



Circuit ID: 1504-27E
 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	322ft	454ns	0ns	OPEN
3, 6	325ft	460ns	6ns	OPEN
4, 5	322ft	454ns	0ns	OPEN
7, 8	326ft	461ns	7ns	OPEN

Attenuation:	PASS	1, 2	3, 6	4, 5	7, 8
		PASS	PASS	PASS	PASS
Attenuation	dB	21.5	22.4	21.1	21.5
Limit	dB	24.1	24.1	24.1	24.1
Margin	dB	+2.6	+1.7	+3.0	+2.6
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	42.8	52.8	43.1
Limit	dB	36.0	46.2	35.9	34.3	44.5	33.8
Margin	dB	+9.9	+5.3	+4.3	+8.5	+8.3	+9.3
ACR	dB	32.1	45.3	26.8	27.8	45.7	27.4
Frequency	MHz	44.7	11.1	45.6	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	55.0	40.7	46.7	50.4	56.4	44.4
Limit	dB	44.7	33.4	40.8	36.7	44.5	33.8
Margin	dB	+10.3	+7.3	+5.9	+13.7	+11.9	+10.6
ACR	dB	47.9	24.8	37.5	38.0	49.3	28.7
Frequency	MHz	13.6	63.6	23.2	40.7	14.0	60.0

PSNEXT:	PASS	1, 2	3, 6	4, 5	7, 8
		PASS	PASS	PASS	PASS
Power Sum	dB	39.2	40.7	38.9	39.8
Limit	dB	32.8	31.2	31.2	32.8
Margin	dB	+6.4	+9.5	+7.7	+7.0
Frequency	MHz	45.6	56.7	56.7	45.9

Remote PSNEXT:	PASS	1, 2	3, 6	4, 5	7, 8
		PASS	PASS	PASS	PASS
Power Sum	dB	47.0	53.0	64.0	39.6
Limit	dB	40.2	41.6	55.0	30.8
Margin	dB	+6.8	+11.4	+9.0	+8.8
Frequency	MHz	16.8	13.9	2.2	60.3

Return Loss:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Return Loss	dB	14.7	13.8	21.1	20.1		
Limit	dB	10.5	9.9	17.0	17.0		
Margin	dB	+4.2	+3.9	+4.1	+3.1		
Frequency	MHz	89.3	100.5	1.4	1.4		
Rem Return Loss:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Return Loss	dB	14.2	16.5	23.8	21.6		
Limit	dB	10.0	10.0	17.0	17.0		
Margin	dB	+4.2	+6.5	+6.8	+4.6		
Frequency	MHz	99.9	100.1	1.3	1.2		
ELFEXT:	PASS	12 / 36	12 / 45	12 / 78	36 / 45	36 / 78	45 / 78
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.6	39.5	39.8	64.6	30.1	36.5
Limit	dB	50.2	19.6	17.9	50.6	18.4	17.4
Margin	dB	+16.4	+19.9	+21.9	+14.0	+11.7	+19.1
Frequency	MHz	2.2	76.9	94.0	2.1	88.8	99.4
		36 / 12	45 / 12	78 / 12	45 / 36	78 / 36	78 / 45
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	67.2	34.4	41.2	60.7	31.1	35.3
Limit	dB	50.2	17.8	17.7	47.1	18.9	18.9
Margin	dB	+17.0	+16.6	+23.5	+13.6	+12.2	+16.4
Frequency	MHz	2.2	94.7	96.0	3.2	83.4	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	67.1	34.6	41.3	60.9	31.8	35.0
Limit	dB	50.2	17.8	17.7	47.1	18.9	18.9
Margin	dB	+16.9	+16.8	+23.6	+13.8	+12.9	+16.1
Frequency	MHz	2.2	94.7	96.0	3.2	83.2	83.0
		36 / 12	45 / 12	78 / 12	45 / 36	78 / 36	78 / 45
		PASS	PASS	PASS	PASS	PASS	PASS
ELFEXT	dB	66.7	39.0	39.9	64.4	29.1	36.7
Limit	dB	50.2	19.6	17.9	50.6	18.3	17.4
Margin	dB	+16.5	+19.4	+22.0	+13.8	+10.8	+19.3
Frequency	MHz	2.2	76.9	94.0	2.1	89.1	99.6
PSELFEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	64.7	60.2	58.0	29.6		
Limit	dB	47.2	47.6	41.3	15.4		
Margin	dB	+17.5	+12.6	+16.7	+14.2		
Frequency	MHz	2.2	2.1	4.5	89.1		
Rem PSELFEXT:	PASS	1, 2	3, 6	4, 5	7, 8		
		PASS	PASS	PASS	PASS		
Power Sum	dB	65.1	52.7	60.0	30.3		
Limit	dB	47.2	39.7	44.1	15.9		
Margin	dB	+17.9	+13.0	+15.9	+14.4		
Frequency	MHz	2.2	5.4	3.2	83.2		