

IDEAL INDUSTRIES, Inc. Certified - LanTEK Test Report

Job Name: ASM_meranie_CAT6A_kabel
Company: XTENDLAN

Report Date: Wednesday, November 10, 2010 12:56 PM
Version: 1.1.1.9

Summary:

All Cables	Twisted Pair	Coax/Twinax	Fiber
Total: 1	Total: 1	Total: 0	Total: 0
Pass: 1	Pass: 1	Pass: 0	Pass: 0
Fail: 0	Fail: 0	Fail: 0	Fail: 0
Tot. Length: 78,8m	Tot. Length: 78,8m	Tot. Length: 0m	Tot. Length: 0m

Pass

Test Name: PLANET ELITE KAB-FUTP6A-D-P

Test Limit: Cat 6a 500 STP Perm

Test Date: 11/10/2010

Test Time: 11:26:08

Adapter ID: 6004

User Notes: Permanent meranie

NVP: 72

LANTEK II-500 [1018158/1018208]

Firmware 1.203

Calibration Date: 10.5.2010 14:29:12

Standard: TIA 568-B.2-10

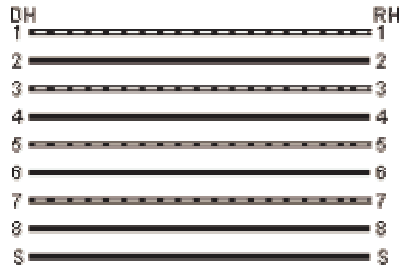
Frequency Range: 1 - 500MHz

Operator: XTENDLAN

Contractor: XTENDLAN

Company: XTENDLAN

Wiremap: Pass

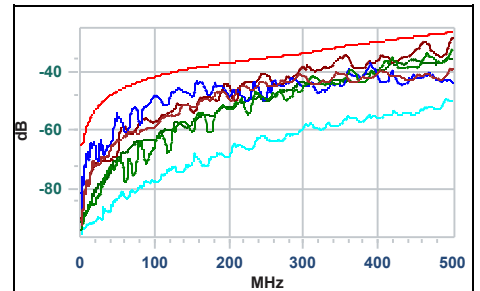


Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limit	Result
Length	79,9 m.	79,7 m.	78,8 m.	79,4 m.	< 90,0 m.	Pass
Propagation Delay	370,3 ns	369,4 ns	365,1 ns	367,7 ns	< 498,0 ns	Pass
Delay Skew	5,2 ns	4,3 ns	0,0 ns	2,6 ns	< 44,0 ns	Pass
DC Resistance	10,0 ohms	10,3 ohms	9,6 ohms	9,5 ohms	< 20,0 ohms	Pass
Headroom	0,0 dB					Pass

NEXT: Pass

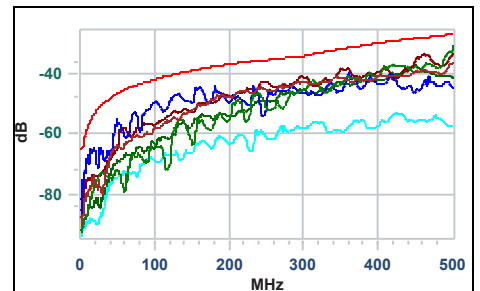
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	40,9dB @ 294,0MHz	34,2dB	6,7dB	38,8dB @ 500,0MHz	26,7dB	12,1dB
7,8-5,4	Pass	32,3dB @ 500,0MHz	26,7dB	5,6dB	32,3dB @ 500,0MHz	26,7dB	5,6dB
7,8-1,2	Pass	49,1dB @ 491,0MHz	26,9dB	22,2dB	49,1dB @ 491,0MHz	26,9dB	22,2dB
3,6-5,4	Pass	43,1dB @ 156,5MHz	38,7dB	4,4dB	36,7dB @ 390,0MHz	30,2dB	6,5dB
3,6-1,2	Pass	29,6dB @ 463,0MHz	27,8dB	1,8dB	28,7dB @ 499,0MHz	26,7dB	2,0dB
5,4-1,2	Pass	35,4dB @ 449,0MHz	28,2dB	7,2dB	35,0dB @ 493,0MHz	26,9dB	8,1dB



RH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	42,4dB @ 293,0MHz	34,2dB	8,2dB	36,5dB @ 500,0MHz	26,7dB	9,8dB
7,8-5,4	Pass	30,7dB @ 500,0MHz	26,7dB	4,0dB	30,7dB @ 500,0MHz	26,7dB	4,0dB
7,8-1,2	Pass	55,9dB @ 315,0MHz	33,3dB	22,6dB	52,6dB @ 425,0MHz	29,0dB	23,6dB
3,6-5,4	Pass	44,7dB @ 155,5MHz	38,7dB	6,0dB	39,7dB @ 361,0MHz	31,3dB	8,4dB
3,6-1,2	Pass	33,3dB @ 462,0MHz	27,8dB	5,5dB	33,3dB @ 500,0MHz	26,7dB	6,6dB
5,4-1,2	Pass	37,0dB @ 450,0MHz	28,2dB	8,8dB	37,0dB @ 450,0MHz	28,2dB	8,8dB



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Company: XTENDLAN

Report Date: Wednesday, November 10, 2010 12:56 PM
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Pass

Test Name: PLANET ELITE KAB-FUTP6A-D-P
Test Limit: Cat 6a 500 STP Perm
Test Date: 11/10/2010
Test Time: 11:26:08
Adapter ID: 6004
User Notes: Permanent meranie

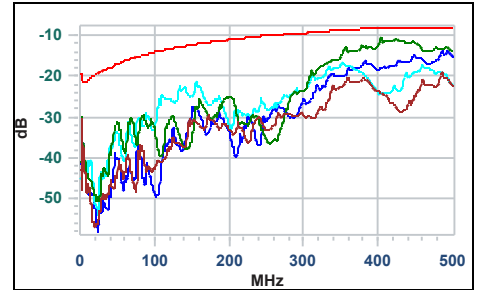
NVP: 72
LANTEK II-500 [1018158/1018208]
Firmware 1.203
Calibration Date: 10.5.2010 14:29:12

Standard: TIA 568-B.2-10
Frequency Range: 1 - 500MHz
Operator: XTENDLAN
Contractor: XTENDLAN
Company: XTENDLAN

Return Loss: Pass

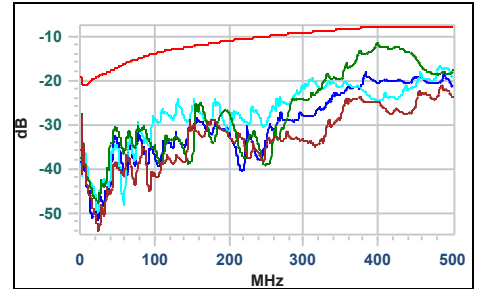
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	30,0dB @ 1,9MHz	20,2dB	9,8dB	19,0dB @ 486,0MHz	8,0dB	11,0dB
3,6	Pass	10,4dB @ 404,0MHz	8,0dB	2,4dB	10,4dB @ 404,0MHz	8,0dB	2,4dB
5,4	Pass	16,4dB @ 353,0MHz	8,5dB	7,9dB	16,4dB @ 353,0MHz	8,5dB	7,9dB
1,2	Pass	13,6dB @ 487,0MHz	8,0dB	5,6dB	13,6dB @ 487,0MHz	8,0dB	5,6dB



RH

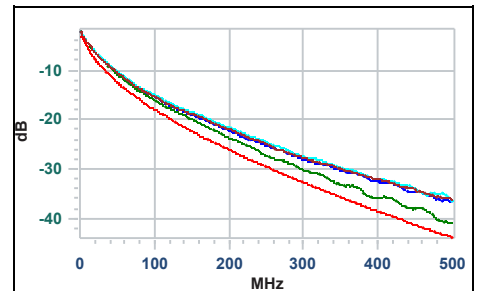
Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	28,2dB @ 1,9MHz	20,1dB	8,1dB	20,9dB @ 485,0MHz	8,0dB	12,9dB
3,6	Pass	11,5dB @ 399,0MHz	8,0dB	3,5dB	11,5dB @ 399,0MHz	8,0dB	3,5dB
5,4	Pass	16,9dB @ 483,0MHz	8,0dB	8,9dB	16,9dB @ 484,0MHz	8,0dB	8,9dB
1,2	Pass	28,5dB @ 1,9MHz	20,2dB	8,3dB	18,2dB @ 383,0MHz	8,2dB	10,0dB



Insertion Loss: *Pass

DH

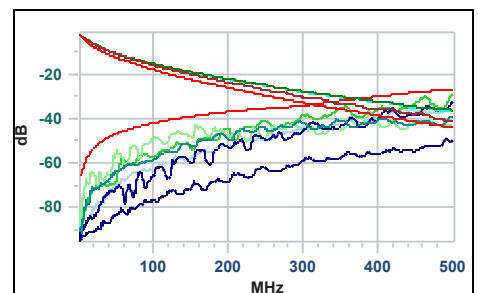
Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	2,8dB @ 3,1MHz	3,1dB	0,3dB	36,3dB @ 499,0MHz	43,9dB	7,6dB
3,6	*Pass	2,9dB @ 3,1MHz	3,1dB	0,2dB	41,0dB @ 496,0MHz	43,7dB	2,7dB
5,4	Pass	2,8dB @ 3,1MHz	3,1dB	0,3dB	36,5dB @ 499,0MHz	43,9dB	7,4dB
1,2	Pass	2,8dB @ 3,1MHz	3,1dB	0,3dB	36,6dB @ 499,0MHz	43,9dB	7,3dB



ACR-N: Pass

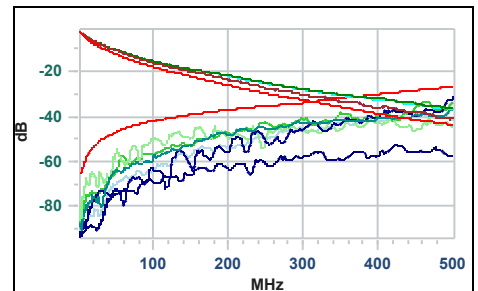
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	11,1dB @ 294,0MHz	1,9dB	9,2dB	-2,1dB @ 500,0MHz	-17,2dB	15,1dB
7,8-5,4	Pass	-1,7dB @ 466,0MHz	-14,4dB	12,7dB	-4,1dB @ 500,0MHz	-17,2dB	13,1dB
7,8-1,2	Pass	89,4dB @ 1,9MHz	62,0dB	27,4dB	12,7dB @ 491,0MHz	-16,5dB	29,2dB
3,6-5,4	Pass	22,7dB @ 156,5MHz	15,9dB	6,8dB	1,0dB @ 390,0MHz	-7,8dB	8,8dB
3,6-1,2	Pass	-12,1dB @ 499,0MHz	-17,2dB	5,1dB	-12,1dB @ 499,0MHz	-17,2dB	5,1dB
5,4-1,2	Pass	0,7dB @ 449,0MHz	-13,0dB	13,7dB	-1,3dB @ 493,0MHz	-16,6dB	15,3dB



RH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	12,8dB @ 292,0MHz	2,0dB	10,8dB	-4,4dB @ 500,0MHz	-17,2dB	12,8dB
7,8-5,4	Pass	-5,7dB @ 500,0MHz	-17,2dB	11,5dB	-5,7dB @ 500,0MHz	-17,2dB	11,5dB
7,8-1,2	Pass	88,5dB @ 3,3MHz	61,8dB	26,7dB	17,7dB @ 477,0MHz	-15,3dB	33,0dB
3,6-5,4	Pass	24,4dB @ 155,5MHz	16,0dB	8,4dB	1,8dB @ 491,0MHz	-16,5dB	18,3dB
3,6-1,2	Pass	5,0dB @ 350,0MHz	-3,9dB	8,9dB	-7,6dB @ 500,0MHz	-17,2dB	9,6dB
5,4-1,2	Pass	2,3dB @ 450,0MHz	-13,1dB	15,4dB	2,3dB @ 450,0MHz	-13,1dB	15,4dB



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Company: XTENDLAN

Report Date: Wednesday, November 10, 2010 12:56 PM
Version: 1.1.1.9

Pass

Test Name: PLANET ELITE KAB-FUTP6A-D-P
Test Limit: Cat 6a 500 STP Perm
Test Date: 11/10/2010
Test Time: 11:26:08
Adapter ID: 6004
User Notes: Permanent meranie

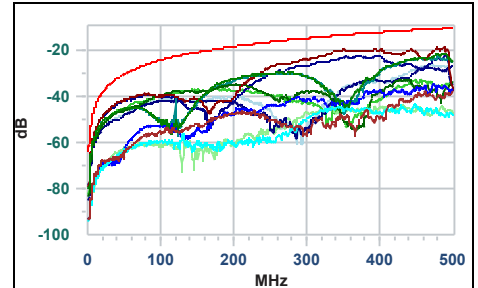
NVP: 72
LANTEK II-500 [1018158/1018208]
Firmware 1.203
Calibration Date: 10.5.2010 14:29:12

Standard: TIA 568-B.2-10
Frequency Range: 1 - 500MHz
Operator: XTENDLAN
Contractor: XTENDLAN
Company: XTENDLAN

ACR-F: Pass

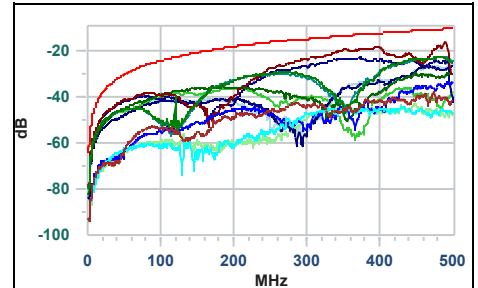
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	37,9dB @ 462,0MHz	10,9dB	27,0dB	37,8dB @ 499,0MHz	10,2dB	27,6dB
7,8-5,4	Pass	21,3dB @ 485,0MHz	10,5dB	10,8dB	21,3dB @ 487,0MHz	10,4dB	10,9dB
7,8-1,2	Pass	94,0dB @ 1,0MHz	64,2dB	29,8dB	43,7dB @ 449,0MHz	11,1dB	32,6dB
3,6-7,8	Pass	33,9dB @ 474,0MHz	10,7dB	23,2dB	33,9dB @ 474,0MHz	10,7dB	23,2dB
3,6-5,4	Pass	19,6dB @ 348,0MHz	13,4dB	6,2dB	18,6dB @ 489,0MHz	10,4dB	8,2dB
3,6-1,2	Pass	62,9dB @ 5,7MHz	49,1dB	13,8dB	32,4dB @ 435,0MHz	11,4dB	21,0dB
5,4-7,8	Pass	61,7dB @ 5,1MHz	50,1dB	11,6dB	22,9dB @ 481,0MHz	10,5dB	12,4dB
5,4-3,6	Pass	22,5dB @ 354,0MHz	13,2dB	9,3dB	21,4dB @ 490,0MHz	10,4dB	11,0dB
5,4-1,2	Pass	62,9dB @ 6,3MHz	48,3dB	14,6dB	26,3dB @ 499,0MHz	10,2dB	16,1dB
1,2-7,8	Pass	93,3dB @ 1,0MHz	64,2dB	29,1dB	43,6dB @ 431,0MHz	11,5dB	32,1dB
1,2-3,6	Pass	63,3dB @ 5,2MHz	49,9dB	13,4dB	32,6dB @ 449,0MHz	11,1dB	21,5dB
1,2-5,4	Pass	62,7dB @ 6,3MHz	48,3dB	14,4dB	26,2dB @ 472,0MHz	10,7dB	15,5dB



RH

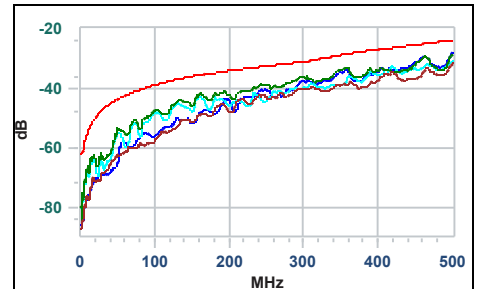
Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8-3,6	Pass	52,9dB @ 83,5MHz	25,8dB	27,1dB	37,9dB @ 474,0MHz	10,7dB	27,2dB
7,8-5,4	Pass	61,6dB @ 5,1MHz	50,1dB	11,5dB	22,6dB @ 481,0MHz	10,5dB	12,1dB
7,8-1,2	Pass	93,3dB @ 1,0MHz	64,2dB	29,1dB	43,8dB @ 431,0MHz	11,5dB	32,3dB
3,6-7,8	Pass	33,2dB @ 500,0MHz	10,2dB	23,0dB	33,2dB @ 500,0MHz	10,2dB	23,0dB
3,6-5,4	Pass	15,7dB @ 489,0MHz	10,4dB	5,3dB	15,7dB @ 489,0MHz	10,4dB	5,3dB
3,6-1,2	Pass	63,2dB @ 5,2MHz	49,9dB	13,3dB	29,4dB @ 494,0MHz	10,3dB	19,1dB
5,4-7,8	Pass	22,2dB @ 480,0MHz	10,6dB	11,6dB	22,1dB @ 489,0MHz	10,4dB	11,7dB
5,4-3,6	Pass	23,0dB @ 348,0MHz	13,4dB	9,6dB	22,9dB @ 373,0MHz	12,8dB	10,1dB
5,4-1,2	Pass	62,7dB @ 6,3MHz	48,3dB	14,4dB	26,6dB @ 469,0MHz	10,8dB	15,8dB
1,2-7,8	Pass	94,0dB @ 1,0MHz	64,2dB	29,8dB	42,9dB @ 448,0MHz	11,2dB	31,7dB
1,2-3,6	Pass	62,0dB @ 6,4MHz	48,1dB	13,9dB	35,7dB @ 435,0MHz	11,4dB	24,3dB
1,2-5,4	Pass	62,9dB @ 6,3MHz	48,3dB	14,6dB	26,2dB @ 499,0MHz	10,2dB	16,0dB



PS NEXT: Pass

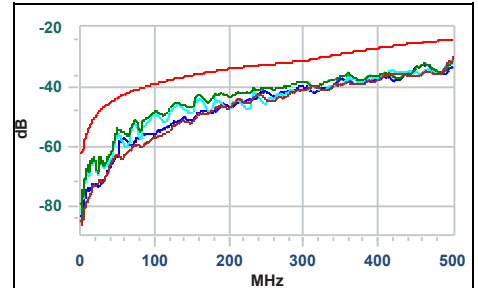
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	31,3dB @ 500,0MHz	23,7dB	7,6dB	31,3dB @ 500,0MHz	23,7dB	7,6dB
3,6	Pass	29,0dB @ 463,0MHz	24,8dB	4,2dB	28,2dB @ 499,0MHz	23,7dB	4,5dB
5,4	Pass	32,2dB @ 419,0MHz	26,2dB	6,0dB	30,5dB @ 500,0MHz	23,7dB	6,8dB
1,2	Pass	28,8dB @ 463,0MHz	24,8dB	4,0dB	27,8dB @ 499,0MHz	23,7dB	4,1dB



RH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	29,6dB @ 500,0MHz	23,7dB	5,9dB	29,6dB @ 500,0MHz	23,7dB	5,9dB
3,6	Pass	35,1dB @ 360,0MHz	28,4dB	6,7dB	31,4dB @ 500,0MHz	23,7dB	7,7dB
5,4	Pass	30,2dB @ 500,0MHz	23,7dB	6,5dB	30,2dB @ 500,0MHz	23,7dB	6,5dB
1,2	Pass	32,2dB @ 462,0MHz	24,8dB	7,4dB	32,2dB @ 462,0MHz	24,8dB	7,4dB



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Company: XTENDLAN

Report Date: Wednesday, November 10, 2010 12:56 PM
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Pass

Test Name: PLANET ELITE KAB-FUTP6A-D-P
Test Limit: Cat 6a 500 STP Perm
Test Date: 11/10/2010
Test Time: 11:26:08
Adapter ID: 6004
User Notes: Permanent meranie

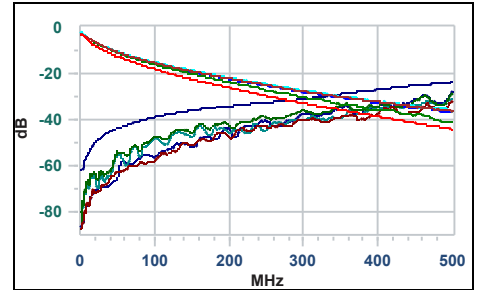
NVP: 72
LANTEK II-500 [1018158/1018208]
Firmware 1.203
Calibration Date: 10.5.2010 14:29:12

Standard: TIA 568-B.2-10
Frequency Range: 1 - 500MHz
Operator: XTENDLAN
Contractor: XTENDLAN
Company: XTENDLAN

PS ACR-N: Pass

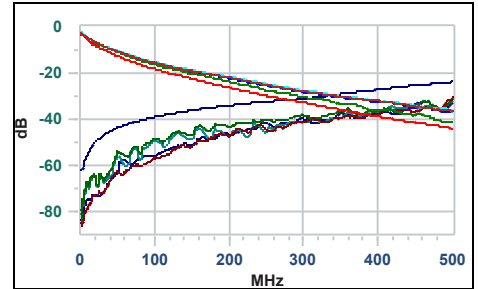
DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	12,5dB @ 294,0MHz	-1,1dB	13,6dB	-4,9dB @ 500,0MHz	-20,2dB	15,3dB
3,6	Pass	-0,6dB @ 357,0MHz	-7,6dB	7,0dB	-12,6dB @ 499,0MHz	-20,2dB	7,6dB
5,4	Pass	23,7dB @ 156,5MHz	12,9dB	10,8dB	-5,9dB @ 500,0MHz	-20,2dB	14,3dB
1,2	Pass	3,0dB @ 357,0MHz	-7,6dB	10,6dB	-8,8dB @ 499,0MHz	-20,2dB	11,4dB



RH

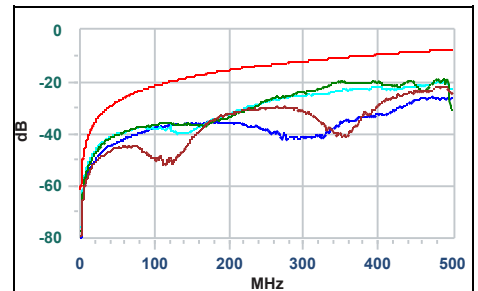
Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	-6,6dB @ 500,0MHz	-20,2dB	13,6dB	-6,6dB @ 500,0MHz	-20,2dB	13,6dB
3,6	Pass	7,8dB @ 298,0MHz	-1,5dB	9,3dB	-9,5dB @ 500,0MHz	-20,2dB	10,7dB
5,4	Pass	28,3dB @ 132,0MHz	16,1dB	12,2dB	-6,2dB @ 500,0MHz	-20,2dB	14,0dB
1,2	Pass	11,3dB @ 298,0MHz	-1,5dB	12,8dB	-3,8dB @ 500,0MHz	-20,2dB	16,4dB



PS ACR-F: Pass

DH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	21,2dB @ 485,0MHz	7,5dB	13,7dB	21,2dB @ 487,0MHz	7,4dB	13,8dB
3,6	Pass	19,5dB @ 348,0MHz	10,4dB	9,1dB	18,4dB @ 489,0MHz	7,4dB	11,0dB
5,4	Pass	57,0dB @ 5,2MHz	46,9dB	10,1dB	19,0dB @ 490,0MHz	7,4dB	11,6dB
1,2	Pass	60,7dB @ 5,2MHz	46,9dB	13,8dB	25,5dB @ 472,0MHz	7,7dB	17,8dB



RH

Pairs	Result	Worst Case Value	Limit	Margin	Worst Overall Value	Limit	Margin
7,8	Pass	61,5dB @ 5,1MHz	47,1dB	14,4dB	22,5dB @ 481,0MHz	7,5dB	15,0dB
3,6	Pass	15,5dB @ 489,0MHz	7,4dB	8,1dB	15,5dB @ 489,0MHz	7,4dB	8,1dB
5,4	Pass	57,1dB @ 5,2MHz	46,9dB	10,2dB	19,3dB @ 480,0MHz	7,6dB	11,7dB
1,2	Pass	59,6dB @ 6,3MHz	45,3dB	14,3dB	25,8dB @ 499,0MHz	7,2dB	18,6dB

