



Circuit ID: 1504-18E
 Cable Test Standard: CAT5e Channel
 Date Tested: 04/07/03

Local Module Type: C5e Modular Plug
 Remote Module Type: C5e Modular Plug
 Serial Number: 9908220 V6.10D4
 Cable NVP: 72.00%

TEST SUMMARY: PASS

Length:	PASS	Limit: 328ft					
Delay:	PASS	Limit: 555ns					
Delay Skew:	PASS	Limit: 50ns					
Pair	Length	Delay	Delay Skew	Comments			
1, 2	321ft	454ns	1ns	OPEN			
3, 6	325ft	460ns	7ns	OPEN			
4, 5	321ft	453ns	0ns	OPEN			
7, 8	326ft	461ns	8ns	OPEN			
Attenuation:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Attenuation	dB	21.3	21.9	20.9	21.4		
Limit	dB	24.1	24.1	24.1	24.1		
Margin	dB	+2.8	+2.2	+3.2	+2.7		
Frequency	MHz	101.0	101.0	101.0	101.0		
Local NEXT:	PASS	12 / 36	12 / 45	12 / 78	36 / 45	36 / 78	45 / 78
		PASS	PASS	PASS	PASS	PASS	PASS
NEXT	dB	45.9	51.5	40.2	42.6	52.6	42.9
Limit	dB	36.0	46.2	35.8	34.3	44.5	33.8
Margin	dB	+9.9	+5.3	+4.4	+8.3	+8.1	+9.1
ACR	dB	32.2	45.3	26.5	27.6	45.5	27.0
Frequency	MHz	44.7	11.1	45.9	56.7	14.0	60.0
Remote Next:	PASS	12 / 36	12 / 45	12 / 78	36 / 45	36 / 78	45 / 78
		PASS	PASS	PASS	PASS	PASS	PASS
NEXT	dB	46.8	65.2	46.0	47.1	55.9	44.6
Limit	dB	36.2	57.5	40.8	33.1	44.5	33.8
Margin	dB	+10.6	+7.7	+5.2	+14.0	+11.4	+10.6
ACR	dB	33.3	62.2	36.6	30.9	48.8	28.7
Frequency	MHz	43.4	2.2	23.2	66.3	14.0	60.0
PSNEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	39.2	40.3	38.8	39.9		
Limit	dB	32.8	31.2	31.2	32.8		
Margin	dB	+6.4	+9.1	+7.6	+7.1		
Frequency	MHz	45.9	56.7	56.7	45.9		
Remote PSNEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	46.8	52.4	64.3	45.8		
Limit	dB	40.2	40.5	55.0	37.8		
Margin	dB	+6.6	+11.9	+9.3	+8.0		
Frequency	MHz	16.8	16.2	2.2	23.4		

Return Loss:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Return Loss	dB	14.6	14.6	21.4	20.1		
Limit	dB	10.5	10.0	17.0	17.0		
Margin	dB	+4.1	+4.6	+4.4	+3.1		
Frequency	MHz	89.1	100.1	1.4	1.4		
Rem Return Loss:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Return Loss	dB	13.9	16.2	16.9	22.2		
Limit	dB	10.0	10.0	10.3	17.0		
Margin	dB	+3.9	+6.2	+6.6	+5.2		
Frequency	MHz	100.1	100.1	92.0	1.2		
ELFEXT:	PASS	12 / 36	12 / 45	12 / 78	36 / 45	36 / 78	45 / 78
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.1	38.8	72.7	64.7	28.4	35.3
Limit	dB	50.2	19.6	55.3	50.6	17.7	17.4
Margin	dB	+15.9	+19.2	+17.4	+14.1	+10.7	+17.9
Frequency	MHz	2.2	77.1	1.2	2.1	96.3	99.4
		36 / 12	45 / 12	78 / 12	45 / 36	78 / 36	78 / 45
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.2	33.6	78.6	60.8	34.9	34.6
Limit	dB	49.9	17.4	57.0	47.1	22.7	18.9
Margin	dB	+16.3	+16.2	+21.6	+13.7	+12.2	+15.7
Frequency	MHz	2.3	99.6	1.0	3.2	54.0	83.0
Remote ELFEXT:	PASS	12 / 36	12 / 45	12 / 78	36 / 45	36 / 78	45 / 78
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.2	33.9	78.7	61.0	35.2	34.2
Limit	dB	49.9	17.4	57.0	47.1	22.7	18.9
Margin	dB	+16.3	+16.5	+21.7	+13.9	+12.5	+15.3
Frequency	MHz	2.3	99.6	1.0	3.2	54.0	83.0
		36 / 12	45 / 12	78 / 12	45 / 36	78 / 36	78 / 45
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.1	38.3	72.7	58.3	27.8	35.8
Limit	dB	50.2	19.6	55.3	44.5	17.7	17.4
Margin	dB	+15.9	+18.7	+17.4	+13.8	+10.1	+18.4
Frequency	MHz	2.2	77.1	1.2	4.3	96.3	99.4
PSELFEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	65.0	61.4	57.9	28.1		
Limit	dB	47.2	48.6	41.3	14.7		
Margin	dB	+17.8	+12.8	+16.6	+13.4		
Frequency	MHz	2.2	1.9	4.5	96.3		
Rem PSELFEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	69.1	51.5	47.0	29.9		
Limit	dB	52.3	39.7	30.9	15.9		
Margin	dB	+16.8	+11.8	+16.1	+14.0		
Frequency	MHz	1.2	5.4	14.8	83.2		