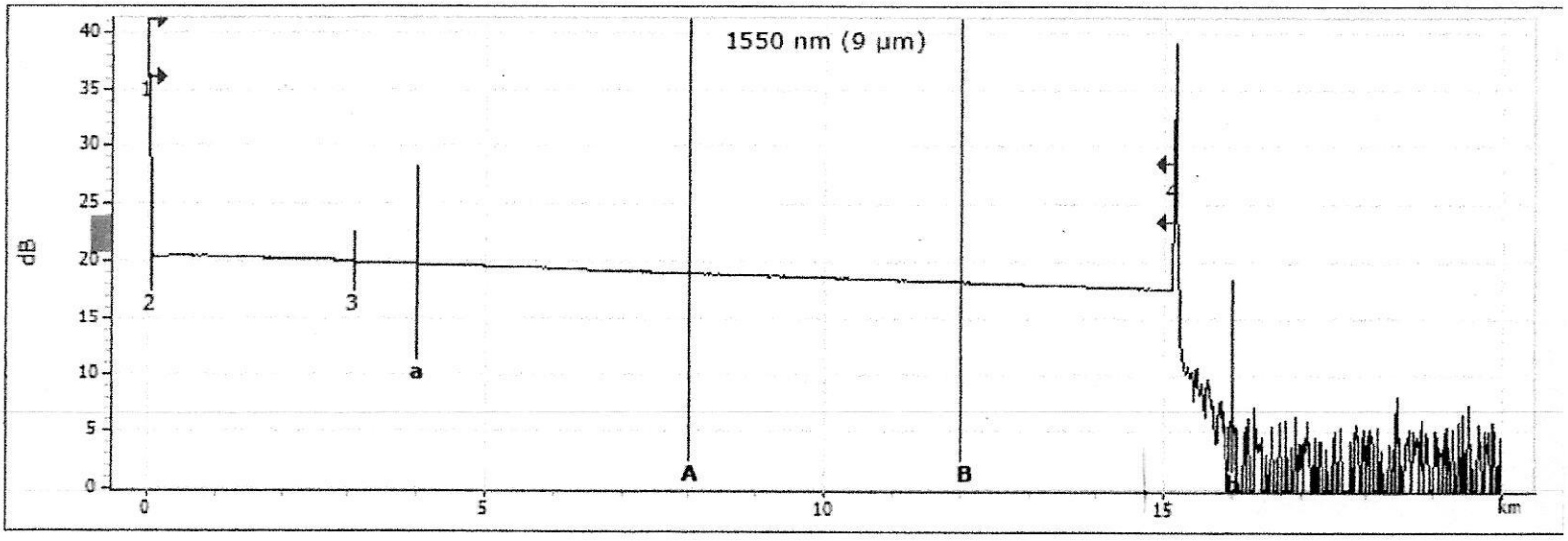
Información general

Nombre de archivo:	GOB B 22.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:18:12 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 22
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1493 km	Average loss:	0,447 dB/km	Injection level:	24,4 dB
Span loss:	6,765 dB	Average splice loss:	1,993 dB		
Span ORL:	<24,06 dB	Maximum splice loss:	3,884 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,733
A	7,9982	18,935
B	11,9974	18,252
b	15,9966	9,995

A-B LSA attenuation:	0,176 dB/km	A-B average loss:	0,171 dB/km
A-B LSA loss:	0,705 dB	4-point Event Loss:	-3,265 dB
A-B ORL:	36,60 dB	Maximum reflectance:	-69,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,4		0,000
Section		0,0463	0,069		1,500	0,069
Non-Reflective	2	0,0463	3,884			3,953
Section		3,0285	0,441		0,145	4,394
Non-Reflective	3	3,0747	0,103			4,497
Section		12,0746	2,268		0,188	6,765
Reflective	4	15,1493	---	>-14,4		6,765

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3305

Informe OTDR (1550 nm (9 µm))

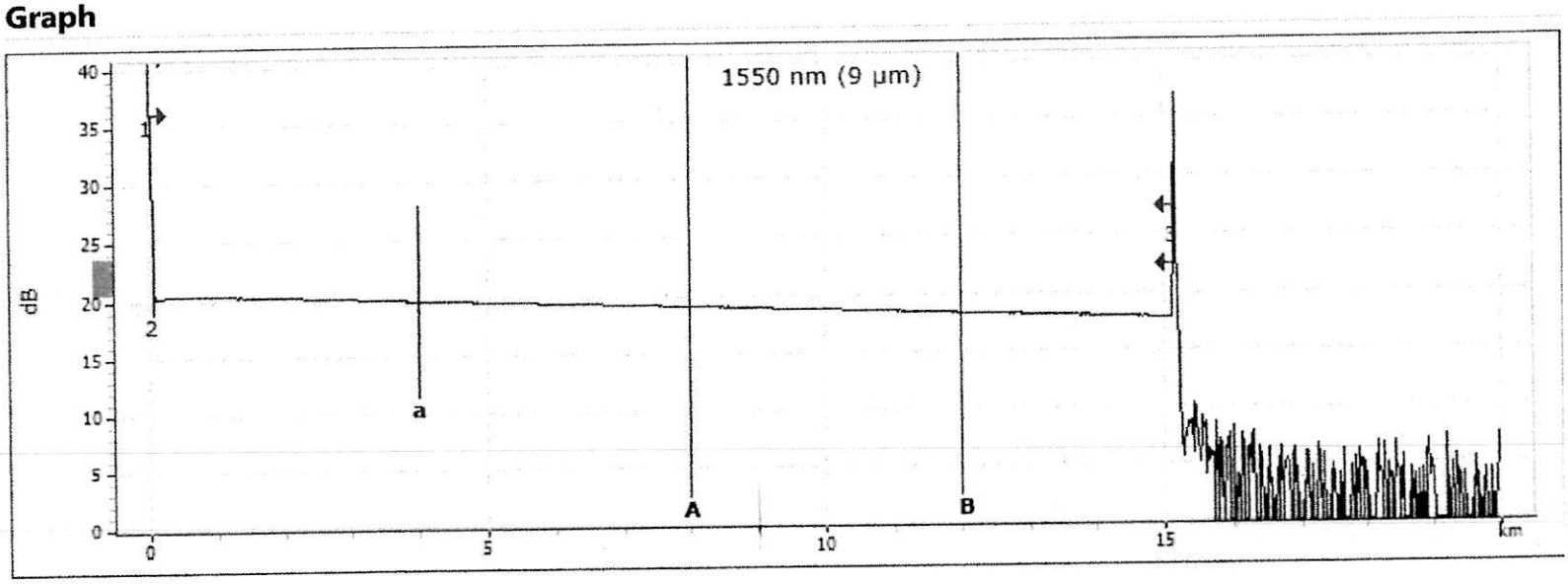
Información general

Nombre de archivo:	GOB B 23.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:18:41 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 23
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1496 km	Average loss:	0,465 dB/km	Injection level:	24,7 dB
Span loss:	7,046 dB	Average splice loss:	4,199 dB		
Span ORL:	<26,08 dB	Maximum splice loss:	4,199 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,794
A	7,9982	19,144
B	11,9974	18,243
b	15,9966	0,000

A-B LSA attenuation:	0,194 dB/km	A-B average loss:	0,225 dB/km
A-B LSA loss:	0,775 dB	4-point Event Loss:	-3,574 dB
A-B ORL:	36,76 dB	Maximum reflectance:	-72,8 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,2		0,000
Section		0,0443	0,067		1,500	0,067
Non-Reflective	2	0,0443	4,199			4,265
Section		15,1053	2,781		0,184	7,046
Reflective	3	15,1496	---	-18,9		7,046

Macrobend

EXFO

Firma: Fiber Secure Systems Fecha: 12/04/2021

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

3307

Informe OTDR (1550 nm (9 µm))

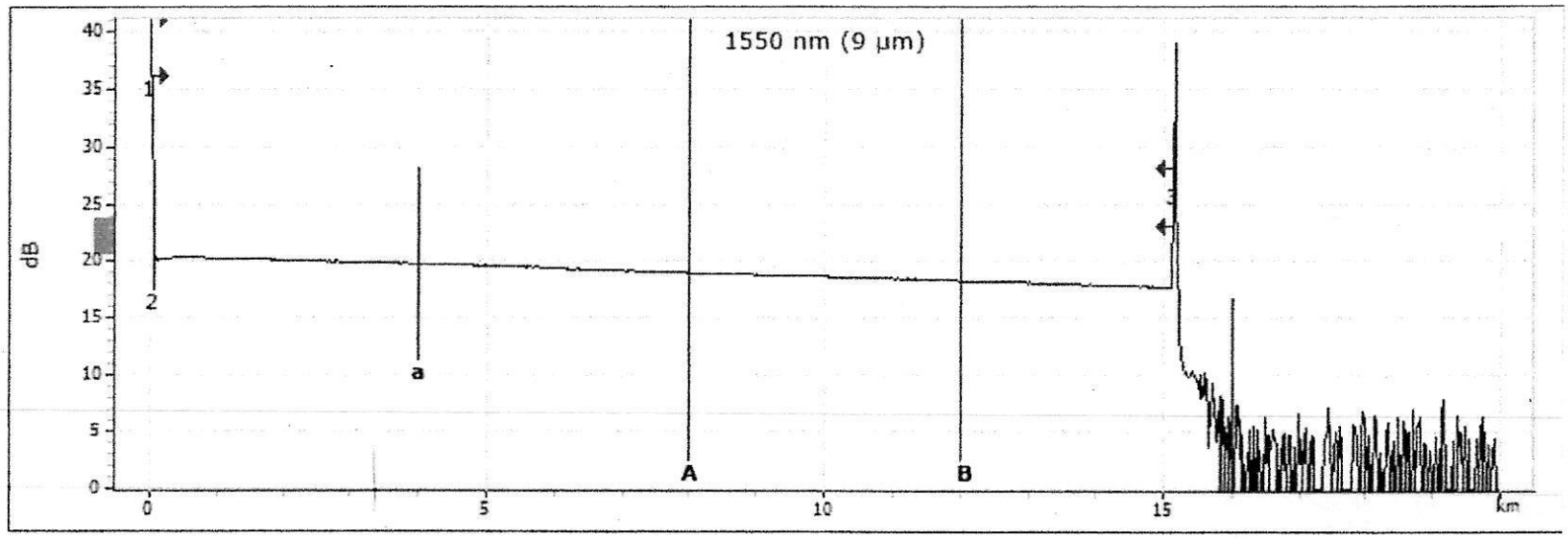
Información general

Nombre de archivo:	GOB B 24.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:19:12 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 24
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1493 km	Average loss:	0,444 dB/km	Injection level:	24,4 dB
Span loss:	6,727 dB	Average splice loss:	3,941 dB		
Span ORL:	<24,19 dB	Maximum splice loss:	3,941 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,786
A	7,9982	19,003
B	11,9974	18,293
b	15,9966	8,412

A-B LSA attenuation:	0,165 dB/km	A-B average loss:	0,178 dB/km
A-B LSA loss:	0,661 dB	4-point Event Loss:	-3,394 dB
A-B ORL:	36,60 dB	Maximum reflectance:	-72,2 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,5		0,000
Section		0,0459	0,069		1,500	0,069
Non-Reflective	2	0,0459	3,941			4,010
Section		15,1034	2,717		0,180	6,727
Reflective	3	15,1493	---	>-14,9		6,727

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

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Informe OTDR (1550 nm (9 µm))

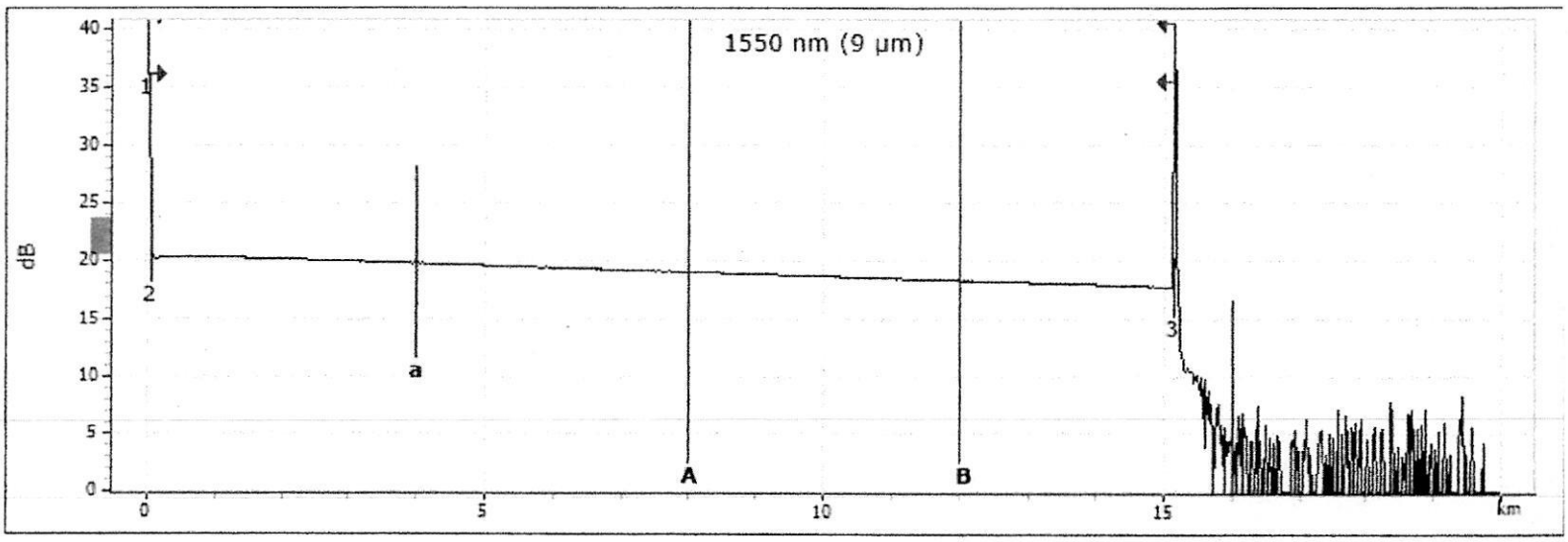
Información general

Nombre de archivo:	GOB B 25.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:19:47 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 25
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1385 km	Average loss:	0,452 dB/km	Injection level:	24,5 dB
Span loss:	6,839 dB	Average splice loss:	3,984 dB		
Span ORL:	<24,22 dB	Maximum splice loss:	3,984 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,869
A	7,9982	19,065
B	11,9974	18,341
b	15,9966	8,270

A-B LSA attenuation:	0,187 dB/km	A-B average loss:	0,181 dB/km
A-B LSA loss:	0,747 dB	4-point Event Loss:	-3,385 dB
A-B ORL:	36,61 dB	Maximum reflectance:	-72,5 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-26,9		0,000
Section		0,0450	0,067		1,500	0,067
Non-Reflective	2	0,0450	3,984			4,052
Section		15,0935	2,788		0,185	6,839
Reflective	3	15,1385	---	>-14,2		6,839

Macrobend

Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

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Informe OTDR (1550 nm (9 µm))

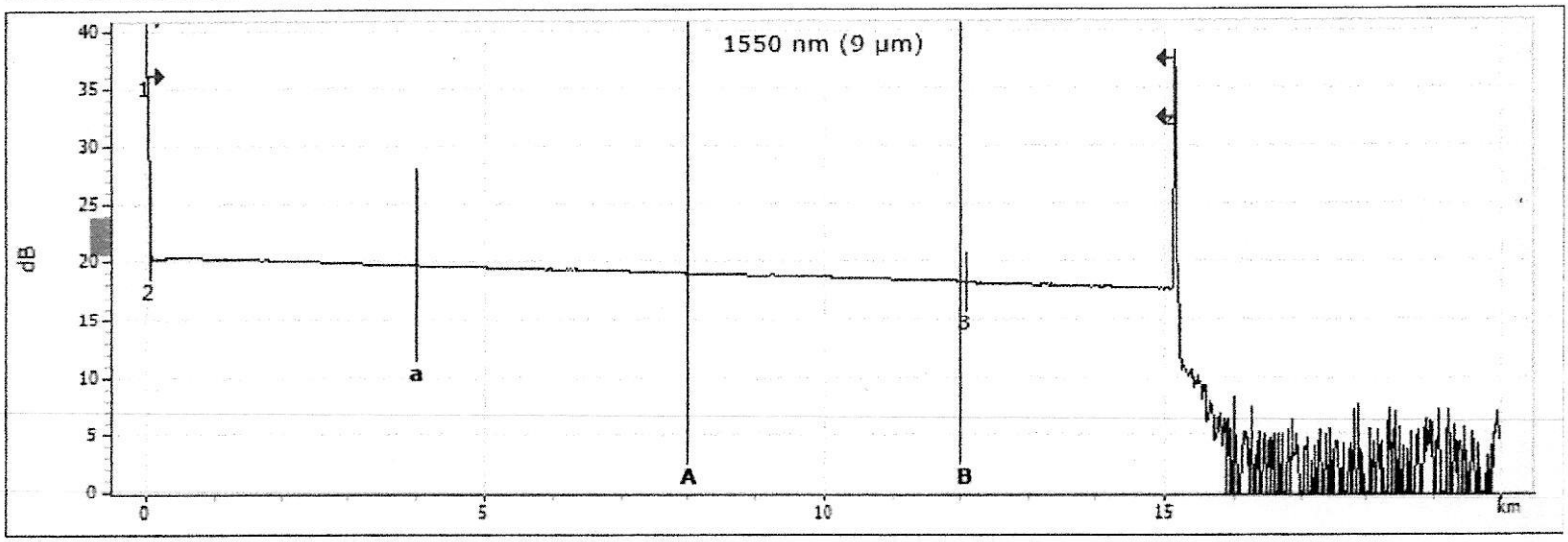
Información general

Nombre de archivo:	GOB B 26.SOR		
Fecha de la prueba:	12/04/2021	Cliente:	
Hora de la prueba:	12:20:25 p. m.	Empresa:	
ID de cable:		ID de fibra:	GOB B 26
ID de trabajo:	PRUEBAS		
Comentarios:			

Results

Span length:	15,1407 km	Average loss:	0,463 dB/km	Injection level:	24,6 dB
Span loss:	7,010 dB	Average splice loss:	2,144 dB		
Span ORL:	<24,72 dB	Maximum splice loss:	4,153 dB		

Graph



Markers

Marker	Position (km)	Value (dB)
a	3,9989	19,691
A	7,9982	18,976
B	11,9974	18,267
b	15,9966	0,000

A-B LSA attenuation:	0,160 dB/km	A-B average loss:	0,177 dB/km
A-B LSA loss:	0,641 dB	4-point Event Loss:	-3,264 dB
A-B ORL:	36,54 dB	Maximum reflectance:	-73,1 dB

Event Table

Type	No.	Pos./Length (km)	Loss (dB)	Reflectance (dB)	Attenuation (dB/km)	Cumulative (dB)
First Connector	1	0,0000	---	>-27,0		0,000
Section		0,0447	0,067		1,500	0,067
Non-Reflective	2	0,0447	4,153			4,220
Section		12,0280	2,107		0,175	6,328
Non-Reflective	3	12,0727	0,135			6,463
Section		3,0680	0,547		0,178	7,010
Reflective	4	15,1407	---	>-14,8		7,010

Macrobend

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Informe OTDR (1550 nm (9 µm))

Test Parameters

	A → B
Wavelength (nm)	1550 nm (9 µm)
Range (km)	20,0000
Pulse (ns)	275
Duration (s)	15
High-resolution	Yes

Test Settings

	A → B	Macrobend Wavelengths	Macrobend Delta Loss (dB)
IOR	1,468325		
Backscatter (dB)	-81,87		
Helix factor (%)	0,00		
Splice loss detection threshold (dB)	0,020		
Reflectance detection threshold (dB)	-72,0		
End-of-fiber detection threshold (dB)	5,000		

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