

IDEAL Industries, Inc. Certified - Detailed Report

Job Name: 11.KAT
Customer:

Report Date: 24.04.2009
S/W Version: 3.274

Summary:

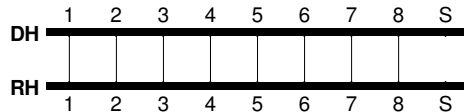
<u>All Cables</u>	<u>Twisted Pair</u>	<u>Coax/Twinax</u>	<u>Fiber</u>	<u>Custom</u>
Total: 1	Total: 1	Total: 0	Total: 0	Total: 0
Pass: 1	Pass: 1	Pass: 0	Pass: 0	Pass: 0
Fail: 0	Fail: 0	Fail: 0	Fail: 0	Fail: 0
	Tot. Length: 63.90m	Tot. Length: 0.00m	Tot. Length: 0.00m	Tot. Length: 0.00m

PASS

Cable ID 1: 11.KAT D015	Cable Type: Cat 6-250 UTP Chan	Test Standard: TIA 568-B.2
Cable ID 2:	NVP: 0.72c	Frequency Range: 1-250 MHz
Test Date: 21.12.2008	LANTEK 7G [650025/650036]	Operator: AHMET SEZGIN
Test Time: 18:11:17	F/W Version: 2.701	Contractor: ATEL ILETIS
Adapter ID: 6004	Temperature Setting: 20.0 °C	Company: ATEL ILETISIM

Notes:

Wiremap



PASS

Pairs (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limit	Result
Length	66.2m	63.9m	64.2m	66.5m	< 100.0m	Pass
Prop. Delay	313.6ns	302.8ns	304.3ns	315.3ns	< 555.0ns	Pass
Delay Skew	12.5ns (Pairs 1,2 vs. 3,6)				< 50.0 ns	Pass
DC Resistance	11.7 Ohm	11.5 Ohm	12.0 Ohm	11.7 Ohm	< 20.0 Ohm	Pass
Headroom	9.5 dB					Pass

NEXT: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8-3,6	DH	Pass	43.7 dB @ 239.50MHz	43.7 dB	> 33.4 dB	10.3 dB
7,8-5,4	DH	Pass	44.1 dB @ 249.50MHz	44.1 dB	> 33.1 dB	11.0 dB
7,8-1,2	DH	Pass	66.5 dB @ 18.55MHz	50.0 dB	> 52.2 dB	14.3 dB
3,6-5,4	DH	Pass	55.5 dB @ 72.25MHz	48.5 dB	> 42.3 dB	13.2 dB
3,6-1,2	DH	Pass	52.9 dB @ 133.00MHz	48.7 dB	> 37.8 dB	15.1 dB
5,4-1,2	DH	Pass	64.3 dB @ 25.90MHz	48.1 dB	> 49.8 dB	14.5 dB
7,8-3,6	RH	Pass	42.3 dB @ 249.50MHz	42.3 dB	> 33.1 dB	9.2 dB
7,8-5,4	RH	Pass	41.4 dB @ 240.00MHz	41.4 dB	> 33.4 dB	8.0 dB
7,8-1,2	RH	Pass	48.4 dB @ 236.50MHz	48.4 dB	> 33.5 dB	14.9 dB
3,6-5,4	RH	Pass	77.8 dB @ 3.55MHz	52.7 dB	> 63.9 dB	13.9 dB
3,6-1,2	RH	Pass	47.3 dB @ 239.00MHz	47.3 dB	> 33.5 dB	13.8 dB
5,4-1,2	RH	Pass	45.4 dB @ 230.50MHz	45.4 dB	> 33.7 dB	11.7 dB

Return Loss: PASS

Pairs	DH/RH	Result	Worst Margin	Worst dB	Limit	Margin
7,8	DH	Pass	26.8 dB @ 2.20MHz	19.2 dB	> 19.0 dB	7.8 dB
3,6	DH	Pass	25.4 dB @ 2.35MHz	17.8 dB	> 19.0 dB	6.4 dB
5,4	DH	Pass	26.3 dB @ 2.20MHz	19.3 dB	> 19.0 dB	7.3 dB
1,2	DH	Pass	28.4 dB @ 2.20MHz	19.4 dB	> 19.0 dB	9.4 dB
7,8	RH	Pass	27.0 dB @ 2.20MHz	19.3 dB	> 19.0 dB	8.0 dB
3,6	RH	Pass	25.4 dB @ 3.85MHz	19.8 dB	> 19.0 dB	6.4 dB
5,4	RH	Pass	18.7 dB @ 102.00MHz	16.7 dB	> 11.9 dB	6.8 dB
1,2	RH	Pass	28.9 dB @ 2.20MHz	20.9 dB	> 19.0 dB	9.9 dB

Attenuation: PASS

Pairs	Result	Worst Margin	Worst dB	Limit	Margin
7,8	Pass	1.6 dB @ 2.35MHz	19.6 dB	< 3.1 dB	1.5 dB
3,6	Pass	1.6 dB @ 2.35MHz	19.6 dB	< 3.1 dB	1.5 dB
5,4	Pass	1.6 dB @ 2.35MHz	19.6 dB	< 3.1 dB	1.5 dB
1,2	Pass	1.6 dB @ 2.35MHz	20.0 dB	< 3.1 dB	1.5 dB

IDEAL Industries, Inc. Certified - Detailed Report

Job Name: 11.KAT
Customer:

Report Date: 24.04.2009
S/W Version: 3.274

PASS

Cable ID 1: 11.KAT D015
Cable ID 2:
Test Date: 21.12.2008
Test Time: 18:11:17
Adapter ID: 6004

Cable Type: Cat 6-250 UTP Chan
NVP: 0.72c
LANTEK 7G [650025/650036]
F/W Version: 2.701
Temperature Setting: 20.0° C

Test Standard: TIA 568-B.2
Frequency Range: 1-250 MHz
Operator: AHMET SEZGIN
Contractor: ATEL ILETIS
Company: ATEL ILETISIM

Notes:
ACR: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	24.6 dB @ 249.50MHz	N/A	>= -2.8 dB	27.4 dB
3,6	DH	Pass	24.7 dB @ 249.00MHz	N/A	>= -2.8 dB	27.5 dB
5,4	DH	Pass	24.6 dB @ 249.50MHz	N/A	>= -2.8 dB	27.4 dB
1,2	DH	Pass	28.6 dB @ 249.00MHz	N/A	>= -2.8 dB	31.4 dB
7,8	RH	Pass	22.4 dB @ 240.00MHz	N/A	>= -1.7 dB	24.1 dB
3,6	RH	Pass	22.7 dB @ 250.00MHz	N/A	>= -2.8 dB	25.5 dB
5,4	RH	Pass	22.5 dB @ 240.00MHz	N/A	>= -1.7 dB	24.2 dB
1,2	RH	Pass	25.8 dB @ 230.50MHz	N/A	>= -0.6 dB	26.4 dB

ELFEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8-3,6	DH	Pass	35.1 dB @ 213.50MHz	35.1 dB	> 16.7 dB	18.4 dB
7,8-5,4	DH	Pass	38.0 dB @ 120.00MHz	33.8 dB	> 21.7 dB	16.3 dB
7,8-1,2	DH	Pass	62.4 dB @ 21.40MHz	45.6 dB	> 36.6 dB	25.8 dB
3,6-7,8	DH	Pass	34.2 dB @ 245.00MHz	34.2 dB	> 15.5 dB	18.7 dB
3,6-5,4	DH	Pass	66.0 dB @ 9.70MHz	44.1 dB	> 43.5 dB	22.5 dB
3,6-1,2	DH	Pass	43.5 dB @ 130.00MHz	40.4 dB	> 21.0 dB	22.5 dB
5,4-7,8	DH	Pass	37.5 dB @ 120.00MHz	35.3 dB	> 21.7 dB	15.8 dB
5,4-3,6	DH	Pass	66.7 dB @ 8.20MHz	43.3 dB	> 45.0 dB	21.7 dB
5,4-1,2	DH	Pass	32.3 dB @ 186.00MHz	31.8 dB	> 17.9 dB	14.4 dB
1,2-7,8	DH	Pass	65.2 dB @ 15.85MHz	47.3 dB	> 39.3 dB	25.9 dB
1,2-3,6	DH	Pass	43.9 dB @ 135.00MHz	42.7 dB	> 20.7 dB	23.2 dB
1,2-5,4	DH	Pass	62.6 dB @ 5.95MHz	32.9 dB	> 47.8 dB	14.8 dB
7,8-3,6	RH	Pass	39.0 dB @ 136.00MHz	35.1 dB	> 20.6 dB	18.4 dB
7,8-5,4	RH	Pass	37.8 dB @ 120.00MHz	33.9 dB	> 21.7 dB	16.1 dB
7,8-1,2	RH	Pass	65.2 dB @ 15.85MHz	46.1 dB	> 39.3 dB	25.9 dB
3,6-7,8	RH	Pass	34.3 dB @ 245.00MHz	34.3 dB	> 15.5 dB	18.8 dB
3,6-5,4	RH	Pass	66.1 dB @ 9.70MHz	44.2 dB	> 43.5 dB	22.6 dB
3,6-1,2	RH	Pass	44.0 dB @ 130.50MHz	40.9 dB	> 20.9 dB	23.1 dB
5,4-7,8	RH	Pass	37.7 dB @ 120.00MHz	35.3 dB	> 21.7 dB	16.0 dB
5,4-3,6	RH	Pass	66.8 dB @ 8.05MHz	43.1 dB	> 45.1 dB	21.7 dB
5,4-1,2	RH	Pass	64.4 dB @ 4.75MHz	32.5 dB	> 49.7 dB	14.7 dB
1,2-7,8	RH	Pass	65.4 dB @ 15.40MHz	46.0 dB	> 39.5 dB	25.9 dB
1,2-3,6	RH	Pass	43.4 dB @ 135.00MHz	42.0 dB	> 20.7 dB	22.7 dB
1,2-5,4	RH	Pass	32.2 dB @ 192.00MHz	32.2 dB	> 17.6 dB	14.6 dB

Power Sum NEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	40.9 dB @ 239.50MHz	40.8 dB	> 30.4 dB	10.5 dB
3,6	DH	Pass	43.0 dB @ 202.00MHz	42.1 dB	> 31.7 dB	11.3 dB
5,4	DH	Pass	42.1 dB @ 249.50MHz	42.1 dB	> 30.1 dB	12.0 dB
1,2	DH	Pass	45.9 dB @ 203.00MHz	45.1 dB	> 31.7 dB	14.2 dB
7,8	RH	Pass	39.0 dB @ 242.00MHz	38.9 dB	> 30.4 dB	8.6 dB
3,6	RH	Pass	40.8 dB @ 250.00MHz	40.8 dB	> 30.1 dB	10.7 dB
5,4	RH	Pass	39.9 dB @ 242.00MHz	39.9 dB	> 30.4 dB	9.5 dB
1,2	RH	Pass	42.4 dB @ 238.50MHz	42.4 dB	> 30.5 dB	11.9 dB

Power Sum ACR: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	21.3 dB @ 249.50MHz	N/A	>= -5.8 dB	27.1 dB
3,6	DH	Pass	23.1 dB @ 243.50MHz	N/A	>= -5.1 dB	28.2 dB
5,4	DH	Pass	22.6 dB @ 249.50MHz	N/A	>= -5.8 dB	28.4 dB
1,2	DH	Pass	25.7 dB @ 242.00MHz	N/A	>= -4.9 dB	30.6 dB
7,8	RH	Pass	19.5 dB @ 250.00MHz	N/A	>= -5.8 dB	25.3 dB
3,6	RH	Pass	21.2 dB @ 250.00MHz	N/A	>= -5.8 dB	27.0 dB
5,4	RH	Pass	20.9 dB @ 242.00MHz	N/A	>= -4.9 dB	25.8 dB
1,2	RH	Pass	22.7 dB @ 250.00MHz	N/A	>= -5.8 dB	28.5 dB

Power Sum ELFEXT: PASS

<u>Pairs</u>	<u>DH/RH</u>	<u>Result</u>	<u>Worst Margin</u>	<u>Worst dB</u>	<u>Limit</u>	<u>Margin</u>
7,8	DH	Pass	36.7 dB @ 120.00MHz	32.1 dB	>= 18.7 dB	18.0 dB
3,6	DH	Pass	38.0 dB @ 135.50MHz	34.5 dB	>= 17.6 dB	20.4 dB
5,4	DH	Pass	57.4 dB @ 9.70MHz	31.8 dB	>= 40.5 dB	16.9 dB
1,2	DH	Pass	31.4 dB @ 196.50MHz	31.3 dB	>= 14.4 dB	17.0 dB
7,8	RH	Pass	36.4 dB @ 120.00MHz	33.0 dB	>= 18.7 dB	17.7 dB
3,6	RH	Pass	35.4 dB @ 213.50MHz	34.7 dB	>= 13.7 dB	21.7 dB
5,4	RH	Pass	57.3 dB @ 9.55MHz	32.2 dB	>= 40.7 dB	16.6 dB

IDEAL Industries, Inc. Certified - Detailed Report

Job Name: 11.KAT
Customer:

Report Date: 24.04.2009
S/W Version: 3.274

PASS

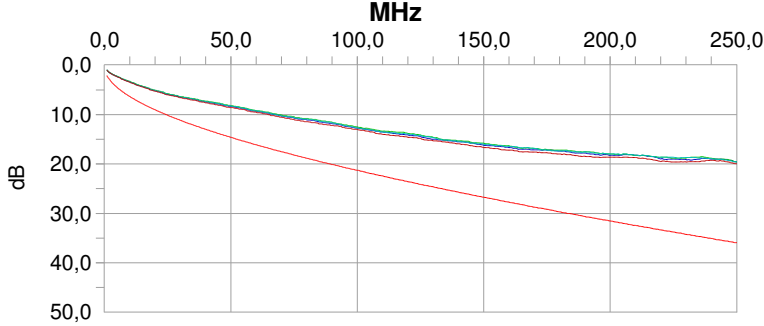
Cable ID 1: 11.KAT D015
Cable ID 2:
Test Date: 21.12.2008
Test Time: 18:11:17
Adapter ID: 6004

Cable Type: Cat 6-250 UTP Chan
NVP: 0.72c
LANTEK 7G [650025/650036]
F/W Version: 2.701
Temperature Setting: 20.0 °C

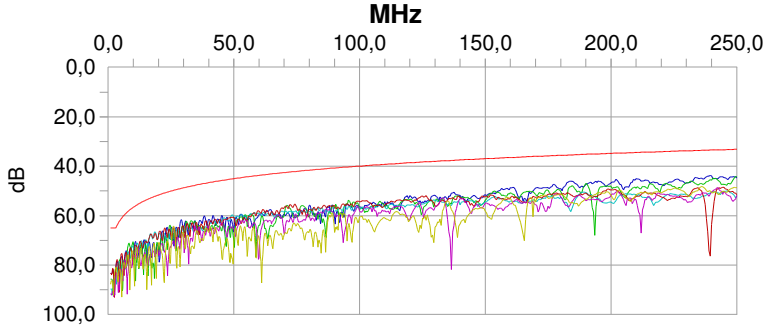
Test Standard: TIA 568-B.2
Frequency Range: 1-250 MHz
Operator: AHMET SEZGIN
Contractor: ATEL ILETIS
Company: ATEL ILETISIM

Notes:

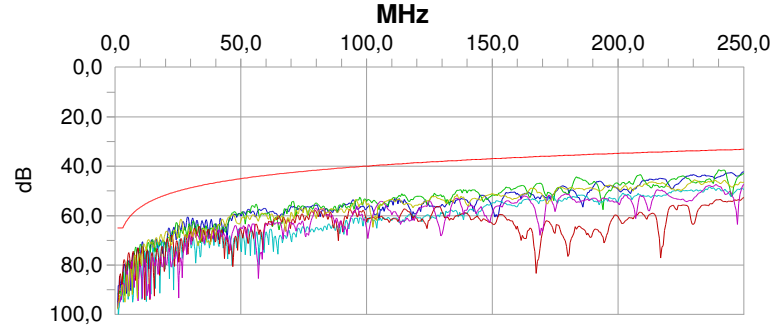
Attenuation Summary



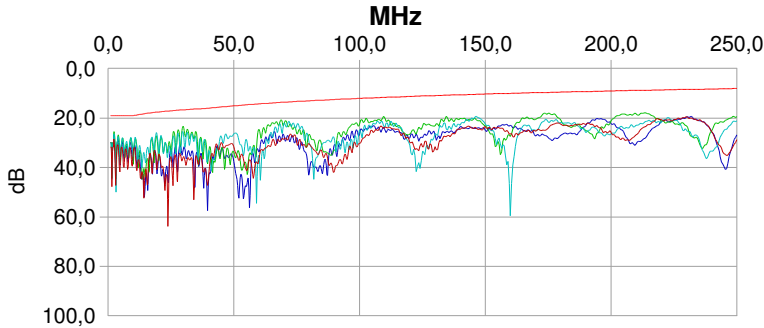
NEXT DH Summary



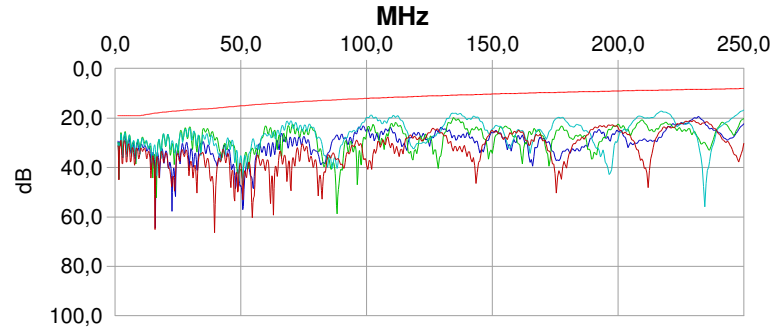
NEXT RH Summary



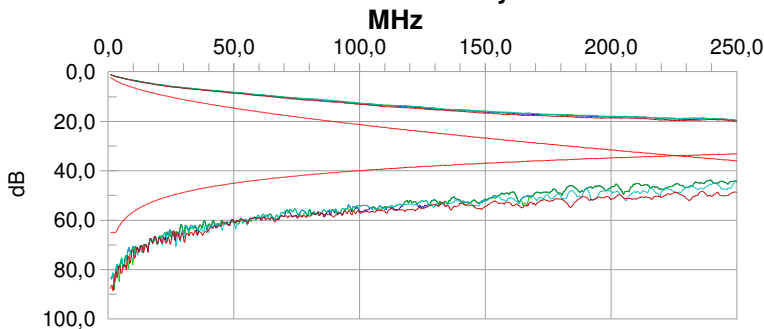
Return Loss DH Summary



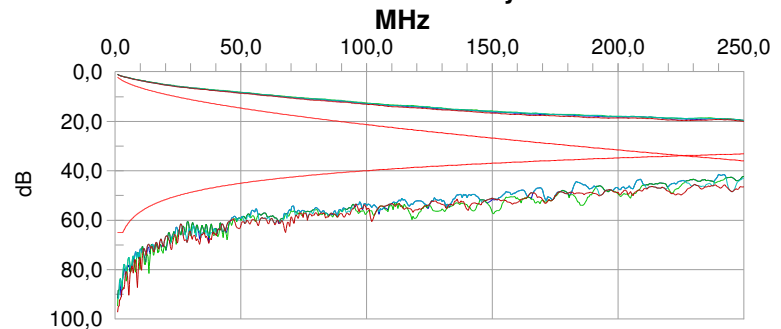
Return Loss RH Summary



ACR DH Summary



ACR RH Summary



IDEAL Industries, Inc. Certified - Detailed Report

Job Name: 11.KAT
Customer:

Report Date: 24.04.2009
S/W Version: 3.274

PASS

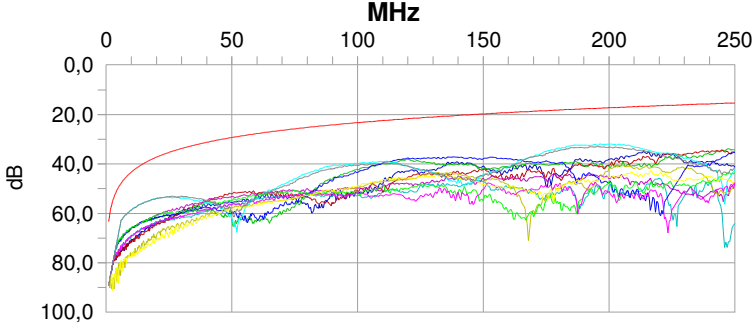
Cable ID 1: 11.KAT D015
Cable ID 2:
Test Date: 21.12.2008
Test Time: 18:11:17
Adapter ID: 6004

Cable Type: Cat 6-250 UTP Chan
NVP: 0.72c
LANTEK 7G [650025/650036]
F/W Version: 2.701
Temperature Setting: 20.0 °C

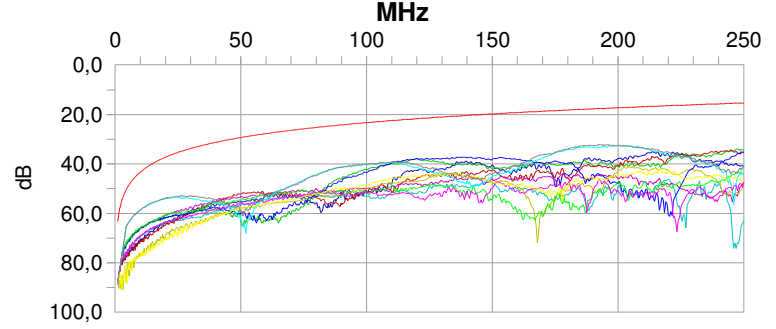
Test Standard: TIA 568-B.2
Frequency Range: 1-250 MHz
Operator: AHMET SEZGIN
Contractor: ATEL ILETIS
Company: ATEL ILETISIM

Notes:

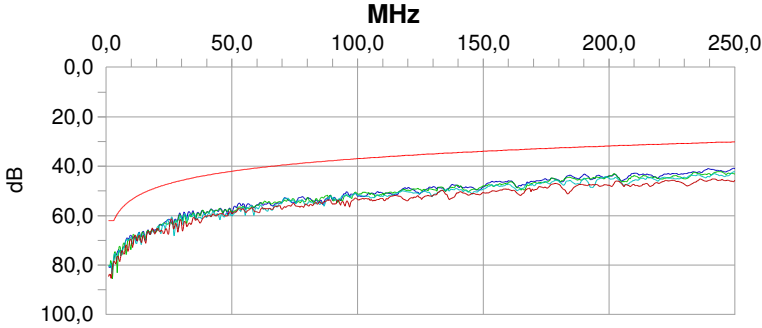
ELFEXT DH Summary



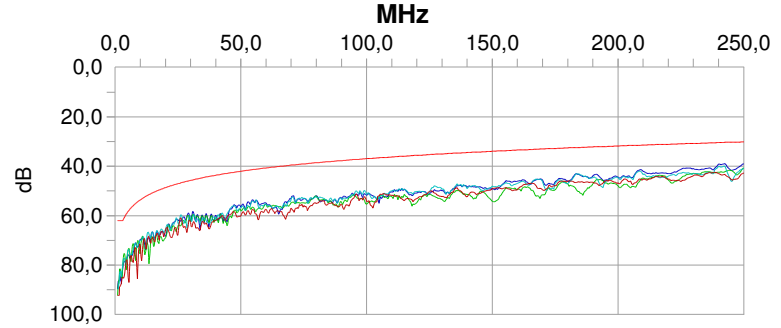
ELFEXT RH Summary



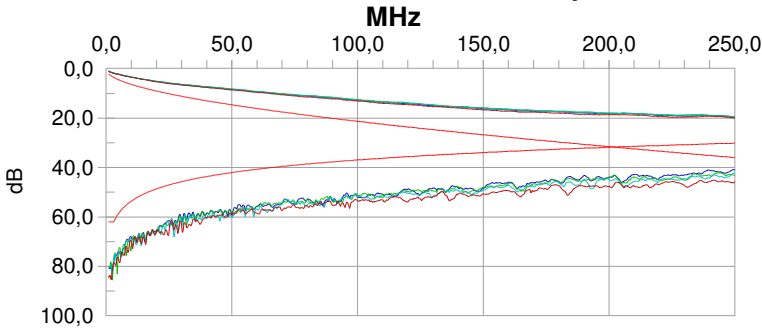
Power Sum NEXT DH Summary



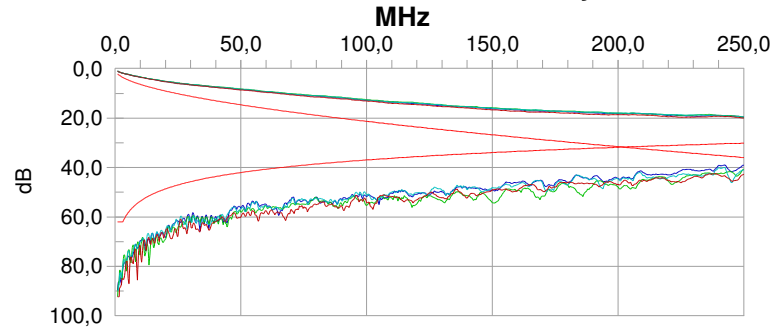
Power Sum NEXT RH Summary



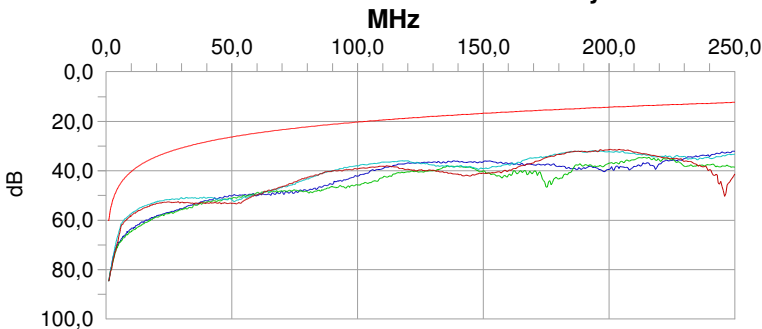
Power Sum ACR DH Summary



Power Sum ACR RH Summary



Power Sum ELFEXT DH Summary



Power Sum ELFEXT RH Summary

