September 9, 1999

S400 Copper shorthaul

UI (ns) 2034.6 1017.3 For information

ps to UI

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	*203*	*16.28*	228	431	0.10	0.008	0.112	0.21
TP1 to TP2	*41*	*12.21*	171	212	0.02	0.006	0.084	0.104
TP2	**244**	20.35	285	**529**	**0.12**	0.010	0.140	**0.26**
TP2 to TP3	*529*	*16.9*	237	766	0.26	0.008	0.116	0.376
TP3	773	26.45	370	1143	0.38	0.013	0.182	0.56
TP3 to TP4	*41*	*10.17*	142	183	0.02	0.005	0.070	0.090
TP4	814	28.34	397	1211	0.40	0.014	0.195	0.60

Notes:
Blue is the raw data, bold are the normative values

For inclusion in P1394b

UI to ps

Jitter outp	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	203	17.40	244	447	0.10	0.009	0.12	0.22
TP1 to TP2	41	10.55	148	189	0.02	0.005	0.07	0.09
TP2	**244**	20.35	285	**529**	**0.12**	0.010	0.14	**0.26**
TP2 to TP3	529	16.90	237	766	0.26	0.008	0.11	0.37
TP3	773	26.45	370	1143	0.38	0.013	0.18	0.56
TP3 to TP4	41	10.17	142	183	0.02	0.005	0.07	0.09
TP4	814	28.48	399	1213	0.40	0.014	0.2	0.60

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	244	20.35	285	203	732	0.12	0.010	0.140	0.100	0.36
TP3	**773**	26.45	370	**203**	**1346**	**0.38**	0.013	0.182	**0.100**	**0.66**
TP4	814	28.34	397	204	1415	0.40	0.014	0.195	0.100	0.70

Jitter tole	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	244	20.35	285	203	732	0.12	0.010	0.140	0.1	0.36
TP3	**773**	26.45	370	**203**	**1346**	**0.38**	0.013	0.182	**0.1**	**0.66**
TP4	814	28.48	399	203	1416	0.40	0.014	0.196	0.1	0.70

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S800 Copper shorthaul

UI (ns) 1017.3

For information

For inclusion in P1394b

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	***102***	*8.7*	122	**224**	**0.10**	0.009	0.120	**0.22**
TP1 to TP2	*20*	*5.2*	73	93	0.02	0.005	0.072	0.091
TP2	**122**	10.14	142	**264**	**0.12**	0.010	0.140	**0.26**
TP2 to TP3	*264*	*8.4*	118	382	0.26	0.008	0.116	0.376
TP3	**386**	13.17	184	**570**	**0.38**	0.013	0.181	**0.56**
TP3 to TP4	*21*	*5.8*	81	102	0.02	0.006	0.080	0.100
TP4	**407**	14.39	201	**608**	**0.40**	0.014	0.198	**0.60**

UI to ps

Jitter out	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	102	8.70	122	224	0.10	0.009	0.12	0.22
TP1 to TP2	20	5.28	74	94	0.02	0.005	0.07	0.09
TP2	**122**	10.17	142	**264**	**0.12**	0.010	0.14	**0.26**
TP2 to TP3	264	8.45	118	382	0.26	0.008	0.11	0.37
TP3	387	13.22	185	572	0.38	0.013	0.18	0.56
TP3 to TP4	20	5.09	71	91	0.02	0.005	0.07	0.09
TP4	407	14.24	199	606	0.40	0.014	0.2	0.60

Notes:
Blue is the raw data, bold are the normative values

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	**NA**	NA	NA	NA	**NA**	**NA**	NA	NA	NA	**NA**
TP2	**122**	10.14	142	102	**366**	**0.12**	0.010	0.140	0.100	**0.36**
TP3	**386**	13.17	184	102	**672**	**0.38**	0.013	0.181	0.100	**0.66**
TP4	**407**	14.39	201	102	**710**	**0.40**	0.014	0.198	0.100	**0.70**

Jitter tole	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	122	10.17	142	102	366	0.12	0.010	0.140	0.1	0.36
TP3	**387**	13.22	185	**102**	**674**	**0.38**	0.013	0.182	**0.1**	**0.66**
TP4	407	14.24	199	102	708	0.40	0.014	0.196	0.1	0.70

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S1600 Copper shorthaul

UI (ns) 508.65 1017.3 For information For inclusion in P1394b

ps to UI

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	*66*	*5.8*	81	147	0.13	0.011	0.159	0.29
TP1 to TP2	*15*	*1.3*	18	33	0.03	0.003	0.035	0.065
TP2	**81**	5.94	83	**164**	**0.16**	0.012	0.163	**0.32**
TP2 to TP3	*107*	*1.5*	21	128	0.21	0.003	0.041	0.252
TP3	188	6.13	86	274	0.37	0.012	0.169	0.54
TP3 to TP4	*15*	*1.3*	18	33	0.03	0.003	0.035	0.065
TP4	203	6.27	88	291	0.40	0.012	0.173	0.57

UI to ps

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	66	4.32	61	127	0.13	0.009	0.12	0.25
TP1 to TP2	15	2.54	35.6	51	0.03	0.005	0.07	0.10
TP2	**81**	5.09	71.2	**153**	**0.16**	0.010	0.14	**0.30**
TP2 to TP3	107	5.09	71.2	178	0.21	0.010	0.14	0.35
TP3	188	7.12	102	290	0.37	0.014	0.2	0.57
TP3 to TP4	15	0.00	0	15	0.03	0.000	0	0.03
TP4	203	7.12	102	305	0.40	0.014	0.2	0.60

Notes:
Blue is the raw data, bold are the normative values

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	81	5.94	83	51	215	0.16	0.012	0.163	0.100	0.42
TP3	**188**	6.13	86	**51**	**325**	**0.37**	0.012	0.169	**0.100**	**0.64**
TP4	203	6.27	88	51	342	0.40	0.012	0.173	0.100	0.67

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	81	5.09	71	51	204	0.16	0.010	0.140	0.1	0.40
TP3	**188**	7.12	102	**51**	**341**	**0.37**	0.014	0.200	**0.1**	**0.67**
TP4	203	7.12	102	51	356	0.40	0.014	0.200	0.1	0.70

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S400 GOF

UI (ns) 2034.6 1017.3 For information For inclusion in P1394b

ps to UI

Jitter outp	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	*203*	*17.4*	244	447	0.10	0.009	0.120	0.22
TP1 to TP2	*224*	*26.79*	375	599	0.11	0.013	0.184	0.294
TP2	**427**	31.94	447	**874**	**0.21**	0.016	0.220	**0.43**
TP2 to TP3	*61*	*8.92*	125	186	0.03	0.004	0.061	0.091
TP3	488	33.16	464	952	0.24	0.016	0.228	0.47
TP3 to TP4	*346*	*10.17*	142	488	0.17	0.005	0.070	0.240
TP4	834	34.68	486	1320	0.41	0.017	0.239	0.65

UI to ps

Jitter outp	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	203	17.40	244	447	0.10	0.009	0.12	0.22
TP1 to TP2	224	26.79	375	599	0.11	0.013	0.18	0.29
TP2	**427**	31.94	447	**874**	**0.21**	0.016	0.22	**0.43**
TP2 to TP3	61	8.92	125	186	0.03	0.004	0.06	0.09
TP3	488	33.16	464	952	0.24	0.016	0.23	0.47
TP3 to TP4	346	10.17	142	488	0.17	0.005	0.07	0.24
TP4	834	34.59	484	1318	0.41	0.017	0.24	0.65

Notes:
Blue is the raw data, bold are the normative values

Jitter tole	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	427	31.94	447	203	975	0.21	0.016	0.220	0.100	0.48
TP3	**488**	33.16	464	**203**	**1053**	**0.24**	0.016	0.228	**0.100**	**0.52**
TP4	834	34.68	486	204	1422	0.41	0.017	0.239	0.100	0.70

Jitter tole	ps					UI					
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	Fudge
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TP2	427	31.94	447	203	975	0.21	0.016	0.220	0.1	0.48	102
TP3	**488**	33.16	464	**203**	**1053**	**0.24**	0.016	0.228	**0.1**	**0.52**	102
TP4	834	34.59	484	203	1419	0.41	0.017	0.238	0.1	0.70	102

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S800 MMF shorthaul

UI (ns) 1017.3 1017.3 For information For inclusion in P1394b

ps to UI

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	*102*	*8.7*	122	224	0.10	0.009	0.120	0.22
TP1 to TP2	*112*	*13.4*	188	300	0.11	0.013	0.185	0.295
TP2	**214**	15.98	224	**438**	**0.21**	0.016	0.220	**0.43**
TP2 to TP3	*31*	*4.46*	62	93	0.03	0.004	0.061	0.091
TP3	245	16.59	232	477	0.24	0.016	0.228	0.47
TP3 to TP4	*173*	*5.09*	71	244	0.17	0.005	0.070	0.240
TP4	418	17.35	243	661	0.41	0.017	0.239	0.65

UI to ps

Jitter out	ps				UI			
Complian ce Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	102	8.70	122	224	0.10	0.009	0.12	0.22
TP1 to TP2	112	13.40	188	300	0.11	0.013	0.18	0.29
TP2	**214**	15.97	224	**438**	**0.21**	0.016	0.22	**0.43**
TP2 to TP3	31	4.46	62	93	0.03	0.004	0.06	0.09
TP3	244	16.58	232	476	0.24	0.016	0.23	0.47
TP3 to TP4	173	5.09	71	244	0.17	0.005	0.07	0.24
TP4	417	17.29	242	659	0.41	0.017	0.24	0.65

Notes:
Blue is the raw data, bold are the normative values

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	214	15.98	224	102	489	0.21	0.016	0.220	0.100	0.48
TP3	**245**	16.59	232	**102**	**528**	**0.24**	0.016	0.228	**0.100**	**0.52**
TP4	418	17.35	243	102	712	0.41	0.017	0.239	0.100	0.70

Jitter tole	ps					UI					
Complian ce Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	Fudge
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TP2	214	15.97	224	102	489	0.21	0.016	0.220	0.1	0.48	51
TP3	**244**	16.58	232	**102**	**527**	**0.24**	0.016	0.228	**0.1**	**0.52**	51
TP4	417	17.29	242	102	710	0.41	0.017	0.238	0.1	0.70	51

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S1600 MMF shorthaul

UI (ns) 508.65 1017.3 For information For inclusion in P1394b

ps to UI

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	*66*	*4.32*	61	127	0.13	0.0085	0.120	0.25
TP1 to TP2	*66*	*5.09*	71	137	0.13	0.0100	0.140	0.27
TP2	**132**	6.68	93	**225**	**0.26**	0.0131	0.183	**0.44**
TP2 to TP3	*15*	*1.53*	21	36	0.03	0.0030	0.041	0.07
TP3	147	6.85	96	243	0.29	0.0135	0.189	0.48
TP3 to TP4	*56*	*6.10*	85	141	0.11	0.0120	0.167	0.28
TP4	203	9.17	128	331	0.40	0.0180	0.252	0.65

UI to ps

Jitter output	ps				UI			
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	TJ pk-pk
TP1	66	4.32	61	127	0.13	0.009	0.12	0.25
TP1 to TP2	66	5.09	71	137	0.13	0.010	0.14	0.27
TP2	**132**	6.68	92	**224**	**0.26**	0.013	0.18	**0.44**
TP2 to TP3	15	1.53	20	36	0.03	0.003	0.04	0.07
TP3	148	6.87	97	244	0.29	0.014	0.19	0.48
TP3 to TP4	56	6.10	86	142	0.11	0.012	0.17	0.28
TP4	203	9.16	127	331	0.40	0.018	0.25	0.65

Notes:
Blue is the raw data, bold are the normative values

Jitter tolerance	ps					UI				
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TP2	132	6.676	93	51	251	0.26	0.013	0.183	0.100	0.49
TP3	**147**	6.85	96	**51**	269	**0.29**	0.013	0.189	**0.100**	**0.53**
TP4	203	9.17	128	51	357	0.40	0.018	0.252	0.100	0.70

Jitter tolerance	ps					UI					
Compliance Point	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	DJ pk-pk	RJ RMS	RJ pk-pk	Sinusoidal pk-pk	TJ pk-pk	Fudge
TP1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
TP2	132	6.68	92	51	249	0.26	0.013	0.180	0.1	0.49	25.5
TP3	**148**	6.87	97	**51**	270	**0.29**	0.014	0.190	**0.1**	**0.53**	25.5
TP4	203	9.16	127	51	356	0.40	0.018	0.250	0.1	0.70	25.5

Output jitter requirements - comparisons

	S400 1394-1995	S800	S1600
	ps	ps	ps
TP1	150	224	147
TP2	150	264	164
TP3	315	570	274
TP4	315	608	291