



KITS™ Live Data Capture Worksheet

Version 4.15

- Manual data entry cells
- Programmed cells / Manual entry
- Program output. User can't change

Job Details / Site Data

Job No	3-25-15	Project	Route 5 Span	Report Date	4/28/2015	Terminal ID	Source / LTS Type	S/N	Meter / LTS Type	S/N	CAL Y/N
Operator	Scott	Operator	George	Report/File No	Report-20150428	A	7340		7340	27938	Y
				Channel/Perm Link	Other	B	74340		7340	27939	Y

Test Parameter Setup

Cable Parameters				Optical Parameters				Test Setup Summary			
Number of Tests	6	Max allowed length	Mile	Wavelength	1310	1490	1550	<div style="text-align: center;"> <p>Applied Standard: 8 fibers OS2</p> <p>Customer Specification: 8 fibers OS2</p> <p>Meter @ A SC APC (Remote Reference) ←-----→ B SC APC</p> <p>Length = 30.5 Mile Prop Delay = -- ns</p> </div>			
FT= Fiber Type	OS2	L = Fiber length	Mile	F = Fiber attenuation, dB/Km	0.35	0.24	0.19				
'A' connector type	SC APC	NS = Number of Splices	2	SL = Splice loss, dB	0.1	0.1	0.1				
'B' Connector type	SC APC	NC = Number of Connectors	2	CT = Connector 1-2 loss, dB	0.4	0.4	0.4				
Reference Cords	2 Cord	ND = Number of other Devices	0	CL = Connector other loss, dB	0.4	0.4	0.4				
Reference End	Remote	Test Direction	2-way	DL = Device insertion loss, dB	4	4	4				
				UA = Uncertainty allowance, dB	0	0	0				
				Pass / Fail Link Loss, dB	17.78	12.38	9.93				
				Pass / Fail Channel Loss, dB							
				Pass / Fail ORL Loss, dB	27.00	27.00	27.00				

Statistical Analysis

λ	Loss			ORL		
	Min	Mean	Max	Min	Mean	Max
	1310	19.24	19.29	19.32	32.51	32.55
1490	13.21	13.24	13.28	32.58	32.62	32.65
1550	12.52	12.53	12.55	33.16	33.22	33.28

Test Results

Fiber Details					Loss Limit		Insertion Loss (IL) Results dB							ORL Results dB			Pass/Fail/Marginal & Time		Data Identification					
Fiber ID		Length	No. of Splices	No. of Connectors	λ	Max Loss	Direction A->B			Direction B->A			Average	IL	Margin	Direction		ORL	P/F/M	TimeTag	Memory Location		ID_TAG	
A	B	Mile			nm	dB	Ref A	Meas B	IL A->B	Ref B	Meas A	IL B->A	IL	Margin	A	B	Margin	"A"			"B"	"A"	"B"	
25	25	30.5	2	2	1310	17.78	-9.90	-29.63	19.73	-10.86	-29.83	18.97	19.32		32.58	25.72		FAIL		25				
					1490	12.38	-10.02	-23.71	13.69	-11.14	-24.08	12.94	13.28		32.65	30.82								
					1550	9.93	-10.15	-23.06	12.91	-11.32	-23.55	12.23	12.54		33.28	28.09								
26	26	30.5	2	2	1310	17.78	-9.90	-29.61	19.71	-10.86	-29.82	18.96	19.31		32.58	25.53		FAIL		26				
					1490	12.38	-10.02	-23.68	13.66	-11.14	-24.07	12.93	13.26		32.65	30.50								
					1550	9.93	-10.15	-23.04	12.89	-11.32	-23.54	12.22	12.52		33.25	27.93								
27	27	30.5	2	2	1310	17.78	-9.90	-29.63	19.73	-10.86	-29.80	18.94	19.31		32.56	25.32		FAIL		27				
					1490	12.38	-10.02	-23.64	13.62	-11.14	-24.08	12.94	13.25		32.62	30.26								
					1550	9.93	-10.15	-23.07	12.92	-11.32	-23.57	12.25	12.55		33.26	27.76								
28	28	30.5	2	2	1310	17.78	-9.90	-29.61	19.71	-10.86	-29.79	18.93	19.29		32.56	25.30		FAIL		28				
					1490	12.38	-10.02	-23.64	13.62	-11.14	-24.08	12.94	13.25		32.62	30.11								
					1550	9.93	-10.15	-23.06	12.91	-11.32	-23.56	12.24	12.54		33.23	27.71								
29	29	30.5	2	2	1310	17.78	-9.90	-29.62	19.72	-10.86	-29.79	18.93	19.30		32.55	25.34		FAIL		29				
					1490	12.38	-10.02	-23.63	13.61	-11.14	-24.08	12.94	13.24		32.61	29.96								
					1550	9.93	-10.15	-23.05	12.90	-11.32	-23.56	12.24	12.54		33.24	27.70								
30	30	30.5	2	2	1310	17.78	-9.90	-29.63	19.73	-10.86	-29.75	18.89	19.28		32.54	25.40		FAIL		30				
					1490	12.38	-10.02	-23.64	13.62	-11.14	-24.05	12.91	13.23		32.60	29.66								
					1550	9.93	-10.15	-23.09	12.94	-11.32	-23.51	12.19	12.53		33.17	27.79								
31	31	30.5	2	2	1310	17.78	-9.90	-29.62	19.72	-10.86	-29.72	18.86	19.26		32.51	25.38		FAIL		31				
					1490	12.38	-10.02	-23.62	13.60	-11.14	-24.05	12.91	13.22		32.58	29.35								

					1550	9.93	-10.15	-23.07	12.92	-11.32	-23.51	12.19	12.52		33.17	27.76							
32	32	30.5	2	2	1310	17.78	-9.90	-29.60	19.70	-10.86	-29.70	18.84	19.24		32.52	24.90							
					1490	12.38	-10.02	-23.60	13.58	-11.14	-24.04	12.90	13.21		32.59	29.08							
					1550	9.93	-10.15	-23.06	12.91	-11.32	-23.52	12.20	12.52		33.16	27.57		FAIL					