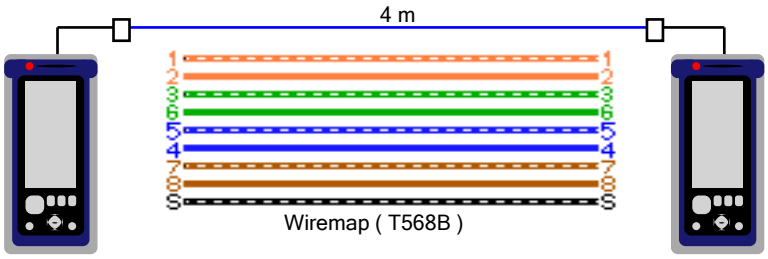
Copper Certification Report

Pass

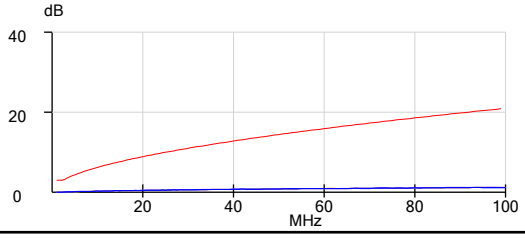
Site : BTS SN
Operator : gege four
Cable Label : C-4

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:14:11
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

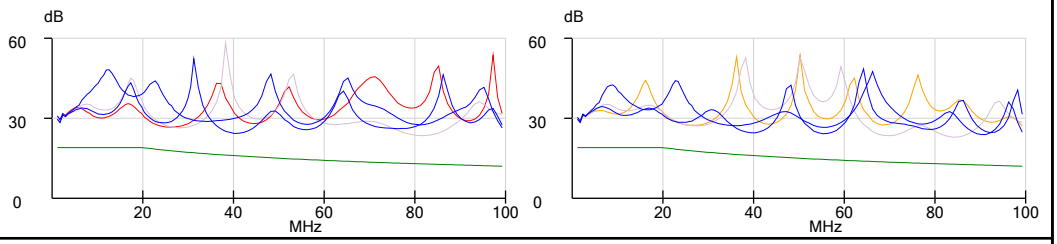
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	20,2
Margin (dB) :	3,0	18,9
Frequency (MHz) :	1,00	93,25



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	31,0	498,0	467,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,1	21,0	18,9

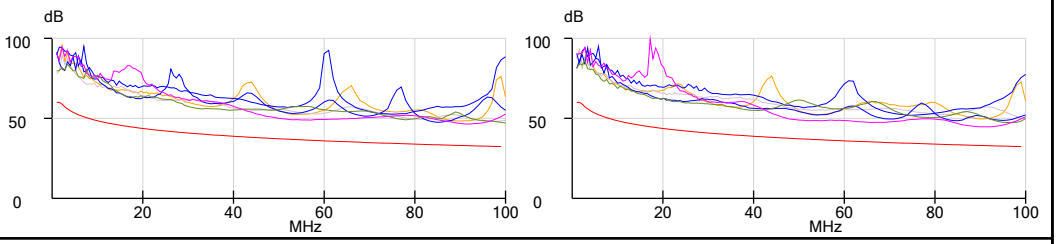
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	24,3	24,6
Limit (dB) :	16,0	16,1
Margin (dB) :	8,3	8,5
Frequency (MHz) :	40,25	39,25



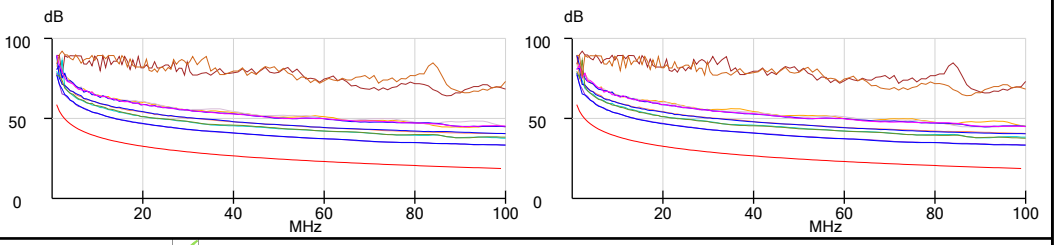
NEXT :

	Local :	Remote :
Worst Pair :	45-78	45-78
Value (dB) :	49,1	48,5
Limit (dB) :	36,8	37,1
Margin (dB) :	12,3	11,4
Frequency (MHz) :	53,00	51,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,3	65,3
Limit (dB) :	51,8	51,8
Margin (dB) :	13,5	13,5
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	46,8	46,4
Limit (dB) :	33,8	33,9
Margin (dB) :	13,0	12,5
Frequency (MHz) :	53,00	52,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	64,2	65,7
Limit (dB) :	48,8	50,8
Margin (dB) :	15,4	14,9
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

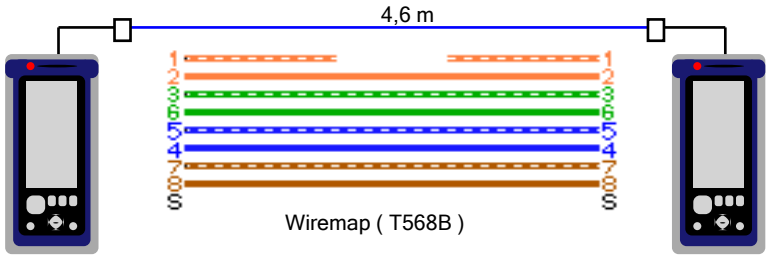
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	C-3

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:13:36
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

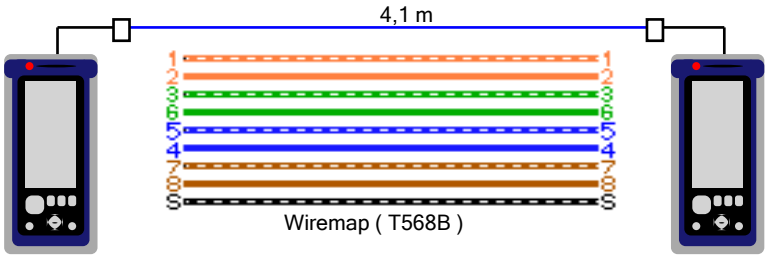
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

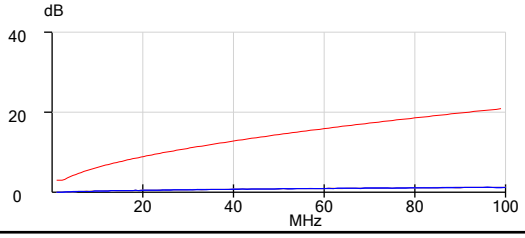
Site : BTS SN
Operator : gege four
Cable Label : C-2

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:12:24
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

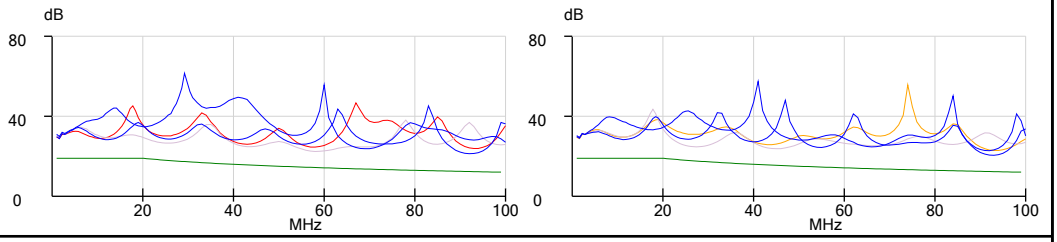
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	19,7
Margin (dB) :	3,0	18,4
Frequency (MHz) :	1,00	89,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	31,0	498,0	467,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,1	21,0	18,9

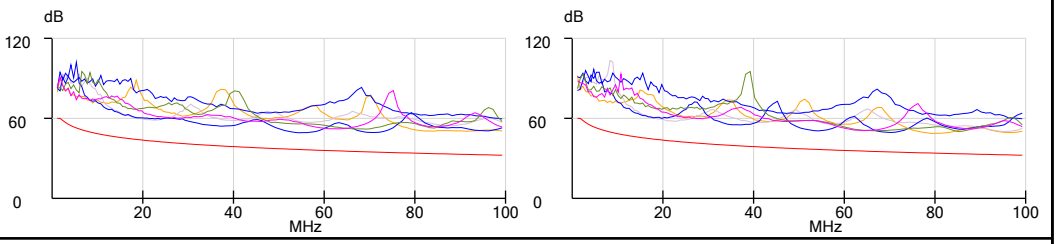
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	22,4	24,7
Limit (dB) :	14,4	17,8
Margin (dB) :	8,0	6,9
Frequency (MHz) :	58,00	26,65



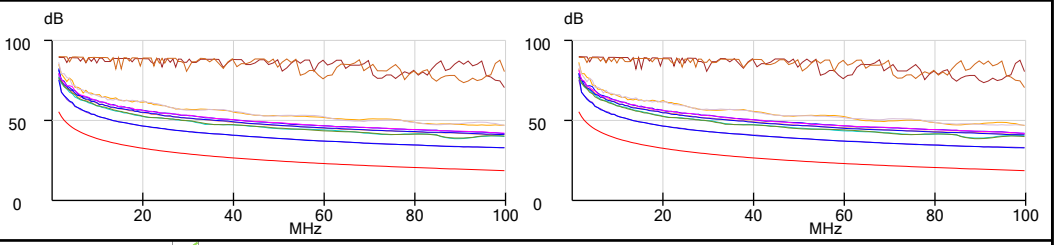
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	49,2	50,6
Limit (dB) :	36,7	36,7
Margin (dB) :	12,5	13,9
Frequency (MHz) :	54,25	54,00



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,3	65,3
Limit (dB) :	51,8	51,8
Margin (dB) :	13,5	13,5
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	47,7	55,8
Limit (dB) :	33,4	40,8
Margin (dB) :	14,3	15,0
Frequency (MHz) :	56,25	19,60

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	32,6	64,3
Limit (dB) :	16,9	48,8
Margin (dB) :	15,7	15,5
Frequency (MHz) :	86,50	2,20

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

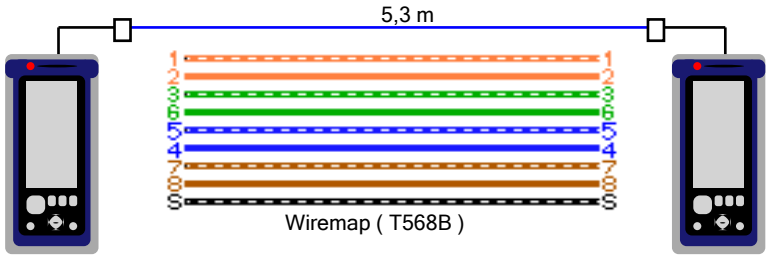
Reporting Software : 6.2.7

Copper Certification Report

Pass*

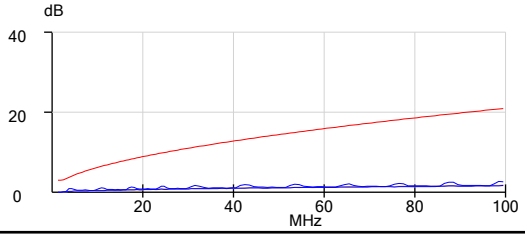
Site : BTS SN
Operator : gege four
Cable Label : -9

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 09:52:14
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

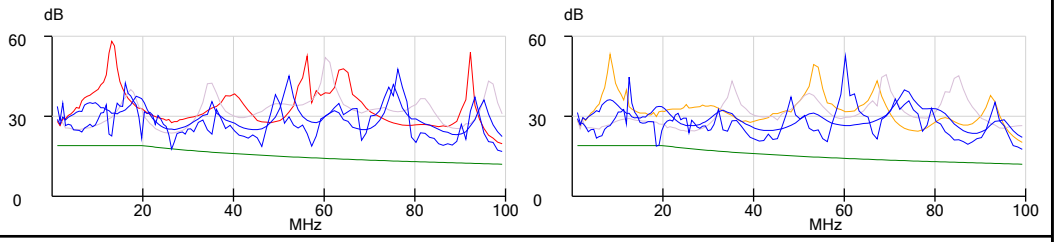
	Worst Margin :	Worst Value :
Worst Pair :	45	45
Value (dB) :	0,9	2,7
Limit (dB) :	3,7	20,8
Margin (dB) :	2,8	18,1
Frequency (MHz) :	3,70	98,50



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	39,0	498,0	459,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	2,4	21,0	18,6

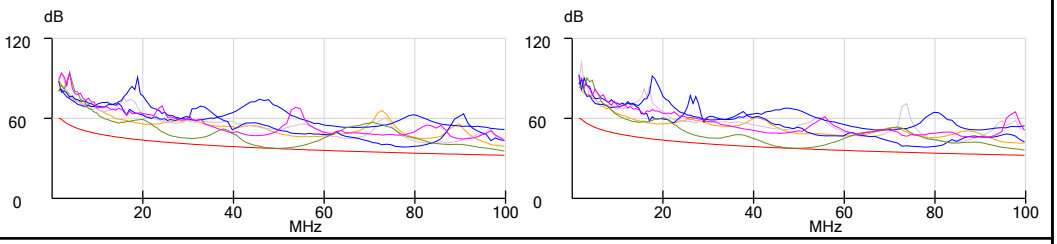
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	17,7	18,8
Limit (dB) :	17,8	19,0
Margin (dB) :	-0,1	-0,2
Frequency (MHz) :	26,35	18,55



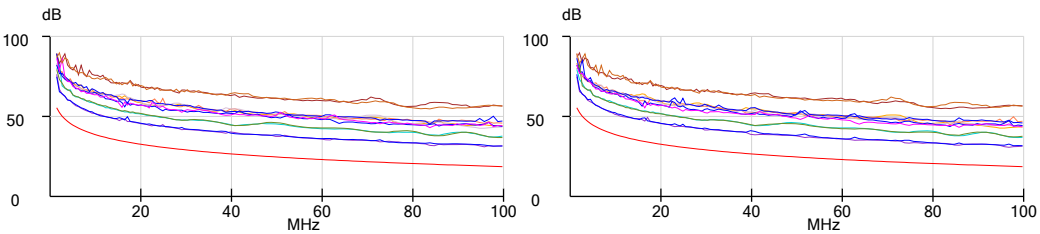
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	37,5	37,6
Limit (dB) :	37,3	37,5
Margin (dB) :	0,2	0,1
Frequency (MHz) :	49,75	48,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	31,7	30,3
Limit (dB) :	20,1	18,7
Margin (dB) :	11,6	11,7
Frequency (MHz) :	84,75	98,50



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	37,1	37,2
Limit (dB) :	34,3	34,5
Margin (dB) :	2,8	2,7
Frequency (MHz) :	49,25	48,25

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	31,3	31,5
Limit (dB) :	17,1	17,2
Margin (dB) :	14,2	14,3
Frequency (MHz) :	84,75	83,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

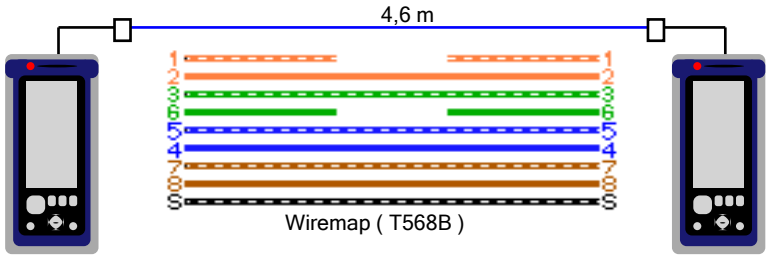
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	C-1

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:11:47
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

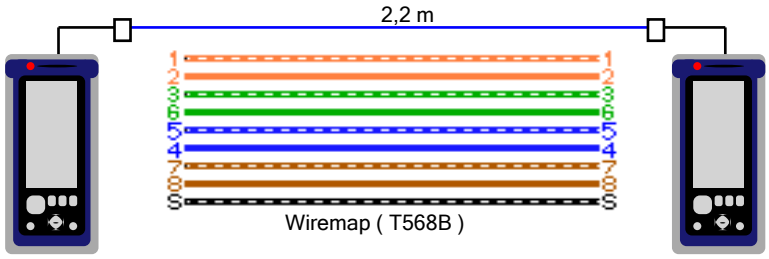
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

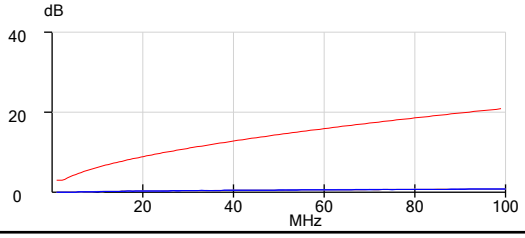
Site : BTS SN
Operator : gege four
Cable Label : C-5

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:14:44
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

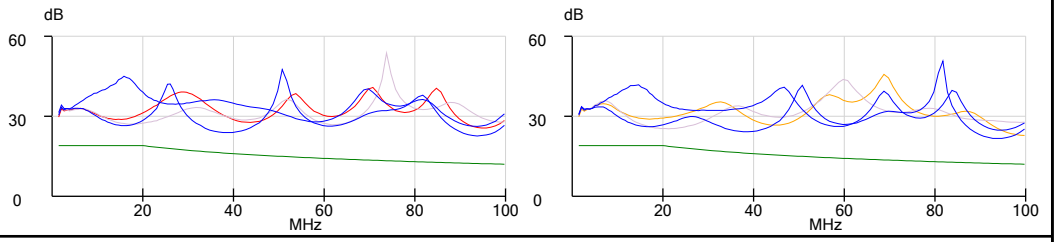
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	0,9
Limit (dB) :	3,0	19,6
Margin (dB) :	3,0	18,7
Frequency (MHz) :	1,00	88,50



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	20,0	498,0	478,0
Delay Skew (ns):	0,0	44,0	44,0
Resistance (Ohm):	1,9	21,0	19,1

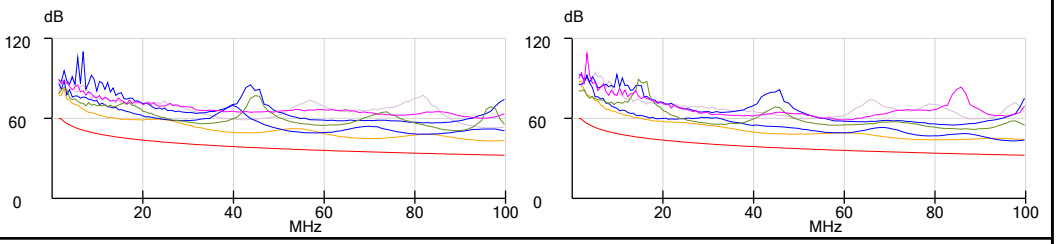
Return Loss :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	26,5	25,4
Limit (dB) :	19,0	19,0
Margin (dB) :	7,5	6,4
Frequency (MHz) :	15,10	19,30



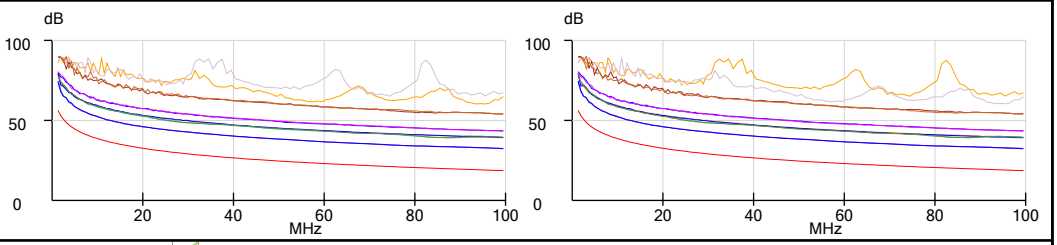
NEXT :

	Local :	Remote :
Worst Pair :	12-36	12-36
Value (dB) :	44,8	44,1
Limit (dB) :	34,9	34,3
Margin (dB) :	9,9	9,8
Frequency (MHz) :	69,75	75,50



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	64,7	64,7
Limit (dB) :	51,8	51,8
Margin (dB) :	12,9	12,9
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	44,6	41,8
Limit (dB) :	32,6	31,1
Margin (dB) :	12,0	10,7
Frequency (MHz) :	63,00	78,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	63,5	49,2
Limit (dB) :	48,8	34,0
Margin (dB) :	14,7	15,2
Frequency (MHz) :	2,20	12,10

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

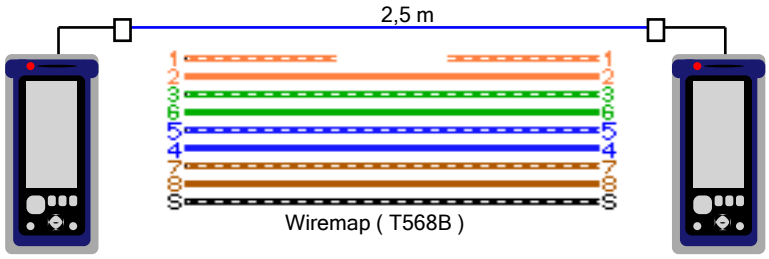
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	C-6

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:15:12
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

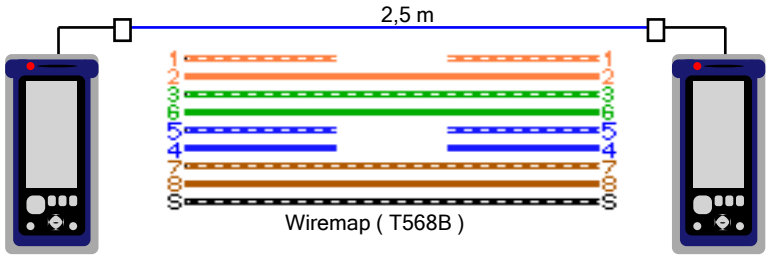
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Fail

Site : BTS SN
Operator : gege four
Cable Label : C-7

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:15:43
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

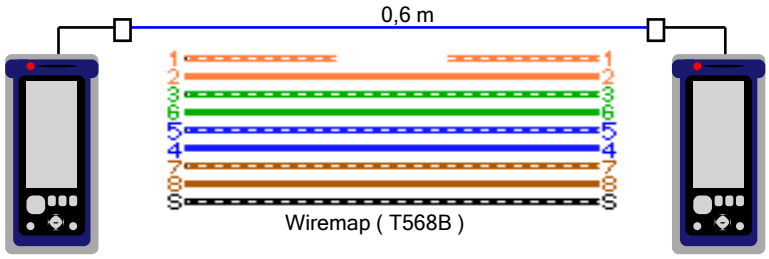
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	C-8

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:16:15
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

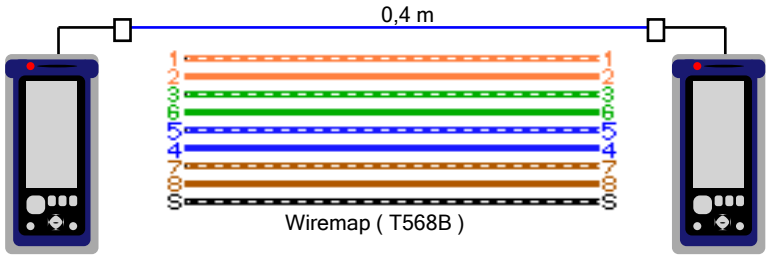
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

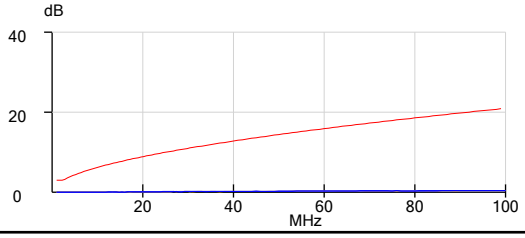
Site : BTS SN
Operator : gege four
Cable Label : C-9

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:16:42
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

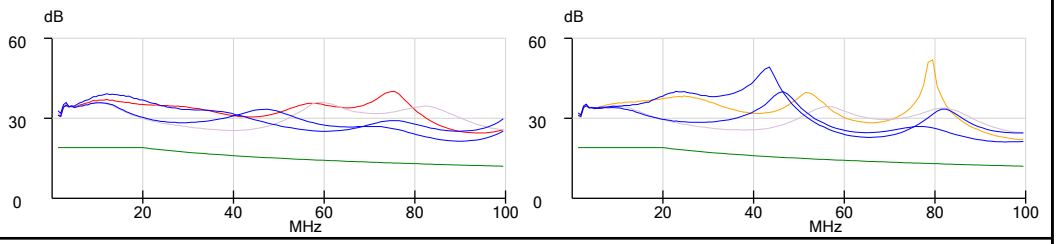
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,0	0,4
Limit (dB) :	3,0	21,0
Margin (dB) :	3,0	20,6
Frequency (MHz) :	1,00	100,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	10,0	498,0	488,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	1,7	21,0	19,3

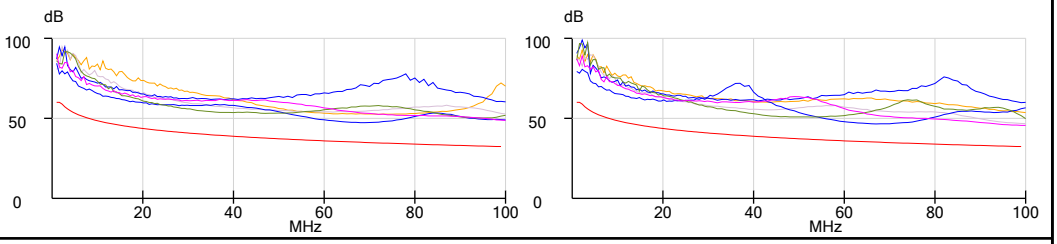
Return Loss :

	Local :	Remote :
Worst Pair :	45	78
Value (dB) :	21,5	22,9
Limit (dB) :	12,6	14,0
Margin (dB) :	8,9	8,9
Frequency (MHz) :	88,00	63,75



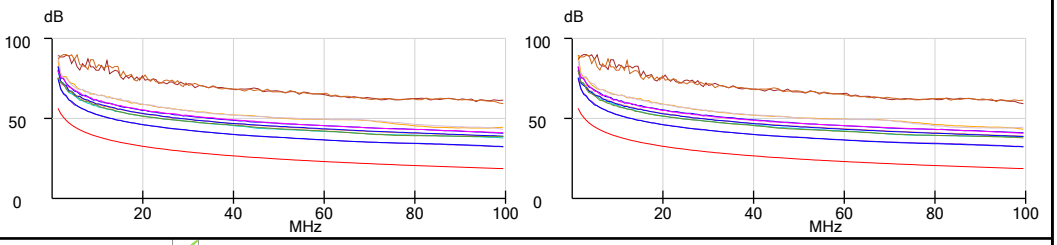
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	47,5	46,6
Limit (dB) :	35,3	35,3
Margin (dB) :	12,2	11,3
Frequency (MHz) :	66,00	65,50



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	64,7	64,7
Limit (dB) :	51,8	51,8
Margin (dB) :	12,9	12,9
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	45,7	44,9
Limit (dB) :	32,1	32,2
Margin (dB) :	13,6	12,7
Frequency (MHz) :	68,00	67,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,4	38,6
Limit (dB) :	48,8	23,6
Margin (dB) :	14,6	15,0
Frequency (MHz) :	2,20	40,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

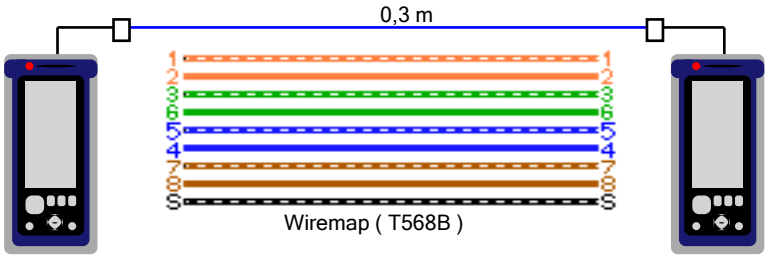
Reporting Software : 6.2.7

Copper Certification Report

Pass

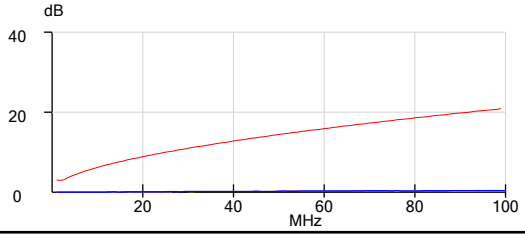
Site :	BTS SN
Operator :	gege four
Cable Label :	C-10

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:17:07
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

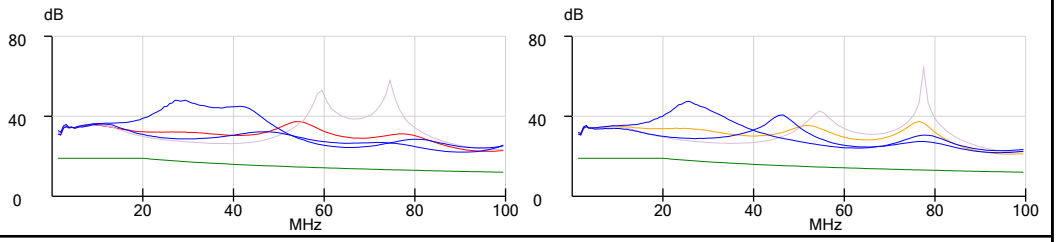
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	0,5
Limit (dB) :	3,0	20,2
Margin (dB) :	3,0	19,7
Frequency (MHz) :	1,00	93,50



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	9,0	498,0	489,0
Delay Skew (ns):	0,0	44,0	44,0
Resistance (Ohm):	1,7	21,0	19,3

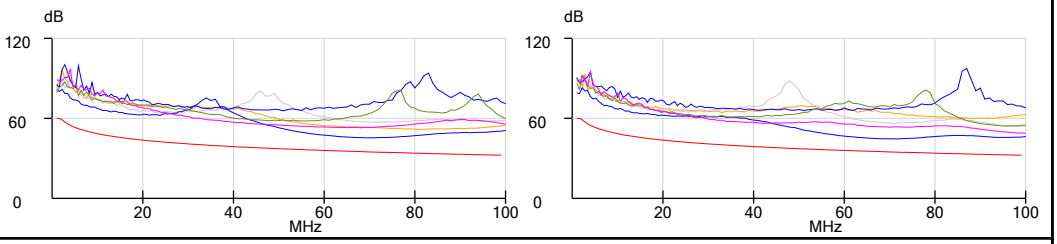
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	22,2	21,2
Limit (dB) :	12,6	12,3
Margin (dB) :	9,6	8,9
Frequency (MHz) :	88,00	94,25



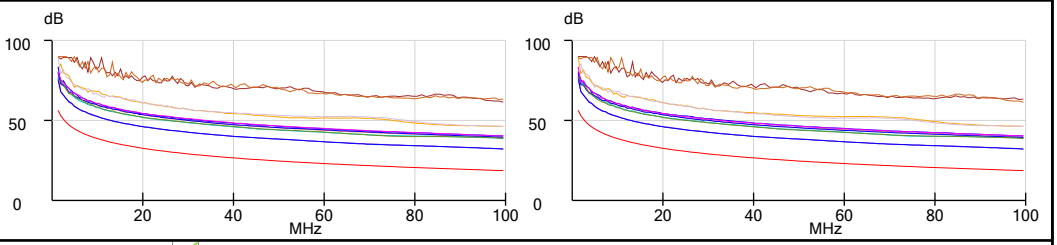
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	45,6	44,7
Limit (dB) :	35,2	35,1
Margin (dB) :	10,4	9,6
Frequency (MHz) :	67,00	67,50



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,0	65,0
Limit (dB) :	51,8	51,8
Margin (dB) :	13,2	13,2
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	44,9	44,2
Limit (dB) :	32,4	32,3
Margin (dB) :	12,5	11,9
Frequency (MHz) :	65,00	66,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,3	65,9
Limit (dB) :	48,8	50,8
Margin (dB) :	14,5	15,1
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

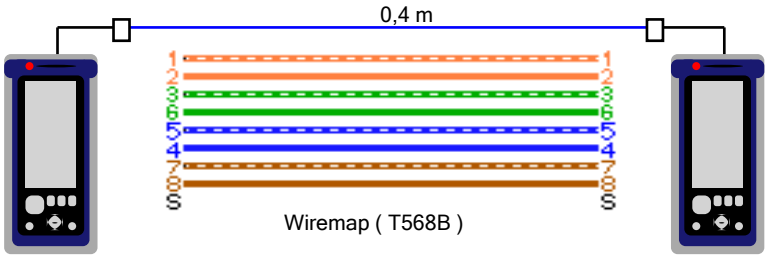
Reporting Software : 6.2.7

Copper Certification Report

Pass

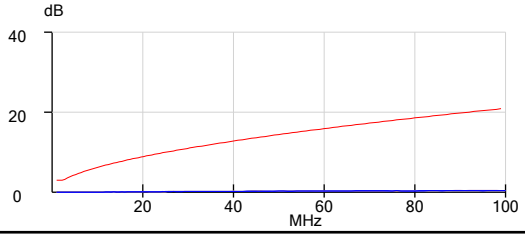
Site :	BTS SN
Operator :	gege four
Cable Label :	C-11

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:17:34
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

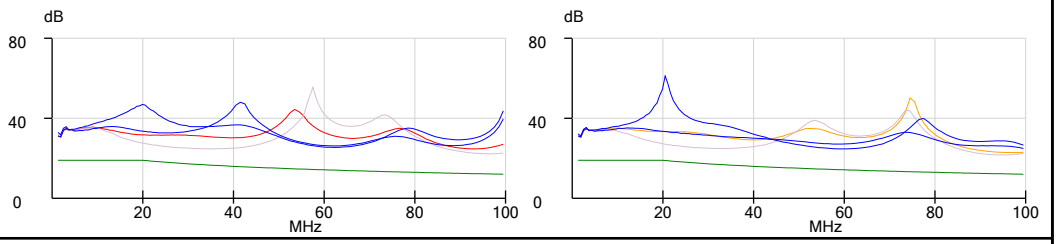
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	0,5
Limit (dB) :	3,0	19,7
Margin (dB) :	3,0	19,2
Frequency (MHz) :	1,00	89,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	10,0	498,0	488,0
Delay Skew (ns):	0,0	44,0	44,0
Resistance (Ohm):	1,7	21,0	19,3

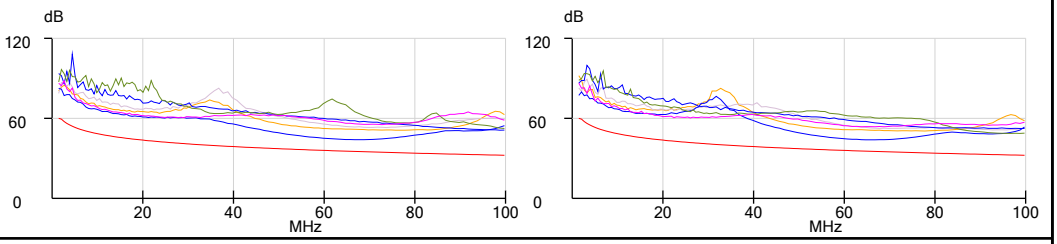
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,4	25,3
Limit (dB) :	17,7	17,7
Margin (dB) :	7,7	7,6
Frequency (MHz) :	27,10	27,10



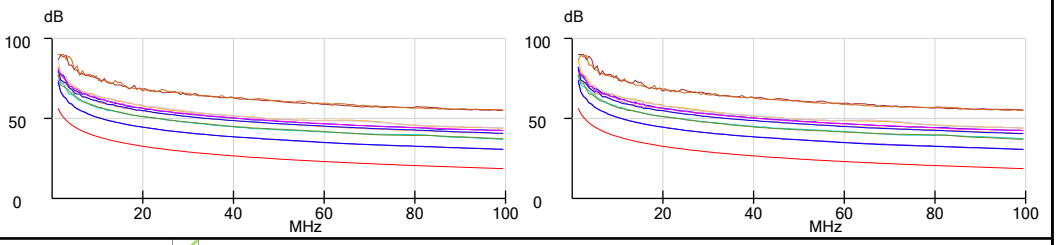
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	44,1	44,3
Limit (dB) :	35,4	35,8
Margin (dB) :	8,7	8,5
Frequency (MHz) :	64,75	61,50



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	63,4	33,6
Limit (dB) :	51,8	22,0
Margin (dB) :	11,6	11,6
Frequency (MHz) :	2,20	68,00



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	43,6	43,3
Limit (dB) :	32,6	32,7
Margin (dB) :	11,0	10,6
Frequency (MHz) :	63,00	62,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	44,3	64,3
Limit (dB) :	30,5	50,8
Margin (dB) :	13,8	13,5
Frequency (MHz) :	18,10	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

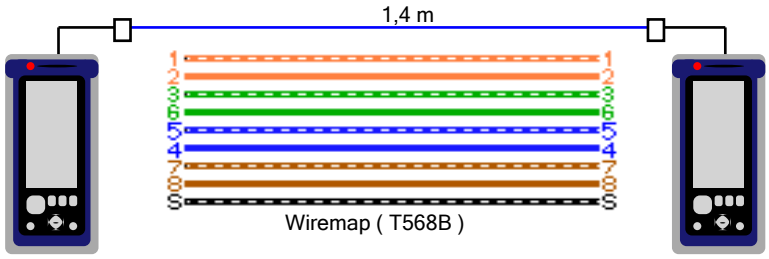
Reporting Software : 6.2.7

Copper Certification Report

Pass

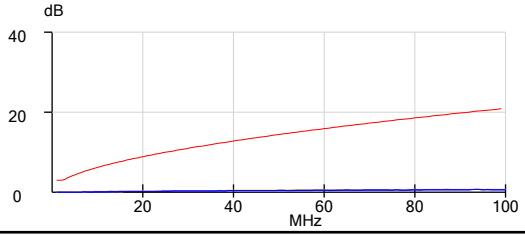
Site : BTS SN
Operator : gege four
Cable Label : C-12

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:18:18
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

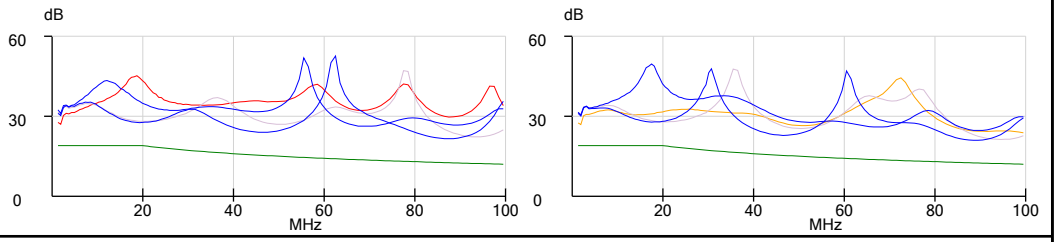
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,0	0,8
Limit (dB) :	3,0	20,6
Margin (dB) :	3,0	19,8
Frequency (MHz) :	1,00	96,50



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	16,0	498,0	482,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	3,9	21,0	17,1

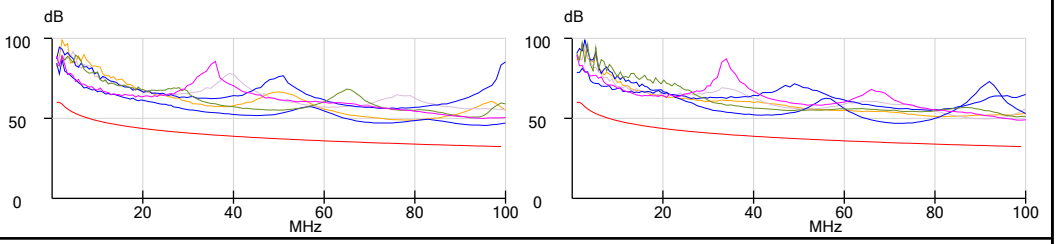
Return Loss :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	27,0	22,8
Limit (dB) :	19,0	15,3
Margin (dB) :	8,0	7,5
Frequency (MHz) :	1,90	46,50



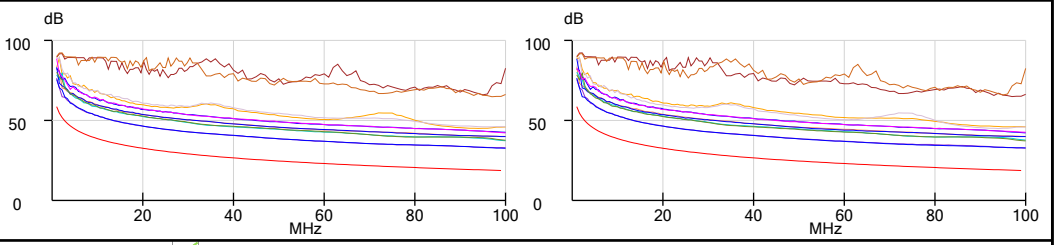
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	47,1	46,9
Limit (dB) :	34,7	34,7
Margin (dB) :	12,4	12,2
Frequency (MHz) :	71,00	71,00



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	64,8	64,8
Limit (dB) :	51,8	51,8
Margin (dB) :	13,0	13,0
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	44,6	45,6
Limit (dB) :	31,4	31,8
Margin (dB) :	13,2	13,8
Frequency (MHz) :	74,75	70,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,6	66,0
Limit (dB) :	48,8	50,8
Margin (dB) :	14,8	15,2
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

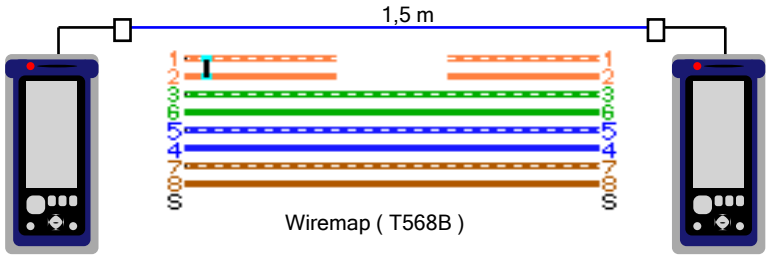
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	C-13

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:18:49
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

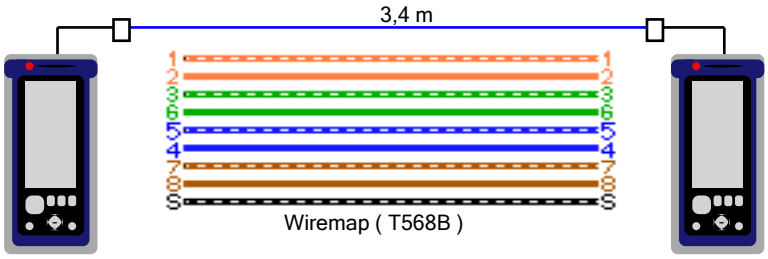
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

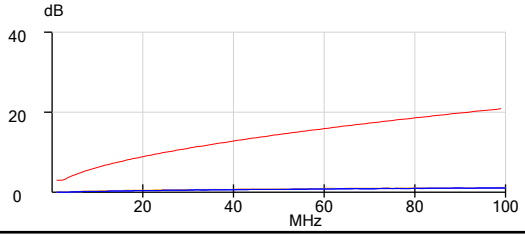
Site : BTS SN
Operator : gege four
Cable Label : C-14

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 13:20:08
Cable Name : CAT 5e UTP
Connector Name : UTP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

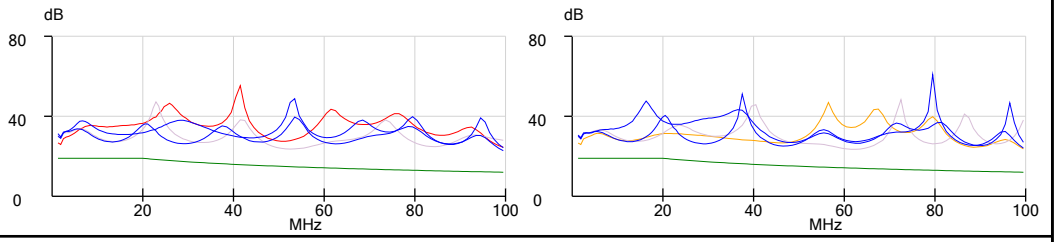
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,0	1,2
Limit (dB) :	3,0	21,0
Margin (dB) :	3,0	19,8
Frequency (MHz) :	1,00	100,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	27,0	498,0	471,0
Delay Skew (ns):	0,0	44,0	44,0
Resistance (Ohm):	5,1	21,0	15,9

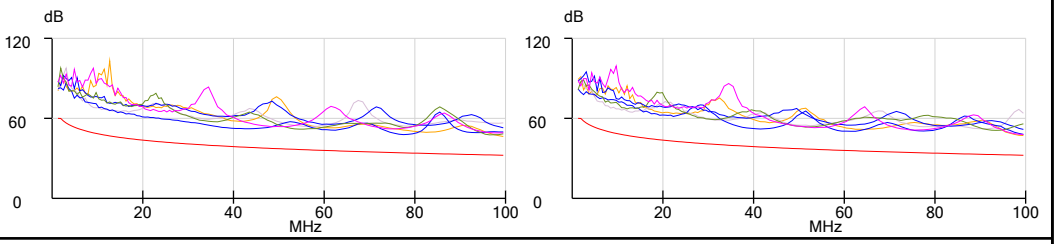
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	25,9	25,9
Limit (dB) :	19,0	19,0
Margin (dB) :	6,9	6,9
Frequency (MHz) :	1,90	1,90



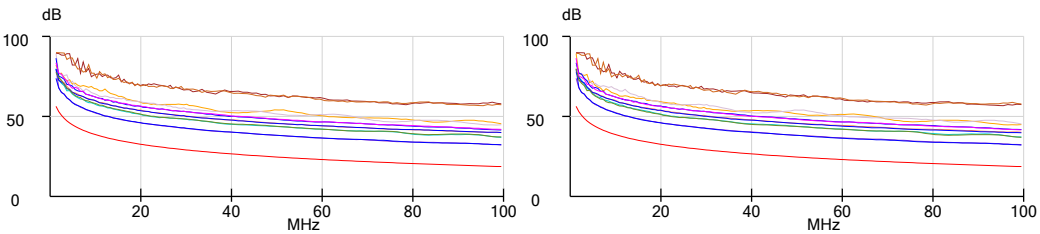
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	52,6	52,0
Limit (dB) :	38,9	38,7
Margin (dB) :	13,7	13,3
Frequency (MHz) :	39,50	40,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	64,8	64,8
Limit (dB) :	51,8	51,8
Margin (dB) :	12,9	13,0
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	43,1	44,0
Limit (dB) :	29,4	29,3
Margin (dB) :	13,7	14,7
Frequency (MHz) :	99,25	99,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,5	65,5
Limit (dB) :	48,8	50,8
Margin (dB) :	14,7	14,7
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

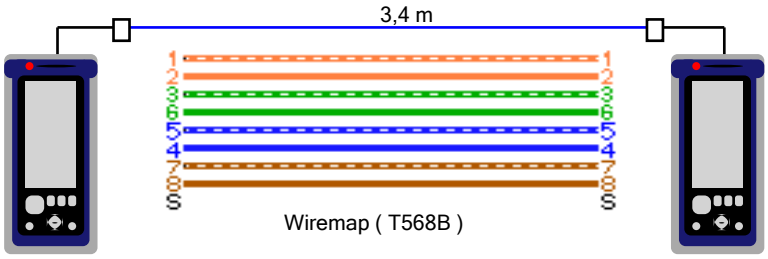
Reporting Software : 6.2.7

Copper Certification Report

Pass

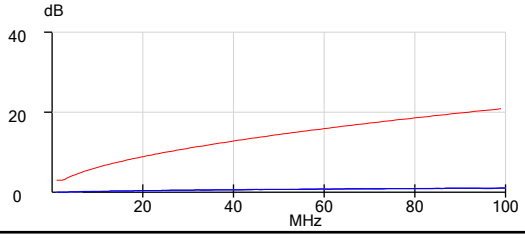
Site :	BTS SN
Operator :	gege four
Cable Label :	C-15

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:20:35
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

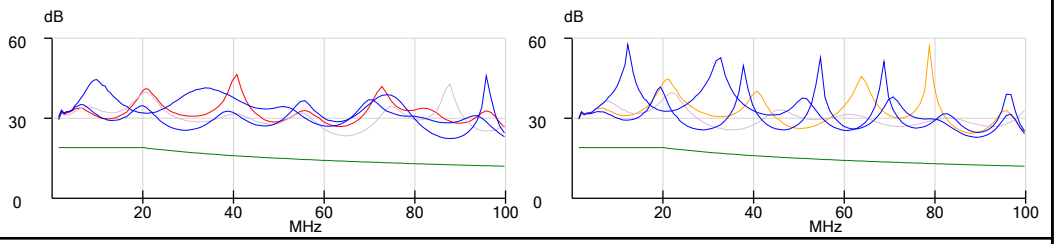
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,0	1,1
Limit (dB) :	3,0	21,0
Margin (dB) :	3,0	19,9
Frequency (MHz) :	1,00	100,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	27,0	498,0	471,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,1	21,0	18,9

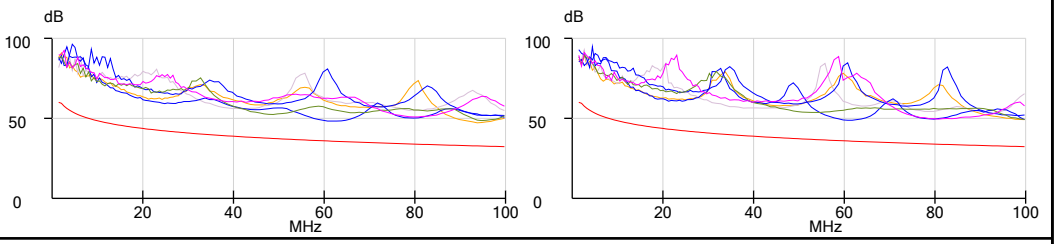
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	25,6	25,8
Limit (dB) :	17,5	17,6
Margin (dB) :	8,1	8,2
Frequency (MHz) :	28,45	27,55



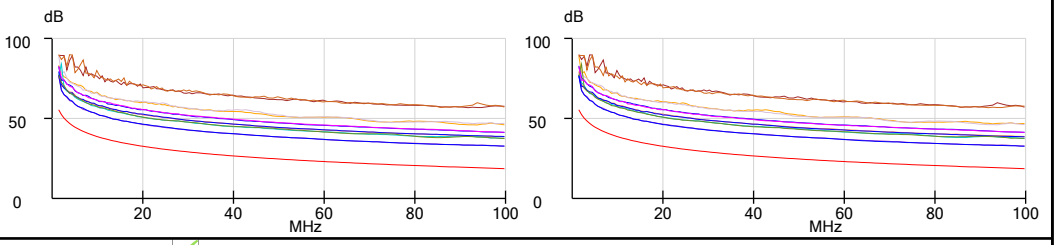
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	48,3	48,8
Limit (dB) :	35,9	35,9
Margin (dB) :	12,4	12,9
Frequency (MHz) :	60,75	60,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	66,7	66,7
Limit (dB) :	53,8	53,8
Margin (dB) :	12,9	12,9
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	47,1	48,0
Limit (dB) :	32,7	33,0
Margin (dB) :	14,4	15,0
Frequency (MHz) :	62,25	59,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,5	64,9
Limit (dB) :	48,8	50,8
Margin (dB) :	14,7	14,1
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

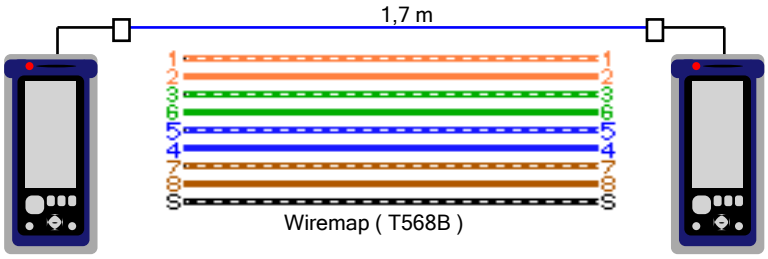
Reporting Software : 6.2.7

Copper Certification Report

Pass

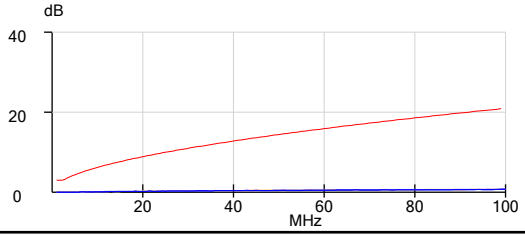
Site :	BTS SN
Operator :	gege four
Cable Label :	C-16

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 13:23:03
Cable Name :	CAT 5e UTP
Connector Name :	UTP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

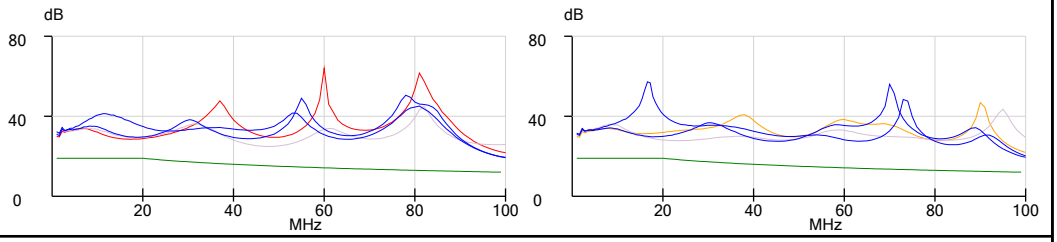
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,0	0,8
Limit (dB) :	3,0	21,0
Margin (dB) :	3,0	20,2
Frequency (MHz) :	1,00	100,00



	Value	Limit	Margin
Cable NVP :	60,0		
Propagation Delay (ns):	17,0	498,0	481,0
Delay Skew (ns):	0,0	44,0	44,0
Resistance (Ohm):	1,9	21,0	19,1

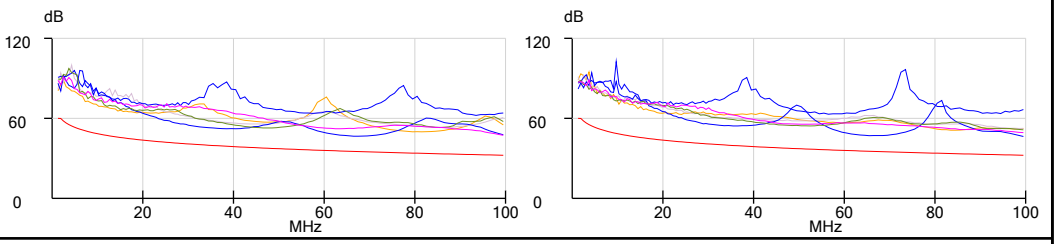
Return Loss :

	Local :	Remote :
Worst Pair :	78	45
Value (dB) :	19,3	19,5
Limit (dB) :	12,0	12,0
Margin (dB) :	7,3	7,5
Frequency (MHz) :	100,00	100,00



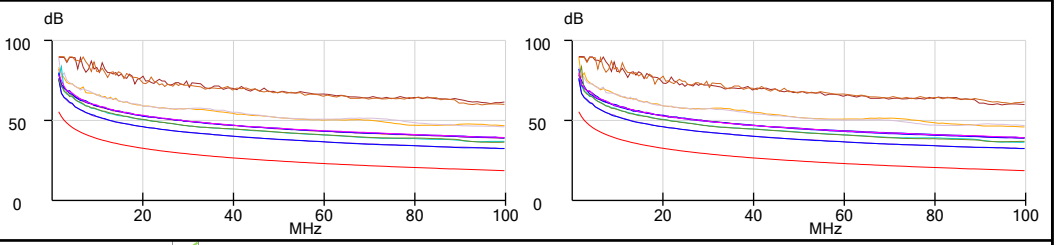
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	46,6	47,1
Limit (dB) :	35,2	35,4
Margin (dB) :	11,4	11,7
Frequency (MHz) :	66,50	64,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	64,7	64,7
Limit (dB) :	51,8	51,8
Margin (dB) :	12,9	12,9
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	45,4	46,5
Limit (dB) :	32,2	32,4
Margin (dB) :	13,2	14,1
Frequency (MHz) :	66,50	64,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,2	65,2
Limit (dB) :	48,8	50,8
Margin (dB) :	14,4	14,4
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

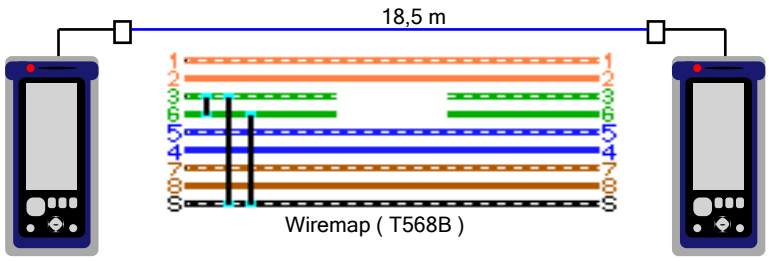
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	S-1

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:25:55
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23 Signature :

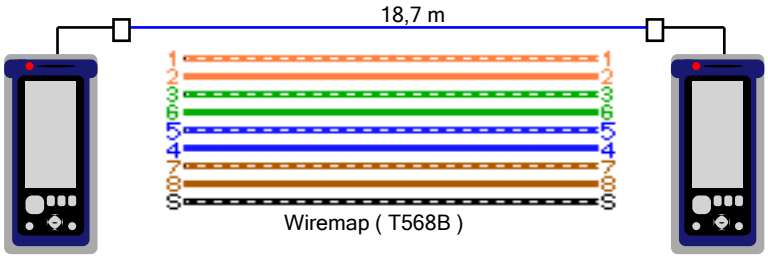
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

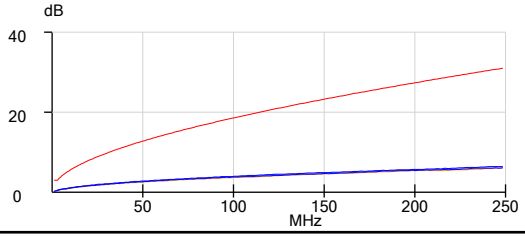
Site :	BTS SN
Operator :	gege four
Cable Label :	S-2

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:26:27
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

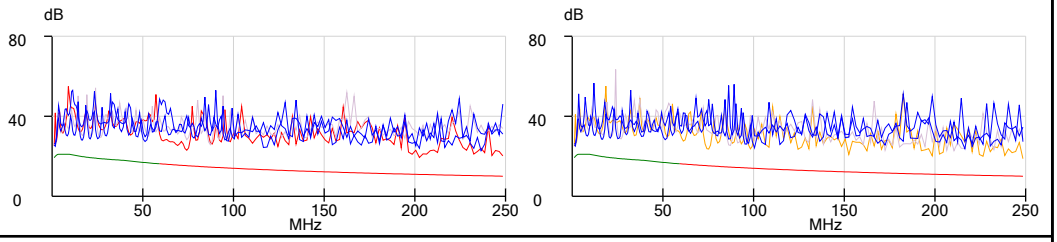
	Worst Margin :	Worst Value :
Worst Pair :	36	45
Value (dB) :	0,5	6,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,5	24,7
Frequency (MHz) :	2,95	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	115,0	498,0	383,0
Delay Skew (ns):	12,0	44,0	32,0
Resistance (Ohm):	4,3	21,0	16,7

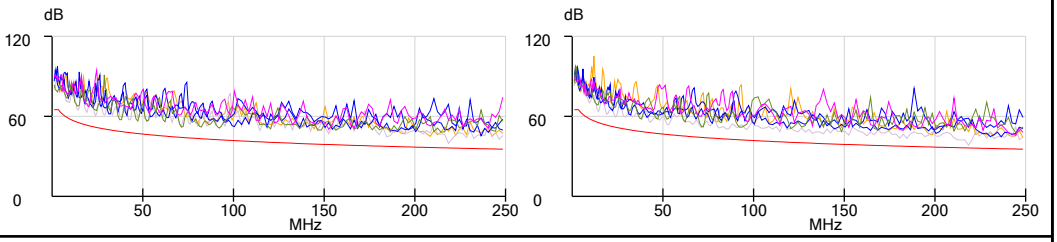
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	23,0	23,5
Limit (dB) :	15,3	15,3
Margin (dB) :	7,7	8,2
Frequency (MHz) :	74,25	74,75



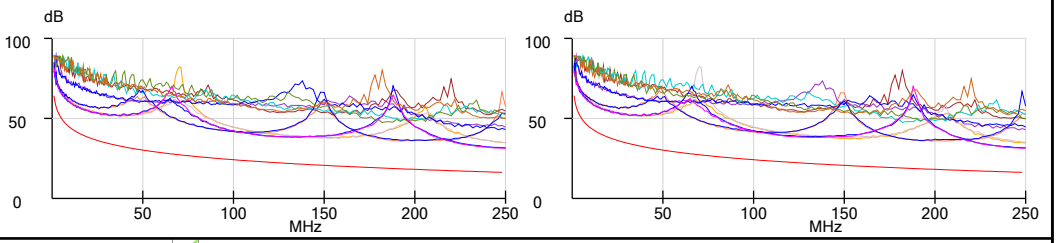
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	39,7	38,4
Limit (dB) :	36,3	36,3
Margin (dB) :	3,4	2,1
Frequency (MHz) :	218,50	218,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	67,7	66,1
Limit (dB) :	53,2	51,8
Margin (dB) :	14,4	14,3
Frequency (MHz) :	3,55	4,15



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	39,2	37,9
Limit (dB) :	33,7	33,7
Margin (dB) :	5,5	4,2
Frequency (MHz) :	218,50	218,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	75,6	71,1
Limit (dB) :	61,2	56,3
Margin (dB) :	14,4	14,8
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

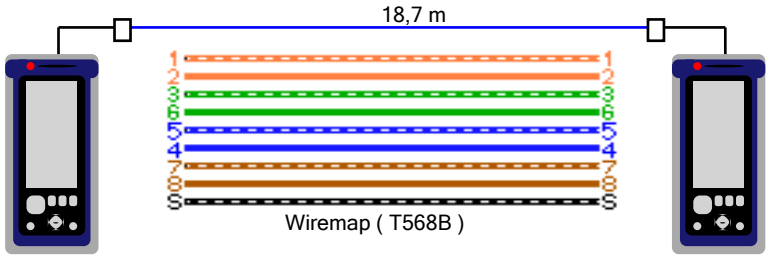
Reporting Software : 6.2.7

Copper Certification Report

Pass

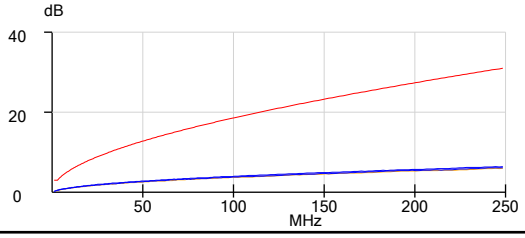
Site : BTS SN
Operator : gege four
Cable Label : S-3

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:26:59
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

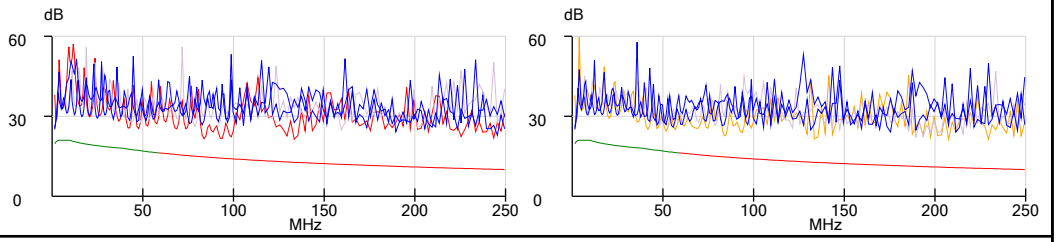
	Worst Margin :	Worst Value :
Worst Pair :	36	45
Value (dB) :	0,5	6,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,5	24,7
Frequency (MHz) :	2,95	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	114,0	498,0	384,0
Delay Skew (ns):	11,0	44,0	33,0
Resistance (Ohm):	4,8	21,0	16,2

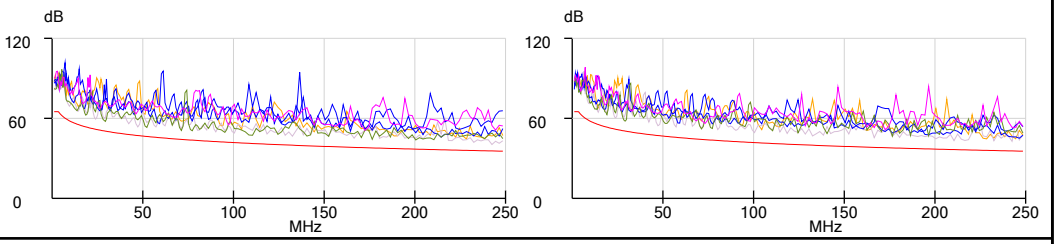
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	21,6	20,1
Limit (dB) :	14,8	12,7
Margin (dB) :	6,8	7,4
Frequency (MHz) :	83,75	134,50



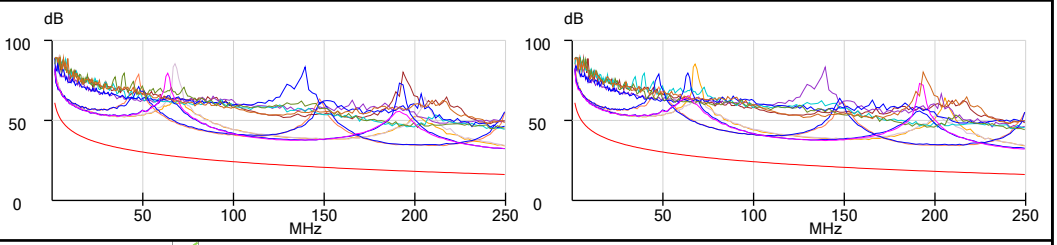
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	40,4	45,5
Limit (dB) :	35,6	39,8
Margin (dB) :	4,8	5,7
Frequency (MHz) :	242,50	133,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	68,3	68,2
Limit (dB) :	53,2	53,2
Margin (dB) :	15,0	15,0
Frequency (MHz) :	3,55	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	39,4	44,7
Limit (dB) :	32,9	37,2
Margin (dB) :	6,5	7,5
Frequency (MHz) :	242,50	133,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	75,7	65,1
Limit (dB) :	61,2	50,2
Margin (dB) :	14,5	14,9
Frequency (MHz) :	1,00	3,55

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

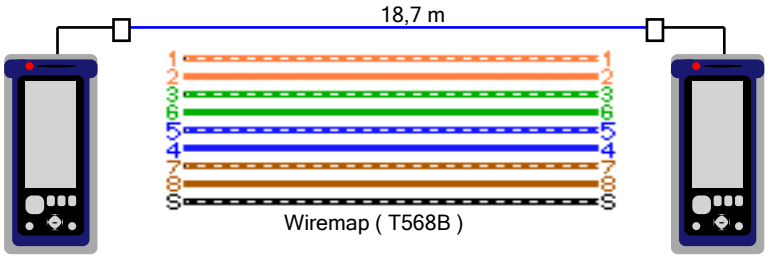
Reporting Software : 6.2.7

Copper Certification Report

Pass

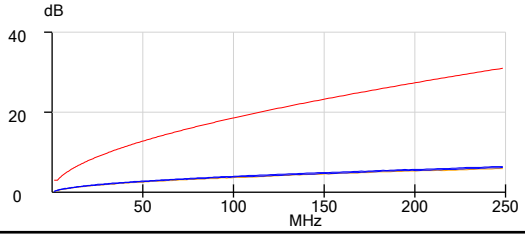
Site :	BTS SN
Operator :	gege four
Cable Label :	S-4

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:27:22
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

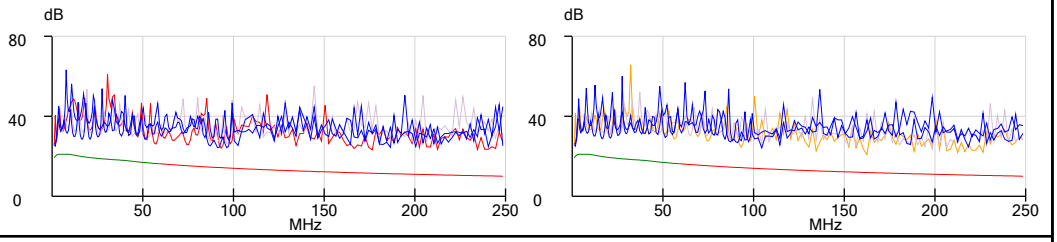
	Worst Margin :	Worst Value :
Worst Pair :	36	45
Value (dB) :	0,5	6,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,5	24,7
Frequency (MHz) :	2,95	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	114,0	498,0	384,0
Delay Skew (ns):	11,0	44,0	33,0
Resistance (Ohm):	4,3	21,0	16,7

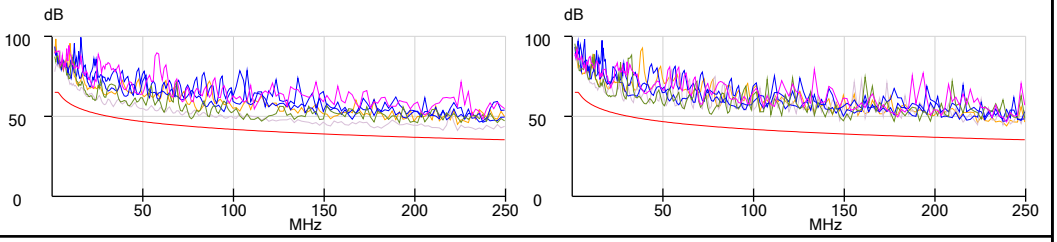
Return Loss :

	Local :	Remote :
Worst Pair :	78	12
Value (dB) :	24,1	20,5
Limit (dB) :	14,4	11,9
Margin (dB) :	9,7	8,6
Frequency (MHz) :	91,50	162,00



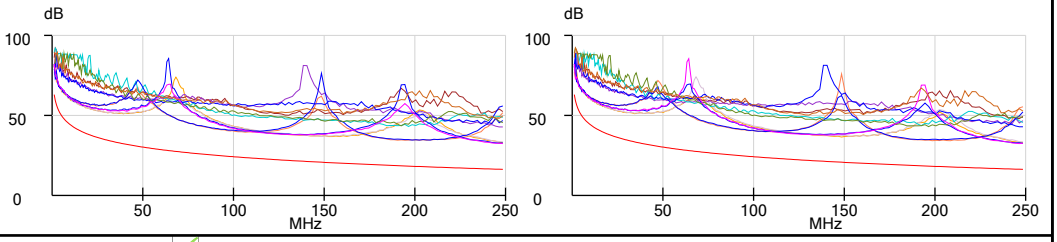
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	43,5	46,4
Limit (dB) :	38,9	39,0
Margin (dB) :	4,6	7,4
Frequency (MHz) :	152,50	149,00



ACRF :

	Local :	Remote :
Worst Pair :	12-36	36-12
Value (dB) :	67,4	67,5
Limit (dB) :	52,8	52,8
Margin (dB) :	14,6	14,7
Frequency (MHz) :	3,70	3,70



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	42,1	40,7
Limit (dB) :	36,3	33,1
Margin (dB) :	5,8	7,6
Frequency (MHz) :	153,00	238,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	74,9	74,1
Limit (dB) :	61,2	61,2
Margin (dB) :	13,7	12,9
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

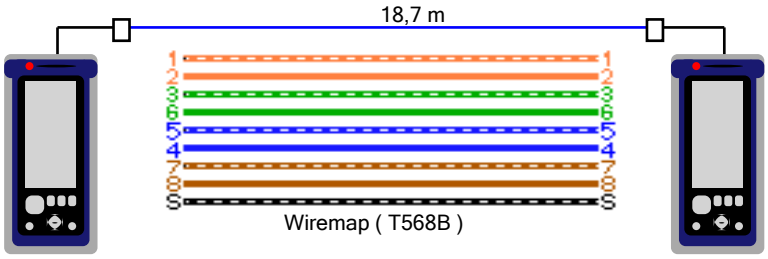
Reporting Software : 6.2.7

Copper Certification Report

Pass

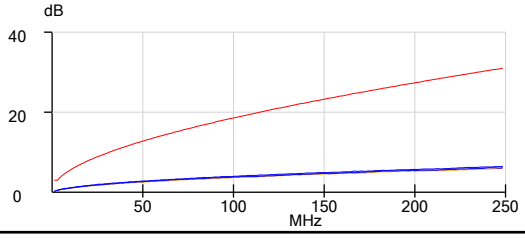
Site :	BTS SN
Operator :	gege four
Cable Label :	S-5

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:27:49
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

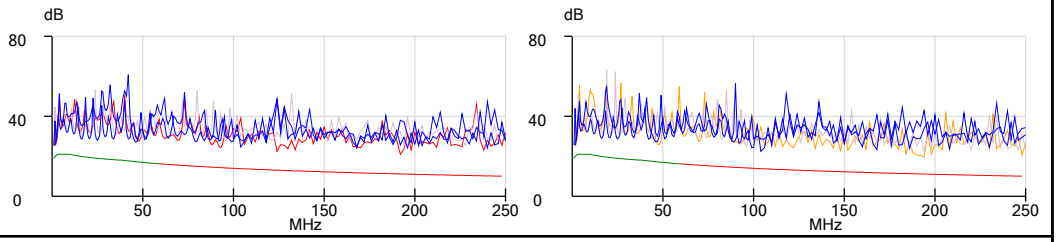
	Worst Margin :	Worst Value :
Worst Pair :	36	45
Value (dB) :	0,5	6,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,5	24,7
Frequency (MHz) :	2,95	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	115,0	498,0	383,0
Delay Skew (ns):	12,0	44,0	32,0
Resistance (Ohm):	4,4	21,0	16,6

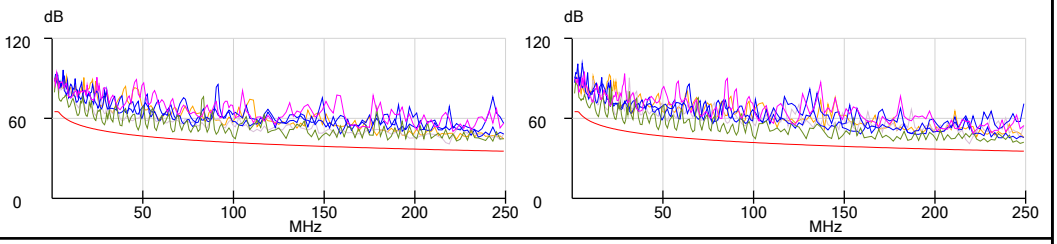
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	22,5	19,1
Limit (dB) :	13,1	11,1
Margin (dB) :	9,4	8,0
Frequency (MHz) :	124,00	193,00



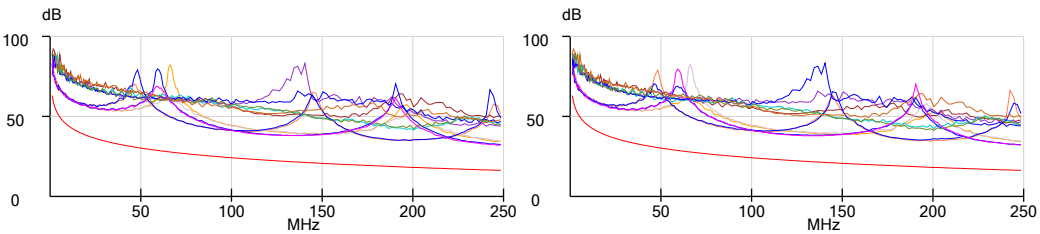
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	44,7	44,7
Limit (dB) :	41,8	41,8
Margin (dB) :	2,9	2,9
Frequency (MHz) :	101,00	101,00



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	66,1	66,2
Limit (dB) :	50,7	50,7
Margin (dB) :	15,4	15,5
Frequency (MHz) :	4,75	4,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	44,4	44,6
Limit (dB) :	39,3	39,2
Margin (dB) :	5,1	5,4
Frequency (MHz) :	100,50	101,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,7	75,5
Limit (dB) :	61,2	61,2
Margin (dB) :	13,5	14,3
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

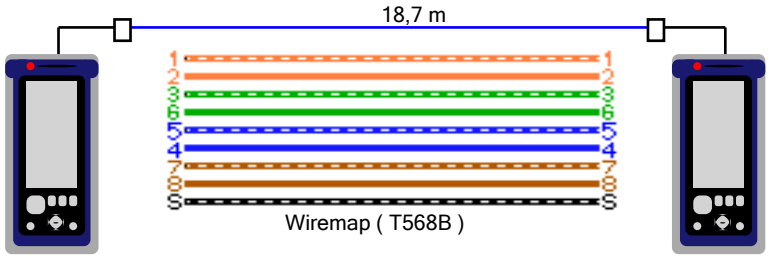
Reporting Software : 6.2.7

Copper Certification Report

Pass

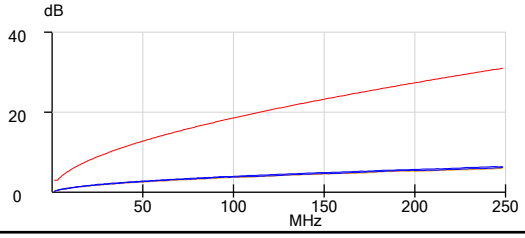
Site : BTS SN
Operator : gege four
Cable Label : S-8

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:28:15
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

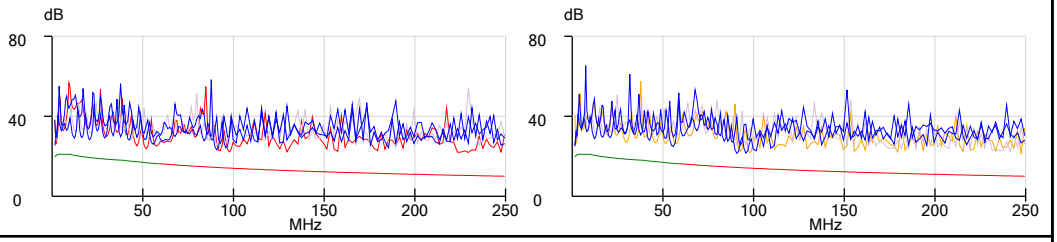
	Worst Margin :	Worst Value :
Worst Pair :	36	45
Value (dB) :	0,5	6,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,5	24,7
Frequency (MHz) :	2,95	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	115,0	498,0	383,0
Delay Skew (ns):	12,0	44,0	32,0
Resistance (Ohm):	4,7	21,0	16,3

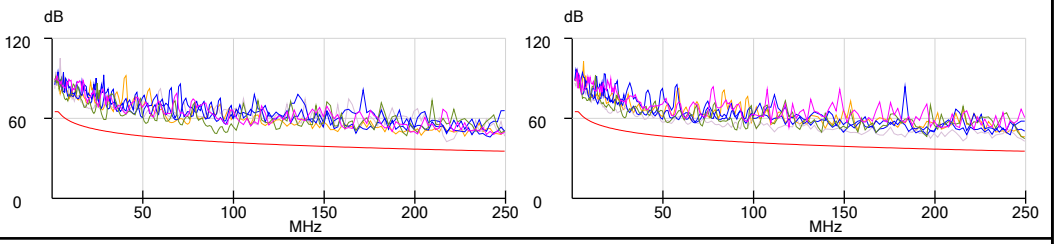
Return Loss :

	Local :	Remote :
Worst Pair :	12	78
Value (dB) :	22,2	21,4
Limit (dB) :	14,1	14,4
Margin (dB) :	8,1	7,0
Frequency (MHz) :	97,75	91,00



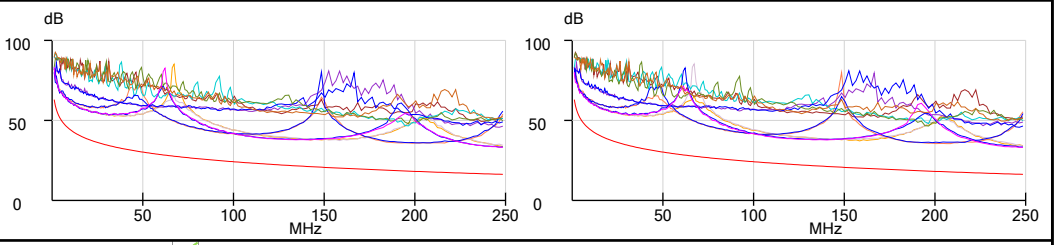
NEXT :

	Local :	Remote :
Worst Pair :	36-78	12-45
Value (dB) :	48,6	43,1
Limit (dB) :	42,6	36,4
Margin (dB) :	6,0	6,7
Frequency (MHz) :	90,00	215,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	67,1	67,0
Limit (dB) :	51,8	51,8
Margin (dB) :	15,2	15,2
Frequency (MHz) :	4,15	4,15



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	41,2	41,0
Limit (dB) :	33,7	32,7
Margin (dB) :	7,5	8,3
Frequency (MHz) :	218,00	248,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	76,3	71,3
Limit (dB) :	61,2	56,3
Margin (dB) :	15,1	15,0
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

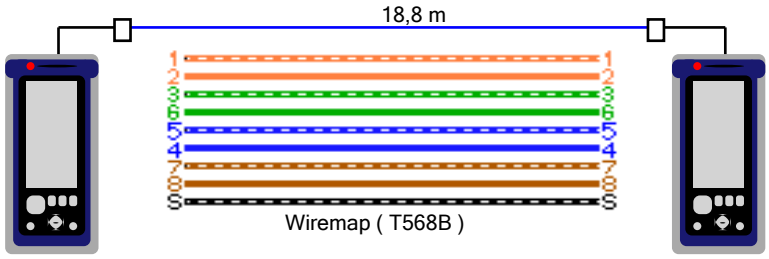
Reporting Software : 6.2.7

Copper Certification Report

Fail

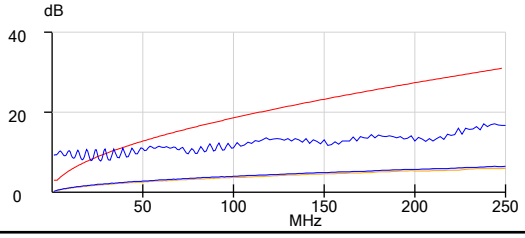
Site : BTS SN
Operator : gege four
Cable Label : S-9

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:29:05
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

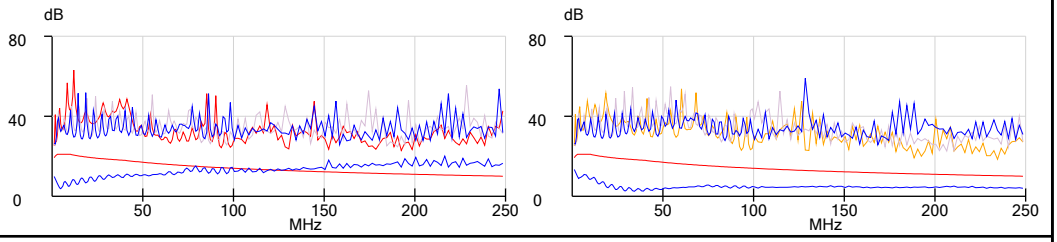
	Worst Margin :	Worst Value :
Worst Pair :	78	78
Value (dB) :	10,2	17,3
Limit (dB) :	3,5	30,6
Margin (dB) :	-6,7	13,3
Frequency (MHz) :	4,00	243,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	115,0	498,0	383,0
Delay Skew (ns):	11,0	44,0	33,0
Resistance (Ohm):	196,4	21,0	-175,4

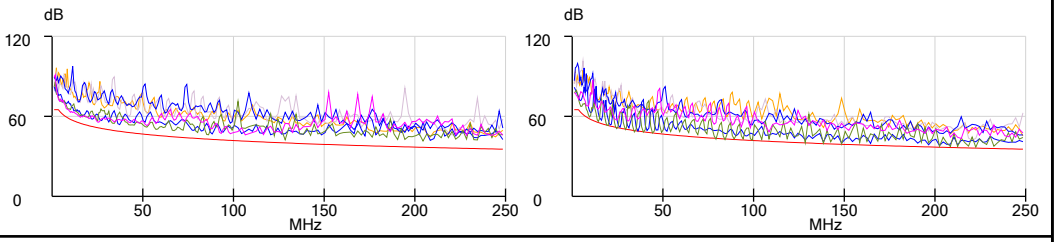
Return Loss :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	3,8	2,7
Limit (dB) :	21,0	18,7
Margin (dB) :	-17,2	-16,0
Frequency (MHz) :	4,75	28,90



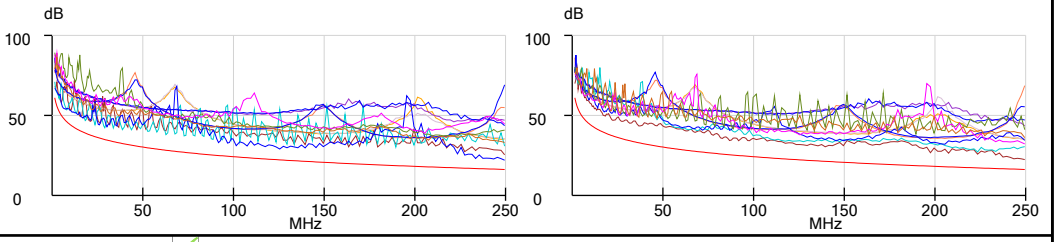
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	42,4	47,8
Limit (dB) :	40,1	49,3
Margin (dB) :	2,3	-1,5
Frequency (MHz) :	128,50	34,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	12-78
Value (dB) :	21,7	22,4
Limit (dB) :	16,3	16,3
Margin (dB) :	5,4	6,1
Frequency (MHz) :	248,50	248,50



PSNEXT :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	55,8	46,6
Limit (dB) :	52,4	46,7
Margin (dB) :	3,4	-0,1
Frequency (MHz) :	15,55	35,00

PSACRF :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	64,1	21,4
Limit (dB) :	61,2	13,2
Margin (dB) :	2,9	8,2
Frequency (MHz) :	1,00	250,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

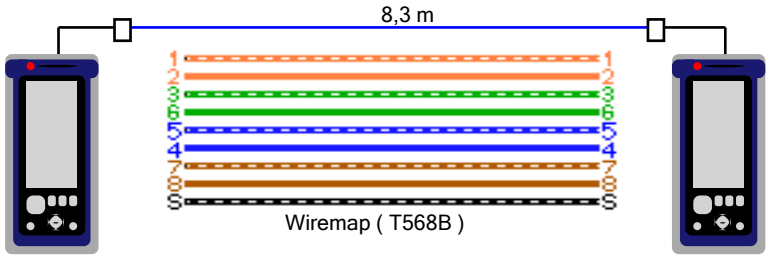
Reporting Software : 6.2.7

Copper Certification Report

Pass

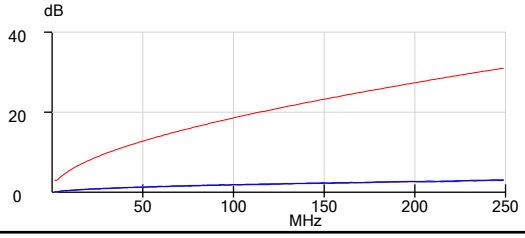
Site : BTS SN
Operator : gege four
Cable Label : CB-1

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:33:37
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

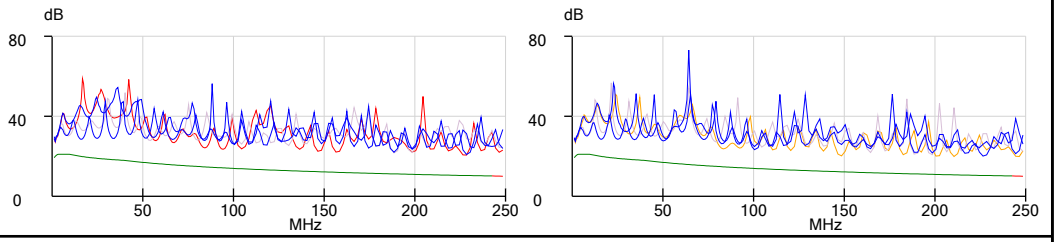
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,1	3,1
Limit (dB) :	3,0	30,6
Margin (dB) :	2,9	27,5
Frequency (MHz) :	1,90	243,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	53,0	498,0	445,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	2,6	21,0	18,4

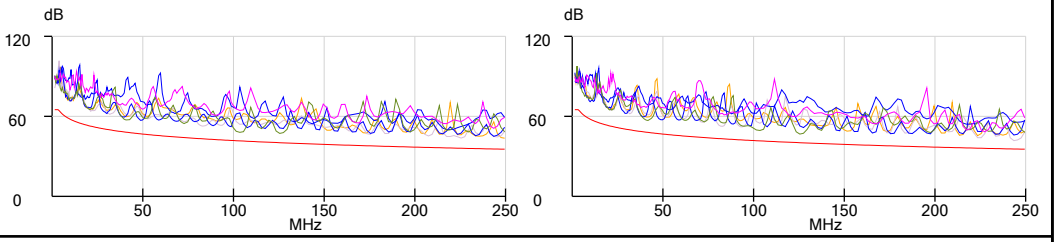
Return Loss :

	Local :	Remote :
Worst Pair :	78	12
Value (dB) :	21,5	19,6
Limit (dB) :	10,4	10,1
Margin (dB) :	11,1	9,5
Frequency (MHz) :	230,00	245,50



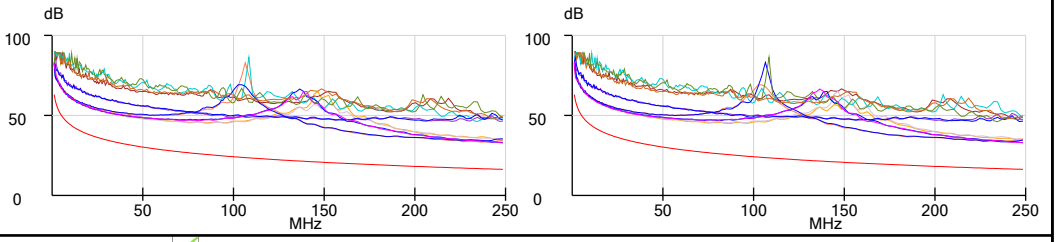
NEXT :

	Local :	Remote :
Worst Pair :	36-78	12-45
Value (dB) :	47,8	41,8
Limit (dB) :	41,6	35,5
Margin (dB) :	6,2	6,3
Frequency (MHz) :	104,00	243,50



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	68,7	68,7
Limit (dB) :	52,5	52,5
Margin (dB) :	16,2	16,2
Frequency (MHz) :	3,85	3,85



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	41,4	40,3
Limit (dB) :	33,5	32,9
Margin (dB) :	7,9	7,4
Frequency (MHz) :	224,50	244,00

PSACRF :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	75,7	70,7
Limit (dB) :	61,2	56,3
Margin (dB) :	14,5	14,4
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

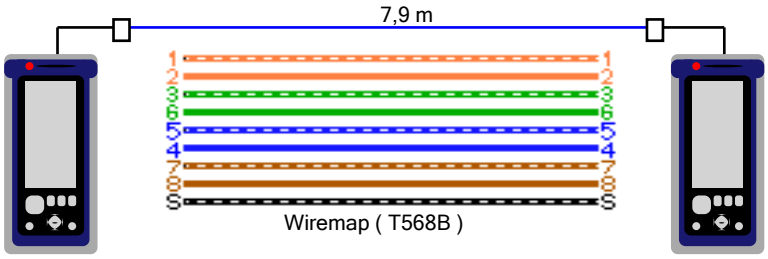
Reporting Software : 6.2.7

Copper Certification Report

Pass

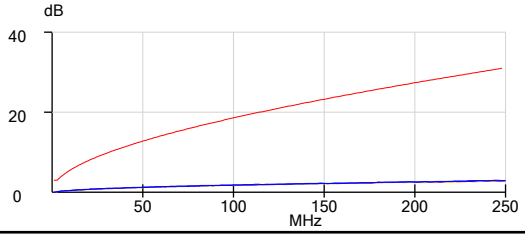
Site : BTS SN
Operator : gege four
Cable Label : CB-2

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:35:03
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

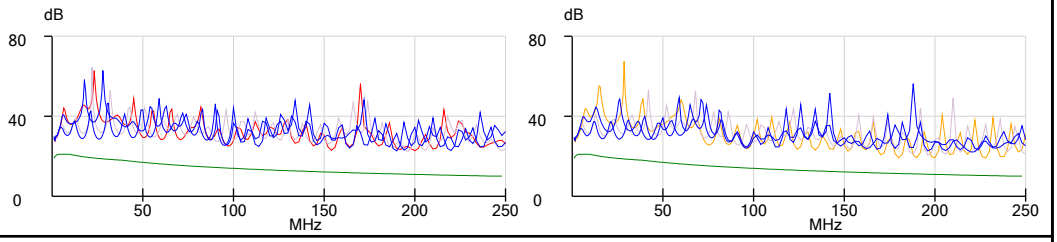
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,1	3,0
Limit (dB) :	3,0	30,5
Margin (dB) :	2,9	27,5
Frequency (MHz) :	1,60	241,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	51,0	498,0	447,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	6,1	21,0	14,9

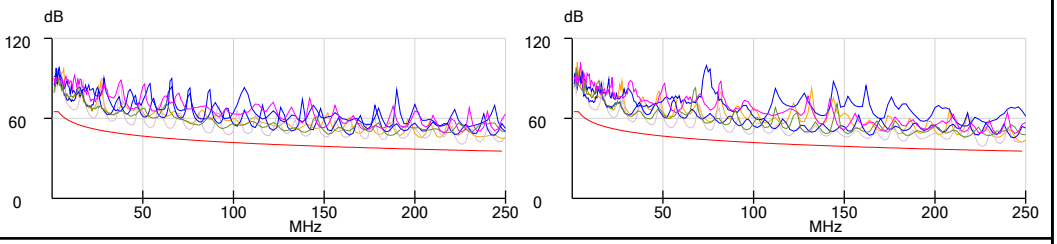
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	22,8	21,0
Limit (dB) :	10,1	10,0
Margin (dB) :	12,7	11,0
Frequency (MHz) :	248,00	249,50



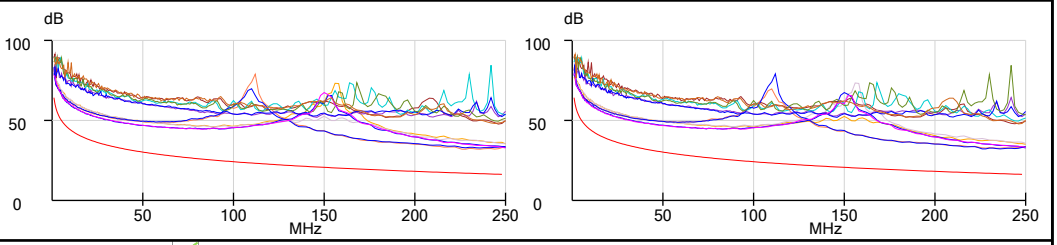
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	40,5	39,0
Limit (dB) :	36,1	36,1
Margin (dB) :	4,4	2,9
Frequency (MHz) :	226,00	225,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	67,2	67,2
Limit (dB) :	52,8	52,8
Margin (dB) :	14,4	14,4
Frequency (MHz) :	3,70	3,70



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	39,8	38,3
Limit (dB) :	33,5	33,5
Margin (dB) :	6,3	4,8
Frequency (MHz) :	225,50	225,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,2	74,4
Limit (dB) :	61,2	61,2
Margin (dB) :	13,0	13,2
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

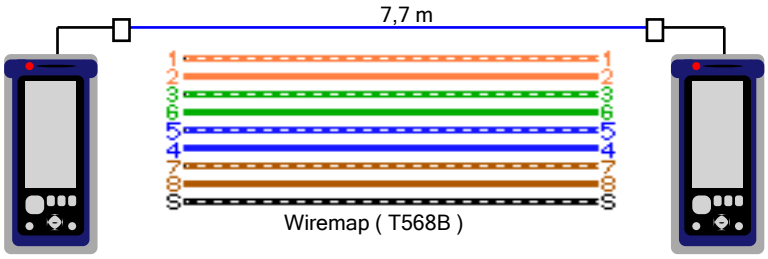
Reporting Software : 6.2.7

Copper Certification Report

Pass

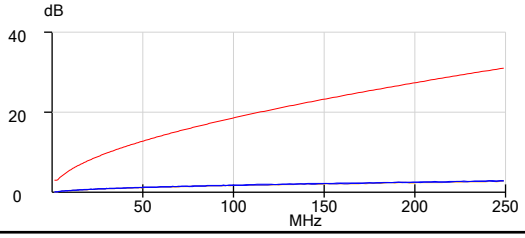
Site : BTS SN
Operator : gege four
Cable Label : CB-3

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:36:10
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

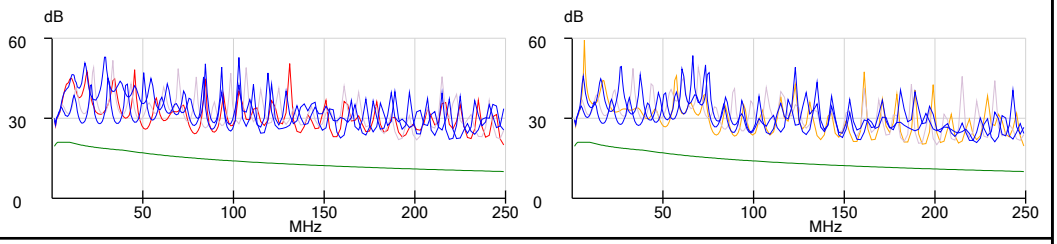
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,1	2,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,9	28,2
Frequency (MHz) :	2,50	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	50,0	498,0	448,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	2,5	21,0	18,5

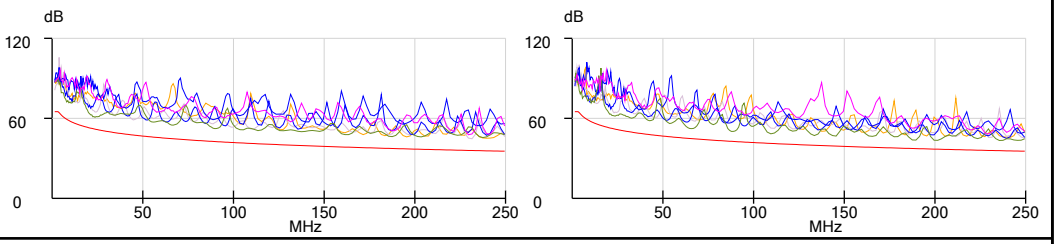
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	27,0	27,0
Limit (dB) :	20,2	20,2
Margin (dB) :	6,8	6,8
Frequency (MHz) :	1,90	1,90



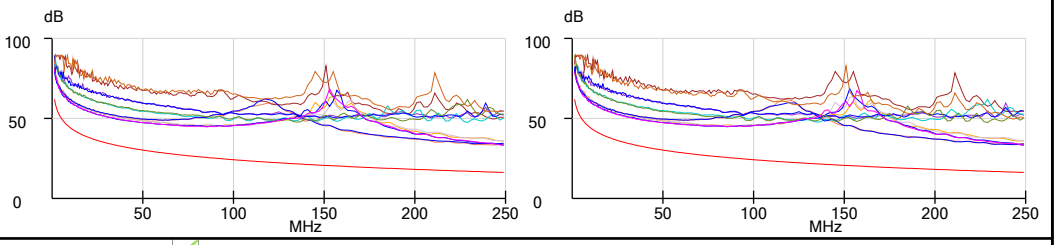
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	44,5	43,5
Limit (dB) :	35,9	37,4
Margin (dB) :	8,6	6,1
Frequency (MHz) :	231,00	188,50



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	69,1	69,2
Limit (dB) :	54,0	54,0
Margin (dB) :	15,1	15,2
Frequency (MHz) :	3,25	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	41,3	40,3
Limit (dB) :	33,0	33,1
Margin (dB) :	8,3	7,2
Frequency (MHz) :	239,00	237,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	75,2	74,0
Limit (dB) :	61,2	61,2
Margin (dB) :	14,0	12,8
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

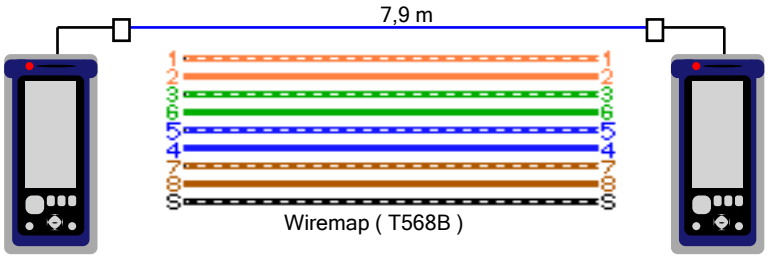
Reporting Software : 6.2.7

Copper Certification Report

Pass

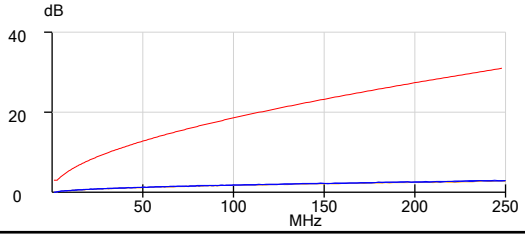
Site : BTS SN
Operator : gege four
Cable Label : CB-4

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:36:51
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

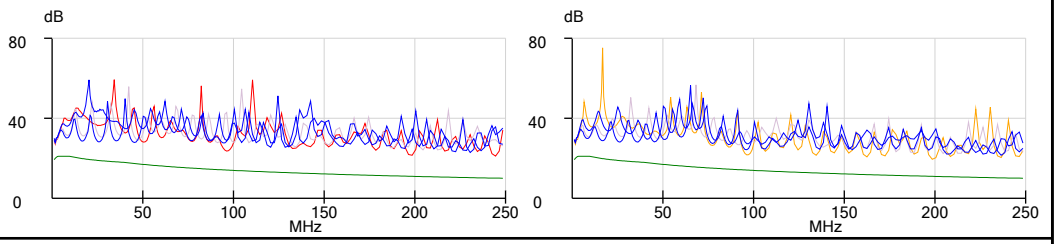
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,1	3,0
Limit (dB) :	3,0	30,5
Margin (dB) :	2,9	27,5
Frequency (MHz) :	1,60	241,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	51,0	498,0	447,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	2,6	21,0	18,4

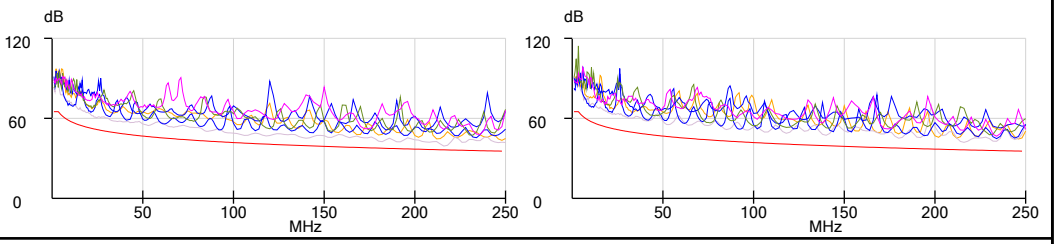
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	21,1	20,6
Limit (dB) :	10,1	10,1
Margin (dB) :	11,0	10,5
Frequency (MHz) :	244,50	245,50



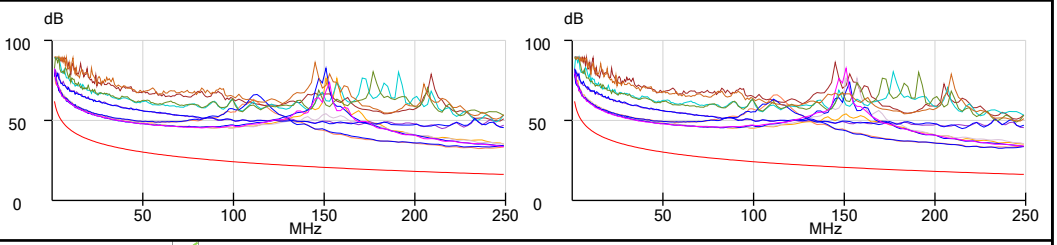
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	39,2	42,0
Limit (dB) :	36,4	36,4
Margin (dB) :	2,8	5,6
Frequency (MHz) :	216,00	215,50



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-78
Value (dB) :	32,2	68,2
Limit (dB) :	16,7	52,5
Margin (dB) :	15,6	15,7
Frequency (MHz) :	236,00	3,85



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	38,5	39,6
Limit (dB) :	33,8	33,2
Margin (dB) :	4,7	6,4
Frequency (MHz) :	215,50	233,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,9	75,1
Limit (dB) :	61,2	61,2
Margin (dB) :	13,7	13,9
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

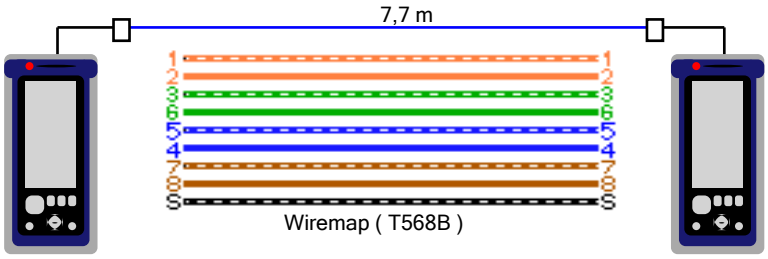
Reporting Software : 6.2.7

Copper Certification Report

Pass

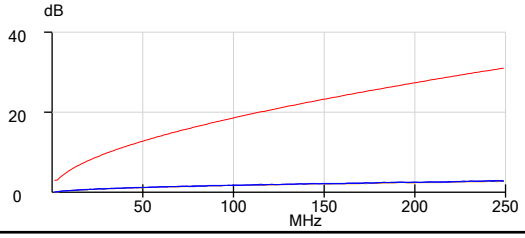
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-5

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:37:24
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

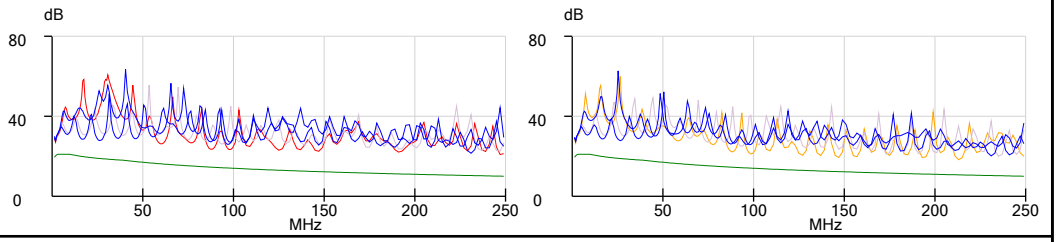
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,1	3,0
Limit (dB) :	3,0	30,7
Margin (dB) :	2,9	27,7
Frequency (MHz) :	2,50	244,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	50,0	498,0	448,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	2,5	21,0	18,5

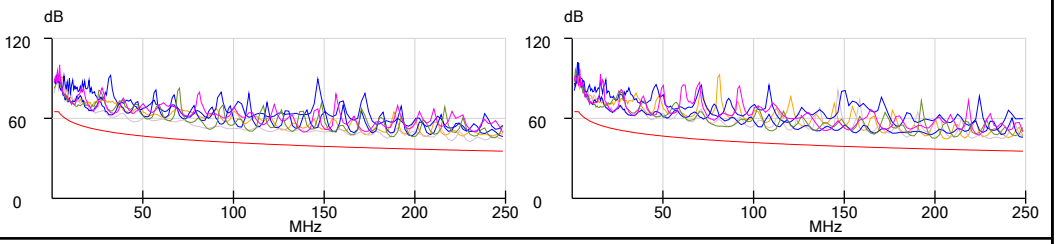
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	27,0	26,7
Limit (dB) :	20,2	20,2
Margin (dB) :	6,8	6,5
Frequency (MHz) :	1,90	1,90



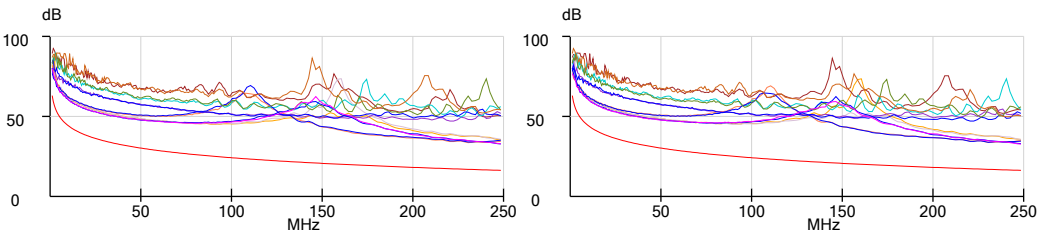
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-36
Value (dB) :	42,5	44,4
Limit (dB) :	35,9	36,7
Margin (dB) :	6,6	7,7
Frequency (MHz) :	230,50	205,50



ACRF :

	Local :	Remote :
Worst Pair :	78-45	45-78
Value (dB) :	65,1	65,1
Limit (dB) :	49,9	49,9
Margin (dB) :	15,2	15,2
Frequency (MHz) :	5,20	5,20



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	41,2	42,4
Limit (dB) :	33,3	34,1
Margin (dB) :	7,9	8,3
Frequency (MHz) :	230,50	207,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	73,9	74,4
Limit (dB) :	61,2	61,2
Margin (dB) :	12,7	13,2
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

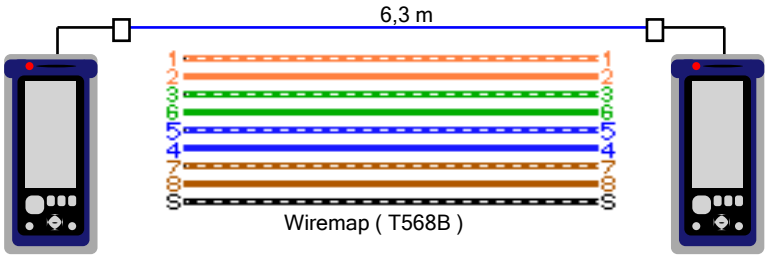
Reporting Software : 6.2.7

Copper Certification Report

Pass

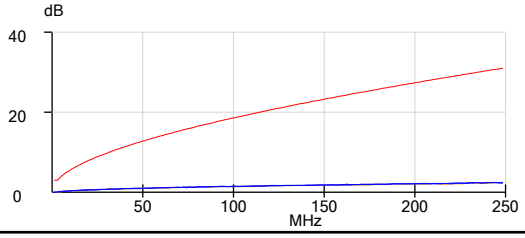
Site : BTS SN
Operator : gege four
Cable Label : CB-6

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:38:15
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

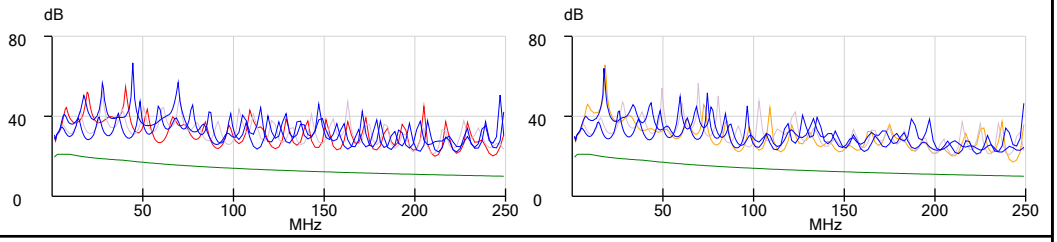
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,1	2,5
Limit (dB) :	3,0	30,4
Margin (dB) :	2,9	27,9
Frequency (MHz) :	2,35	240,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	42,0	498,0	456,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	2,4	21,0	18,6

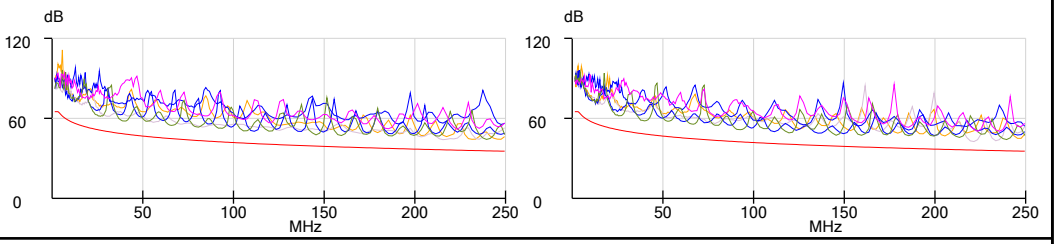
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	27,6	17,1
Limit (dB) :	20,2	10,1
Margin (dB) :	7,4	7,0
Frequency (MHz) :	1,90	243,00



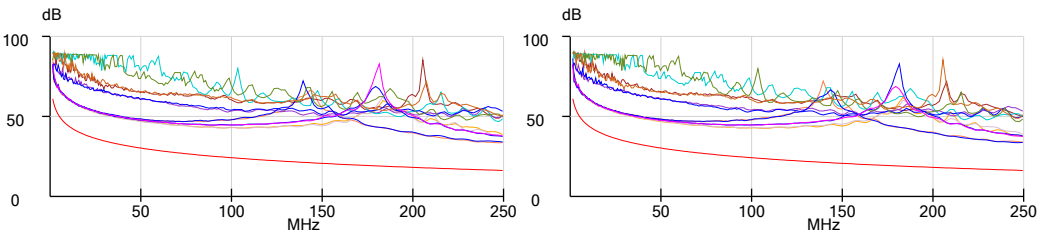
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	44,0	42,6
Limit (dB) :	36,4	36,2
Margin (dB) :	7,6	6,4
Frequency (MHz) :	215,50	220,50



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	69,2	69,2
Limit (dB) :	54,0	54,0
Margin (dB) :	15,1	15,2
Frequency (MHz) :	3,25	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	42,0	41,5
Limit (dB) :	33,8	33,6
Margin (dB) :	8,2	7,9
Frequency (MHz) :	216,00	222,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	71,1	74,5
Limit (dB) :	56,3	61,2
Margin (dB) :	14,8	13,3
Frequency (MHz) :	1,75	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

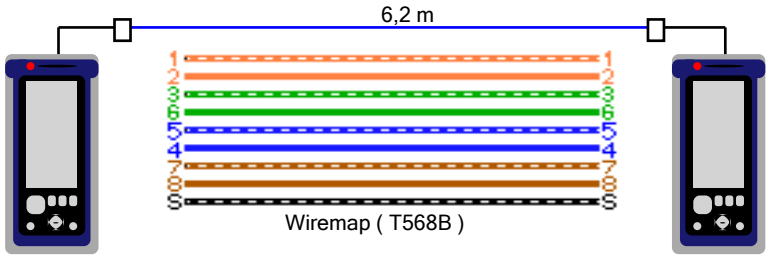
Reporting Software : 6.2.7

Copper Certification Report

Pass

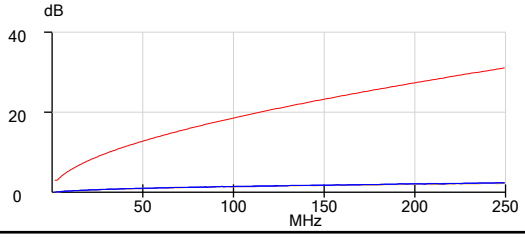
Site : BTS SN
Operator : gege four
Cable Label : CB-7

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:38:50
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

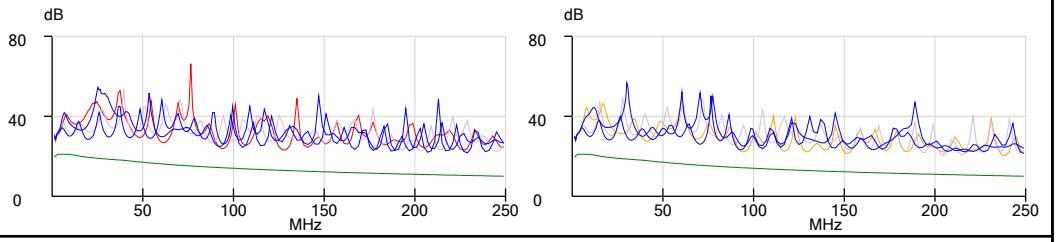
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,1	2,5
Limit (dB) :	3,0	30,8
Margin (dB) :	2,9	28,3
Frequency (MHz) :	2,65	246,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	41,0	498,0	457,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	2,3	21,0	18,7

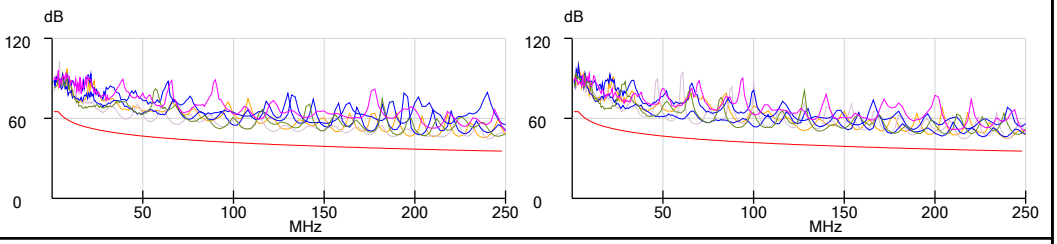
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	27,6	27,4
Limit (dB) :	20,2	20,2
Margin (dB) :	7,4	7,2
Frequency (MHz) :	1,90	1,90



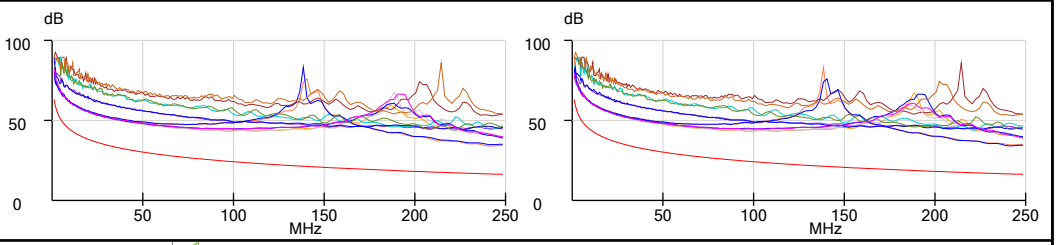
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	46,2	44,6
Limit (dB) :	37,4	36,4
Margin (dB) :	8,8	8,2
Frequency (MHz) :	188,00	215,50



ACRF :

	Local :	Remote :
Worst Pair :	78-45	45-78
Value (dB) :	67,6	67,6
Limit (dB) :	52,1	52,1
Margin (dB) :	15,5	15,5
Frequency (MHz) :	4,00	4,00



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	42,3	41,8
Limit (dB) :	33,0	33,0
Margin (dB) :	9,3	8,8
Frequency (MHz) :	240,00	240,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,1	73,4
Limit (dB) :	60,0	60,0
Margin (dB) :	14,1	13,4
Frequency (MHz) :	1,15	1,15

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

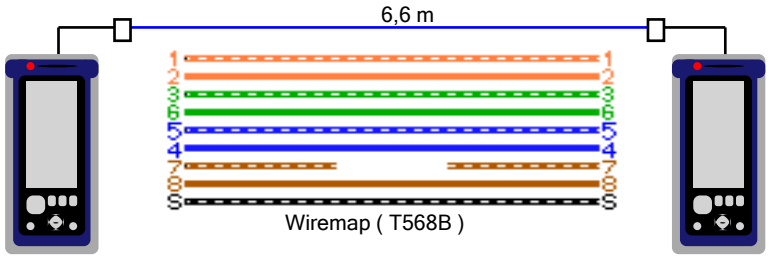
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	CB-8

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:39:33
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23 Signature :

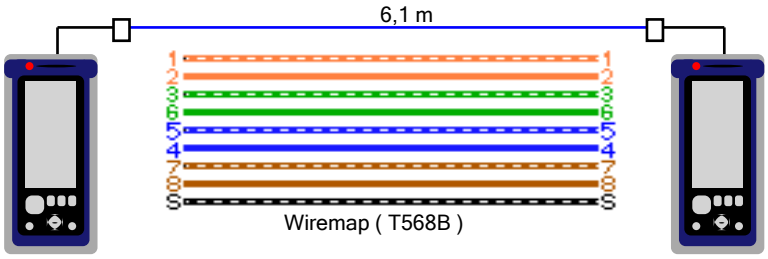
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

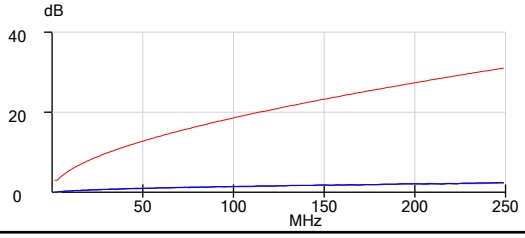
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-9

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:40:23
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

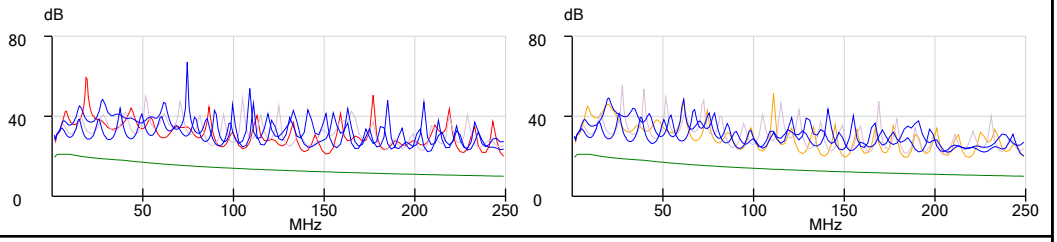
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,1	2,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,9	28,7
Frequency (MHz) :	2,50	250,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	41,0	498,0	457,0
Delay Skew (ns):	4,0	44,0	40,0
Resistance (Ohm):	2,3	21,0	18,7

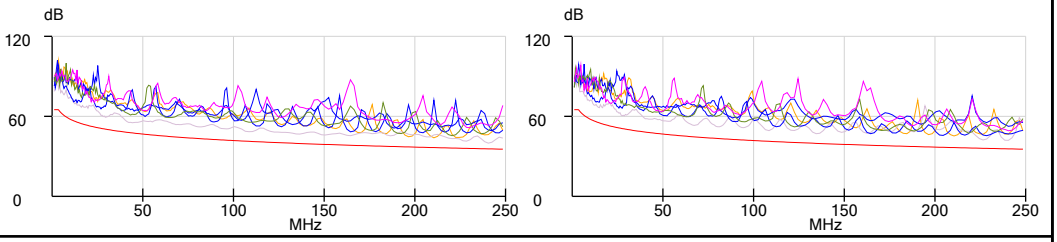
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	27,4	27,2
Limit (dB) :	20,2	20,2
Margin (dB) :	7,2	7,0
Frequency (MHz) :	1,90	1,90



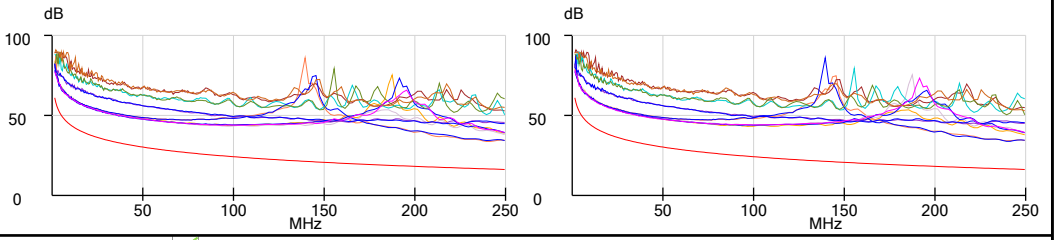
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	39,9	41,7
Limit (dB) :	35,6	35,6
Margin (dB) :	4,3	6,1
Frequency (MHz) :	240,50	239,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	66,5	66,5
Limit (dB) :	50,9	50,9
Margin (dB) :	15,6	15,6
Frequency (MHz) :	4,60	4,60



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	38,8	40,4
Limit (dB) :	33,0	33,4
Margin (dB) :	5,8	7,0
Frequency (MHz) :	241,00	227,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	73,9	75,2
Limit (dB) :	60,0	61,2
Margin (dB) :	13,9	14,0
Frequency (MHz) :	1,15	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

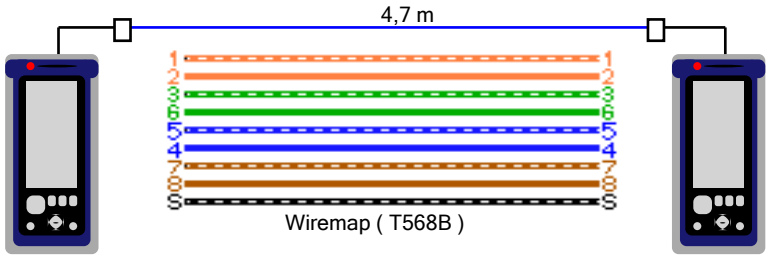
Reporting Software : 6.2.7

Copper Certification Report

Pass

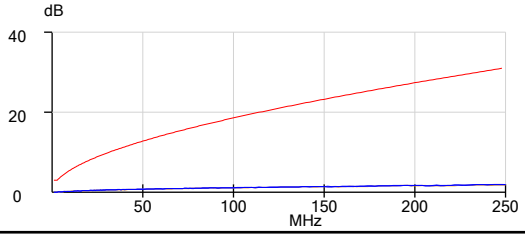
Site : BTS SN
Operator : gege four
Cable Label : CB-10

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:41:21
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

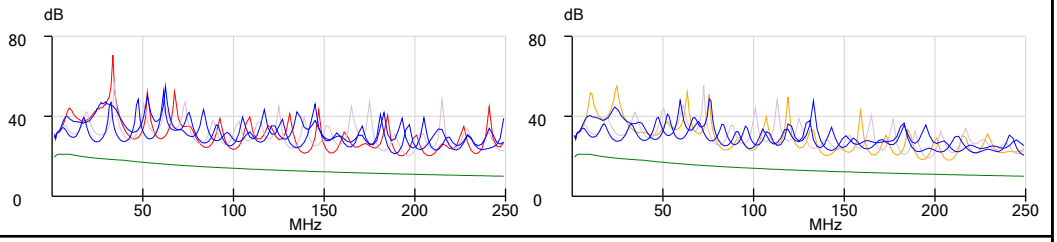
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	2,0
Limit (dB) :	3,0	30,7
Margin (dB) :	3,0	28,7
Frequency (MHz) :	1,00	244,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	33,0	498,0	465,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	2,2	21,0	18,8

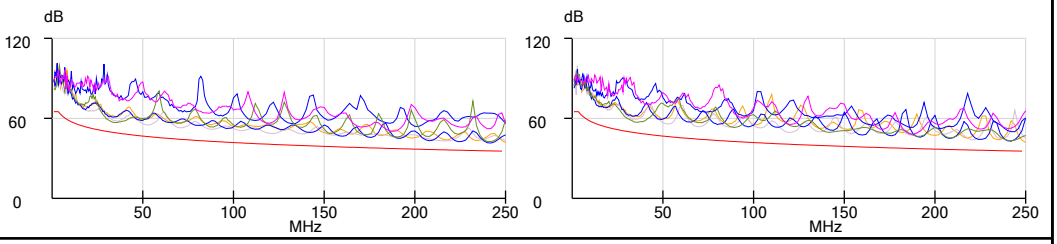
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	28,3	18,3
Limit (dB) :	20,2	11,2
Margin (dB) :	8,1	7,1
Frequency (MHz) :	1,90	192,50



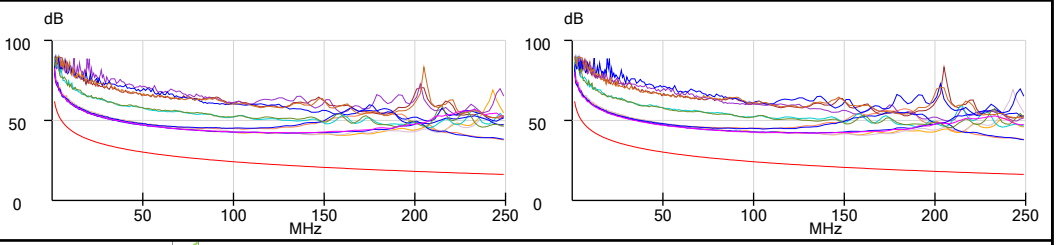
NEXT :

	Local :	Remote :
Worst Pair :	36-45	12-36
Value (dB) :	41,4	41,9
Limit (dB) :	35,6	35,3
Margin (dB) :	5,8	6,6
Frequency (MHz) :	241,50	250,00



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	69,3	69,3
Limit (dB) :	54,0	54,0
Margin (dB) :	15,3	15,3
Frequency (MHz) :	3,25	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	38,3	39,7
Limit (dB) :	33,0	33,0
Margin (dB) :	5,3	6,7
Frequency (MHz) :	240,50	241,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	70,8	67,9
Limit (dB) :	56,3	54,3
Margin (dB) :	14,5	13,6
Frequency (MHz) :	1,75	2,20

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

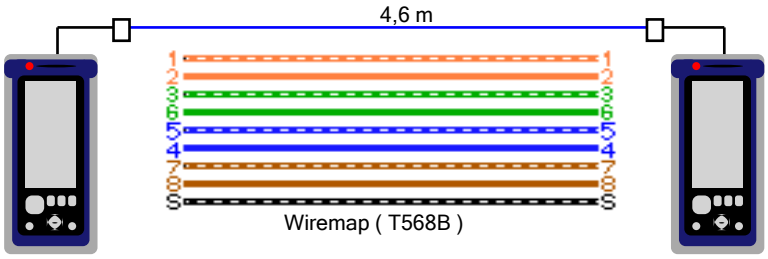
Reporting Software : 6.2.7

Copper Certification Report

Fail

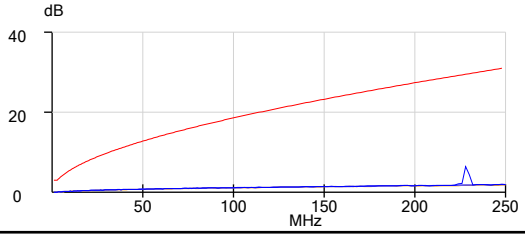
Site : BTS SN
Operator : gege four
Cable Label : CB-11

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:41:52
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

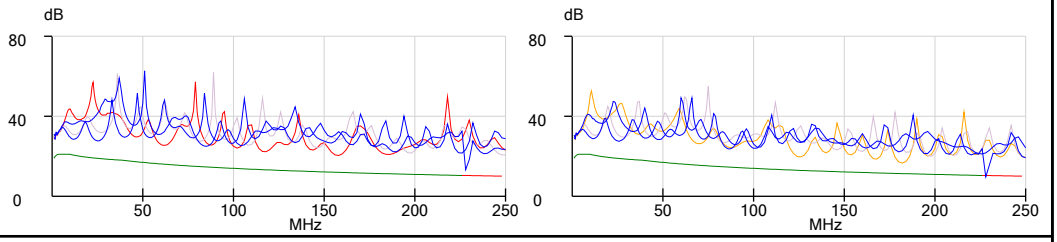
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,0	6,4
Limit (dB) :	3,0	29,6
Margin (dB) :	3,0	23,2
Frequency (MHz) :	1,00	229,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	32,0	498,0	466,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	2,8	21,0	18,2

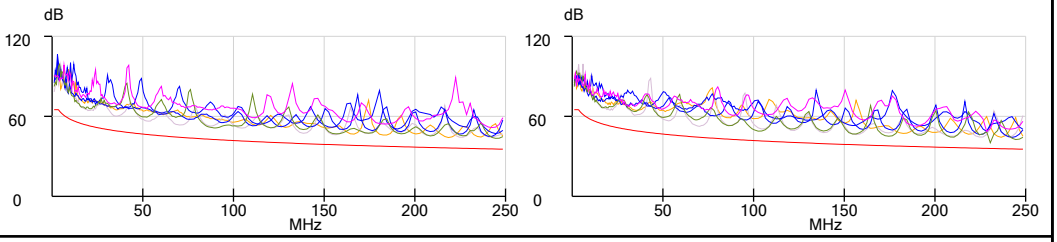
Return Loss :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	13,3	8,7
Limit (dB) :	10,4	10,4
Margin (dB) :	2,9	-1,7
Frequency (MHz) :	228,00	229,00



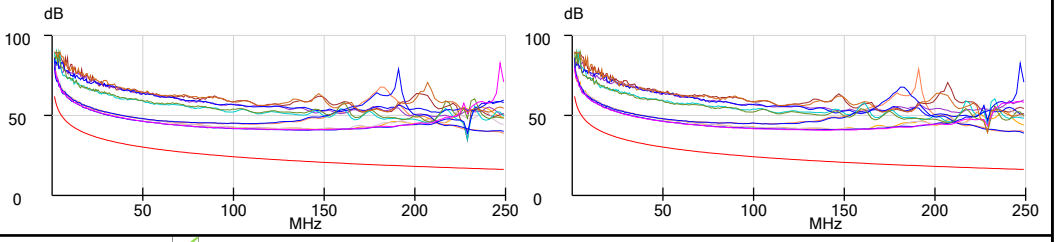
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	46,2	40,2
Limit (dB) :	38,7	35,9
Margin (dB) :	7,5	4,3
Frequency (MHz) :	155,50	230,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	64,2	68,9
Limit (dB) :	49,4	54,0
Margin (dB) :	14,8	14,9
Frequency (MHz) :	5,50	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	12	78
Value (dB) :	44,4	38,7
Limit (dB) :	36,2	33,3
Margin (dB) :	8,2	5,4
Frequency (MHz) :	154,50	229,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	75,8	69,8
Limit (dB) :	61,2	56,3
Margin (dB) :	14,6	13,5
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

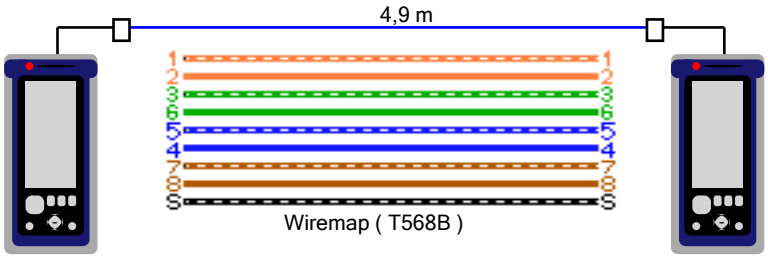
Reporting Software : 6.2.7

Copper Certification Report

Pass

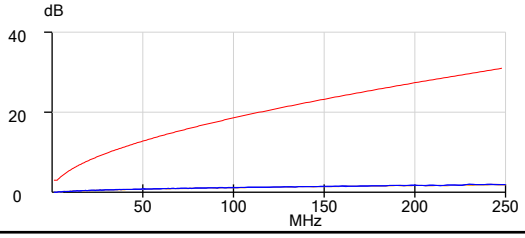
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-12

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:42:40
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

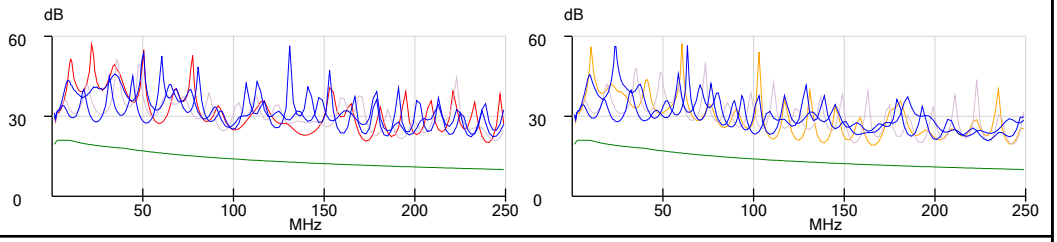
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,1	2,1
Limit (dB) :	3,0	30,5
Margin (dB) :	2,9	28,4
Frequency (MHz) :	2,20	241,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	34,0	498,0	464,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	2,2	21,0	18,8

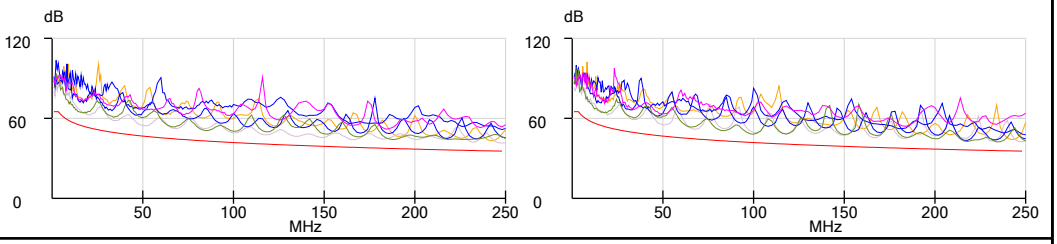
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	28,0	19,0
Limit (dB) :	20,2	11,8
Margin (dB) :	7,8	7,2
Frequency (MHz) :	1,90	166,00



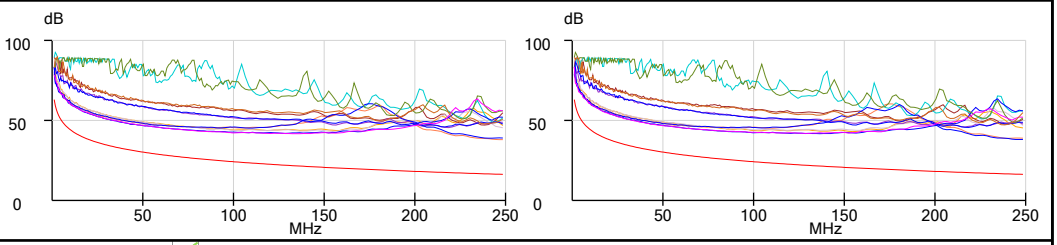
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	44,0	48,1
Limit (dB) :	38,3	41,9
Margin (dB) :	5,7	6,2
Frequency (MHz) :	165,00	99,25



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	67,9	67,9
Limit (dB) :	53,2	53,2
Margin (dB) :	14,7	14,7
Frequency (MHz) :	3,55	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	39,9	39,9
Limit (dB) :	32,9	33,7
Margin (dB) :	7,0	6,2
Frequency (MHz) :	244,50	217,00

PSACRF :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	75,1	70,4
Limit (dB) :	61,2	56,3
Margin (dB) :	13,9	14,1
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

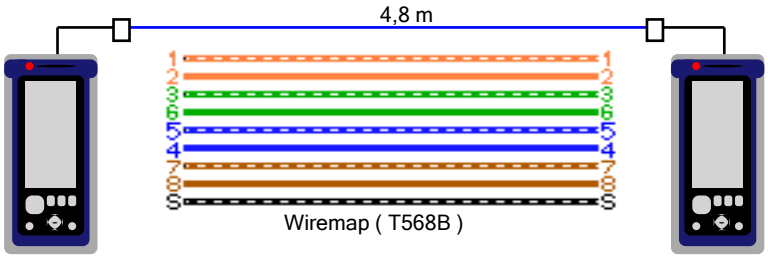
Reporting Software : 6.2.7

Copper Certification Report

Pass

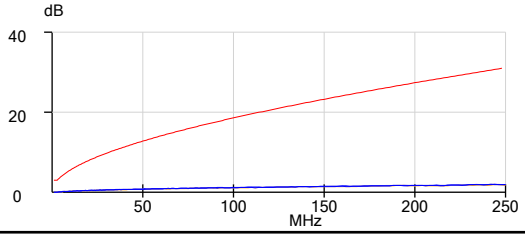
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-13

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:47:19
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

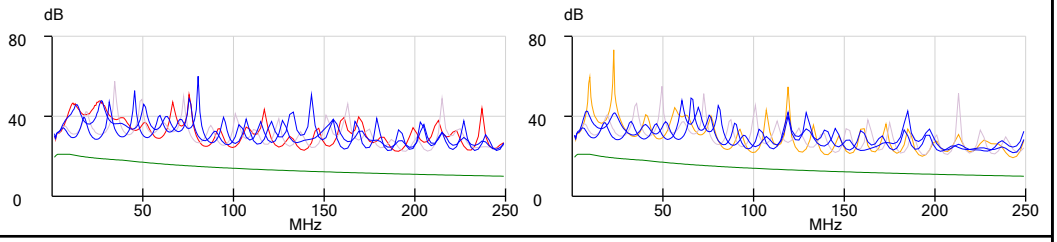
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	2,0
Limit (dB) :	3,0	29,9
Margin (dB) :	3,0	27,9
Frequency (MHz) :	1,00	233,50



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	33,0	498,0	465,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	2,1	21,0	18,9

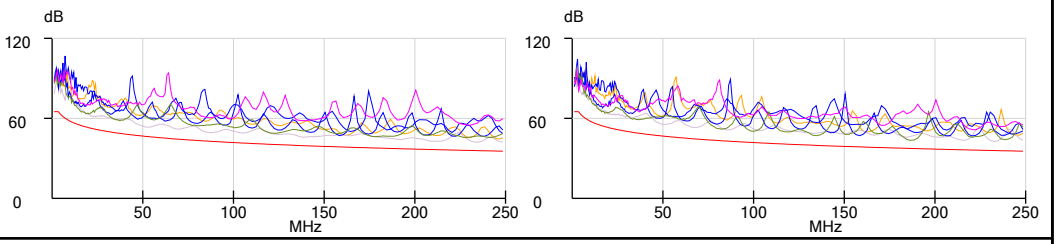
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	28,2	21,8
Limit (dB) :	20,2	14,0
Margin (dB) :	8,0	7,8
Frequency (MHz) :	1,90	99,75



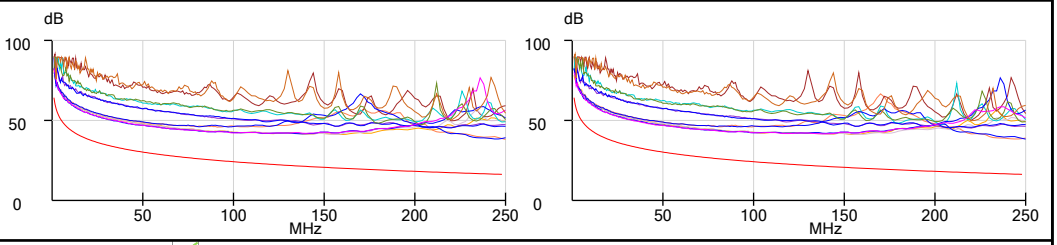
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	42,8	43,5
Limit (dB) :	36,6	37,4
Margin (dB) :	6,2	6,1
Frequency (MHz) :	209,00	186,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	69,4	69,3
Limit (dB) :	54,0	54,0
Margin (dB) :	15,3	15,3
Frequency (MHz) :	3,25	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	39,8	42,4
Limit (dB) :	32,7	34,8
Margin (dB) :	7,1	7,6
Frequency (MHz) :	248,50	186,50

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	71,6	70,4
Limit (dB) :	56,3	56,3
Margin (dB) :	15,3	14,1
Frequency (MHz) :	1,75	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

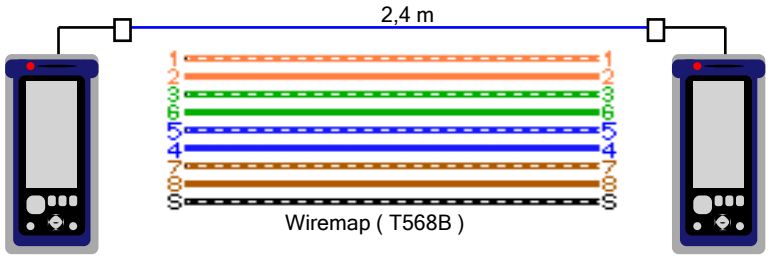
Reporting Software : 6.2.7

Copper Certification Report

Pass

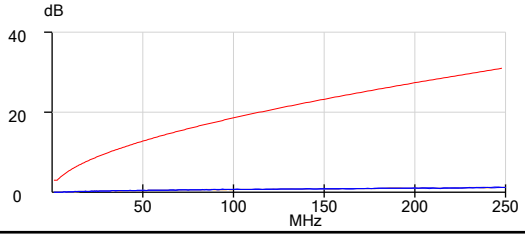
Site : BTS SN
Operator : gege four
Cable Label : CB-14

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 13:49:01
Cable Name : CAT 6 UTP
Connector Name : UTP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

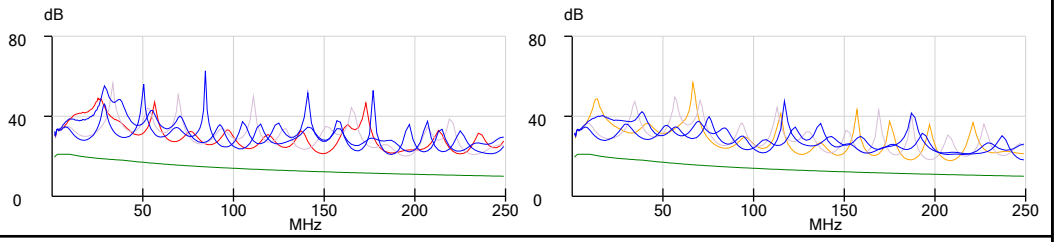
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	30,2
Margin (dB) :	3,0	28,9
Frequency (MHz) :	1,00	237,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	19,0	498,0	479,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	1,8	21,0	19,2

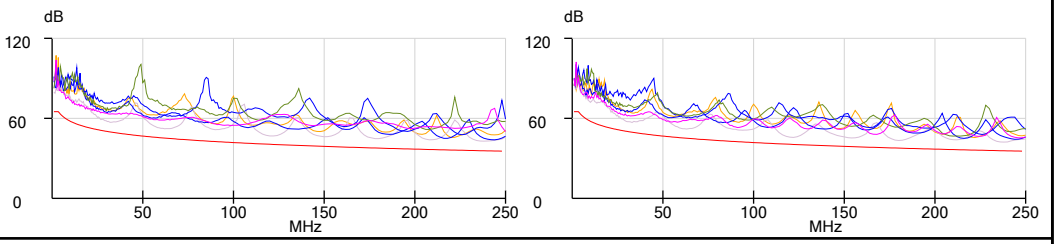
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	28,0	18,2
Limit (dB) :	19,9	11,3
Margin (dB) :	8,1	6,9
Frequency (MHz) :	16,60	185,50



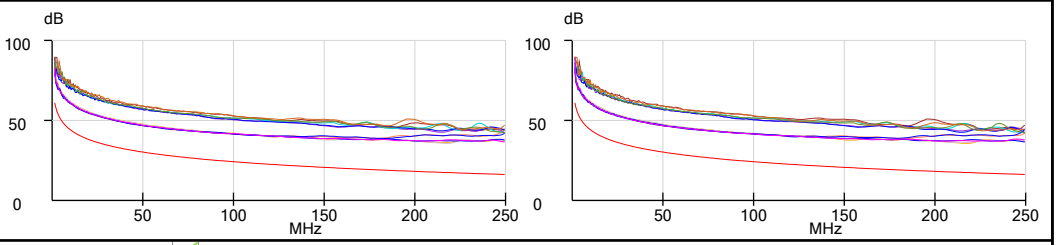
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	46,8	45,7
Limit (dB) :	40,6	40,5
Margin (dB) :	6,2	5,2
Frequency (MHz) :	120,00	121,00



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	67,2	67,2
Limit (dB) :	52,1	52,1
Margin (dB) :	15,1	15,1
Frequency (MHz) :	4,00	4,00



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	40,5	39,7
Limit (dB) :	33,0	33,0
Margin (dB) :	7,5	6,7
Frequency (MHz) :	240,00	241,50

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	71,1	69,6
Limit (dB) :	56,3	56,3
Margin (dB) :	14,8	13,3
Frequency (MHz) :	1,75	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

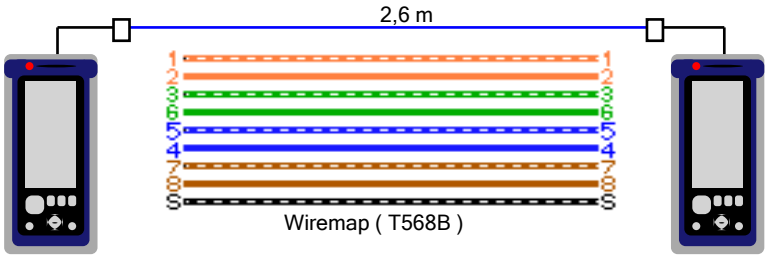
Reporting Software : 6.2.7

Copper Certification Report

Pass

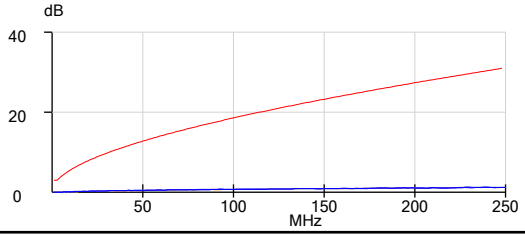
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-15

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 13:49:43
Cable Name :	CAT 6 UTP
Connector Name :	UTP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

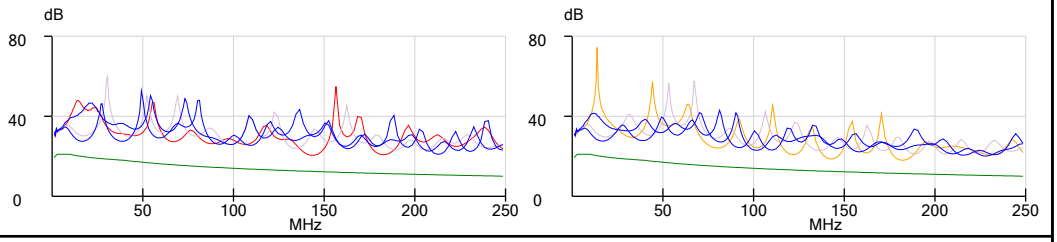
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	29,5
Margin (dB) :	3,0	28,2
Frequency (MHz) :	1,00	228,00



	Value	Limit	Margin
Cable NVP :	65,0		
Propagation Delay (ns):	20,0	498,0	478,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	1,8	21,0	19,2

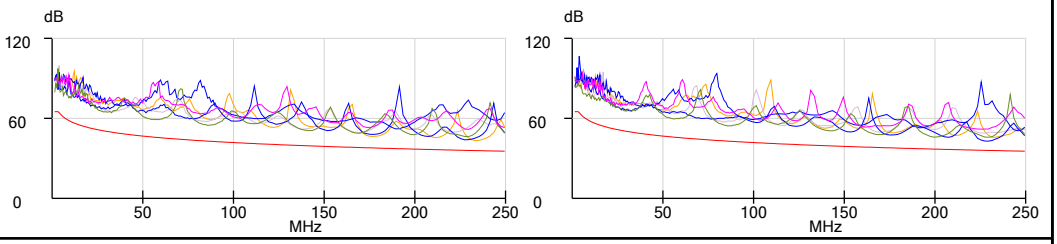
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	27,6	18,6
Limit (dB) :	20,1	12,5
Margin (dB) :	7,5	6,1
Frequency (MHz) :	15,25	142,00



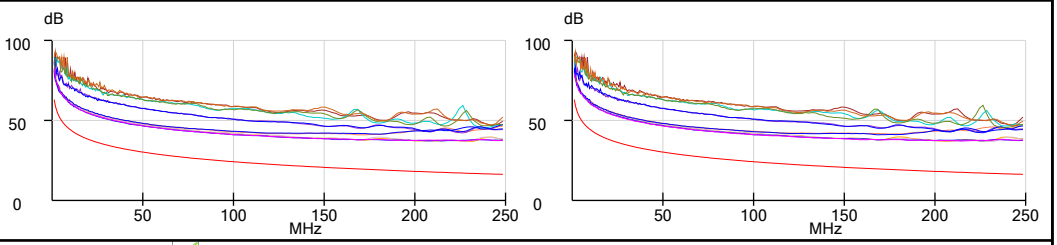
NEXT :

	Local :	Remote :
Worst Pair :	12-36	36-45
Value (dB) :	43,4	42,9
Limit (dB) :	35,9	36,0
Margin (dB) :	7,5	6,9
Frequency (MHz) :	232,50	228,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	68,7	68,7
Limit (dB) :	53,2	53,2
Margin (dB) :	15,5	15,5
Frequency (MHz) :	3,55	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	40,1	40,1
Limit (dB) :	33,3	33,3
Margin (dB) :	6,8	6,8
Frequency (MHz) :	231,00	229,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	75,6	75,1
Limit (dB) :	61,2	61,2
Margin (dB) :	14,4	13,9
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

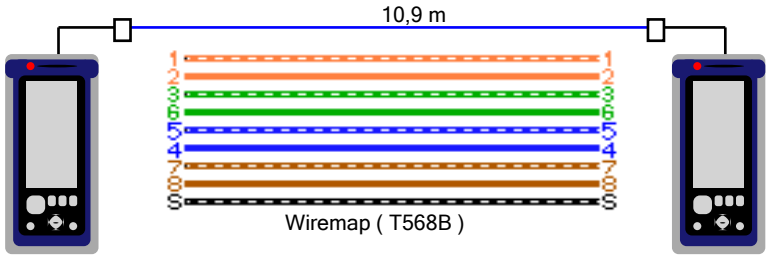
Reporting Software : 6.2.7

Copper Certification Report

Fail

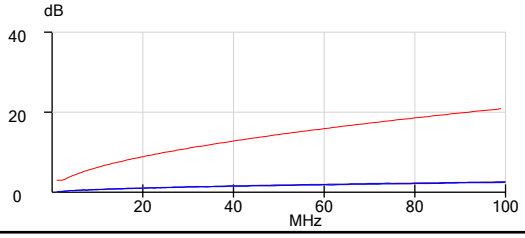
Site : BTS SN
Operator : gege four
Cable Label : CB-16

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:06:14
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

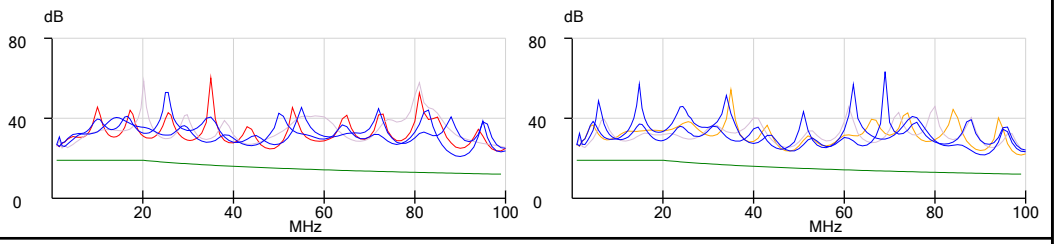
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,4
Margin (dB) :	2,8	17,8
Frequency (MHz) :	1,60	95,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	61,0	498,0	437,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	3,3	21,0	17,7

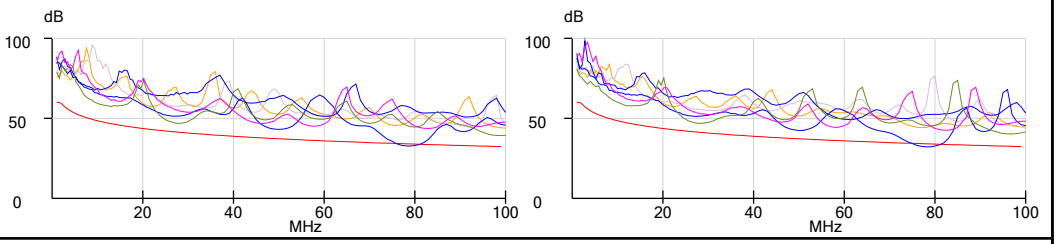
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,1	25,3
Limit (dB) :	19,0	19,0
Margin (dB) :	6,1	6,3
Frequency (MHz) :	2,20	2,95



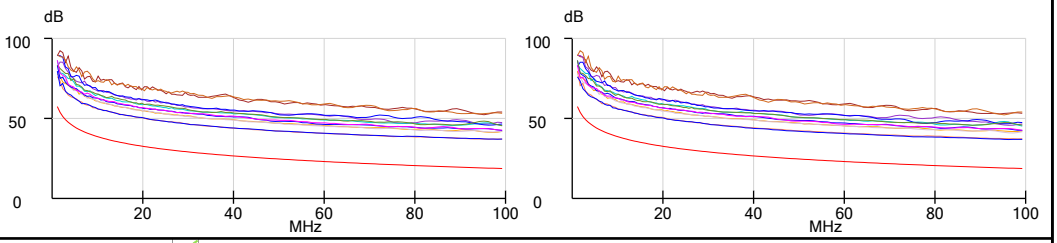
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	32,8	32,2
Limit (dB) :	34,1	34,1
Margin (dB) :	-1,3	-1,9
Frequency (MHz) :	78,00	77,75



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	68,8	68,7
Limit (dB) :	52,4	52,4
Margin (dB) :	16,3	16,3
Frequency (MHz) :	2,05	2,05



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	32,4	31,7
Limit (dB) :	31,1	31,1
Margin (dB) :	1,3	0,6
Frequency (MHz) :	77,75	78,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	69,3	67,0
Limit (dB) :	50,8	48,8
Margin (dB) :	18,5	18,2
Frequency (MHz) :	1,75	2,20

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

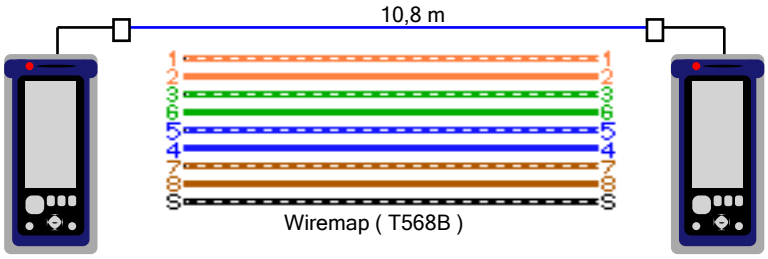
Reporting Software : 6.2.7

Copper Certification Report

Fail*

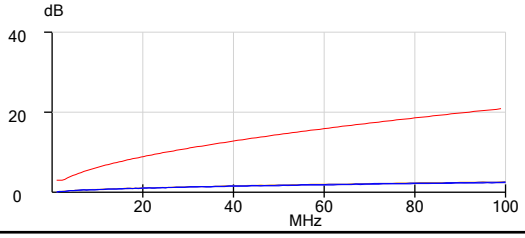
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-17

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:06:56
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

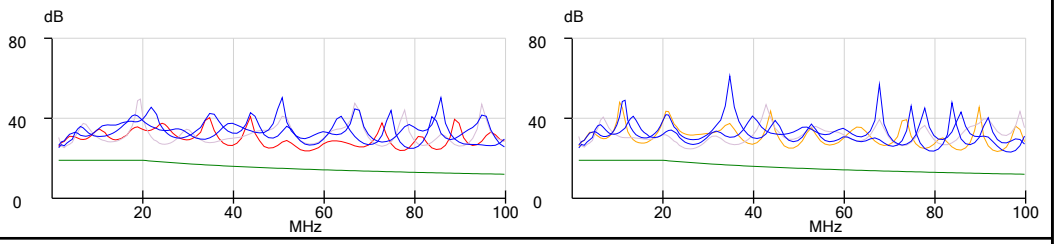
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,4
Margin (dB) :	2,8	17,8
Frequency (MHz) :	1,60	95,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	61,0	498,0	437,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,3	21,0	17,7

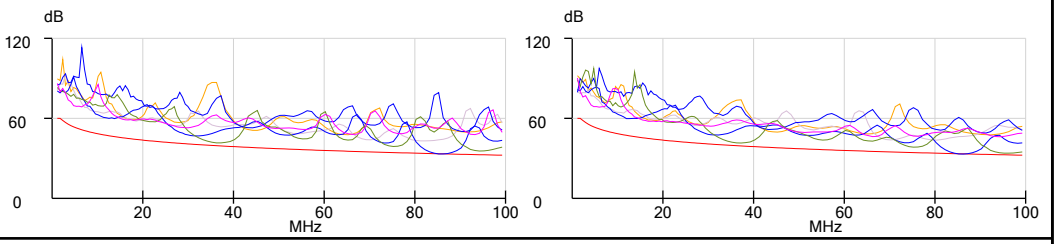
Return Loss :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	25,2	25,2
Limit (dB) :	19,0	19,0
Margin (dB) :	6,2	6,2
Frequency (MHz) :	2,80	1,45



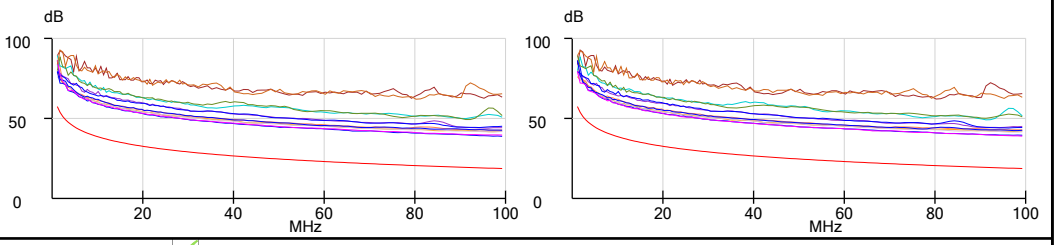
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	33,3	33,1
Limit (dB) :	33,4	33,4
Margin (dB) :	-0,1	-0,3
Frequency (MHz) :	85,25	86,00



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	63,3	67,4
Limit (dB) :	43,6	47,6
Margin (dB) :	19,7	19,8
Frequency (MHz) :	5,65	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	33,0	32,9
Limit (dB) :	30,5	30,4
Margin (dB) :	2,5	2,5
Frequency (MHz) :	85,00	85,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	68,7	69,2
Limit (dB) :	48,8	50,8
Margin (dB) :	19,9	18,4
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

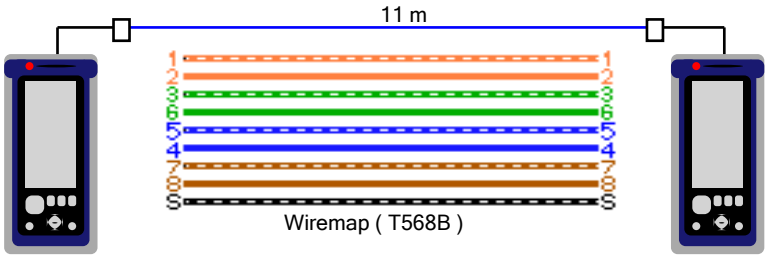
Reporting Software : 6.2.7

Copper Certification Report

Fail*

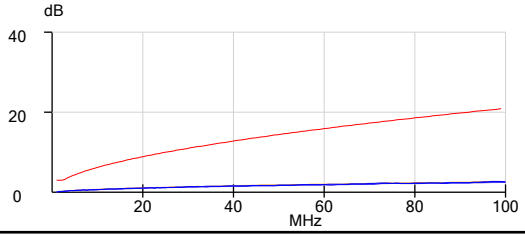
Site : BTS SN
Operator : gege four
Cable Label : CB-18

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:07:40
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

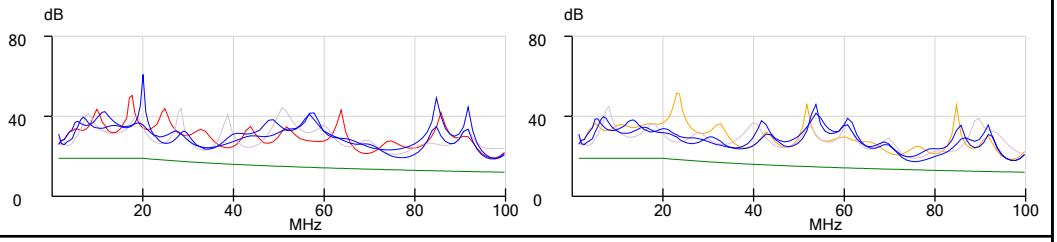
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,2	2,7
Limit (dB) :	3,0	20,9
Margin (dB) :	2,8	18,2
Frequency (MHz) :	1,60	99,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	62,0	498,0	436,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,4	21,0	17,6

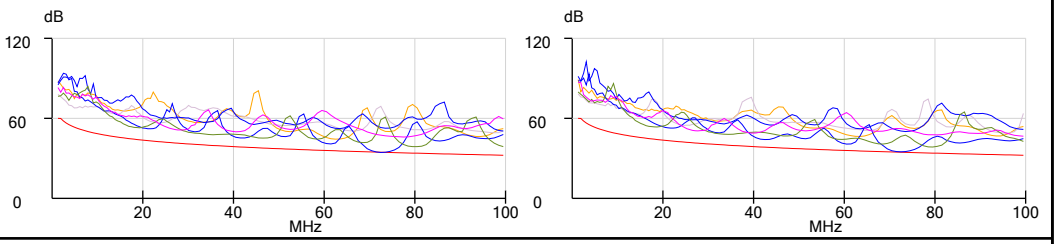
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	19,3	17,4
Limit (dB) :	13,2	13,3
Margin (dB) :	6,1	4,1
Frequency (MHz) :	76,75	75,00



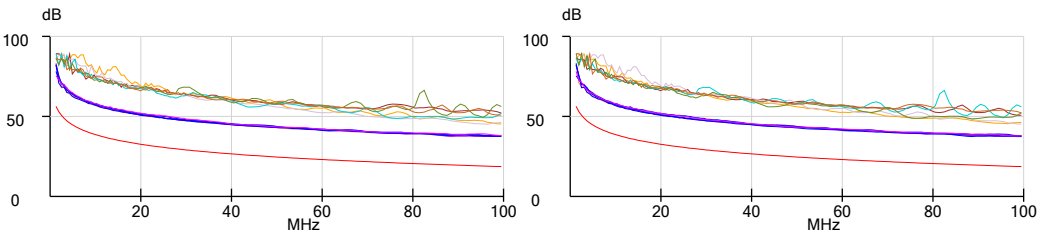
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	34,4	34,9
Limit (dB) :	34,6	34,6
Margin (dB) :	-0,2	0,3
Frequency (MHz) :	72,50	72,00



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	69,0	69,0
Limit (dB) :	51,8	51,8
Margin (dB) :	17,2	17,2
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	34,2	34,6
Limit (dB) :	31,6	31,7
Margin (dB) :	2,6	2,9
Frequency (MHz) :	72,50	71,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	40,1	67,0
Limit (dB) :	23,5	50,8
Margin (dB) :	16,6	16,2
Frequency (MHz) :	40,50	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

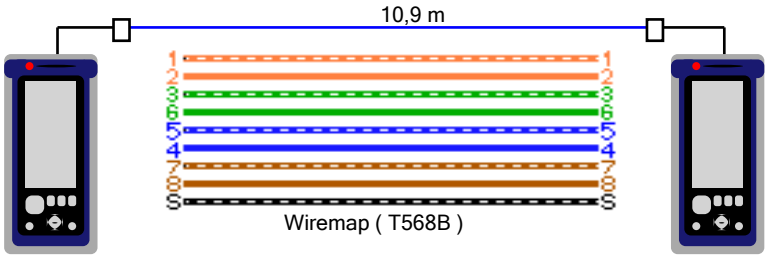
Reporting Software : 6.2.7

Copper Certification Report

Fail

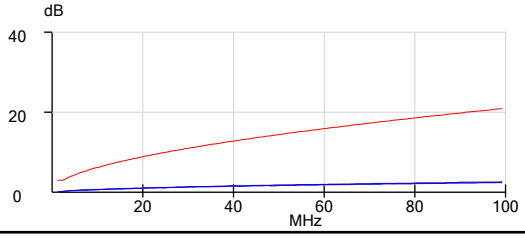
Site :	BTS SN
Operator :	gege four
Cable Label :	CB-19

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:08:12
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

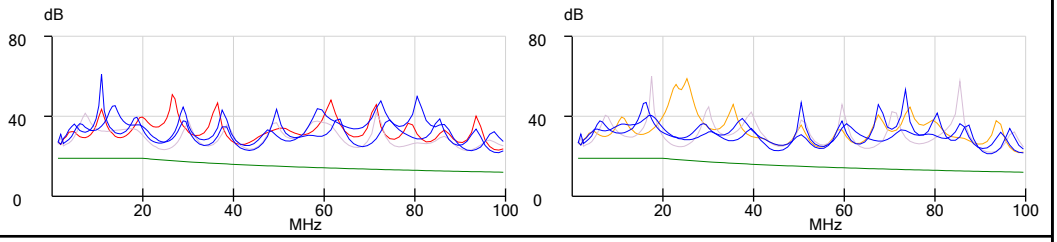
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,4
Margin (dB) :	2,8	17,8
Frequency (MHz) :	1,75	95,25



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	61,0	498,0	437,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	3,3	21,0	17,7

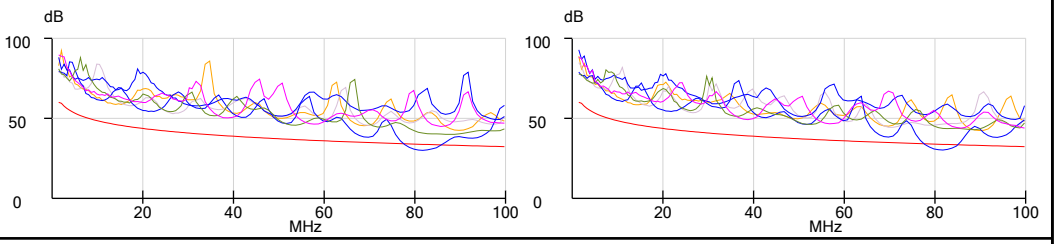
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	23,3	25,0
Limit (dB) :	18,1	19,0
Margin (dB) :	5,2	6,0
Frequency (MHz) :	24,70	2,50



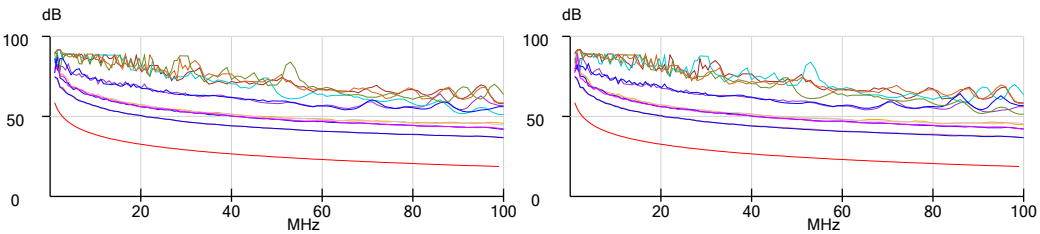
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	30,0	30,3
Limit (dB) :	33,7	33,8
Margin (dB) :	-3,7	-3,5
Frequency (MHz) :	81,75	81,00



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	69,2	69,1
Limit (dB) :	53,8	53,8
Margin (dB) :	15,3	15,3
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	29,6	30,1
Limit (dB) :	30,8	30,8
Margin (dB) :	-1,2	-0,7
Frequency (MHz) :	81,25	80,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	72,4	72,6
Limit (dB) :	55,6	55,6
Margin (dB) :	16,8	17,0
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

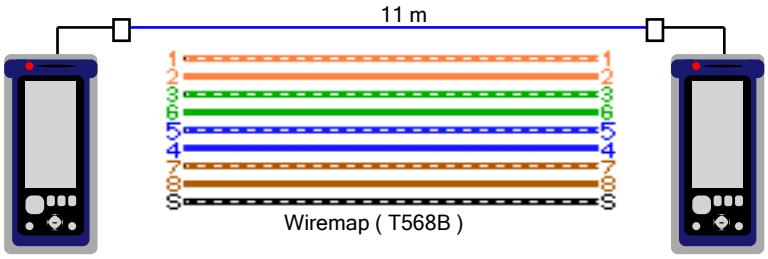
Reporting Software : 6.2.7

Copper Certification Report

Pass*

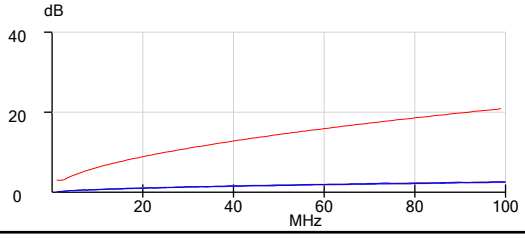
Site : BTS SN
Operator : gege four
Cable Label : CB-20

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:08:37
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

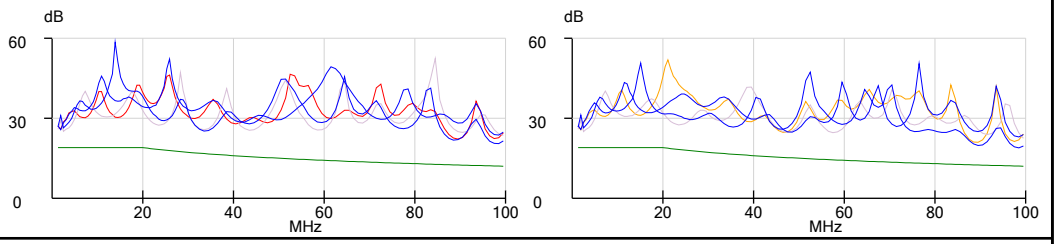
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,4
Margin (dB) :	2,8	17,8
Frequency (MHz) :	1,60	94,75



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	62,0	498,0	436,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,3	21,0	17,7

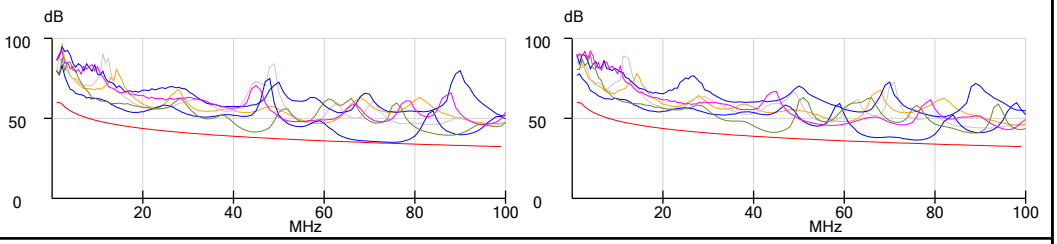
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,1	25,0
Limit (dB) :	19,0	19,0
Margin (dB) :	6,1	6,0
Frequency (MHz) :	2,50	2,50



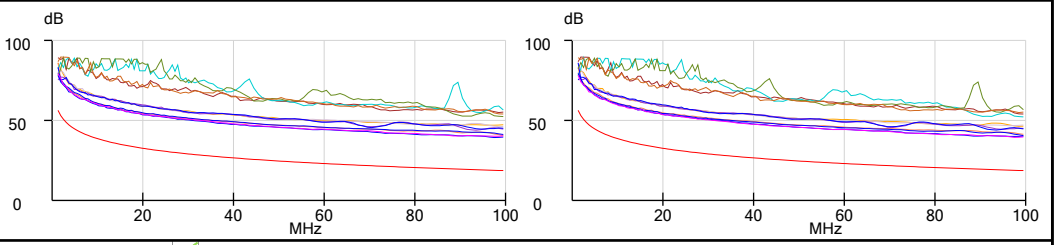
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	35,1	36,4
Limit (dB) :	34,5	34,3
Margin (dB) :	0,6	2,1
Frequency (MHz) :	74,00	75,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	45-78
Value (dB) :	39,3	40,0
Limit (dB) :	18,8	19,6
Margin (dB) :	20,5	20,5
Frequency (MHz) :	97,50	89,00



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	34,6	36,1
Limit (dB) :	31,4	31,4
Margin (dB) :	3,2	4,7
Frequency (MHz) :	74,75	74,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	73,6	72,9
Limit (dB) :	54,4	54,4
Margin (dB) :	19,2	18,5
Frequency (MHz) :	1,15	1,15

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

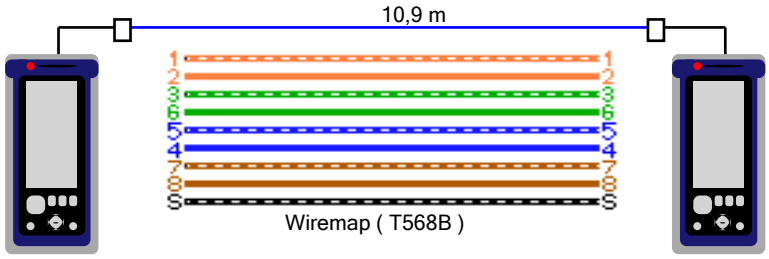
Reporting Software : 6.2.7

Copper Certification Report

Pass*

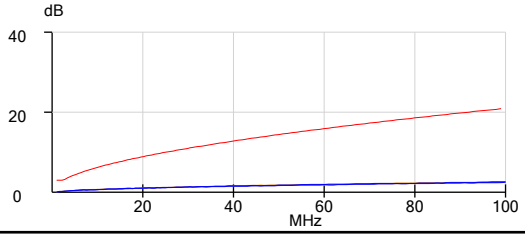
Site : BTS SN
Operator : gege four
Cable Label : CB-21

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:09:04
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

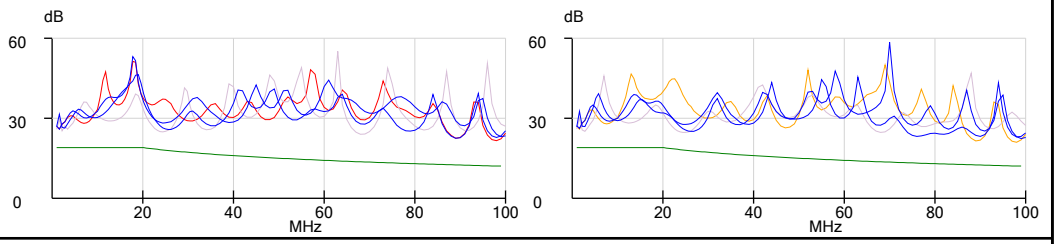
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,3
Margin (dB) :	2,8	17,7
Frequency (MHz) :	1,60	94,25



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	62,0	498,0	436,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,4	21,0	17,6

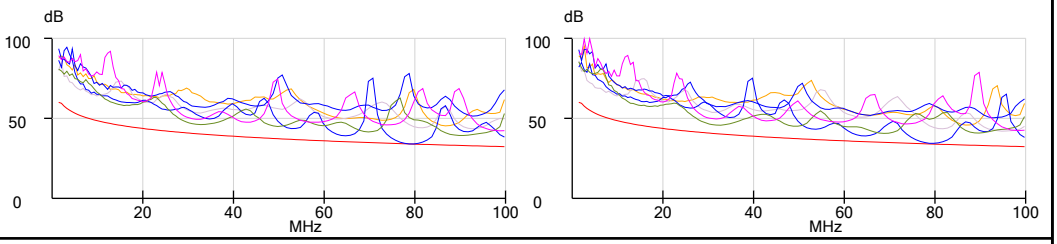
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,3	25,1
Limit (dB) :	19,0	19,0
Margin (dB) :	6,3	6,1
Frequency (MHz) :	2,20	2,65



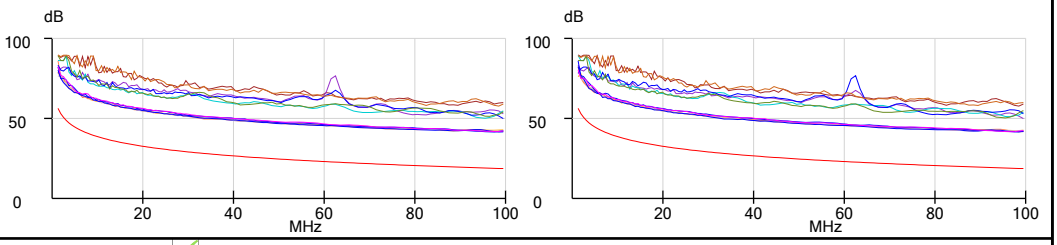
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	34,0	34,4
Limit (dB) :	34,0	34,0
Margin (dB) :	0,0	0,4
Frequency (MHz) :	78,75	78,75



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	68,6	68,6
Limit (dB) :	48,4	48,4
Margin (dB) :	20,2	20,3
Frequency (MHz) :	3,25	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	33,6	34,0
Limit (dB) :	31,0	31,0
Margin (dB) :	2,6	3,0
Frequency (MHz) :	79,25	78,75

PSACRF :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	75,1	73,9
Limit (dB) :	55,6	55,6
Margin (dB) :	19,5	18,3
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

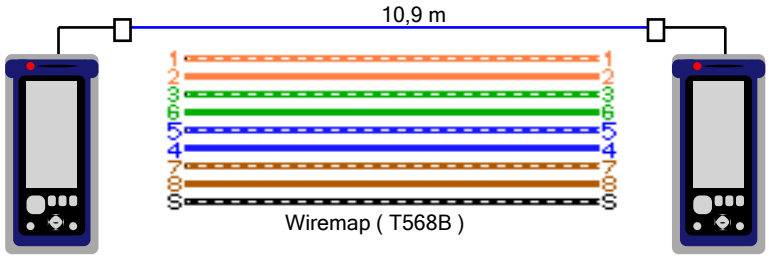
Reporting Software : 6.2.7

Copper Certification Report

Pass

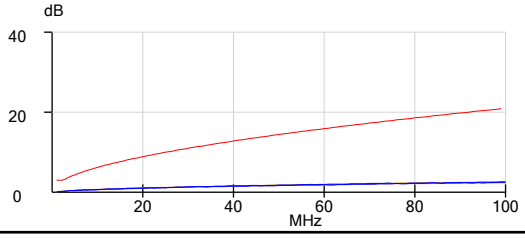
Site : BTS SN
Operator : gege four
Cable Label : CB-22

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:09:28
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

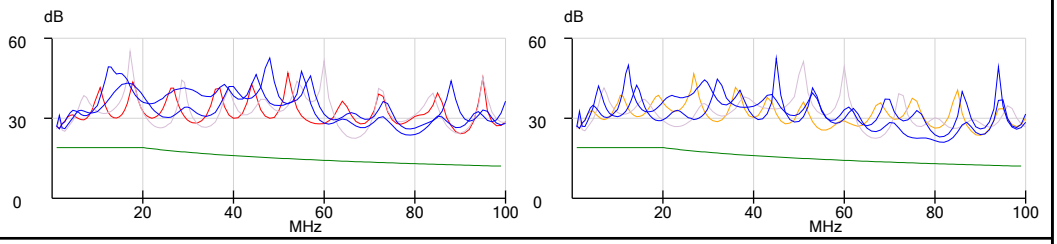
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,4
Margin (dB) :	2,8	17,8
Frequency (MHz) :	1,60	95,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	62,0	498,0	436,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,5	21,0	17,5

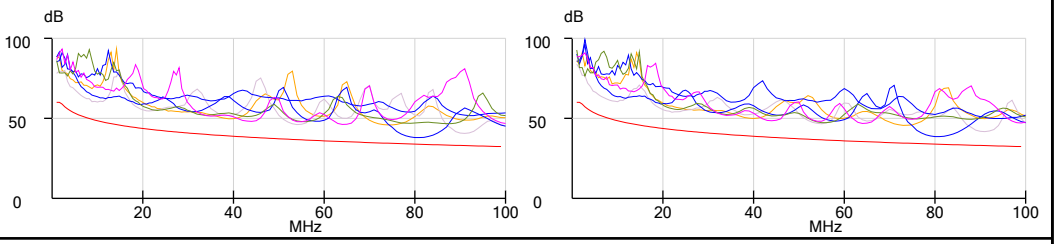
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,1	25,2
Limit (dB) :	19,0	19,0
Margin (dB) :	6,1	6,2
Frequency (MHz) :	2,80	2,95



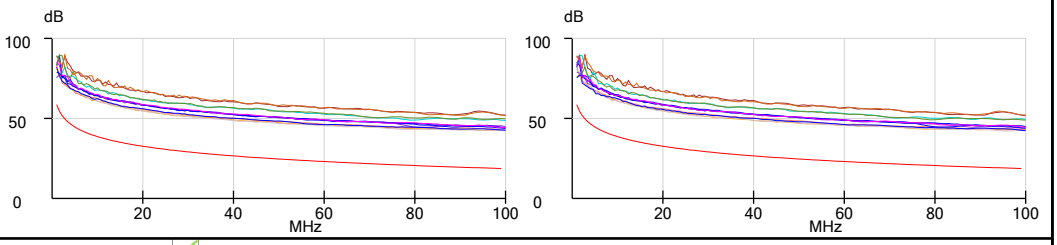
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	38,0	38,6
Limit (dB) :	33,9	33,9
Margin (dB) :	4,1	4,7
Frequency (MHz) :	80,00	79,75



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	65,5	65,4
Limit (dB) :	44,3	44,3
Margin (dB) :	21,1	21,1
Frequency (MHz) :	5,20	5,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	37,3	38,3
Limit (dB) :	30,9	30,9
Margin (dB) :	6,4	7,4
Frequency (MHz) :	80,25	79,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,2	72,6
Limit (dB) :	55,6	55,6
Margin (dB) :	18,6	17,0
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

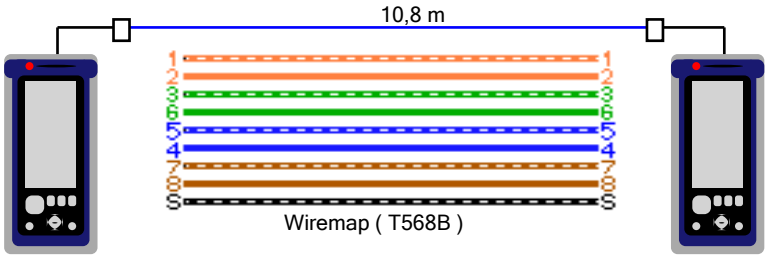
Reporting Software : 6.2.7

Copper Certification Report

Fail

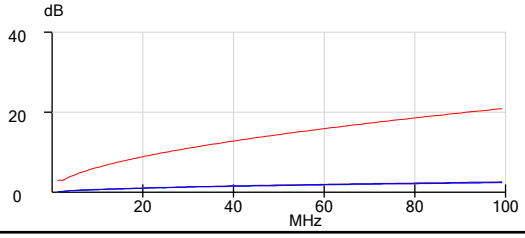
Site : BTS SN
Operator : gege four
Cable Label : CB-23

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:09:56
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

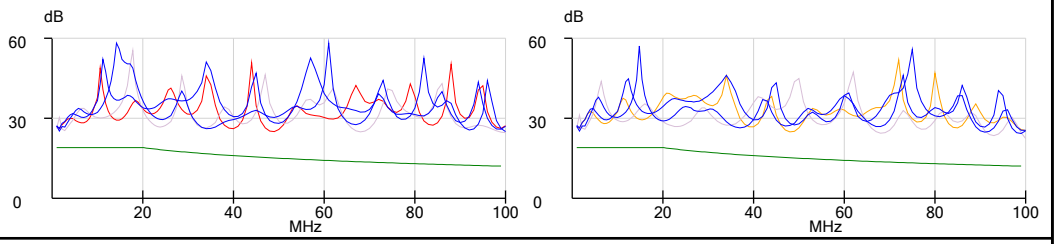
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,5
Margin (dB) :	2,8	17,9
Frequency (MHz) :	1,75	95,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	61,0	498,0	437,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,4	21,0	17,6

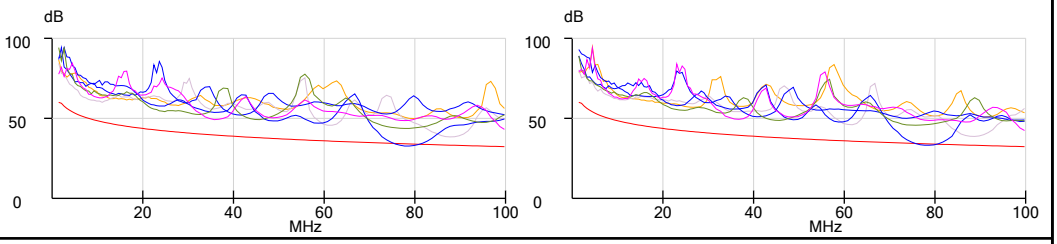
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	25,2	25,2
Limit (dB) :	19,0	19,0
Margin (dB) :	6,2	6,2
Frequency (MHz) :	1,60	1,60



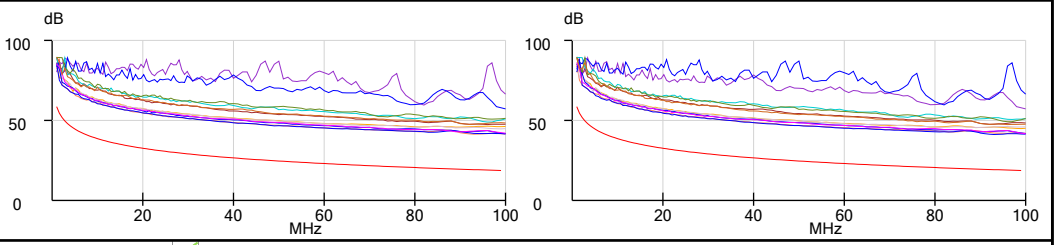
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	32,7	33,1
Limit (dB) :	34,1	34,1
Margin (dB) :	-1,4	-1,0
Frequency (MHz) :	77,75	78,00



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	64,6	64,5
Limit (dB) :	43,6	43,6
Margin (dB) :	21,0	20,9
Frequency (MHz) :	5,65	5,65



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	32,3	32,9
Limit (dB) :	31,1	31,1
Margin (dB) :	1,2	1,8
Frequency (MHz) :	78,00	77,75

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	71,1	70,4
Limit (dB) :	50,8	50,8
Margin (dB) :	20,3	19,6
Frequency (MHz) :	1,75	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

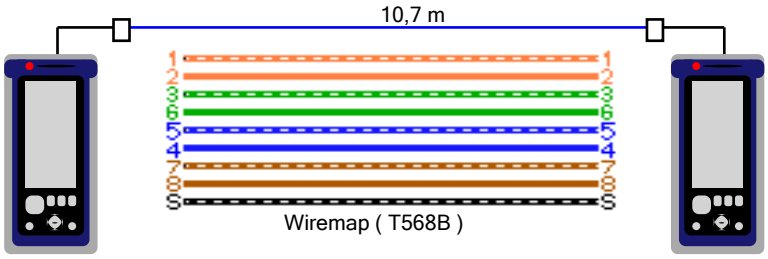
Reporting Software : 6.2.7

Copper Certification Report

Pass

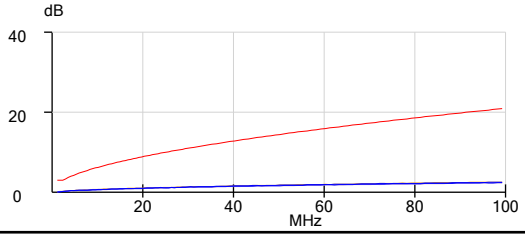
Site : BTS SN
Operator : gege four
Cable Label : CB-24

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:10:24
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

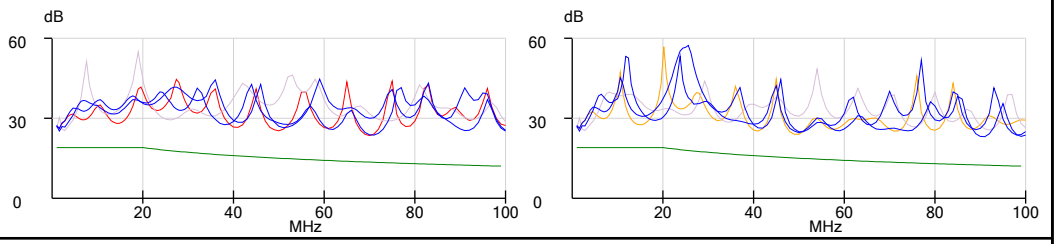
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,5
Limit (dB) :	3,0	20,0
Margin (dB) :	2,8	17,5
Frequency (MHz) :	1,75	91,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	60,0	498,0	438,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	3,3	21,0	17,7

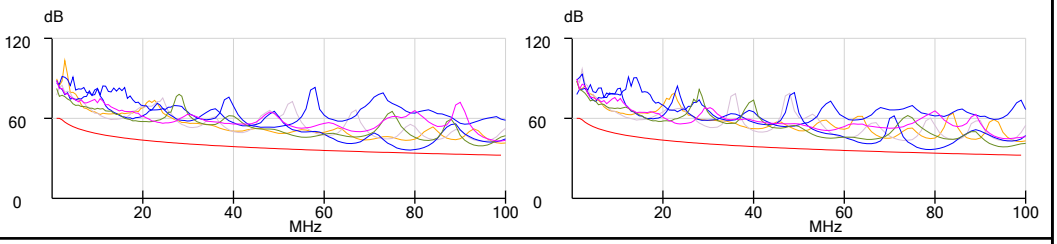
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	25,2	25,2
Limit (dB) :	19,0	19,0
Margin (dB) :	6,2	6,2
Frequency (MHz) :	1,60	1,60



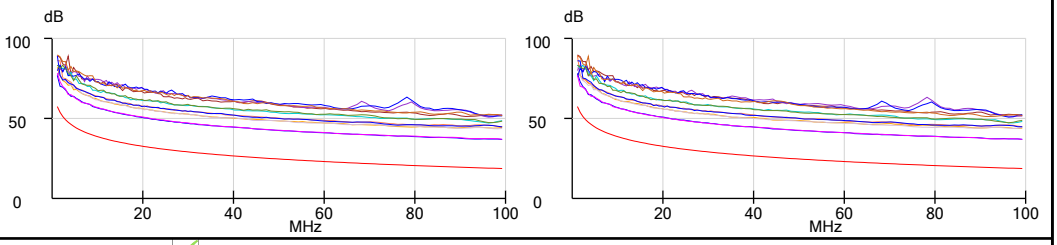
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	36,2	36,6
Limit (dB) :	34,0	34,0
Margin (dB) :	2,2	2,6
Frequency (MHz) :	79,00	78,50



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	68,7	68,8
Limit (dB) :	51,8	51,8
Margin (dB) :	17,0	17,0
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	35,3	35,8
Limit (dB) :	31,0	31,0
Margin (dB) :	4,3	4,8
Frequency (MHz) :	79,00	78,50

PSACRF :

	Local :	Remote :
Worst Pair :	78	45
Value (dB) :	69,7	69,1
Limit (dB) :	50,8	50,8
Margin (dB) :	18,9	18,3
Frequency (MHz) :	1,75	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

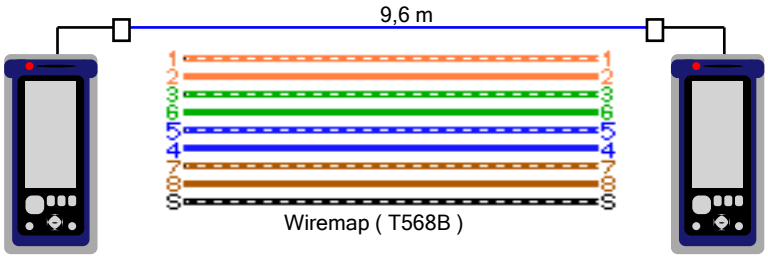
Reporting Software : 6.2.7

Copper Certification Report

Pass

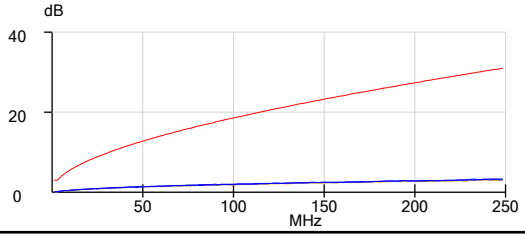
Site :	BTS SN
Operator :	gege four
Cable Label :	f-1

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:11:46
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

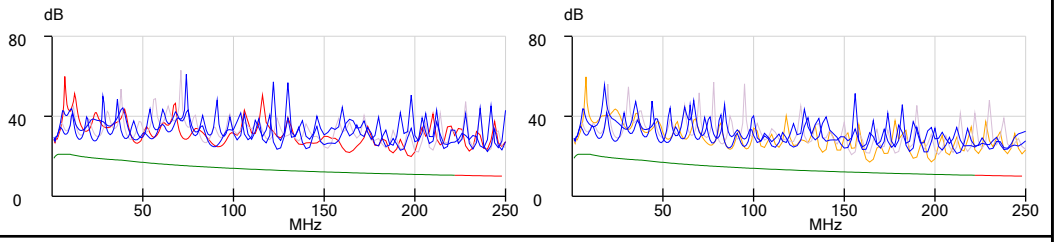
	Worst Margin :	Worst Value :
Worst Pair :	45	45
Value (dB) :	0,2	3,3
Limit (dB) :	3,0	29,8
Margin (dB) :	2,8	26,5
Frequency (MHz) :	2,95	231,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	57,0	498,0	441,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	2,7	21,0	18,3

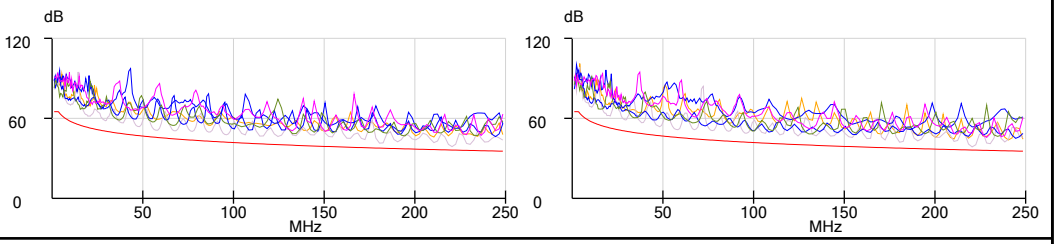
Return Loss :

	Local :	Remote :
Worst Pair :	36	12
Value (dB) :	22,3	21,4
Limit (dB) :	10,2	10,5
Margin (dB) :	12,1	10,9
Frequency (MHz) :	240,50	223,50



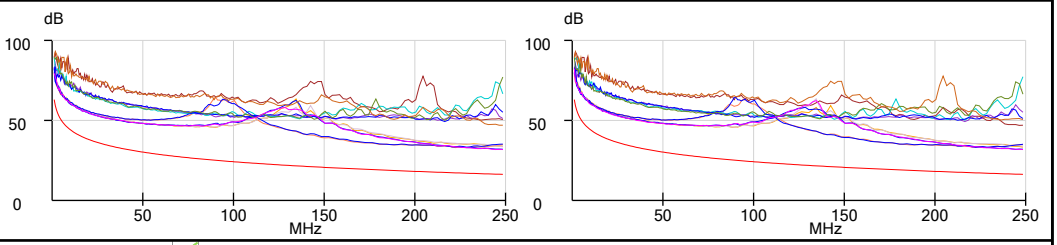
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	38,8	38,6
Limit (dB) :	36,2	36,2
Margin (dB) :	2,6	2,4
Frequency (MHz) :	220,50	220,50



ACRF :

	Local :	Remote :
Worst Pair :	78-45	12-45
Value (dB) :	31,9	69,3
Limit (dB) :	16,5	54,0
Margin (dB) :	15,4	15,4
Frequency (MHz) :	243,00	3,25



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	38,2	37,9
Limit (dB) :	33,6	33,6
Margin (dB) :	4,6	4,3
Frequency (MHz) :	220,00	220,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	75,8	68,1
Limit (dB) :	61,2	54,3
Margin (dB) :	14,6	13,8
Frequency (MHz) :	1,00	2,20

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

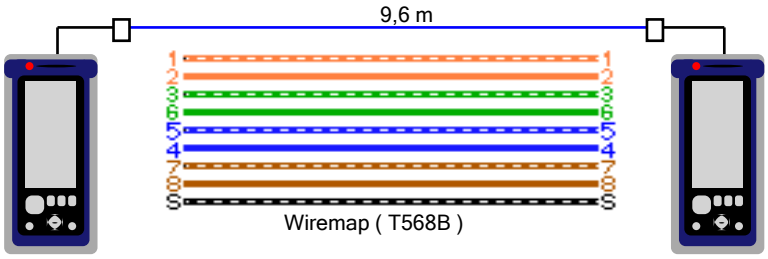
Reporting Software : 6.2.7

Copper Certification Report

Pass

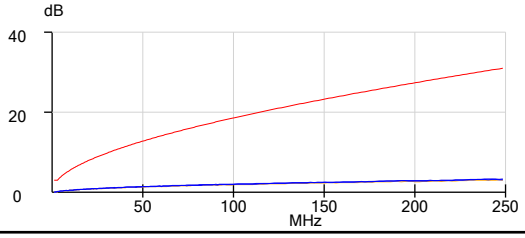
Site :	BTS SN
Operator :	gege four
Cable Label :	f-2

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:12:45
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

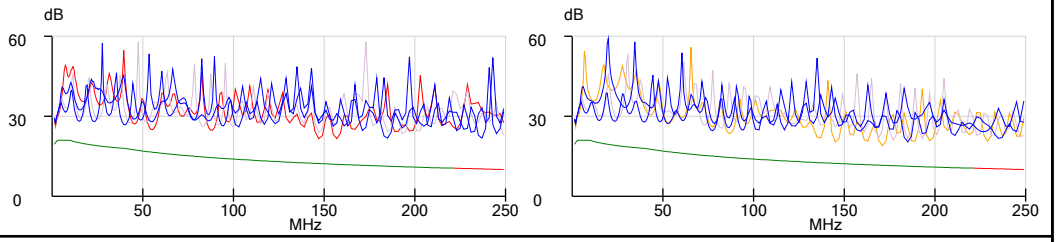
	Worst Margin :	Worst Value :
Worst Pair :	45	45
Value (dB) :	0,2	3,3
Limit (dB) :	3,0	30,2
Margin (dB) :	2,8	26,9
Frequency (MHz) :	2,95	237,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	58,0	498,0	440,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	2,8	21,0	18,2

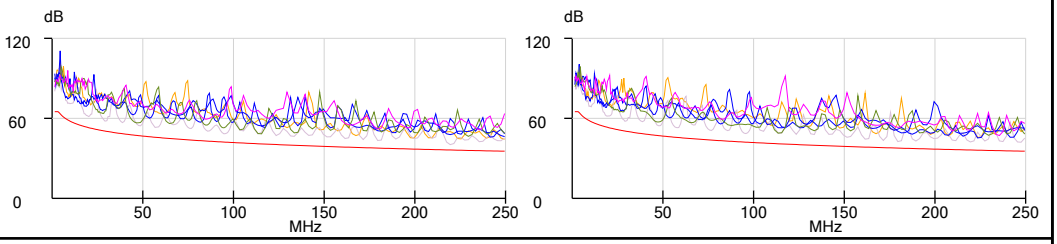
Return Loss :

	Local :	Remote :
Worst Pair :	78	12
Value (dB) :	21,7	20,7
Limit (dB) :	10,3	10,4
Margin (dB) :	11,4	10,3
Frequency (MHz) :	236,50	229,00



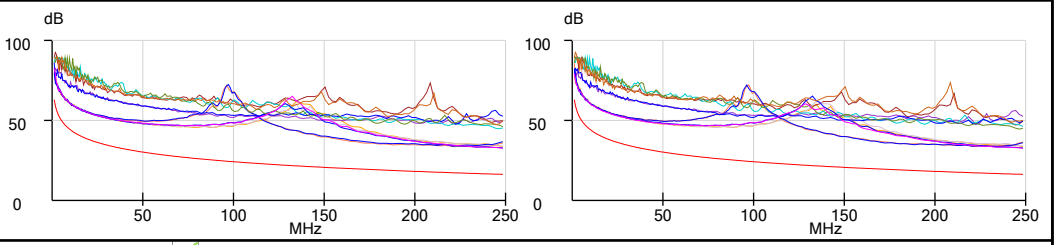
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	40,3	42,4
Limit (dB) :	36,3	37,7
Margin (dB) :	4,0	4,7
Frequency (MHz) :	219,50	180,00



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	67,4	67,4
Limit (dB) :	52,5	52,5
Margin (dB) :	14,9	14,8
Frequency (MHz) :	3,85	3,85



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	39,2	41,6
Limit (dB) :	33,6	35,1
Margin (dB) :	5,6	6,5
Frequency (MHz) :	219,50	180,00

PSACRF :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	75,9	70,5
Limit (dB) :	61,2	56,3
Margin (dB) :	14,7	14,2
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

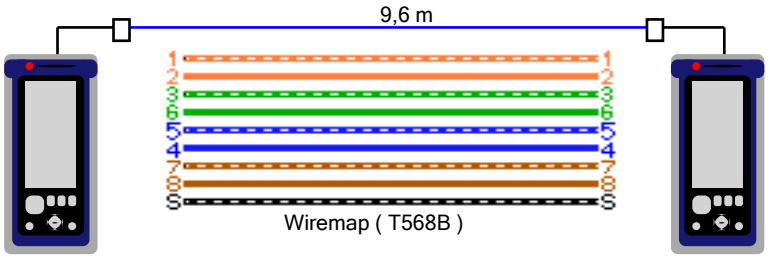
Reporting Software : 6.2.7

Copper Certification Report

Pass

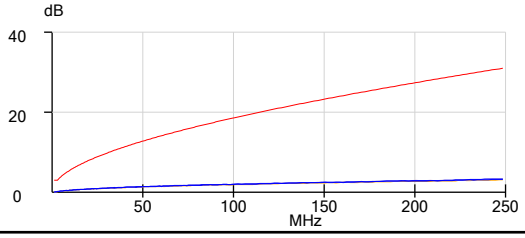
Site : BTS SN
Operator : gege four
Cable Label : f-3

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 14:13:41
Cable Name : CAT 6 FTP
Connector Name : STP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

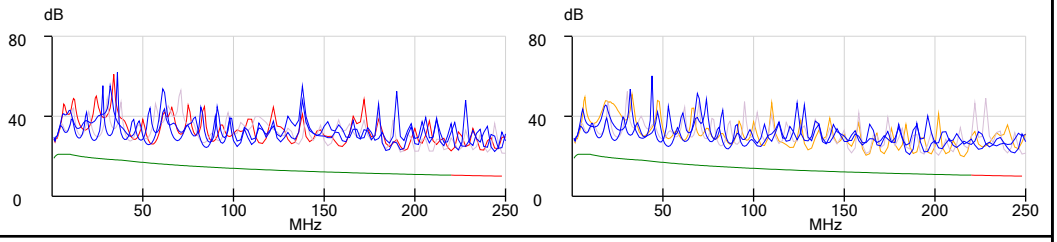
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,2	3,4
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,7
Frequency (MHz) :	2,95	249,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	57,0	498,0	441,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	2,7	21,0	18,3

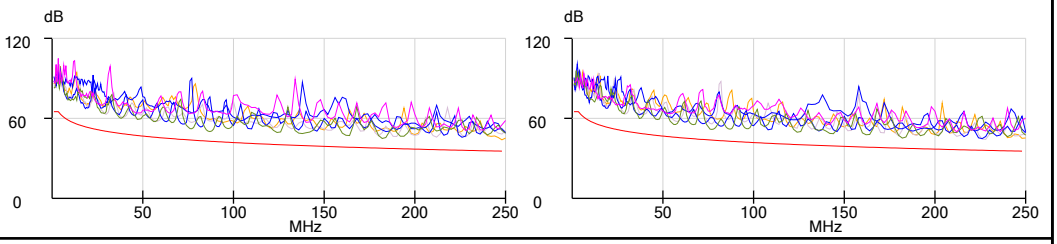
Return Loss :

	Local :	Remote :
Worst Pair :	36	12
Value (dB) :	21,0	20,7
Limit (dB) :	10,0	10,6
Margin (dB) :	11,0	10,1
Frequency (MHz) :	249,00	217,00



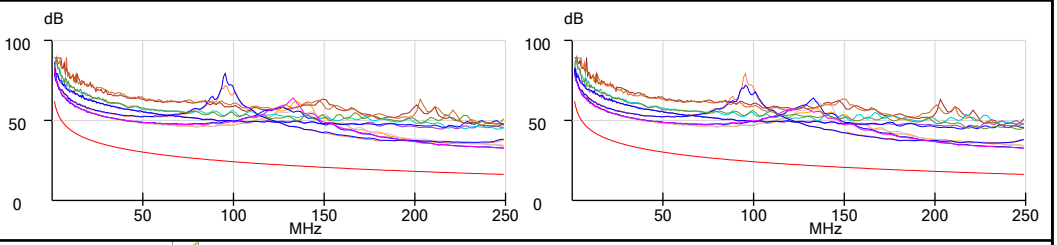
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	50,1	45,2
Limit (dB) :	42,8	37,6
Margin (dB) :	7,3	7,6
Frequency (MHz) :	87,00	182,00



ACRF :

	Local :	Remote :
Worst Pair :	78-45	45-78
Value (dB) :	68,3	68,3
Limit (dB) :	52,5	52,5
Margin (dB) :	15,8	15,8
Frequency (MHz) :	3,85	3,85



PSNEXT :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	43,9	41,1
Limit (dB) :	35,0	33,4
Margin (dB) :	8,9	7,7
Frequency (MHz) :	182,00	226,50

PSACRF :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	71,5	75,3
Limit (dB) :	57,1	61,2
Margin (dB) :	14,4	14,1
Frequency (MHz) :	1,60	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

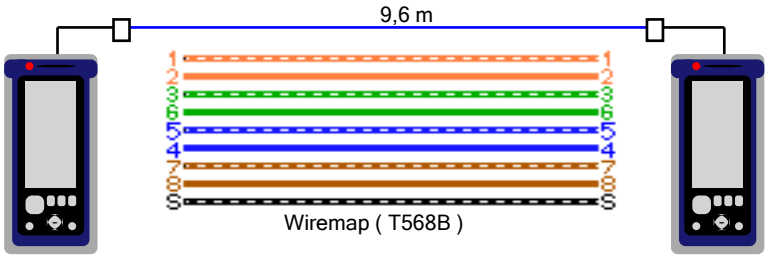
Reporting Software : 6.2.7

Copper Certification Report

Pass

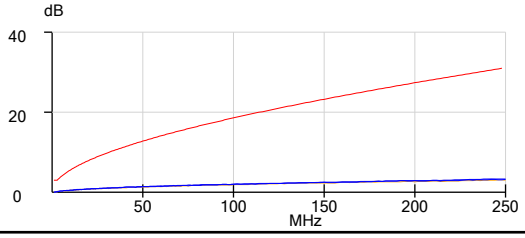
Site : BTS SN
Operator : gege four
Cable Label : f-4

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 14:14:19
Cable Name : CAT 6 FTP
Connector Name : STP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

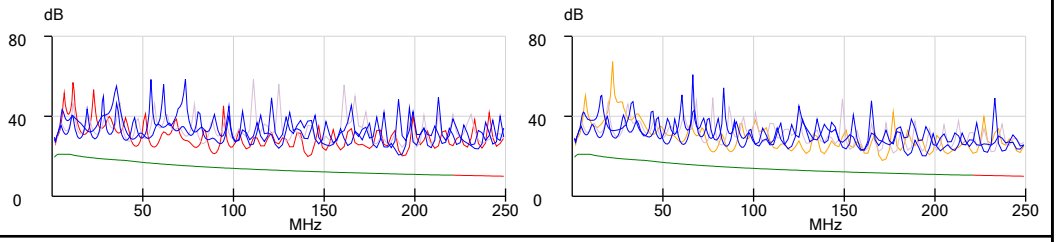
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,2	3,3
Limit (dB) :	3,0	30,2
Margin (dB) :	2,8	26,9
Frequency (MHz) :	2,80	237,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	58,0	498,0	440,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	2,7	21,0	18,3

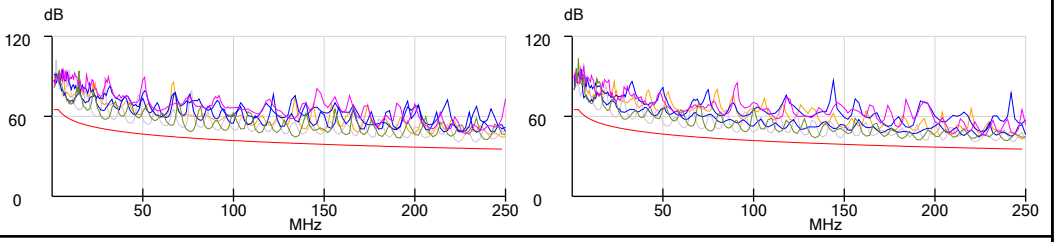
Return Loss :

	Local :	Remote :
Worst Pair :	78	12
Value (dB) :	23,5	21,5
Limit (dB) :	10,3	10,6
Margin (dB) :	13,2	10,9
Frequency (MHz) :	234,00	221,00



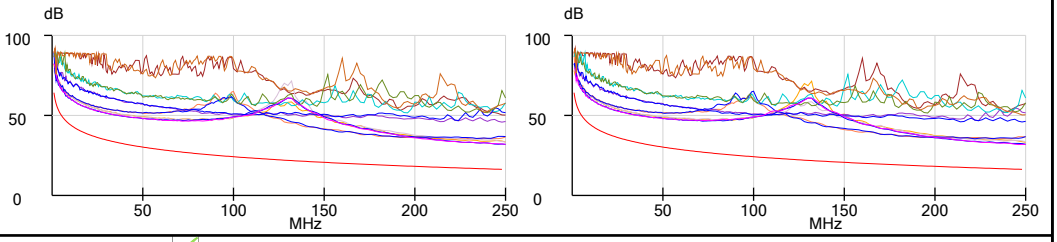
NEXT :

	Local :	Remote :
Worst Pair :	12-45	36-78
Value (dB) :	40,7	43,9
Limit (dB) :	36,1	39,8
Margin (dB) :	4,6	4,1
Frequency (MHz) :	224,00	134,00



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	67,1	67,0
Limit (dB) :	51,8	51,8
Margin (dB) :	15,2	15,2
Frequency (MHz) :	4,15	4,15



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	39,7	38,8
Limit (dB) :	33,5	32,9
Margin (dB) :	6,2	5,9
Frequency (MHz) :	224,00	243,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	69,7	68,7
Limit (dB) :	54,3	54,3
Margin (dB) :	15,4	14,4
Frequency (MHz) :	2,20	2,20

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

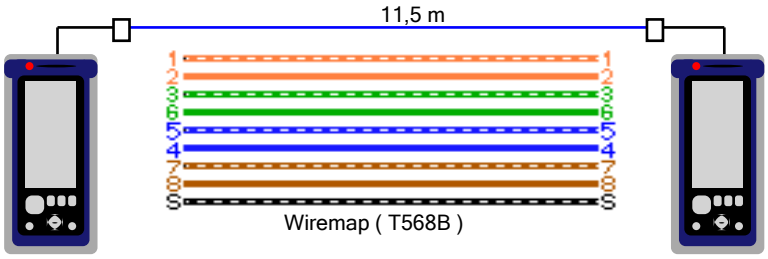
Reporting Software : 6.2.7

Copper Certification Report

Pass

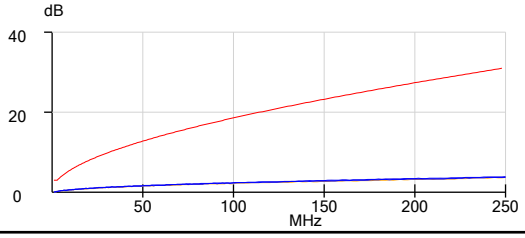
Site :	BTS SN
Operator :	gege four
Cable Label :	f-5

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:14:58
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

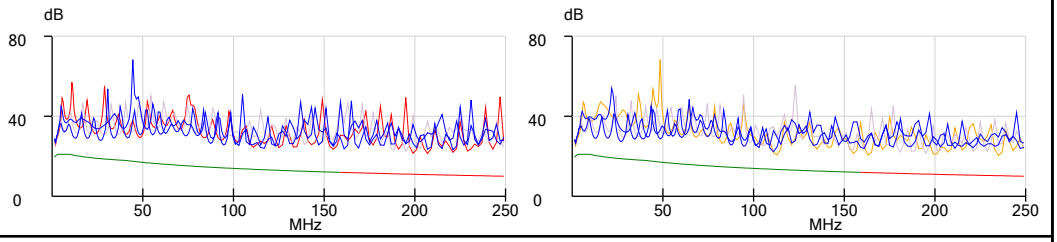
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,2	3,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,2
Frequency (MHz) :	2,20	250,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	68,0	498,0	430,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,2	21,0	17,8

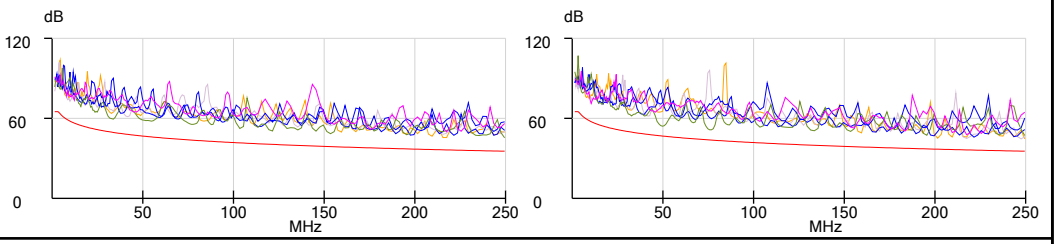
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	21,5	20,4
Limit (dB) :	11,0	11,9
Margin (dB) :	10,5	8,5
Frequency (MHz) :	199,00	163,50



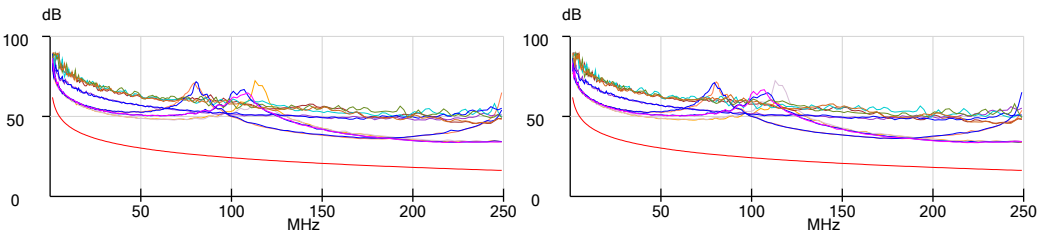
NEXT :

	Local :	Remote :
Worst Pair :	12-36	36-78
Value (dB) :	45,0	54,1
Limit (dB) :	36,4	46,7
Margin (dB) :	8,6	7,4
Frequency (MHz) :	216,50	49,75



ACRF :

	Local :	Remote :
Worst Pair :	78-45	78-45
Value (dB) :	33,7	33,6
Limit (dB) :	17,5	17,4
Margin (dB) :	16,2	16,2
Frequency (MHz) :	217,00	217,50



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	43,1	42,0
Limit (dB) :	33,8	33,7
Margin (dB) :	9,3	8,3
Frequency (MHz) :	216,00	217,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	72,3	75,5
Limit (dB) :	57,1	61,2
Margin (dB) :	15,2	14,3
Frequency (MHz) :	1,60	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

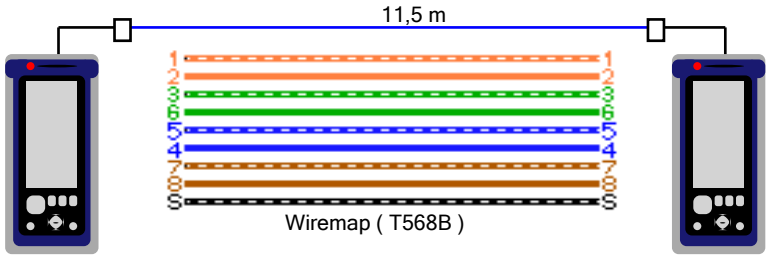
Reporting Software : 6.2.7

Copper Certification Report

Pass

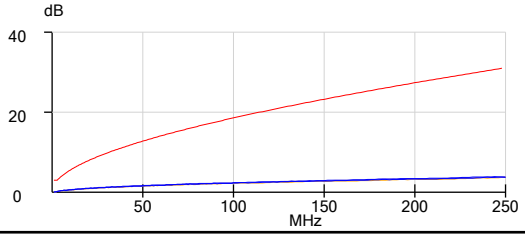
Site : BTS SN
Operator : gege four
Cable Label : f-6

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 14:15:27
Cable Name : CAT 6 FTP
Connector Name : STP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

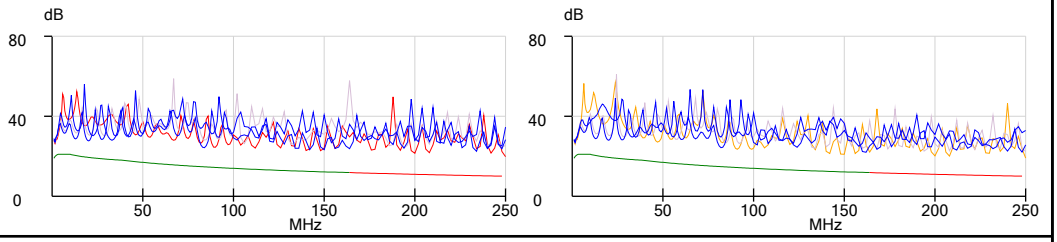
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,2	3,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,2
Frequency (MHz) :	2,80	250,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	68,0	498,0	430,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,1	21,0	17,9

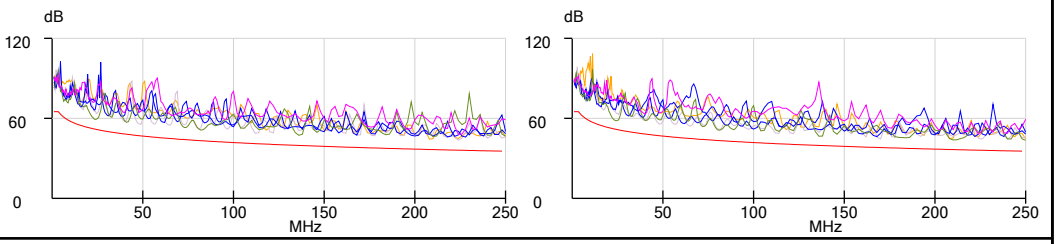
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	19,8	21,2
Limit (dB) :	10,0	12,1
Margin (dB) :	9,8	9,1
Frequency (MHz) :	250,00	156,50



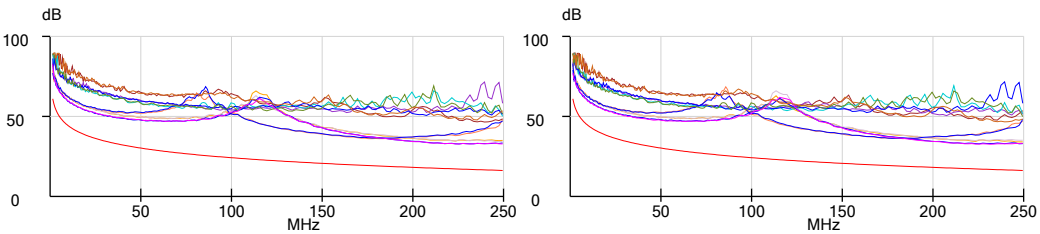
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	59,2	58,1
Limit (dB) :	51,9	51,8
Margin (dB) :	7,3	6,3
Frequency (MHz) :	23,80	24,10



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	68,0	68,0
Limit (dB) :	53,2	53,2
Margin (dB) :	14,8	14,8
Frequency (MHz) :	3,55	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	41,1	42,1
Limit (dB) :	34,0	35,6
Margin (dB) :	7,1	6,5
Frequency (MHz) :	209,00	168,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	74,0	70,6
Limit (dB) :	60,0	56,3
Margin (dB) :	14,0	14,3
Frequency (MHz) :	1,15	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

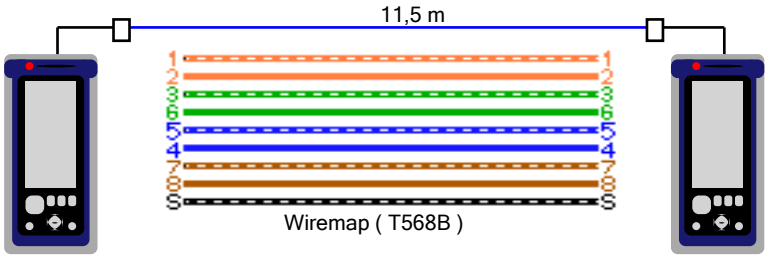
Reporting Software : 6.2.7

Copper Certification Report

Pass

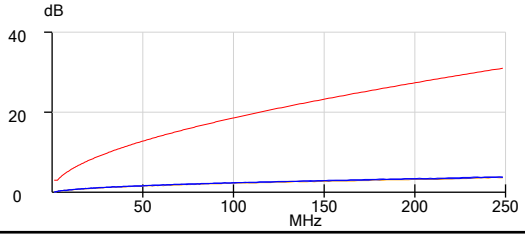
Site :	BTS SN
Operator :	gege four
Cable Label :	f-7

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:16:00
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

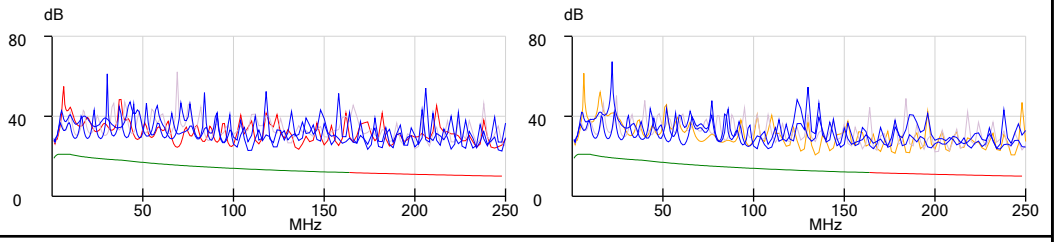
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,2	3,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,2
Frequency (MHz) :	2,35	250,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	68,0	498,0	430,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	2,9	21,0	18,1

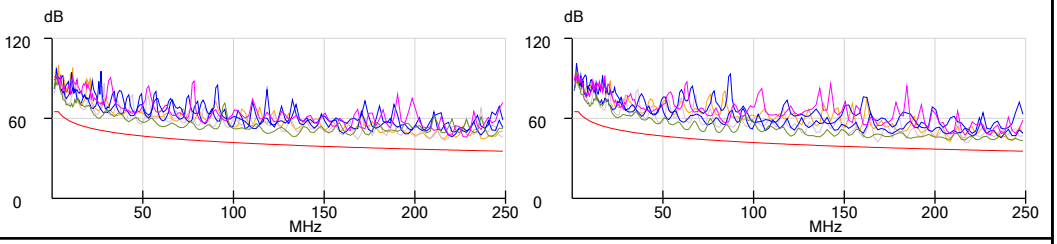
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	23,4	21,2
Limit (dB) :	11,6	11,5
Margin (dB) :	11,8	9,7
Frequency (MHz) :	174,50	177,00



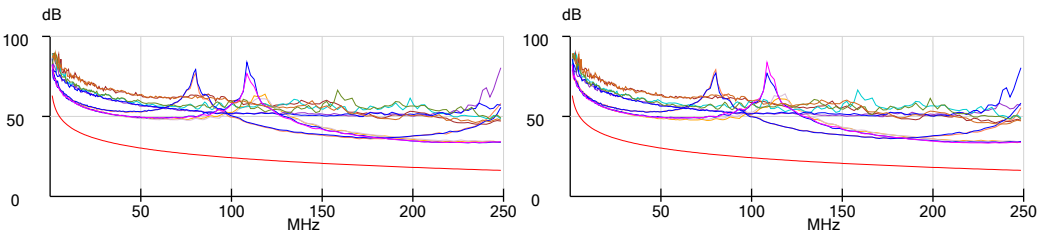
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	44,4	42,5
Limit (dB) :	38,1	38,1
Margin (dB) :	6,3	4,4
Frequency (MHz) :	168,50	168,50



ACRF :

	Local :	Remote :
Worst Pair :	78-45	45-78
Value (dB) :	69,1	69,1
Limit (dB) :	53,2	53,2
Margin (dB) :	15,9	15,8
Frequency (MHz) :	3,55	3,55



PSNEXT :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	40,8	39,8
Limit (dB) :	33,8	34,1
Margin (dB) :	7,0	5,7
Frequency (MHz) :	216,00	207,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	75,3	74,5
Limit (dB) :	61,2	61,2
Margin (dB) :	14,1	13,3
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

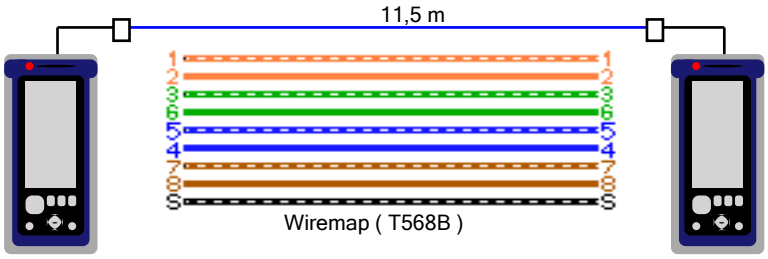
Reporting Software : 6.2.7

Copper Certification Report

Pass

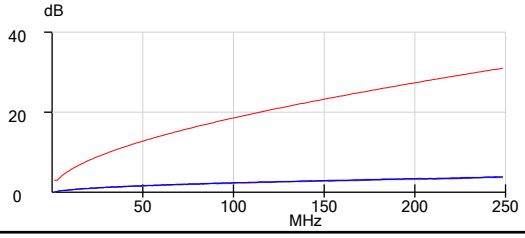
Site :	BTS SN
Operator :	gege four
Cable Label :	f-8

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:16:27
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

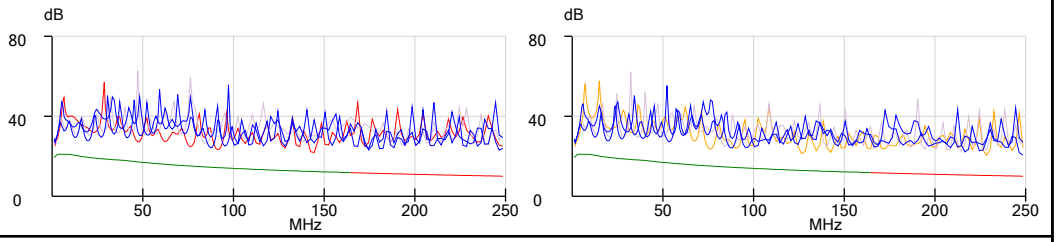
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,2	3,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,2
Frequency (MHz) :	2,35	250,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	68,0	498,0	430,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,2	21,0	17,8

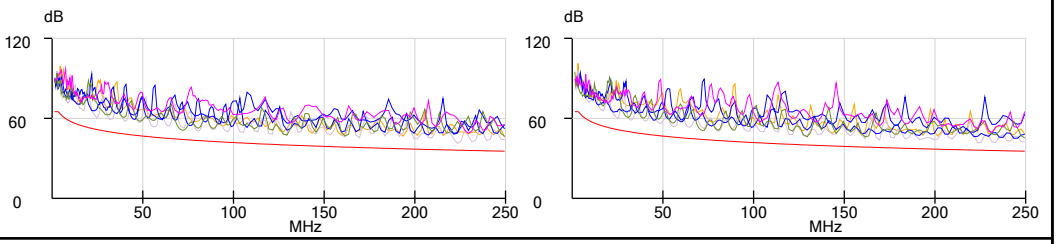
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	23,2	20,5
Limit (dB) :	11,6	10,4
Margin (dB) :	11,6	10,1
Frequency (MHz) :	174,50	228,50



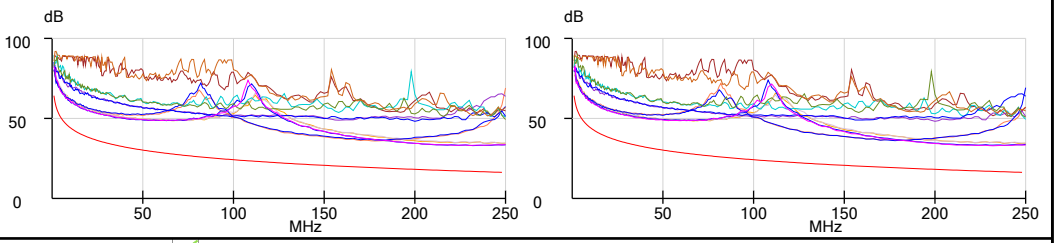
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	41,2	41,2
Limit (dB) :	36,1	36,1
Margin (dB) :	5,1	5,1
Frequency (MHz) :	223,50	224,00



ACRF :

	Local :	Remote :
Worst Pair :	45-78	78-45
Value (dB) :	61,3	33,3
Limit (dB) :	45,6	17,7
Margin (dB) :	15,7	15,6
Frequency (MHz) :	8,50	211,50



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	40,1	39,9
Limit (dB) :	33,5	33,5
Margin (dB) :	6,6	6,4
Frequency (MHz) :	223,50	224,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	74,3	74,9
Limit (dB) :	60,0	61,2
Margin (dB) :	14,3	13,7
Frequency (MHz) :	1,15	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

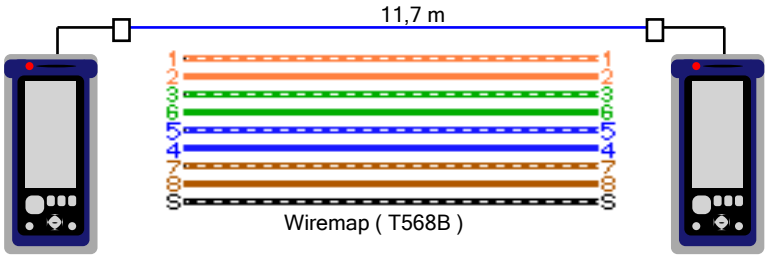
Reporting Software : 6.2.7

Copper Certification Report

Pass

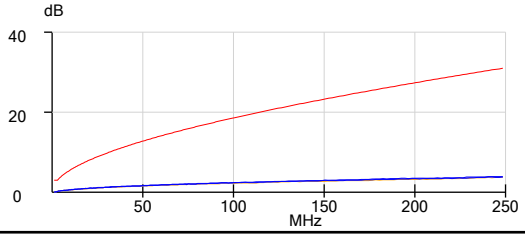
Site :	BTS SN
Operator :	gege four
Cable Label :	f-9

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:17:10
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

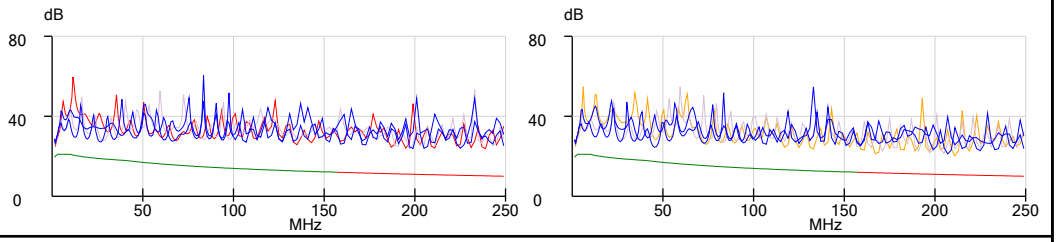
	Worst Margin :	Worst Value :
Worst Pair :	12	45
Value (dB) :	0,2	3,9
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,2
Frequency (MHz) :	2,35	250,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	69,0	498,0	429,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,1	21,0	17,9

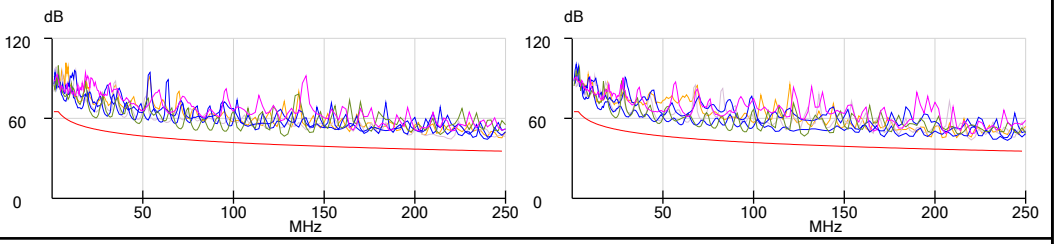
Return Loss :

	Local :	Remote :
Worst Pair :	78	12
Value (dB) :	23,5	21,0
Limit (dB) :	11,0	11,8
Margin (dB) :	12,5	9,2
Frequency (MHz) :	198,00	167,50



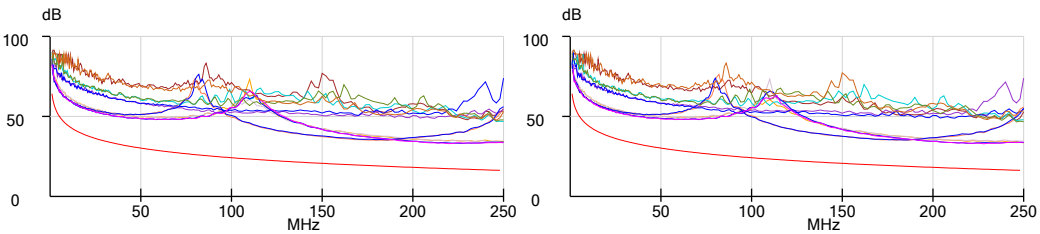
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	46,6	46,7
Limit (dB) :	40,1	40,1
Margin (dB) :	6,5	6,6
Frequency (MHz) :	128,00	128,00



ACRF :

	Local :	Remote :
Worst Pair :	45-12	12-45
Value (dB) :	67,3	67,3
Limit (dB) :	52,5	52,5
Margin (dB) :	14,8	14,8
Frequency (MHz) :	3,85	3,85



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	45,8	45,3
Limit (dB) :	37,5	37,5
Margin (dB) :	8,3	7,8
Frequency (MHz) :	128,00	128,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	61,9	69,5
Limit (dB) :	46,9	56,3
Margin (dB) :	15,0	13,2
Frequency (MHz) :	5,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

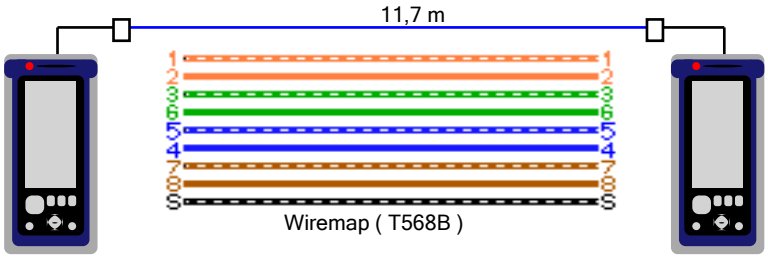
Reporting Software : 6.2.7

Copper Certification Report

Pass

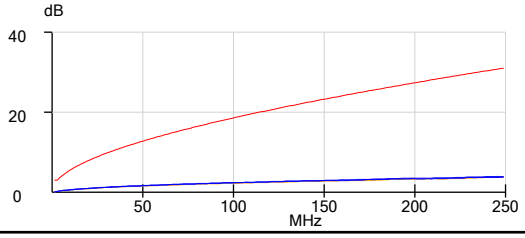
Site : BTS SN
Operator : gege four
Cable Label : f-10

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 14:18:29
Cable Name : CAT 6 FTP
Connector Name : STP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

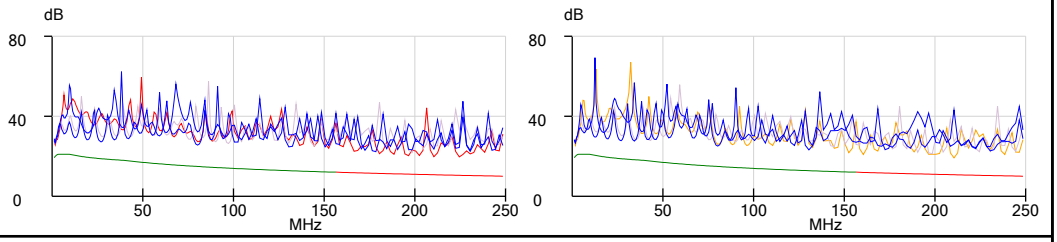
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,2	4,0
Limit (dB) :	3,0	30,7
Margin (dB) :	2,8	26,7
Frequency (MHz) :	2,50	245,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	69,0	498,0	429,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,2	21,0	17,8

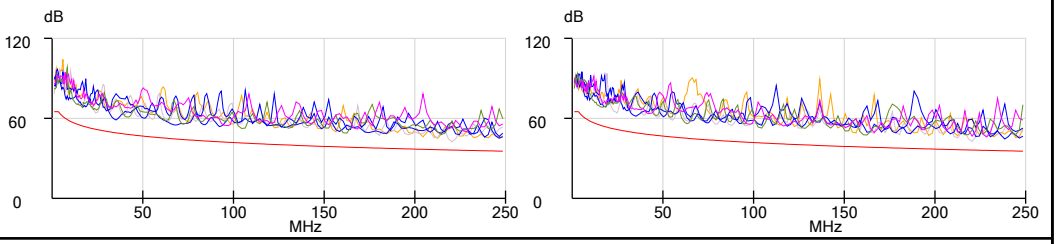
Return Loss :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	19,8	19,2
Limit (dB) :	10,8	10,8
Margin (dB) :	9,0	8,4
Frequency (MHz) :	210,50	210,50



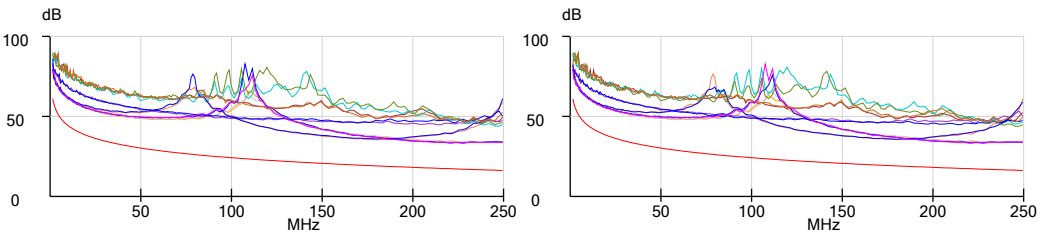
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	42,4	42,8
Limit (dB) :	36,2	36,2
Margin (dB) :	6,2	6,6
Frequency (MHz) :	220,50	220,00



ACRF :

	Local :	Remote :
Worst Pair :	12-45	78-45
Value (dB) :	69,5	33,3
Limit (dB) :	53,6	17,4
Margin (dB) :	16,0	15,9
Frequency (MHz) :	3,40	219,50



PSNEXT :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	41,5	41,0
Limit (dB) :	33,9	33,6
Margin (dB) :	7,6	7,4
Frequency (MHz) :	212,00	220,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	76,4	74,9
Limit (dB) :	61,2	61,2
Margin (dB) :	15,2	13,7
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

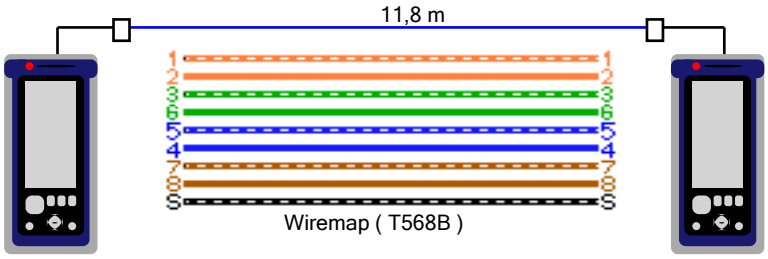
Reporting Software : 6.2.7

Copper Certification Report

Pass

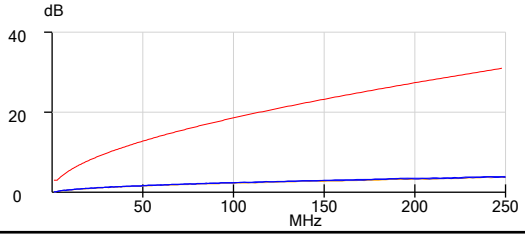
Site : BTS SN
Operator : gege four
Cable Label : f-11

Limit : TIA - Cat 6 Permanent Link
Date & Time : 14/10/2016 14:19:03
Cable Name : CAT 6 FTP
Connector Name : STP Mod Jack 6
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

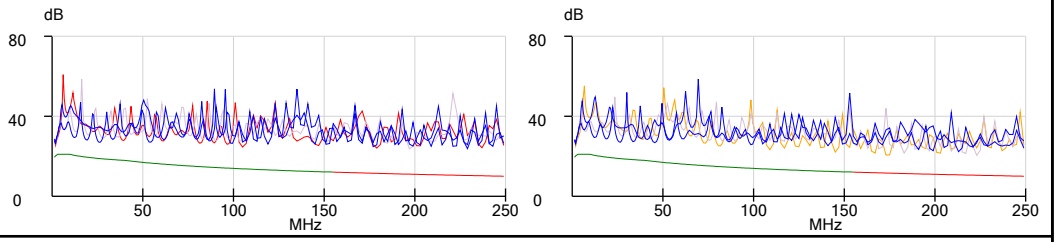
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,2	4,0
Limit (dB) :	3,0	31,1
Margin (dB) :	2,8	27,1
Frequency (MHz) :	2,80	249,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	70,0	498,0	428,0
Delay Skew (ns):	7,0	44,0	37,0
Resistance (Ohm):	3,0	21,0	18,0

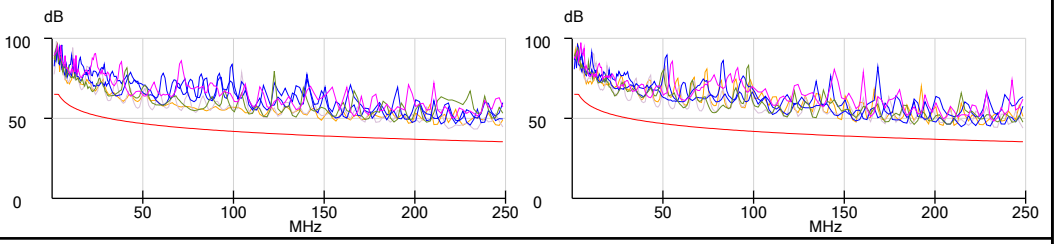
Return Loss :

	Local :	Remote :
Worst Pair :	36	12
Value (dB) :	23,5	20,0
Limit (dB) :	11,0	11,6
Margin (dB) :	12,5	8,4
Frequency (MHz) :	197,50	174,00



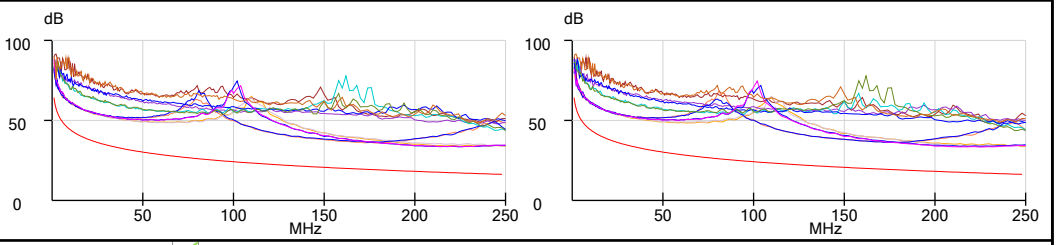
NEXT :

	Local :	Remote :
Worst Pair :	12-45	12-45
Value (dB) :	43,6	43,8
Limit (dB) :	36,3	35,4
Margin (dB) :	7,3	8,4
Frequency (MHz) :	218,50	249,00



ACRF :

	Local :	Remote :
Worst Pair :	12-45	45-12
Value (dB) :	64,9	64,9
Limit (dB) :	49,4	49,4
Margin (dB) :	15,5	15,5
Frequency (MHz) :	5,50	5,50



PSNEXT :

	Local :	Remote :
Worst Pair :	12	12
Value (dB) :	44,3	43,9
Limit (dB) :	36,1	36,1
Margin (dB) :	8,2	7,8
Frequency (MHz) :	157,00	156,00

PSACRF :

	Local :	Remote :
Worst Pair :	12	45
Value (dB) :	76,6	70,4
Limit (dB) :	61,2	56,3
Margin (dB) :	15,4	14,1
Frequency (MHz) :	1,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

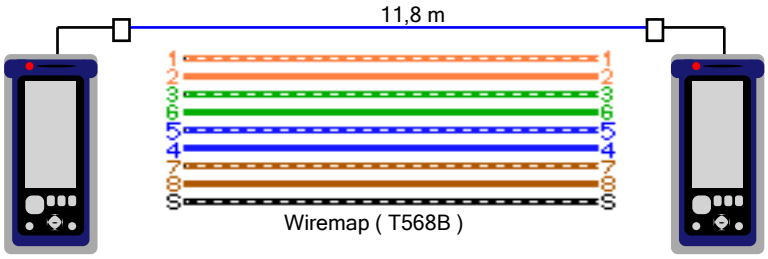
Reporting Software : 6.2.7

Copper Certification Report

Pass

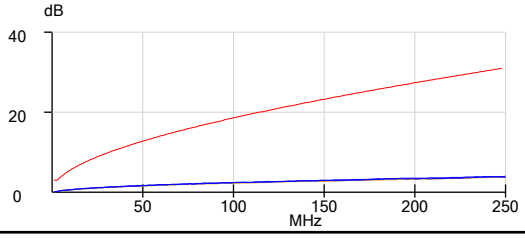
Site :	BTS SN
Operator :	gege four
Cable Label :	f-12

Limit :	TIA - Cat 6 Permanent Link
Date & Time :	14/10/2016 14:19:34
Cable Name :	CAT 6 FTP
Connector Name :	STP Mod Jack 6
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

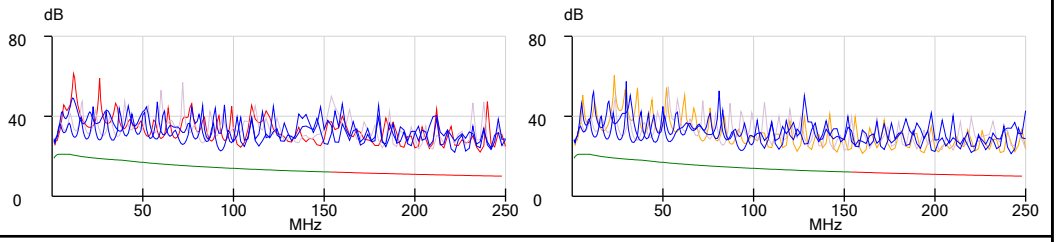
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,2	4,0
Limit (dB) :	3,0	30,6
Margin (dB) :	2,8	26,6
Frequency (MHz) :	2,20	243,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	70,0	498,0	428,0
Delay Skew (ns):	6,0	44,0	38,0
Resistance (Ohm):	3,2	21,0	17,8

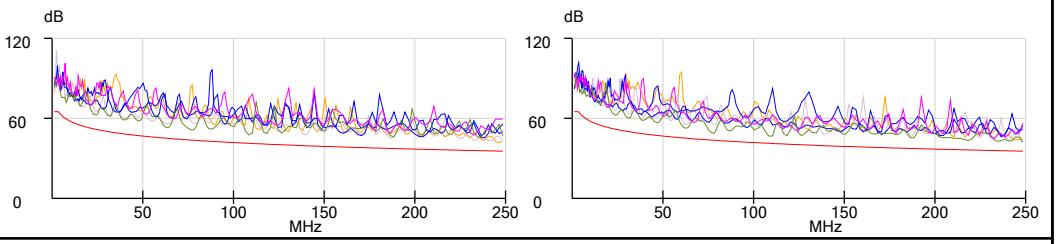
Return Loss :

	Local :	Remote :
Worst Pair :	45	12
Value (dB) :	21,8	21,4
Limit (dB) :	10,5	12,0
Margin (dB) :	11,3	9,4
Frequency (MHz) :	221,50	160,00



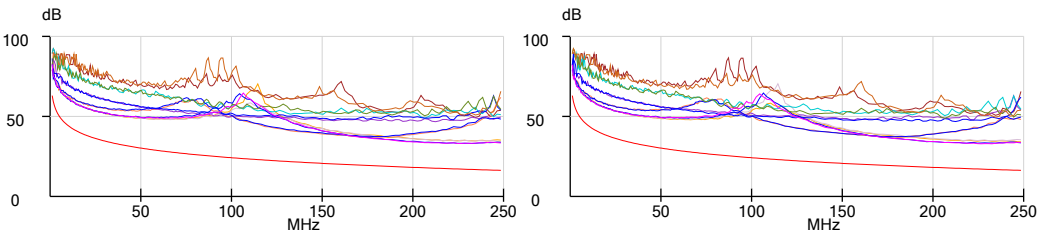
NEXT :

	Local :	Remote :
Worst Pair :	12-36	36-78
Value (dB) :	41,6	46,2
Limit (dB) :	35,5	41,2
Margin (dB) :	6,1	5,0
Frequency (MHz) :	246,00	109,50



ACRF :

	Local :	Remote :
Worst Pair :	36-12	12-36
Value (dB) :	64,6	64,6
Limit (dB) :	48,9	48,9
Margin (dB) :	15,7	15,7
Frequency (MHz) :	5,80	5,80



PSNEXT :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	39,9	39,2
Limit (dB) :	33,1	32,7
Margin (dB) :	6,8	6,5
Frequency (MHz) :	238,00	250,00

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	75,4	74,3
Limit (dB) :	61,2	61,2
Margin (dB) :	14,2	13,1
Frequency (MHz) :	1,00	1,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T, 10GBASE-T, manufacturer should state AXT compliance

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Signature :

Device Software : 6.2.7

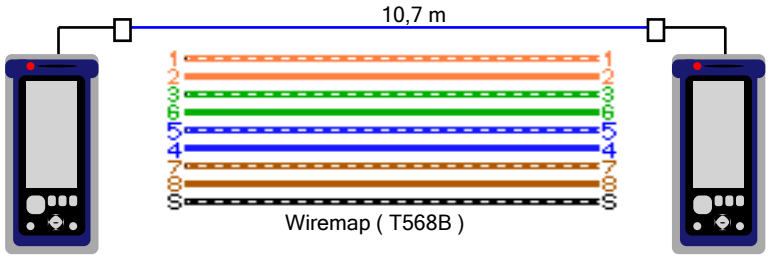
Reporting Software : 6.2.7

Copper Certification Report

Pass

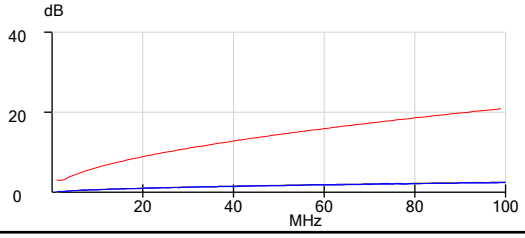
Site : BTS SN
Operator : gege four
Cable Label : -1

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:21:40
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

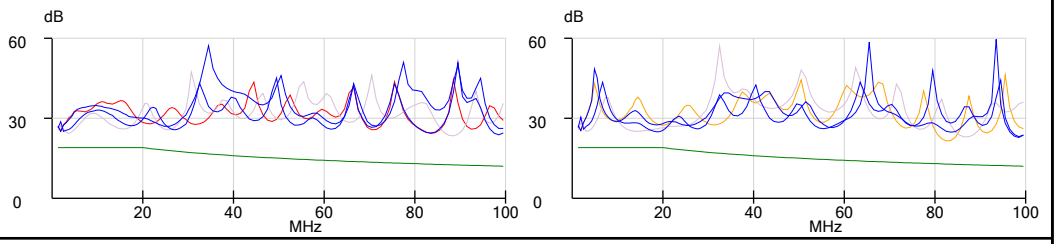
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,5
Limit (dB) :	3,0	20,1
Margin (dB) :	2,8	17,6
Frequency (MHz) :	2,20	92,25



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	60,0	498,0	438,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	3,4	21,0	17,6

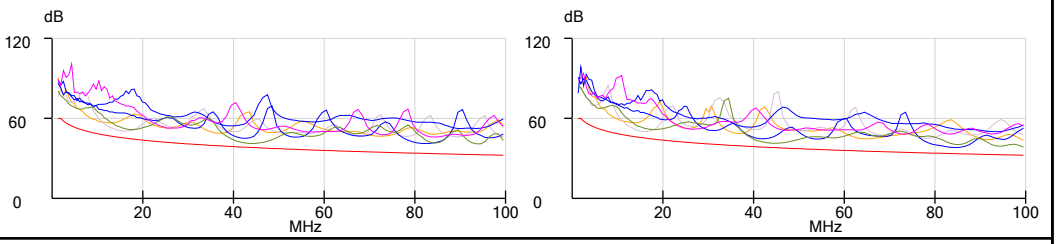
Return Loss :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	24,2	24,9
Limit (dB) :	19,0	19,0
Margin (dB) :	5,2	5,9
Frequency (MHz) :	3,40	18,40



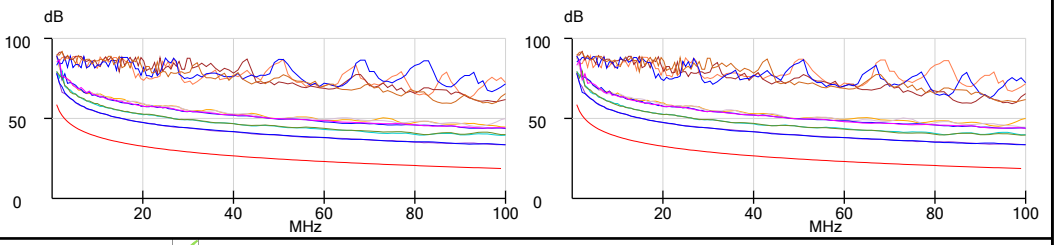
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	41,1	41,4
Limit (dB) :	38,2	38,2
Margin (dB) :	2,9	3,2
Frequency (MHz) :	43,50	43,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	35,1	35,1
Limit (dB) :	20,6	20,6
Margin (dB) :	14,5	14,5
Frequency (MHz) :	79,75	79,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	39,7	39,9
Limit (dB) :	35,3	35,3
Margin (dB) :	4,4	4,6
Frequency (MHz) :	43,00	43,00

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	35,8	66,3
Limit (dB) :	19,5	50,8
Margin (dB) :	16,3	15,5
Frequency (MHz) :	64,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

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Signature :

Device Software : 6.2.7

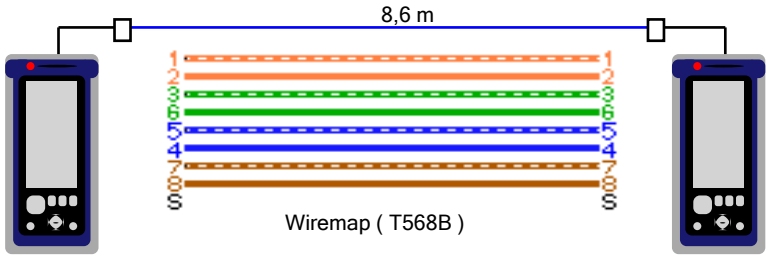
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	-5

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:22:37
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

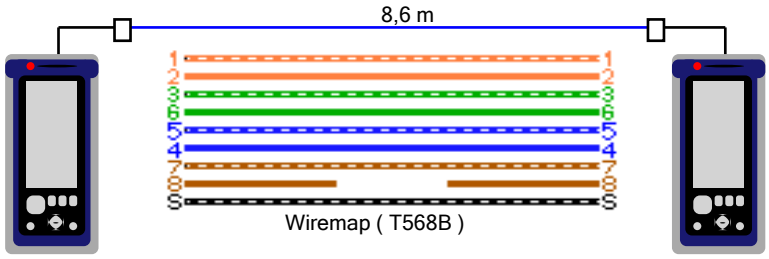
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	-6

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:23:40
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

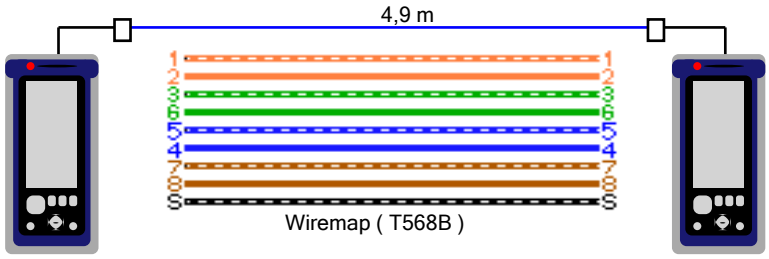
Reporting Software : 6.2.7

Copper Certification Report

Pass

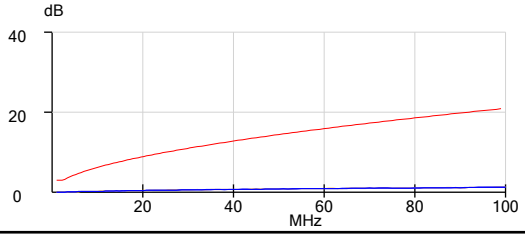
Site : BTS SN
Operator : gege four
Cable Label : -10

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:24:26
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

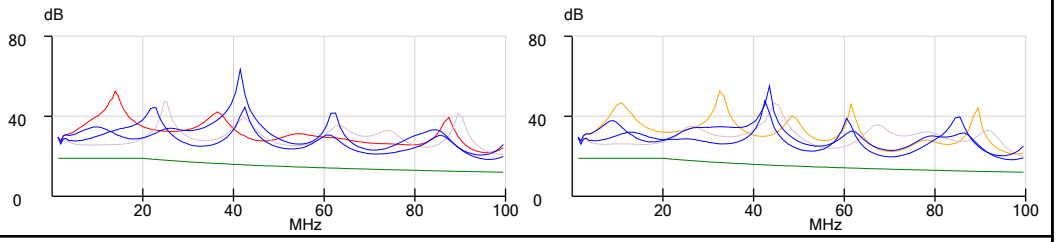
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	20,3
Margin (dB) :	3,0	19,0
Frequency (MHz) :	1,00	94,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	30,0	498,0	468,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,4	21,0	18,6

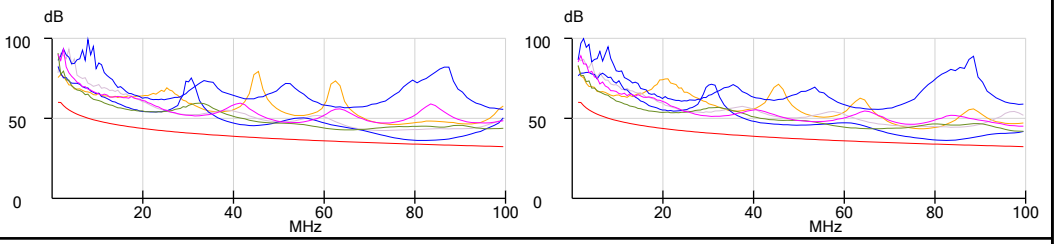
Return Loss :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	18,4	18,3
Limit (dB) :	12,2	12,2
Margin (dB) :	6,2	6,1
Frequency (MHz) :	96,50	96,25



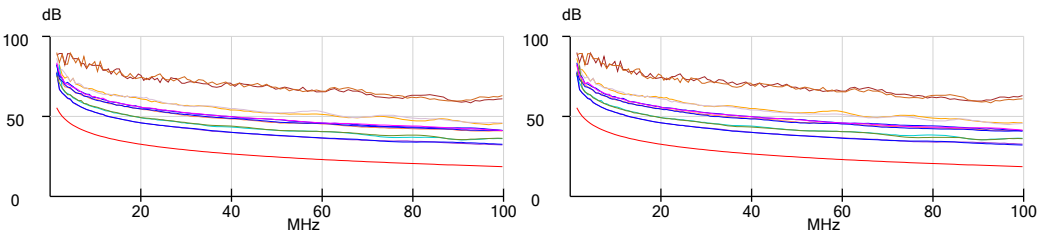
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	36,2	36,4
Limit (dB) :	33,9	33,9
Margin (dB) :	2,3	2,5
Frequency (MHz) :	80,50	80,50



ACRF :

	Local :	Remote :
Worst Pair :	45-36	36-45
Value (dB) :	34,3	34,2
Limit (dB) :	21,2	21,1
Margin (dB) :	13,1	13,1
Frequency (MHz) :	74,50	75,50



PSNEXT :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	35,4	35,4
Limit (dB) :	31,0	30,9
Margin (dB) :	4,4	4,5
Frequency (MHz) :	79,00	80,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	32,6	64,9
Limit (dB) :	18,2	50,8
Margin (dB) :	14,4	14,1
Frequency (MHz) :	74,50	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

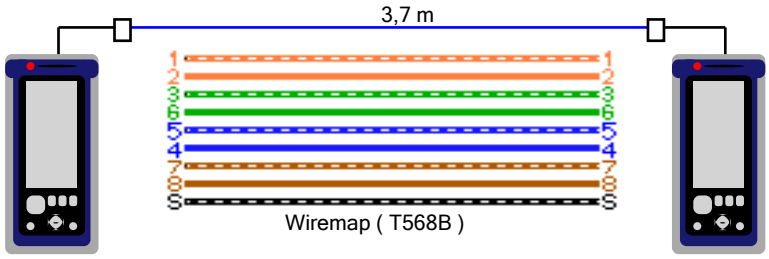
Reporting Software : 6.2.7

Copper Certification Report

Pass

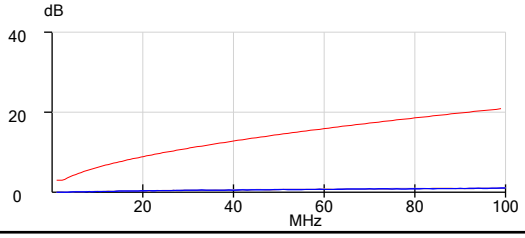
Site : BTS SN
Operator : gege four
Cable Label : -14

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:25:17
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

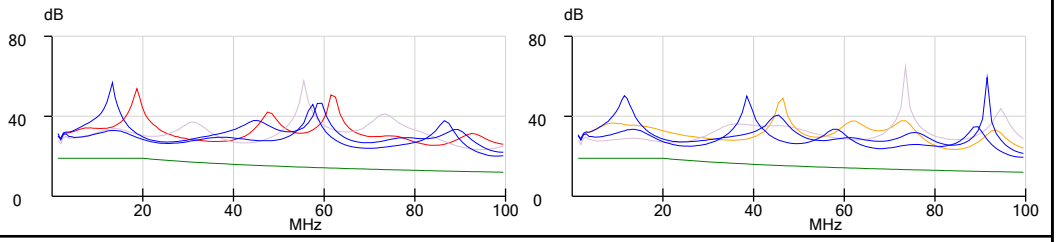
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	1,2
Limit (dB) :	3,0	21,0
Margin (dB) :	3,0	19,8
Frequency (MHz) :	1,00	100,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	24,0	498,0	474,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	3,6	21,0	17,4

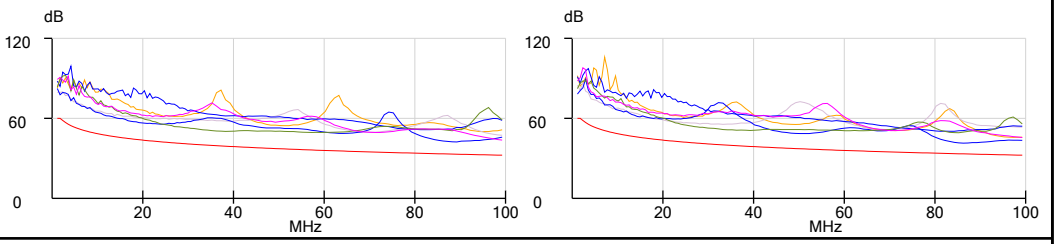
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	26,2	25,9
Limit (dB) :	19,0	19,0
Margin (dB) :	7,2	6,9
Frequency (MHz) :	1,90	1,90



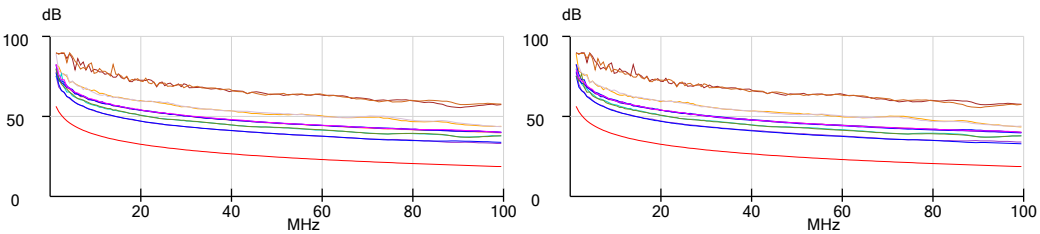
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	42,4	41,4
Limit (dB) :	33,2	33,4
Margin (dB) :	9,2	8,0
Frequency (MHz) :	88,25	86,00



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	67,4	67,4
Limit (dB) :	53,8	53,8
Margin (dB) :	13,7	13,6
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	40,8	40,7
Limit (dB) :	29,6	30,4
Margin (dB) :	11,2	10,3
Frequency (MHz) :	96,50	85,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	34,1	65,4
Limit (dB) :	18,7	50,8
Margin (dB) :	15,4	14,6
Frequency (MHz) :	70,50	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

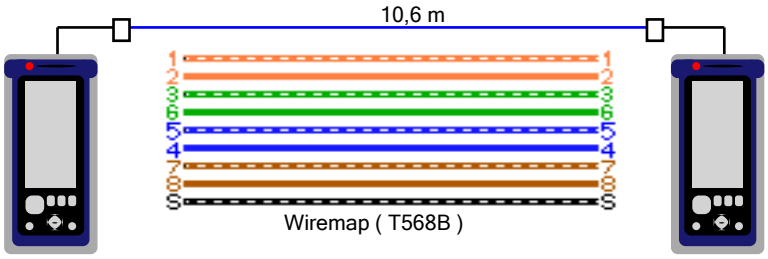
Reporting Software : 6.2.7

Copper Certification Report

Pass

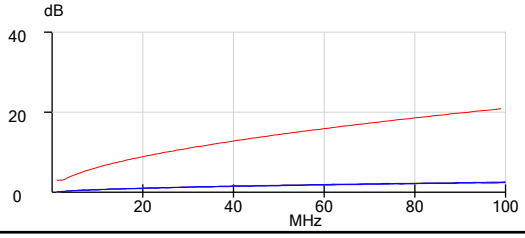
Site : BTS SN
Operator : gege four
Cable Label : -16

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:26:34
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

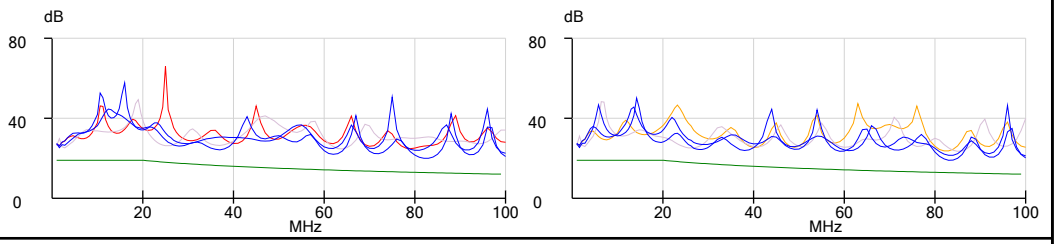
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,2	2,6
Limit (dB) :	3,0	20,9
Margin (dB) :	2,8	18,3
Frequency (MHz) :	2,20	99,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	60,0	498,0	438,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	3,2	21,0	17,8

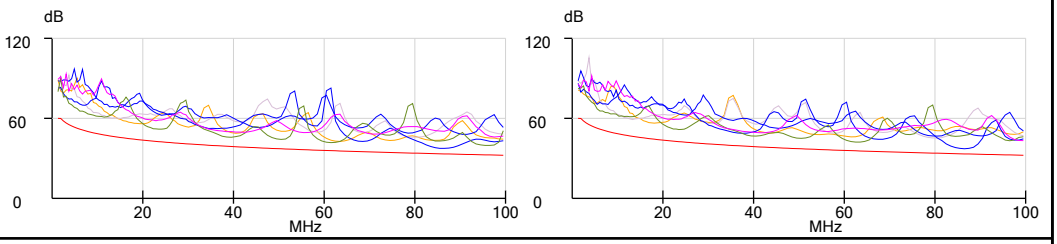
Return Loss :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	25,2	25,0
Limit (dB) :	19,0	19,0
Margin (dB) :	6,2	6,0
Frequency (MHz) :	2,80	1,75



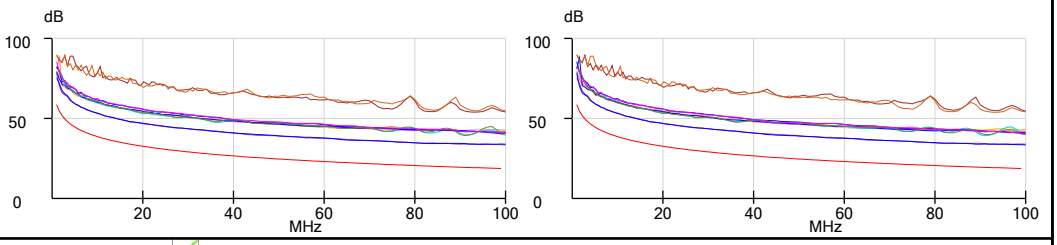
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	37,5	37,2
Limit (dB) :	33,4	33,4
Margin (dB) :	4,1	3,8
Frequency (MHz) :	85,50	86,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	67,5	67,6
Limit (dB) :	53,8	53,8
Margin (dB) :	13,8	13,8
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	35,8	36,7
Limit (dB) :	30,5	30,4
Margin (dB) :	5,3	6,3
Frequency (MHz) :	85,00	86,25

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	64,3	46,7
Limit (dB) :	48,8	31,1
Margin (dB) :	15,5	15,6
Frequency (MHz) :	2,20	16,90

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

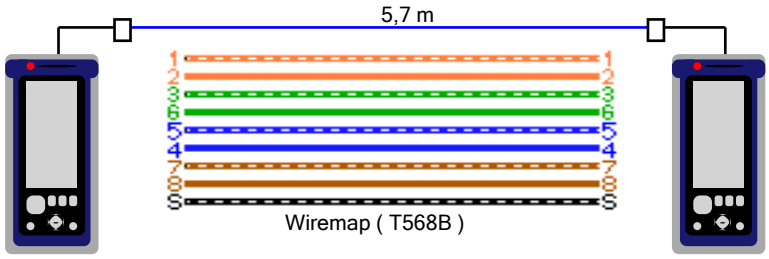
Reporting Software : 6.2.7

Copper Certification Report

Pass

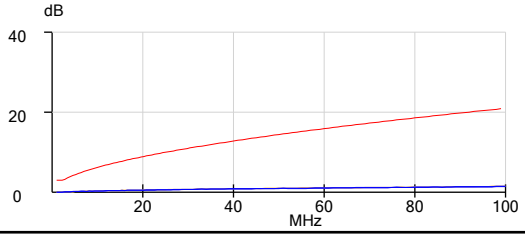
Site : BTS SN
Operator : gege four
Cable Label : -17

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:27:06
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

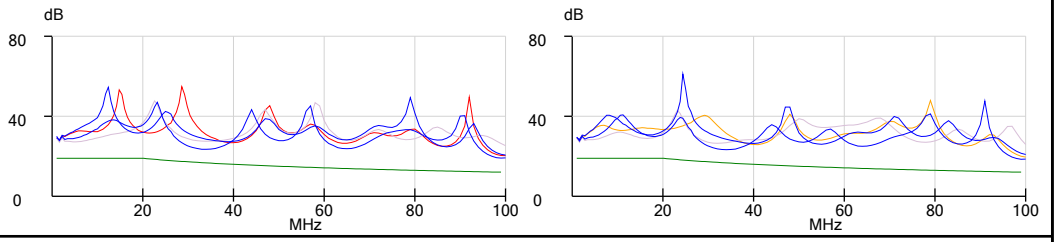
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,0	1,5
Limit (dB) :	3,0	20,5
Margin (dB) :	3,0	19,0
Frequency (MHz) :	1,00	95,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	34,0	498,0	464,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,2	21,0	18,8

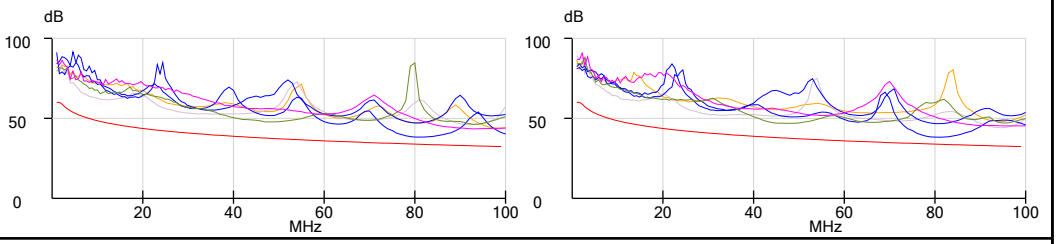
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	23,5	18,5
Limit (dB) :	16,8	12,1
Margin (dB) :	6,7	6,4
Frequency (MHz) :	33,00	99,00



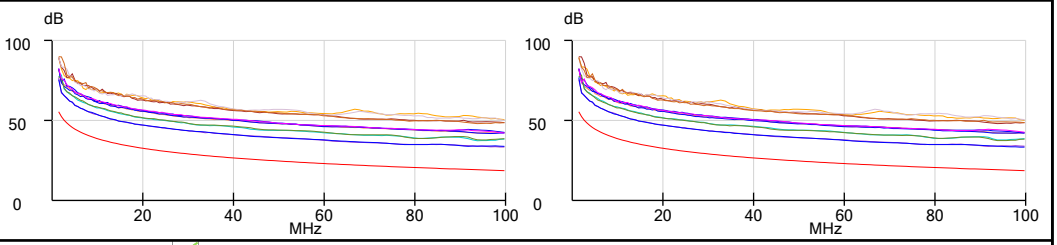
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	38,3	38,2
Limit (dB) :	33,9	33,9
Margin (dB) :	4,4	4,3
Frequency (MHz) :	80,00	80,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,8	65,8
Limit (dB) :	51,8	51,8
Margin (dB) :	14,0	14,0
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	37,8	37,8
Limit (dB) :	30,9	30,9
Margin (dB) :	6,9	6,9
Frequency (MHz) :	80,00	80,25

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	33,6	33,3
Limit (dB) :	17,8	17,6
Margin (dB) :	15,8	15,7
Frequency (MHz) :	77,75	80,00

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

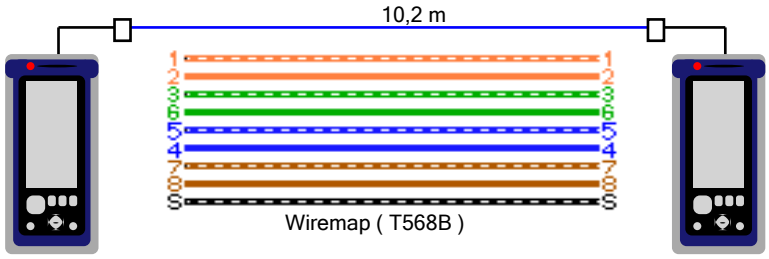
Reporting Software : 6.2.7

Copper Certification Report

Pass

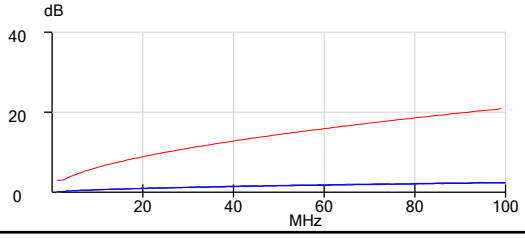
Site : BTS SN
Operator : gege four
Cable Label : -18

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:28:12
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

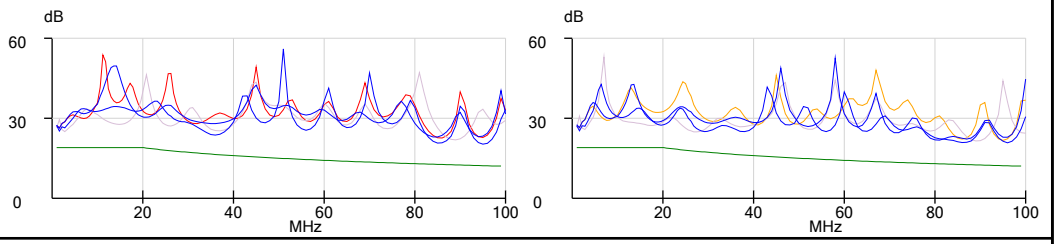
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,2	2,5
Limit (dB) :	3,0	20,3
Margin (dB) :	2,8	17,8
Frequency (MHz) :	2,20	94,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	58,0	498,0	440,0
Delay Skew (ns):	2,0	44,0	42,0
Resistance (Ohm):	3,1	21,0	17,9

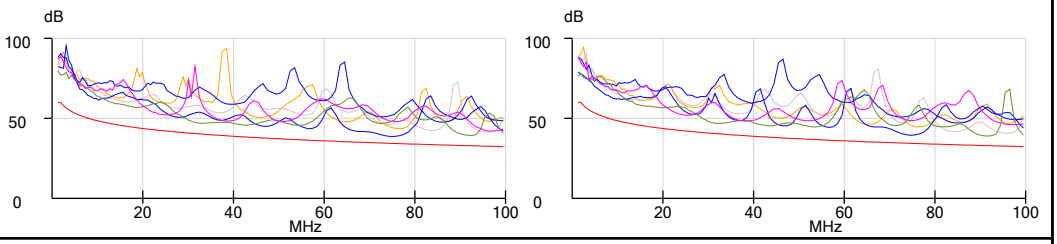
Return Loss :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	25,0	25,3
Limit (dB) :	19,0	19,0
Margin (dB) :	6,0	6,3
Frequency (MHz) :	2,80	1,60



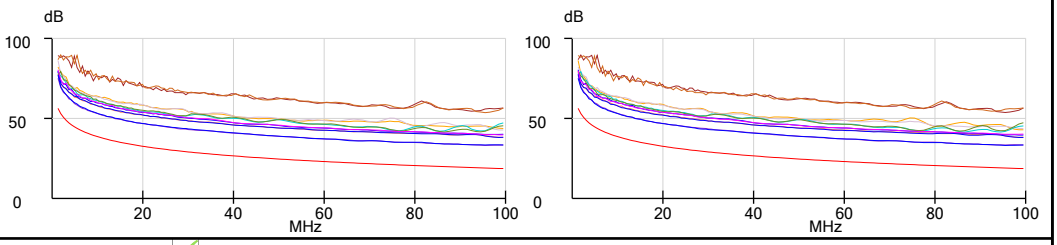
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	38,7	39,4
Limit (dB) :	34,4	34,4
Margin (dB) :	4,3	5,0
Frequency (MHz) :	74,50	74,50



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,4	65,3
Limit (dB) :	51,8	51,8
Margin (dB) :	13,5	13,5
Frequency (MHz) :	2,20	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	37,2	38,3
Limit (dB) :	31,4	31,4
Margin (dB) :	5,8	6,9
Frequency (MHz) :	74,75	74,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	63,3	34,3
Limit (dB) :	48,8	19,2
Margin (dB) :	14,5	15,1
Frequency (MHz) :	2,20	66,50

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

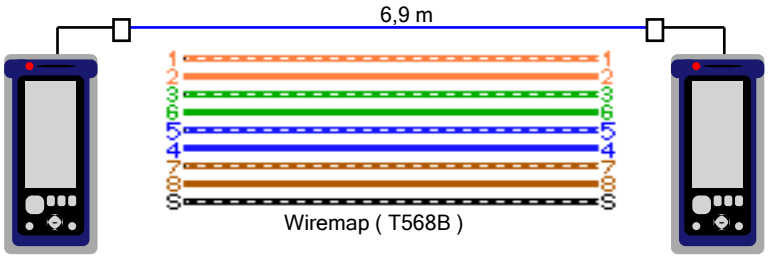
Reporting Software : 6.2.7

Copper Certification Report

Pass

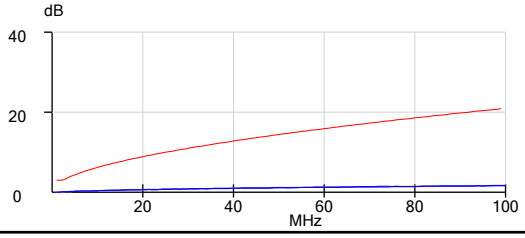
Site : BTS SN
Operator : gege four
Cable Label : -19

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:28:45
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

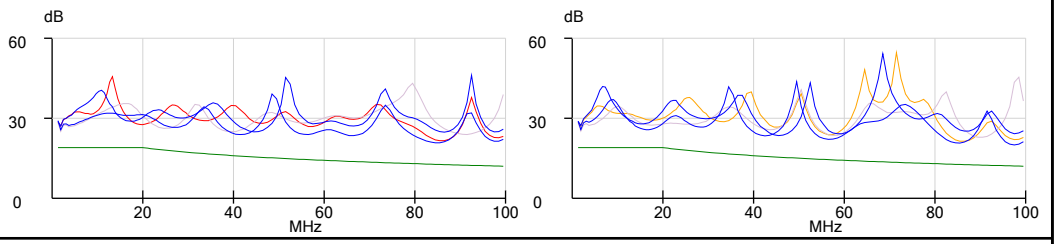
	Worst Margin :	Worst Value :
Worst Pair :	36	78
Value (dB) :	0,1	1,7
Limit (dB) :	3,0	21,0
Margin (dB) :	2,9	19,3
Frequency (MHz) :	1,60	100,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	40,0	498,0	458,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,5	21,0	18,5

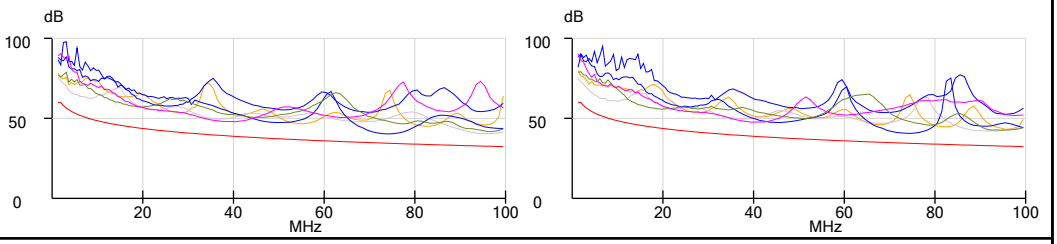
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,1	25,2
Limit (dB) :	19,0	19,0
Margin (dB) :	6,1	6,2
Frequency (MHz) :	1,90	1,90



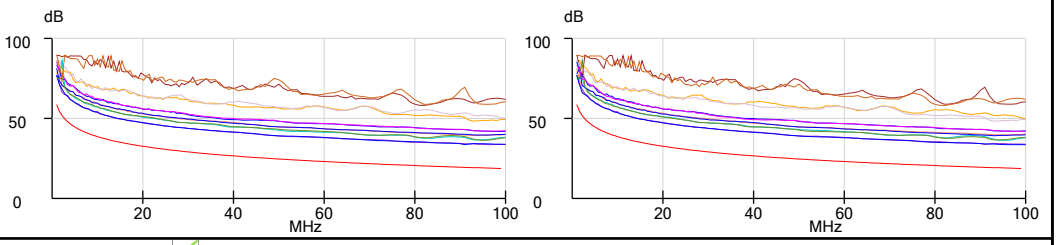
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	40,3	40,6
Limit (dB) :	34,5	34,5
Margin (dB) :	5,8	6,1
Frequency (MHz) :	73,50	73,75



ACRF :

	Local :	Remote :
Worst Pair :	45-36	45-36
Value (dB) :	33,6	68,0
Limit (dB) :	19,4	53,8
Margin (dB) :	14,2	14,2
Frequency (MHz) :	91,00	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	39,6	44,3
Limit (dB) :	31,5	35,9
Margin (dB) :	8,1	8,4
Frequency (MHz) :	73,75	39,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	41,6	65,7
Limit (dB) :	25,9	50,8
Margin (dB) :	15,7	14,9
Frequency (MHz) :	30,55	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

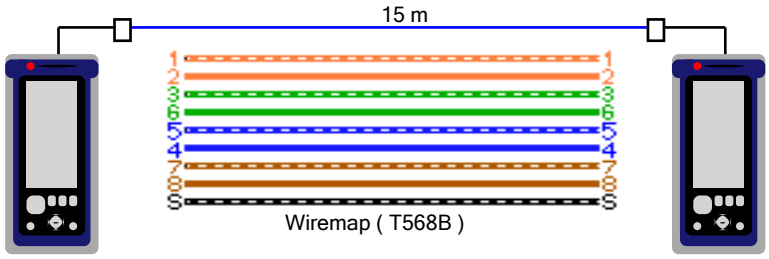
Reporting Software : 6.2.7

Copper Certification Report

Pass

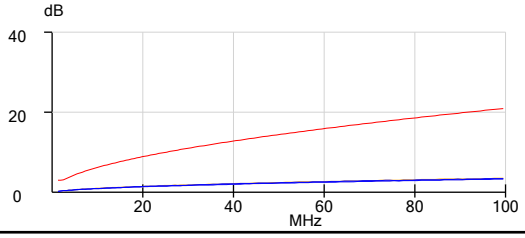
Site : BTS SN
Operator : gege four
Cable Label : -21

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:29:42
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

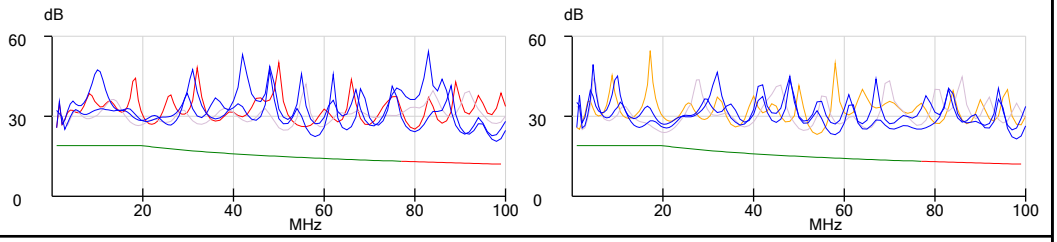
	Worst Margin :	Worst Value :
Worst Pair :	45	12
Value (dB) :	0,4	3,5
Limit (dB) :	3,1	20,7
Margin (dB) :	2,7	17,2
Frequency (MHz) :	2,50	97,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	82,0	498,0	416,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	4,3	21,0	16,7

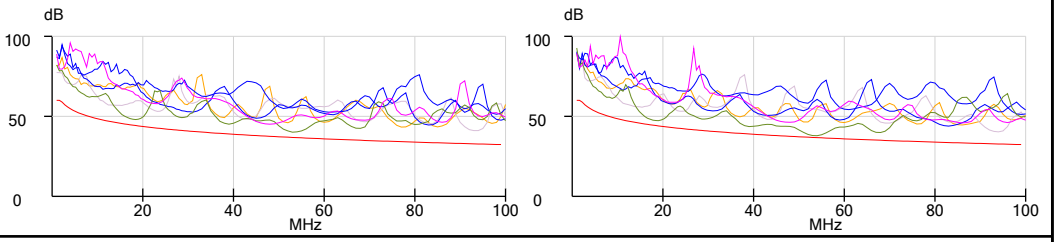
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	20,6	21,5
Limit (dB) :	12,1	12,1
Margin (dB) :	8,5	9,4
Frequency (MHz) :	98,00	98,00



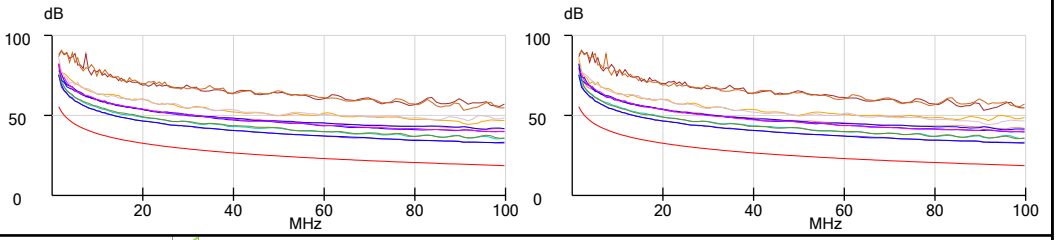
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	40,1	37,9
Limit (dB) :	36,8	36,8
Margin (dB) :	3,3	1,1
Frequency (MHz) :	53,00	53,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	47,1	47,1
Limit (dB) :	33,4	33,4
Margin (dB) :	13,7	13,7
Frequency (MHz) :	18,25	18,25



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	39,3	37,6
Limit (dB) :	33,9	33,9
Margin (dB) :	5,4	3,7
Frequency (MHz) :	52,50	52,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	41,7	65,1
Limit (dB) :	27,1	50,8
Margin (dB) :	14,6	14,3
Frequency (MHz) :	26,65	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

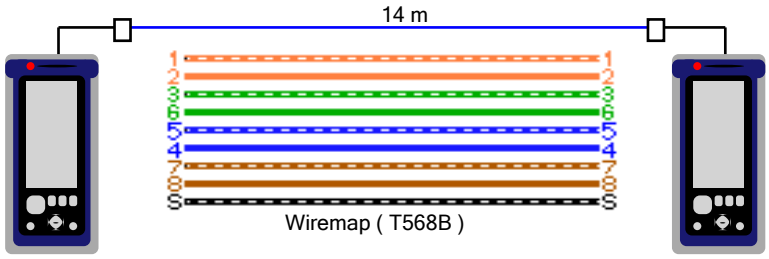
Reporting Software : 6.2.7

Copper Certification Report

Fail*

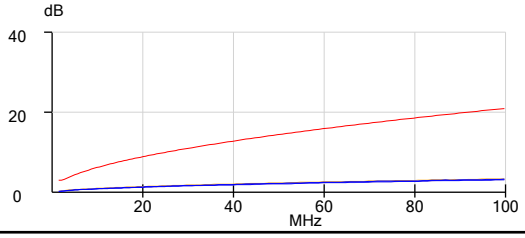
Site : BTS SN
Operator : gege four
Cable Label : -22

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:30:37
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

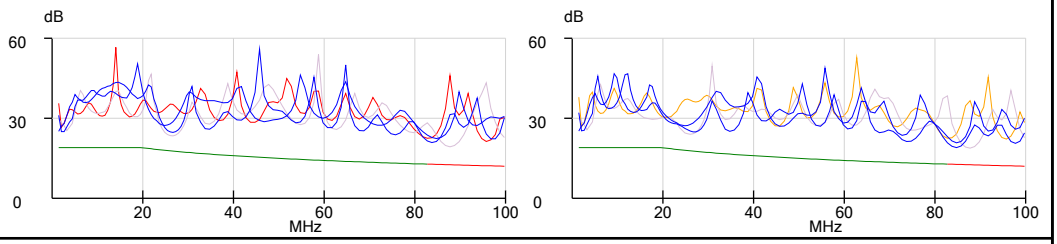
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,4	3,3
Limit (dB) :	3,0	20,3
Margin (dB) :	2,6	17,0
Frequency (MHz) :	2,05	94,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	77,0	498,0	421,0
Delay Skew (ns):	3,0	44,0	41,0
Resistance (Ohm):	4,9	21,0	16,1

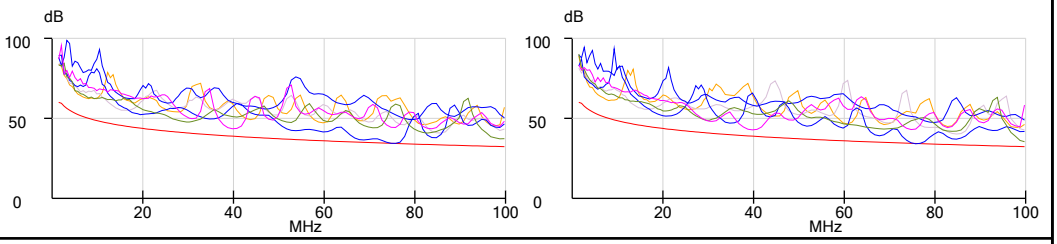
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	19,3	18,8
Limit (dB) :	12,6	12,6
Margin (dB) :	6,7	6,2
Frequency (MHz) :	87,75	87,50



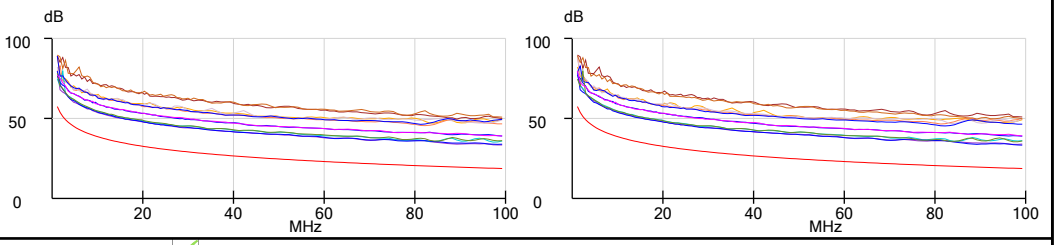
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	34,4	34,0
Limit (dB) :	34,4	34,3
Margin (dB) :	0,0	-0,3
Frequency (MHz) :	74,75	76,00



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	67,9	67,9
Limit (dB) :	53,8	53,8
Margin (dB) :	14,1	14,1
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	33,7	33,4
Limit (dB) :	31,3	31,3
Margin (dB) :	2,4	2,1
Frequency (MHz) :	75,25	75,75

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	41,8	65,6
Limit (dB) :	26,7	50,8
Margin (dB) :	15,1	14,8
Frequency (MHz) :	28,00	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

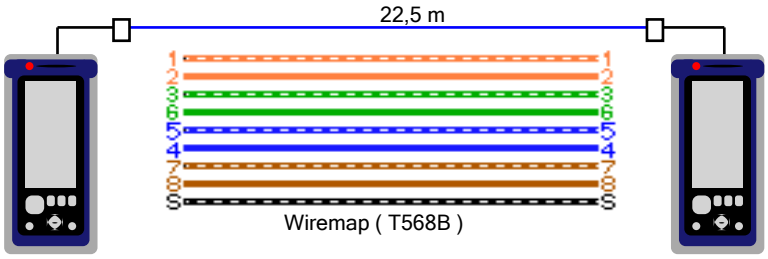
Reporting Software : 6.2.7

Copper Certification Report

Fail

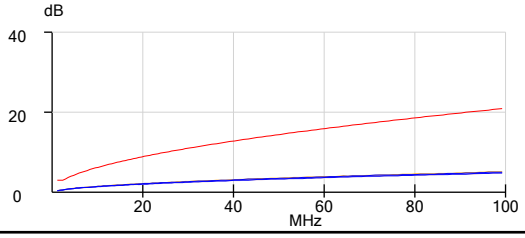
Site :	BTS SN
Operator :	gege four
Cable Label :	-23

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:31:44
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Insertion Loss :

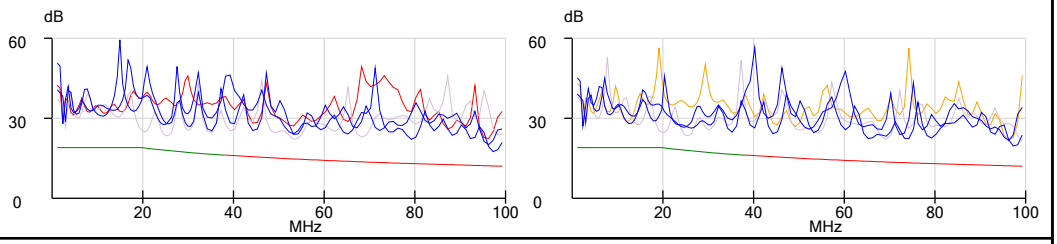
	Worst Margin :	Worst Value :
Worst Pair :	12	12
Value (dB) :	0,6	5,1
Limit (dB) :	3,0	20,5
Margin (dB) :	2,4	15,4
Frequency (MHz) :	2,35	95,50



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	122,0	498,0	376,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	5,5	21,0	15,5

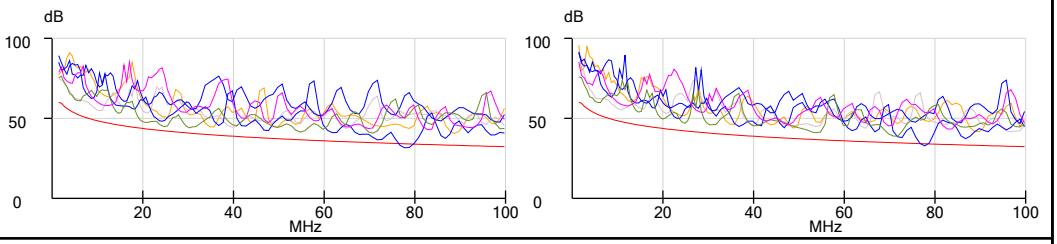
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	17,5	19,5
Limit (dB) :	12,1	12,1
Margin (dB) :	5,4	7,4
Frequency (MHz) :	97,25	97,50



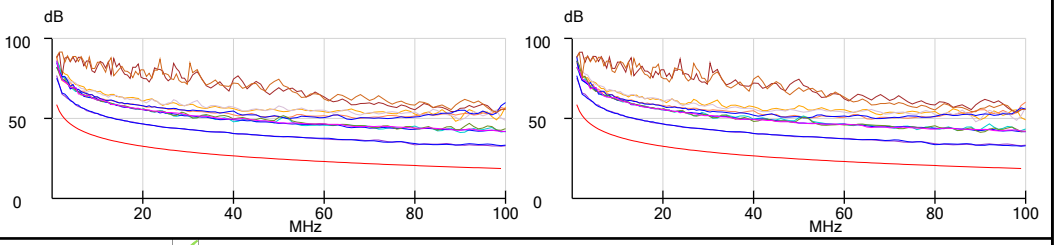
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	31,6	32,8
Limit (dB) :	34,1	34,1
Margin (dB) :	-2,5	-1,3
Frequency (MHz) :	77,75	77,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	33,5	33,6
Limit (dB) :	20,6	20,6
Margin (dB) :	13,0	13,0
Frequency (MHz) :	79,75	79,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	31,3	32,6
Limit (dB) :	31,1	31,1
Margin (dB) :	0,2	1,5
Frequency (MHz) :	77,75	77,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	64,1	66,4
Limit (dB) :	48,8	50,8
Margin (dB) :	15,3	15,6
Frequency (MHz) :	2,20	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

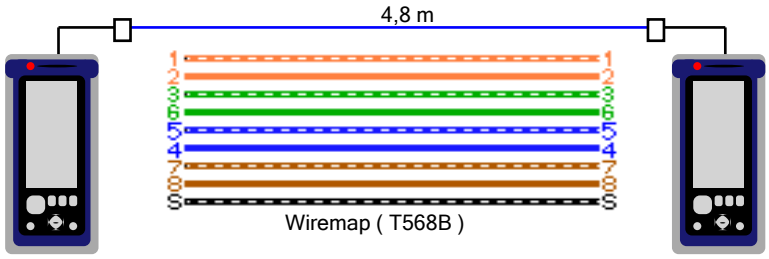
Reporting Software : 6.2.7

Copper Certification Report

Pass*

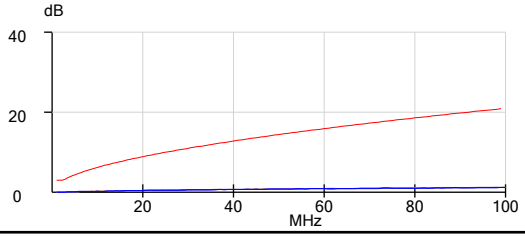
Site : BTS SN
Operator : gege four
Cable Label : -24

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:32:31
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

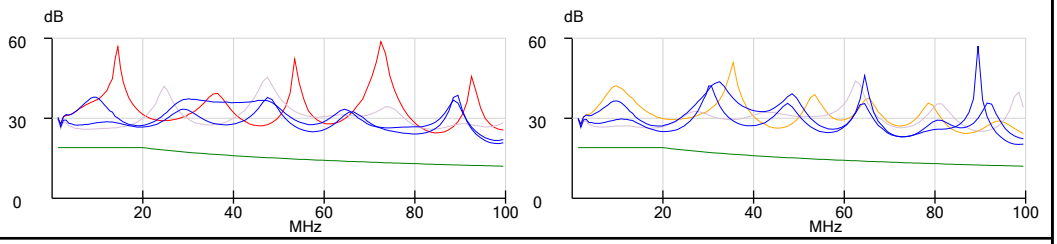
	Worst Margin :	Worst Value :
Worst Pair :	12	36
Value (dB) :	0,0	1,3
Limit (dB) :	3,0	20,7
Margin (dB) :	3,0	19,4
Frequency (MHz) :	1,00	97,25



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	29,0	498,0	469,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,2	21,0	18,8

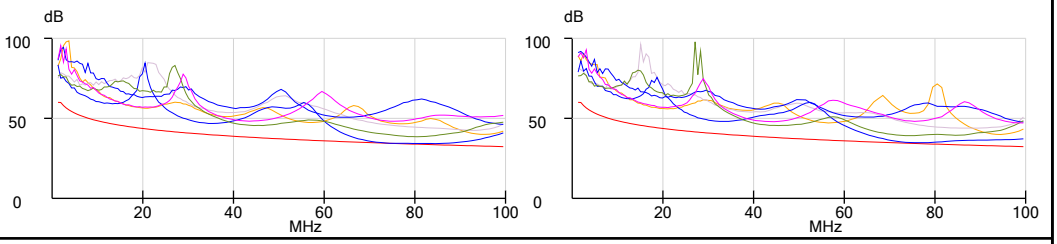
Return Loss :

	Local :	Remote :
Worst Pair :	36	45
Value (dB) :	25,9	25,0
Limit (dB) :	19,0	19,0
Margin (dB) :	6,9	6,0
Frequency (MHz) :	6,70	19,60



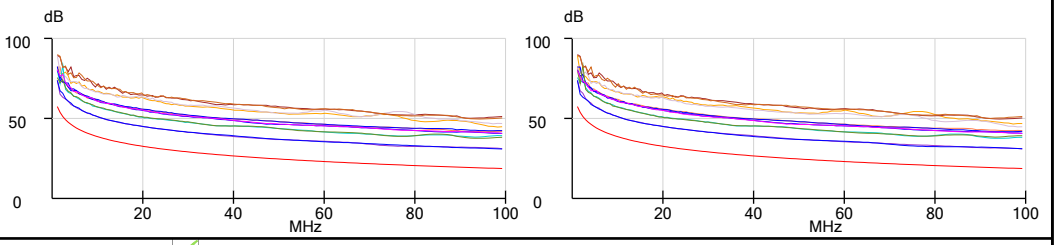
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	34,4	34,9
Limit (dB) :	34,4	34,5
Margin (dB) :	0,0	0,4
Frequency (MHz) :	74,50	73,75



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,1	65,1
Limit (dB) :	53,8	53,8
Margin (dB) :	11,3	11,3
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	33,1	33,5
Limit (dB) :	31,4	31,5
Margin (dB) :	1,7	2,0
Frequency (MHz) :	74,75	73,75

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	64,7	64,1
Limit (dB) :	50,8	50,8
Margin (dB) :	13,9	13,3
Frequency (MHz) :	1,75	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

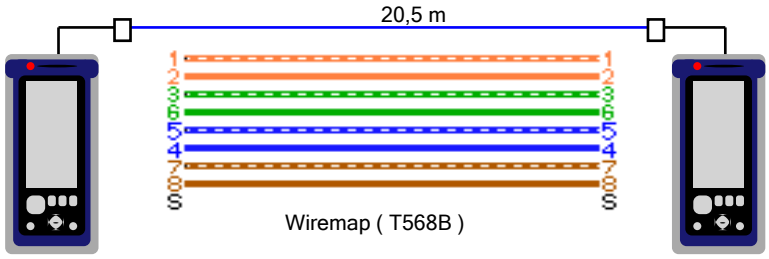
Reporting Software : 6.2.7

Copper Certification Report

Fail

Site :	BTS SN
Operator :	gege four
Cable Label :	-25

Limit :	TIA - Cat 5e Permanent Link
Date & Time :	14/10/2016 14:32:59
Cable Name :	CAT 5e FTP
Connector Name :	STP Mod Jack 5E
Local :	tw20251419 Cat 6A Link
Remote :	tw20251420 Cat 6A Link
Local Calibration Date :	6-January-2015
Remote Calibration Date :	6-January-2015



Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23 Signature :

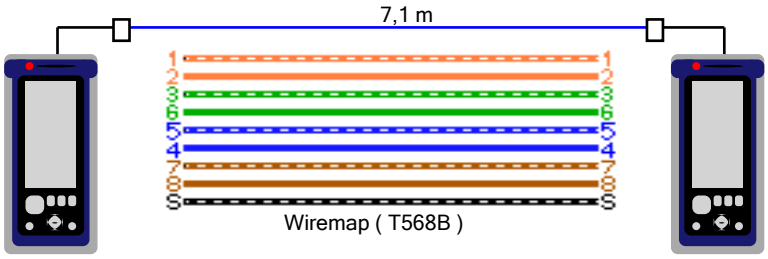
Device Software : 6.2.7 Reporting Software : 6.2.7

Copper Certification Report

Pass

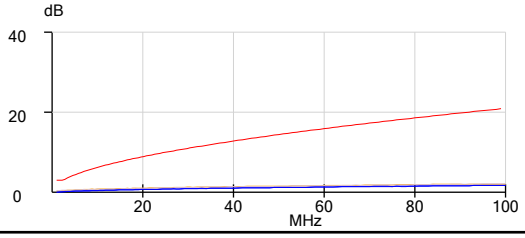
Site : BTS SN
Operator : gege four
Cable Label : -27

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:34:02
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

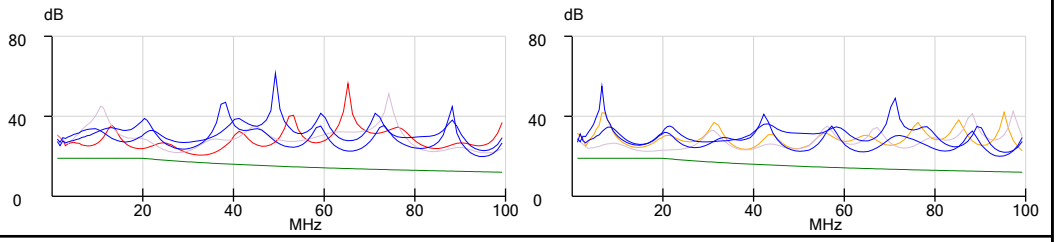
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,5	2,1
Limit (dB) :	3,0	20,4
Margin (dB) :	2,5	18,3
Frequency (MHz) :	2,20	94,75



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	41,0	498,0	457,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	16,3	21,0	4,7

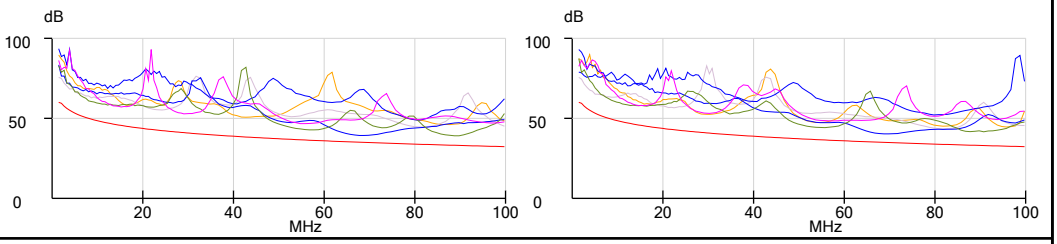
Return Loss :

	Local :	Remote :
Worst Pair :	12	36
Value (dB) :	20,5	22,5
Limit (dB) :	16,9	19,0
Margin (dB) :	3,6	3,5
Frequency (MHz) :	32,75	16,00



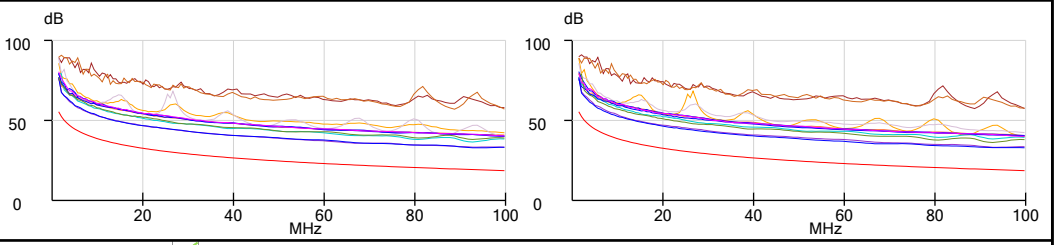
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	39,3	40,3
Limit (dB) :	35,1	35,0
Margin (dB) :	4,2	5,3
Frequency (MHz) :	67,75	68,25



ACRF :

	Local :	Remote :
Worst Pair :	45-36	45-36
Value (dB) :	32,9	35,5
Limit (dB) :	19,3	22,2
Margin (dB) :	13,6	13,3
Frequency (MHz) :	92,75	66,25



PSNEXT :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	38,8	39,3
Limit (dB) :	32,2	31,9
Margin (dB) :	6,6	7,4
Frequency (MHz) :	67,00	69,00

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	31,5	31,2
Limit (dB) :	16,3	16,4
Margin (dB) :	15,2	14,8
Frequency (MHz) :	92,75	91,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

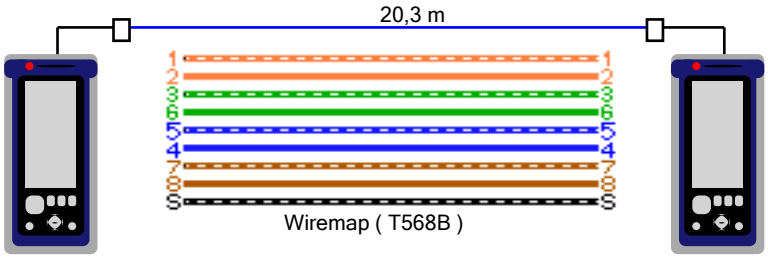
Reporting Software : 6.2.7

Copper Certification Report

Pass

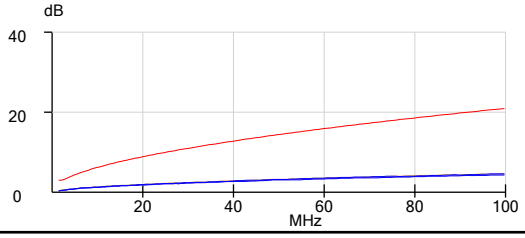
Site : BTS SN
Operator : gege four
Cable Label : -30

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:35:05
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

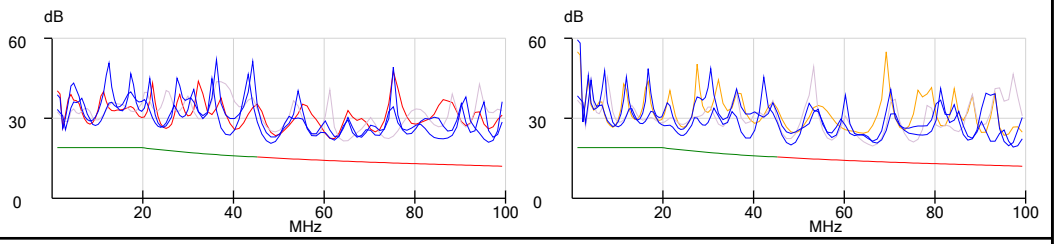
	Worst Margin :	Worst Value :
Worst Pair :	12	78
Value (dB) :	0,5	4,6
Limit (dB) :	3,0	20,5
Margin (dB) :	2,5	15,9
Frequency (MHz) :	2,05	96,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	111,0	498,0	387,0
Delay Skew (ns):	5,0	44,0	39,0
Resistance (Ohm):	5,2	21,0	15,8

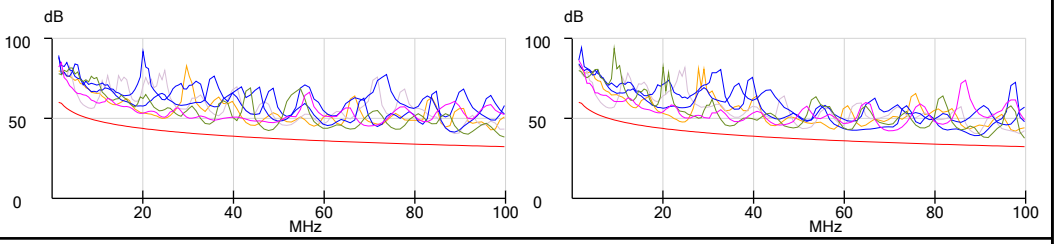
Return Loss :

	Local :	Remote :
Worst Pair :	45	45
Value (dB) :	20,6	20,0
Limit (dB) :	15,2	15,2
Margin (dB) :	5,4	4,8
Frequency (MHz) :	48,25	48,25



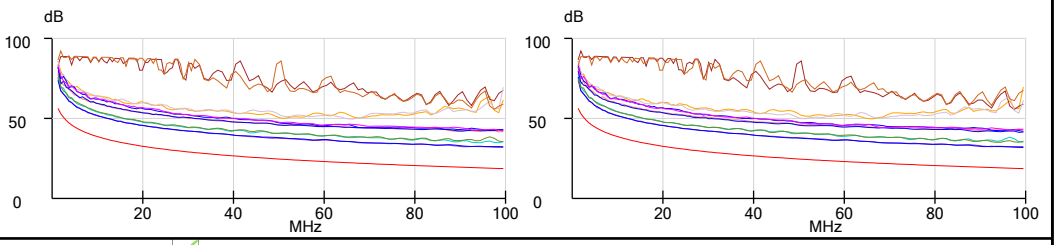
NEXT :

	Local :	Remote :
Worst Pair :	36-78	36-78
Value (dB) :	42,4	37,1
Limit (dB) :	37,6	32,3
Margin (dB) :	4,8	4,8
Frequency (MHz) :	47,75	100,00



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	65,3	65,3
Limit (dB) :	53,8	53,8
Margin (dB) :	11,5	11,5
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	78	36
Value (dB) :	41,2	35,8
Limit (dB) :	34,6	30,0
Margin (dB) :	6,6	5,8
Frequency (MHz) :	47,75	90,50

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	45,1	63,3
Limit (dB) :	31,4	50,8
Margin (dB) :	13,7	12,5
Frequency (MHz) :	16,30	1,75

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

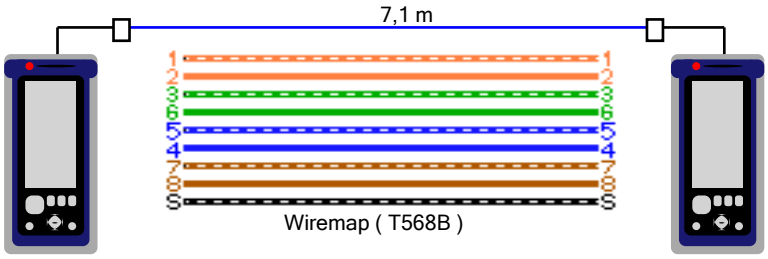
Reporting Software : 6.2.7

Copper Certification Report

Fail

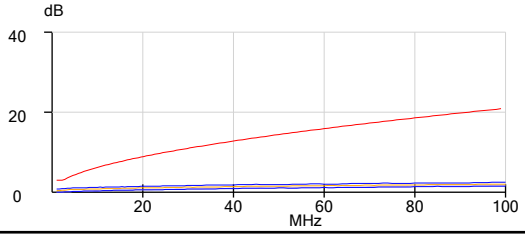
Site : BTS SN
Operator : gege four
Cable Label : -31

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:36:00
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

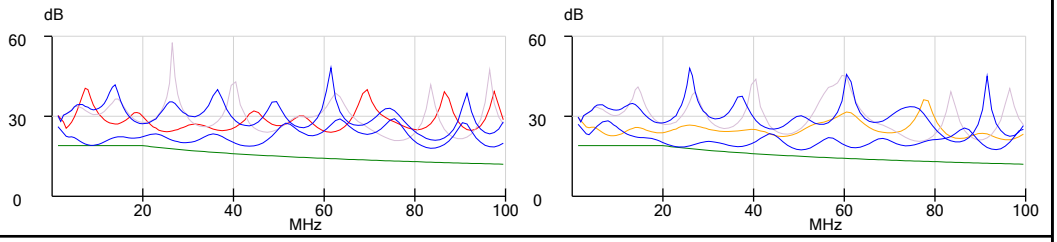
	Worst Margin :	Worst Value :
Worst Pair :	78	78
Value (dB) :	0,9	2,5
Limit (dB) :	3,0	20,5
Margin (dB) :	2,1	18,0
Frequency (MHz) :	2,20	96,25



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	41,0	498,0	457,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	21,9	21,0	-0,9

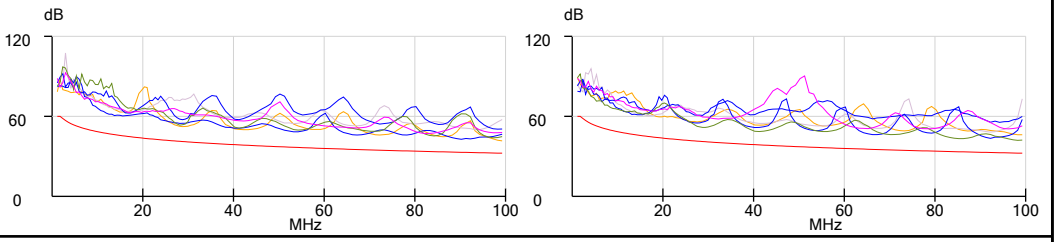
Return Loss :

	Local :	Remote :
Worst Pair :	78	78
Value (dB) :	19,1	18,5
Limit (dB) :	19,0	18,4
Margin (dB) :	0,1	0,1
Frequency (MHz) :	8,50	23,20



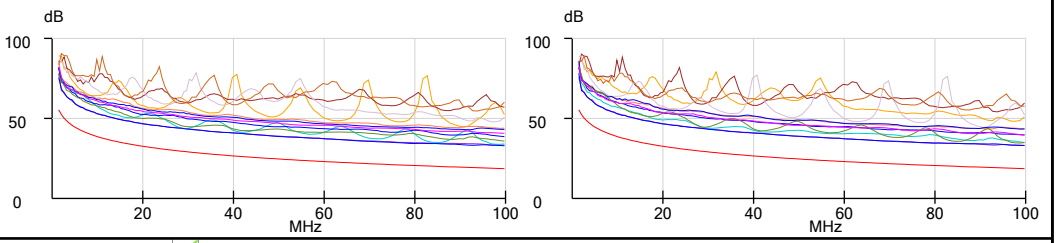
NEXT :

	Local :	Remote :
Worst Pair :	12-36	36-78
Value (dB) :	41,6	42,0
Limit (dB) :	32,4	32,4
Margin (dB) :	9,2	9,6
Frequency (MHz) :	99,25	98,25



ACRF :

	Local :	Remote :
Worst Pair :	36-45	45-36
Value (dB) :	66,5	66,5
Limit (dB) :	53,8	53,8
Margin (dB) :	12,7	12,7
Frequency (MHz) :	1,75	1,75



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	39,0	46,1
Limit (dB) :	29,5	35,8
Margin (dB) :	9,5	10,3
Frequency (MHz) :	97,50	40,25

PSACRF :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	41,0	41,1
Limit (dB) :	26,2	26,5
Margin (dB) :	14,8	14,6
Frequency (MHz) :	29,65	28,60

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

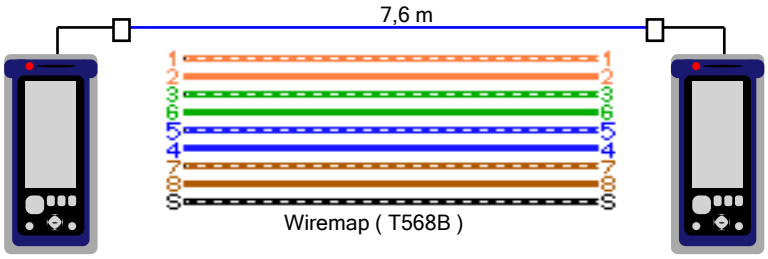
Reporting Software : 6.2.7

Copper Certification Report

Pass

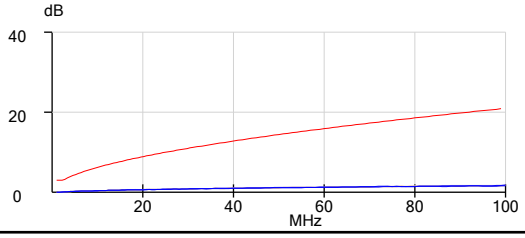
Site : BTS SN
Operator : gege four
Cable Label : -32

Limit : TIA - Cat 5e Permanent Link
Date & Time : 14/10/2016 14:36:26
Cable Name : CAT 5e FTP
Connector Name : STP Mod Jack 5E
Local : tw20251419 Cat 6A Link
Remote : tw20251420 Cat 6A Link
Local Calibration Date : 6-January-2015
Remote Calibration Date : 6-January-2015



Insertion Loss :

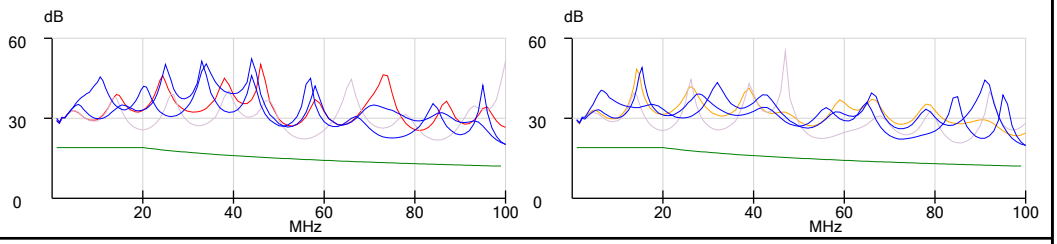
	Worst Margin :	Worst Value :
Worst Pair :	36	36
Value (dB) :	0,1	1,8
Limit (dB) :	3,0	21,0
Margin (dB) :	2,9	19,2
Frequency (MHz) :	1,60	100,00



	Value	Limit	Margin
Cable NVP :	68,0		
Propagation Delay (ns):	43,0	498,0	455,0
Delay Skew (ns):	1,0	44,0	43,0
Resistance (Ohm):	2,5	21,0	18,5

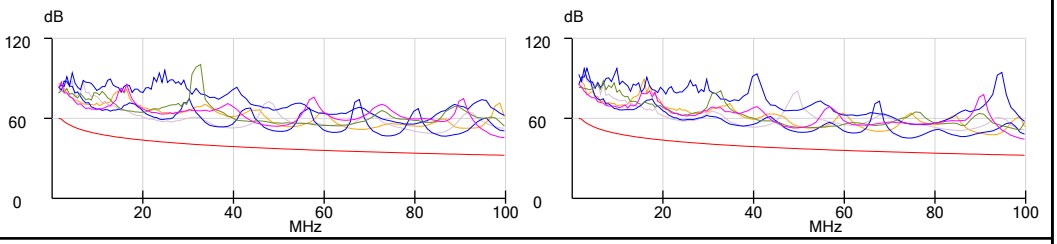
Return Loss :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	25,7	25,4
Limit (dB) :	19,0	19,0
Margin (dB) :	6,7	6,4
Frequency (MHz) :	19,60	19,60



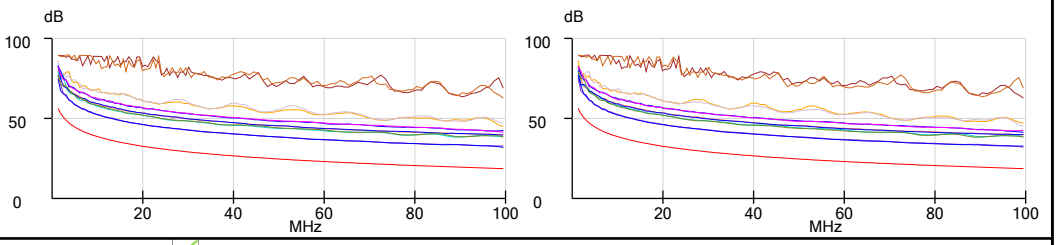
NEXT :

	Local :	Remote :
Worst Pair :	36-45	36-45
Value (dB) :	46,8	45,1
Limit (dB) :	34,5	34,5
Margin (dB) :	12,3	10,6
Frequency (MHz) :	73,75	74,00



ACRF :

	Local :	Remote :
Worst Pair :	45-36	45-36
Value (dB) :	31,9	65,0
Limit (dB) :	18,7	51,8
Margin (dB) :	13,2	13,2
Frequency (MHz) :	99,50	2,20



PSNEXT :

	Local :	Remote :
Worst Pair :	36	36
Value (dB) :	48,1	46,8
Limit (dB) :	34,2	34,2
Margin (dB) :	13,9	12,6
Frequency (MHz) :	50,50	50,50

PSACRF :

	Local :	Remote :
Worst Pair :	45	36
Value (dB) :	63,6	47,1
Limit (dB) :	48,8	31,9
Margin (dB) :	14,8	15,2
Frequency (MHz) :	2,20	15,40

Network Compliance: 10BASE-T, 100BASE-T, 1000BASE-T

Printed : 07 novembre, 2016 11:23

Signature :

Device Software : 6.2.7

Reporting Software : 6.2.7