



Cable ID: NORTHBAY

Test Summary: PASS

Date / Time: 07/02/2014 12:01:15pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 26.6 dB (NEXT 12-36)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 45]	1
Prop. Delay (ns)	[Pair 12]	3
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 12]	7.3
Frequency (MHz)	[Pair 12]	10.3
Limit (dB)	[Pair 12]	7.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-36	12-45		
NEXT (dB)	26.6	26.8		
Freq. (MHz)	1.5	1.1		
Limit (dB)	57.5	59.7		



Cable ID: NB B18 A1

Test Summary: PASS

Date / Time: 07/02/2014 12:01:52pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 26.6 dB (NEXT 45-78)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 45]	1
Prop. Delay (ns)	[Pair 12]	3
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 36]	5.5
Frequency (MHz)	[Pair 36]	6.1
Limit (dB)	[Pair 36]	5.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	36-45		
NEXT (dB)	26.6	27.6		
Freq. (MHz)	1.6	1.0		
Limit (dB)	57.1	60.3		



Cable ID: NB B18 A2

Test Summary: PASS

Date / Time: 07/02/2014 12:02:33pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: **26.9 dB (NEXT 45-78)**

Software Version: 5.3

Main S/N: 6980825

Test Limit: **TIA Cat 5 Channel**

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 45]	1
Prop. Delay (ns)	[Pair 12]	3
Delay Skew (ns), Limit 50	[Pair 12]	1
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 12]	4.5
Frequency (MHz)	[Pair 12]	4.4
Limit (dB)	[Pair 12]	4.8

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-78		
NEXT (dB)	26.9	28.7		
Freq. (MHz)	1.2	1.0		
Limit (dB)	59.1	60.3		



Cable ID: NB B18 AUSB

Test Summary: PASS

Date / Time: 07/02/2014 12:03:01pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 13.8 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	35
Prop. Delay (ns)	[Pair 36]	54
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 12]	1.7
Impedance (ohms), Limit 80-120	[Pair 12]	115
Insertion Loss Margin (dB)	[Pair 45]	21.9
Frequency (MHz)	[Pair 45]	99.1
Limit (dB)	[Pair 45]	24.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	13.8	14.5		
Freq. (MHz)	73.1	79.1		
Limit (dB)	29.5	28.9		



Cable ID: NB B18 DLB

Test Summary: PASS

Date / Time: 07/02/2014 12:03:33pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 17.2 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns)	[Pair 36]	16
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 36]	0.4
Insertion Loss Margin (dB)	[Pair 45]	23.3
Frequency (MHz)	[Pair 45]	95.1
Limit (dB)	[Pair 45]	23.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	17.2	18.1		
Freq. (MHz)	71.1	39.9		
Limit (dB)	29.7	34.0		



Cable ID: NB B20 A2

Test Summary: PASS

Date / Time: 07/02/2014 12:42:19pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 27.0 dB (NEXT 12-78)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	1
Prop. Delay (ns)	[Pair 12]	2
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 36]	5.5
Frequency (MHz)	[Pair 36]	6.1
Limit (dB)	[Pair 36]	5.6

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78		
NEXT (dB)	27.9	27.0		
Freq. (MHz)	1.1	1.0		
Limit (dB)	59.7	60.3		



Cable ID: NB B20 A1

Test Summary: PASS

Date / Time: 07/02/2014 12:43:30pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 25.4 dB (NEXT 36-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	1
Prop. Delay (ns)	[Pair 12]	2
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 36]	6.0
Frequency (MHz)	[Pair 36]	7.4
Limit (dB)	[Pair 36]	6.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-78		
NEXT (dB)	25.4	26.8		
Freq. (MHz)	1.0	1.0		
Limit (dB)	60.3	60.3		



Cable ID: NB B20 DL

Test Summary: PASS

Date / Time: 07/02/2014 12:44:15pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: **14.9 dB (NEXT 36-78)**

Software Version: 5.3

Main S/N: 6980825

Test Limit: **TIA Cat 5 Channel**

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns)	[Pair 36]	15
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 36]	0.4
Insertion Loss Margin (dB)	[Pair 12]	22.9
Frequency (MHz)	[Pair 12]	92.3
Limit (dB)	[Pair 12]	23.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-78	36-78		
NEXT (dB)	14.9	15.7		
Freq. (MHz)	87.3	54.1		
Limit (dB)	28.2	31.7		



Cable ID: NB B20 AUDA

Test Summary: PASS

Date / Time: 07/02/2014 12:44:48pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 17.5 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	52
Prop. Delay (ns)	[Pair 36]	79
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 12]	2.7
Impedance (ohms), Limit 80-120	[Pair 12]	103
Insertion Loss Margin (dB)	[Pair 45]	21.0
Frequency (MHz)	[Pair 45]	99.3
Limit (dB)	[Pair 45]	24.4

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	18.5	17.5		
Freq. (MHz)	20.8	12.2		
Limit (dB)	38.8	42.6		



Cable ID: NB B20 TS

Test Summary: PASS

Date / Time: 07/02/2014 12:45:20pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: **15.5 dB (NEXT 12-45)**

Software Version: 5.3

Main S/N: 6980825

Test Limit: **TIA Cat 5 Channel**

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	14
Prop. Delay (ns)	[Pair 12]	20
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.6
Insertion Loss Margin (dB)	[Pair 45]	23.1
Frequency (MHz)	[Pair 45]	95.3
Limit (dB)	[Pair 45]	23.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	15.5	17.1		
Freq. (MHz)	64.2	42.3		
Limit (dB)	30.5	33.5		



Cable ID: NB B16 A2

Test Summary: PASS

Date / Time: 07/02/2014 05:26:18pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 27.8 dB (NEXT 12-36)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	1
Prop. Delay (ns)	[Pair 12]	2
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 45]	6.1
Frequency (MHz)	[Pair 45]	7.6
Limit (dB)	[Pair 45]	6.2

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-36		
NEXT (dB)	28.3	27.8		
Freq. (MHz)	1.0	1.1		
Limit (dB)	60.3	59.7		



Cable ID: NB B16 A1

Test Summary: PASS

Date / Time: 07/02/2014 05:27:50pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 25.4 dB (NEXT 36-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	1
Prop. Delay (ns)	[Pair 12]	2
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 12]	0.0
Insertion Loss Margin (dB)	[Pair 36]	8.0
Frequency (MHz)	[Pair 36]	11.7
Limit (dB)	[Pair 36]	8.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45		
NEXT (dB)	26.3	25.4		
Freq. (MHz)	1.2	1.1		
Limit (dB)	59.1	59.7		



Cable ID: NB B16 DL

Test Summary: PASS

Date / Time: 07/02/2014 07:13:02pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: **15.9 dB (NEXT 45-78)**

Software Version: 5.3

Main S/N: 6980825

Test Limit: **TIA Cat 5 Channel**

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	10
Prop. Delay (ns)	[Pair 12]	15
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 36]	0.4
Insertion Loss Margin (dB)	[Pair 12]	22.7
Frequency (MHz)	[Pair 12]	91.3
Limit (dB)	[Pair 12]	23.3

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-78	12-45		
NEXT (dB)	15.9	17.5		
Freq. (MHz)	39.9	59.4		
Limit (dB)	34.0	31.0		



Cable ID: NB B16 AUD

Test Summary: PASS

Date / Time: 07/02/2014 07:13:34pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 17.4 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	34
Prop. Delay (ns)	[Pair 45]	52
Delay Skew (ns), Limit 50	[Pair 45]	2
Resistance (ohms)	[Pair 12]	1.7
Impedance (ohms), Limit 80-120	[Pair 78]	105
Insertion Loss Margin (dB)	[Pair 36]	22.3
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.5

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	17.4	18.1		
Freq. (MHz)	33.2	55.6		
Limit (dB)	35.3	31.5		



Cable ID: NB B18 TS

Test Summary: PASS

Date / Time: 07/02/2014 07:14:10pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: **16.1 dB (NEXT 12-45)**

Software Version: 5.3

Main S/N: 6980825

Test Limit: **TIA Cat 5 Channel**

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	14
Prop. Delay (ns)	[Pair 36]	21
Delay Skew (ns), Limit 50	[Pair 36]	1
Resistance (ohms)	[Pair 12]	0.6
Insertion Loss Margin (dB)	[Pair 12]	23.1
Frequency (MHz)	[Pair 12]	95.7
Limit (dB)	[Pair 12]	23.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78		
NEXT (dB)	16.1	18.7		
Freq. (MHz)	33.4	26.6		
Limit (dB)	35.3	37.0		



Cable ID: NB B18 AUSB

Test Summary: PASS

Date / Time: 07/02/2014 07:14:39pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 15.6 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	51
Prop. Delay (ns)	[Pair 36]	77
Delay Skew (ns), Limit 50	[Pair 36]	2
Resistance (ohms)	[Pair 12]	2.7
Impedance (ohms), Limit 80-120	[Pair 12]	103
Insertion Loss Margin (dB)	[Pair 36]	20.9
Frequency (MHz)	[Pair 36]	96.8
Limit (dB)	[Pair 36]	24.1

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	45-78		
NEXT (dB)	15.6	16.7		
Freq. (MHz)	34.4	39.8		
Limit (dB)	35.1	34.0		



Cable ID: NB B18 DLB

Test Summary: PASS

Date / Time: 07/02/2014 07:15:12pm

Operator: TIM INGRAM

Model: DSP-2000

Headroom: 14.2 dB (NEXT 12-45)

Software Version: 5.3

Main S/N: 6980825

Test Limit: TIA Cat 5 Channel

Limits Version: 5.3

Cable Type: UTP 100 Ohm Cat 5

NVP: 69.0%

Fault Anomaly Threshold: 15%

Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8

Length (ft), Limit 328	[Pair 12]	11
Prop. Delay (ns)	[Pair 12]	16
Delay Skew (ns), Limit 50	[Pair 12]	0
Resistance (ohms)	[Pair 45]	0.5
Insertion Loss Margin (dB)	[Pair 45]	23.3
Frequency (MHz)	[Pair 45]	95.4
Limit (dB)	[Pair 45]	23.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45		
NEXT (dB)	14.2	16.1		
Freq. (MHz)	89.9	98.1		
Limit (dB)	28.0	27.3		