

**Channel-Messung****Aufbau:**

Patch-Kabel A-Ende: 5 m UC300 HS26 4P Cat5 FRNC mit AMP-Stecker
 Komponente A-Ende: AMP CO mit Einsatz 100Base-T
 Tertiärkabel: 90 m Economy Cat7 4P
 Komponente E-Ende: AMP CO mit Einsatz 100Base-T
 Patch-Kabel E-Ende: 5 m UC300 HS26 4P Cat5 FRNC mit AMP-Stecker

Datum: 03.09.2000
 Prüfer: Dr. C. Pfeiler
 Datei: aco_5_e.xls

Frequenz: 1-300 MHz (401 Meßpunkte)
 Meßgeräte: HP8753, KRMZ 1200
 Bewertung gegen Class: 5e

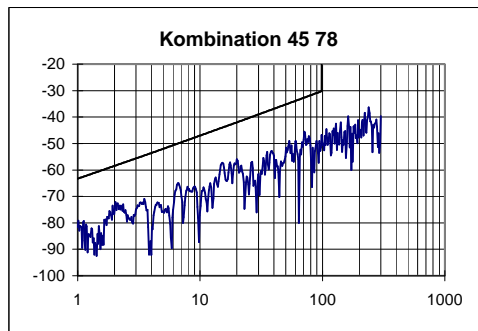
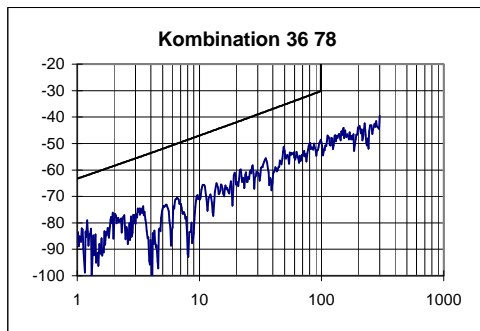
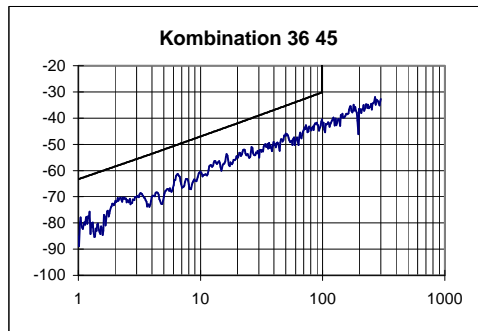
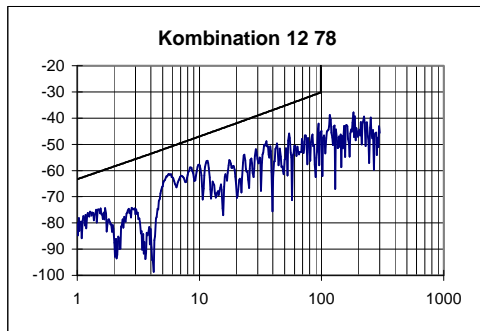
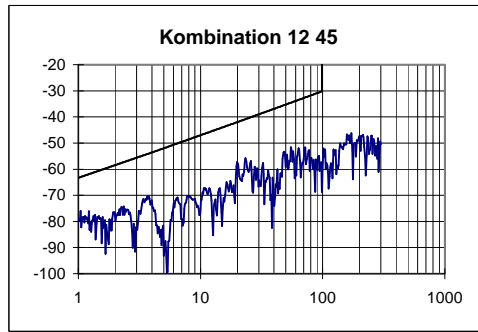
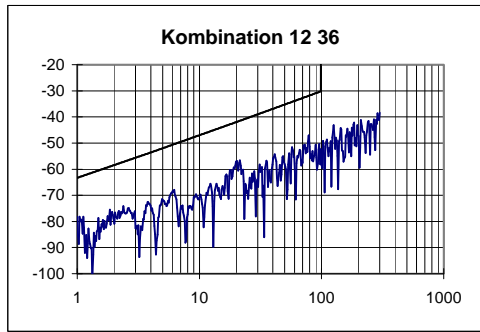
Resultat: Der Channel entspricht Class 5e nach ANSI/TIA-568-A-5.
 Das ACR wird negativ bei 267,66 MHz.

gepr.

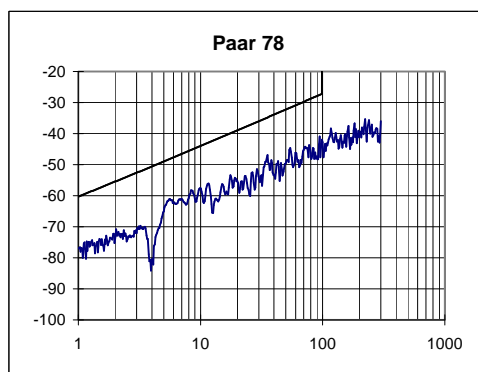
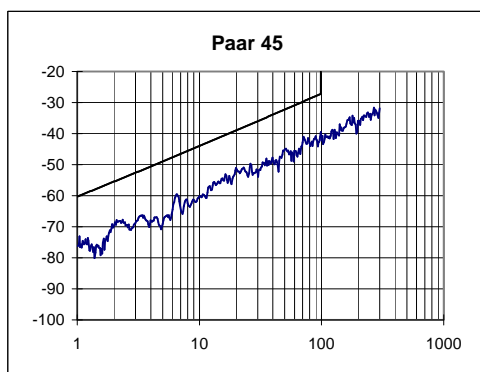
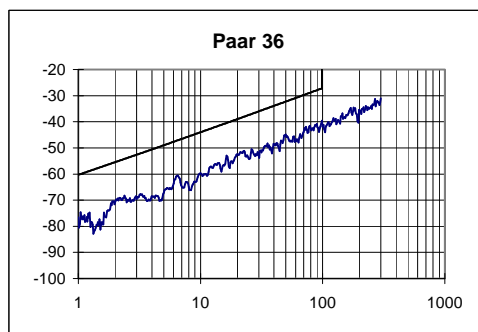
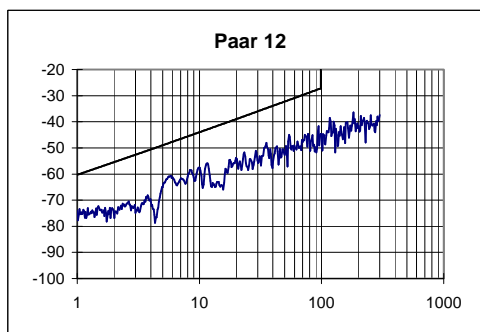
Übersicht Ergebnis:

Paar	12	36	45	78	Grenzwert	max. skew/ns	Grenzw.
max. Laufzeit / ns	501,1	517,8	497,5	505,7	544	20,5	50
Dämpfung @ 100MHz/dB	20,02	21,07	20,06	19,96	24,0		
Dämpfung @ 200MHz/dB	28,98	30,63	28,75	28,79			
min PSNEXT-Res. / dB	12,79	12,40	11,37	12,14			
@ f / MHz	5,61	98,65	71,06	35,34			
PSNEXT Gr. / dB	48,16	27,20	29,64	34,80			
PSNEXT @ 100 MHz	44,6	41,9	42,1	42,8	27,1		
PSNEXT @ 200 MHz	41,5	36,4	36,7	40,2			
min PSELFEXT-Res. / dB	17,08	13,72	13,54	16,16			
@ f / MHz	1,69	51,19	51,19	6,95			
PSELFEXT Gr. / dB	49,83	20,23	20,23	37,57			
PSELFEXT @ 100 MHz	36,8	32,0	33,1	34,2	14,4		
PSELFEXT @ 200 MHz	33,1	24,4	26,2	29,8			
min PSACR-Reserve / dB	13,4	13,7	13,2	13,5			
@ f / MHz	5,9	16,4	2,1	5,6			
PSACR Grenz. / dB	42,3	31,1	51,5	42,7			
PSACR @ 100 MHz	24,6	21,9	22,1	22,9	3,1		
PSACR @ 200 MHz	12,2	7,5	7,9	11,4			
min RL-Reserve / dB	4,9	6,3	5,4	3,9			
@ f / MHz	2,5	2,5	2,5	2,5			
RL Grenzwert / dB	19,0	19,0	19,0	19,0			
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	14,88	12,95	10,11	10,26	15,88	12,87	
@ f / MHz	1,00	1,04	5,61	98,65	49,05	71,06	
NEXT @ 100 MHz	58,4	59,6	44,9	42,9	49,5	50,7	30,1
NEXT @ 200 MHz	47,3	47,2	44,9	37,7	44,2	46,0	
min ELFEXT-Res. / dB	17,0	19,7	15,2	10,8	17,7	19,0	
@ f / MHz	1,0	1,0	1,2	51,2	1,3	7,0	
ELFEXT @ 100 MHz	58,5	49,8	37,0	33,3	37,8	47,2	17,4
ELFEXT @ 200 MHz	33,9	43,8	43,7	26,4	30,3	41,0	
min ACR / dB	28,4	34,8	22,7	20,5	28,8	26,9	
@ f / MHz	78,5	72,1	94,5	98,6	98,6	98,6	
ACR @ 100 MHz	37,3	39,5	24,9	22,8	29,5	30,7	6,1
ACR @ 200 MHz	16,6	18,4	16,1	8,9	15,4	17,2	

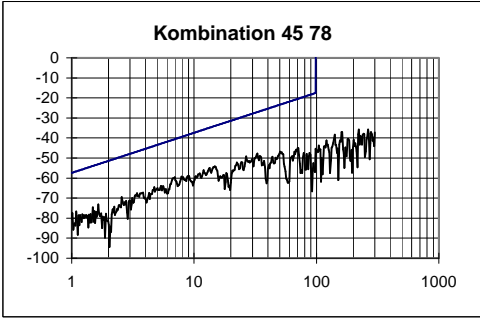
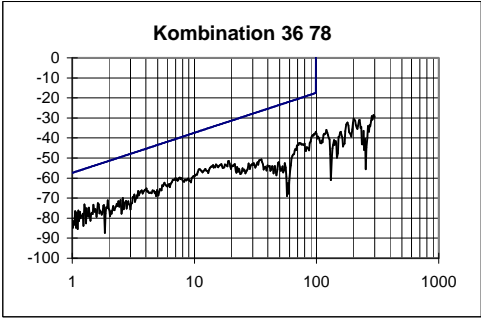
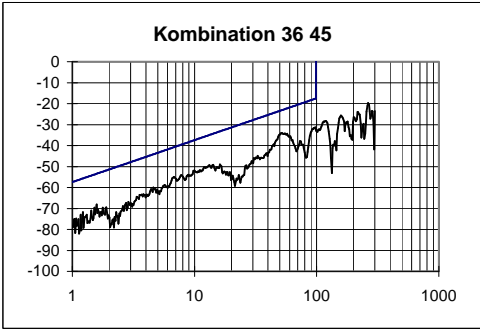
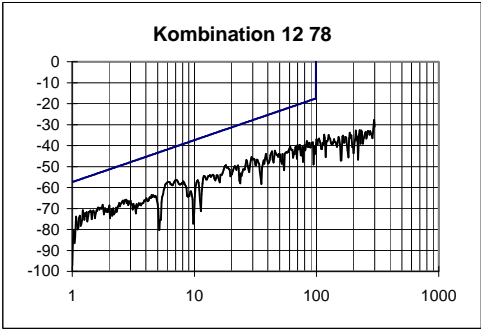
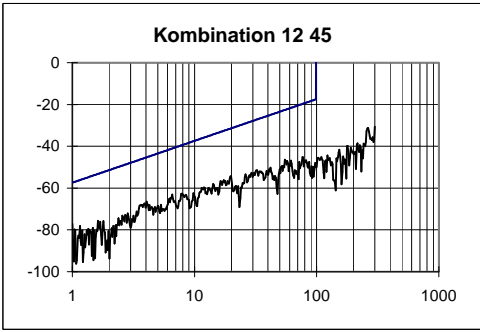
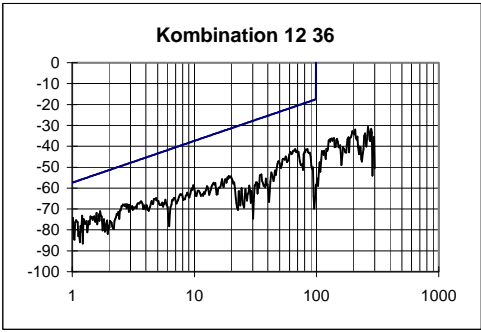
NEXT / dB



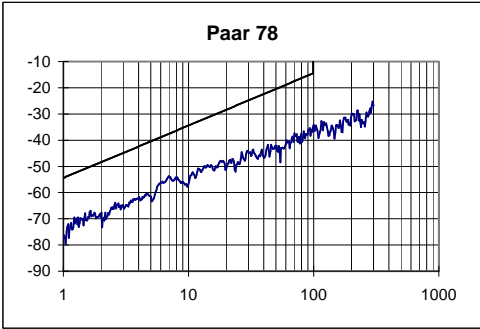
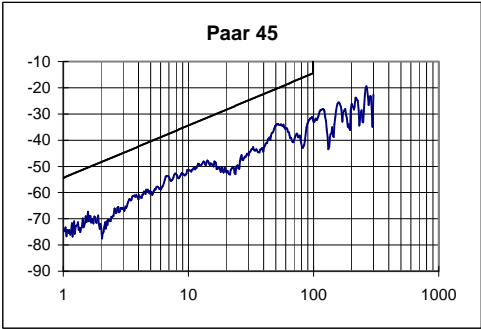
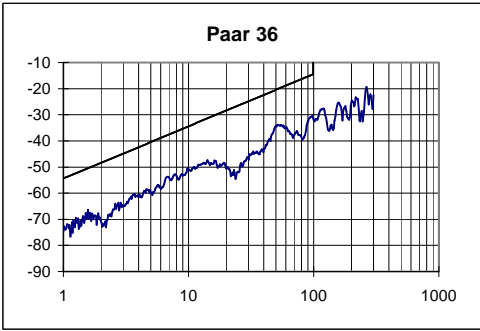
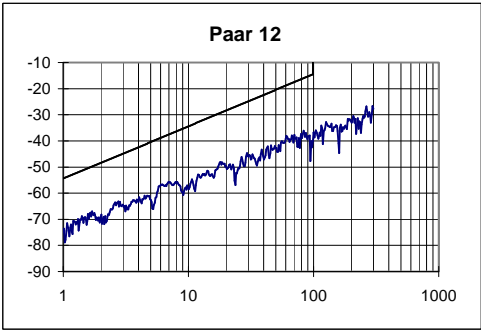
PSNEXT / dB



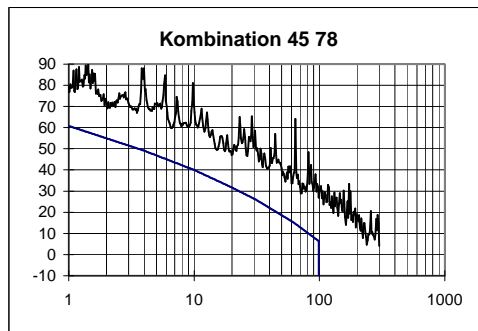
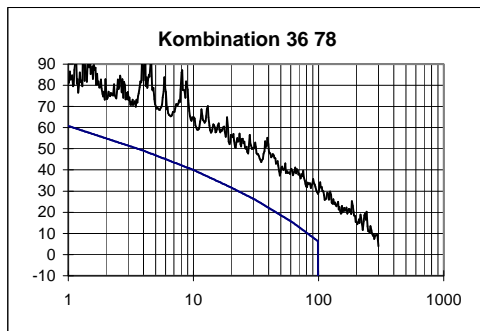
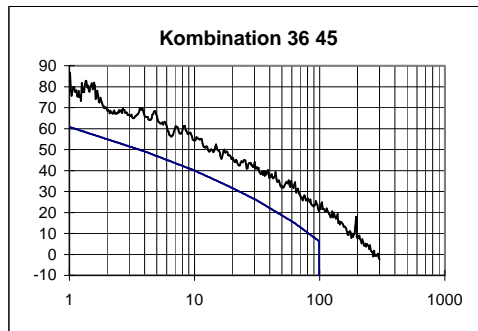
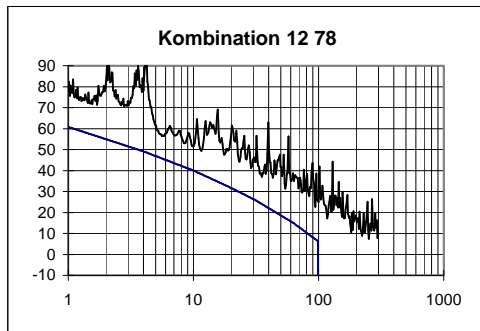
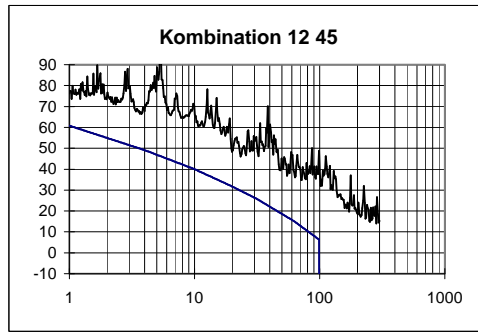
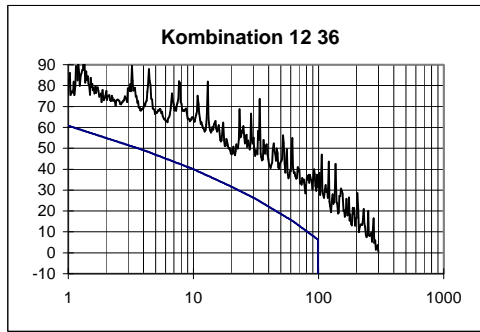
ELFEXT / dB



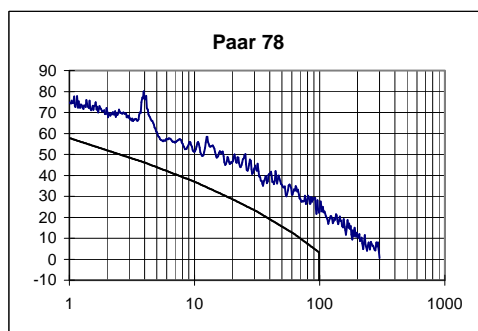
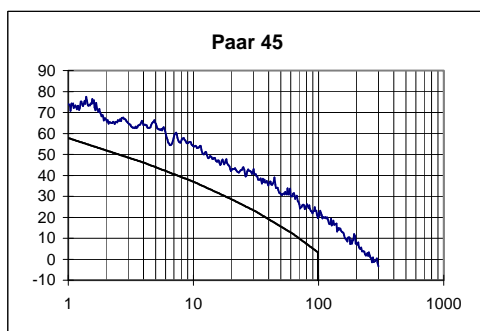
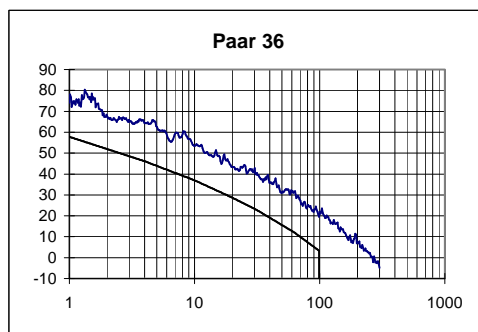
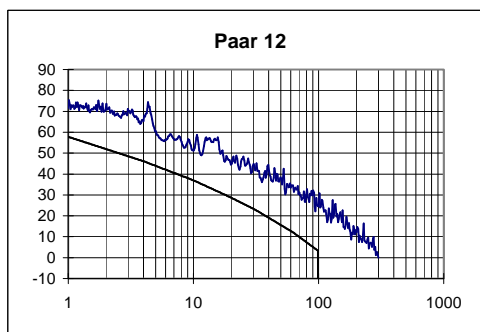
PSELFEXT / dB



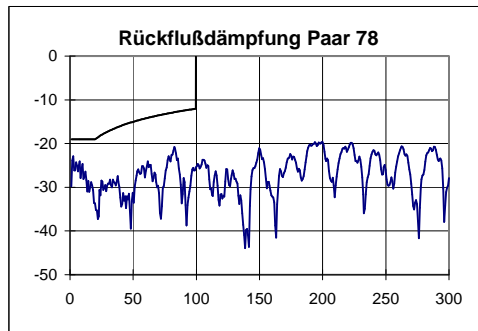
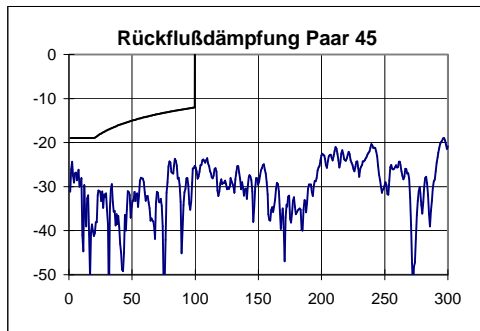
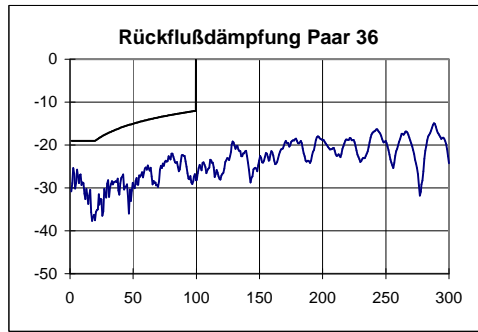
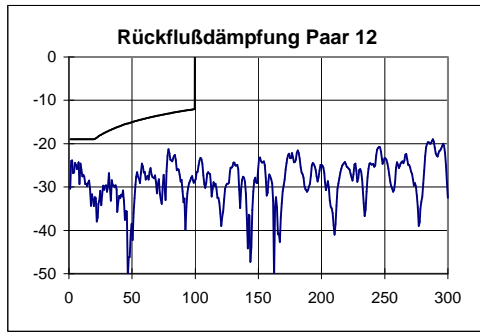
ACR / dB



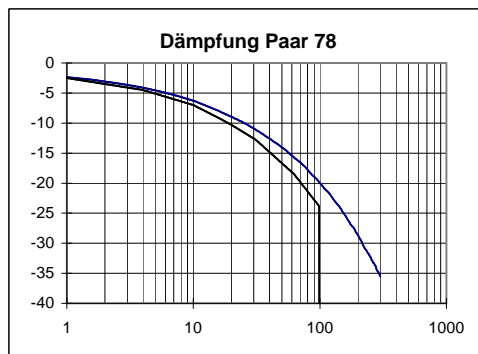
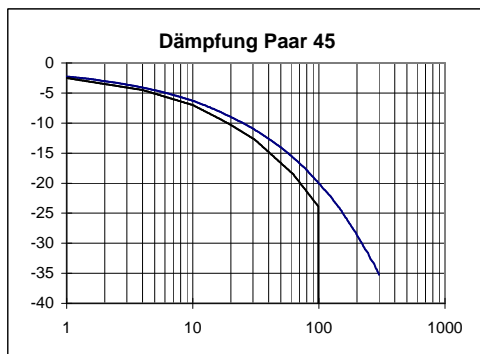
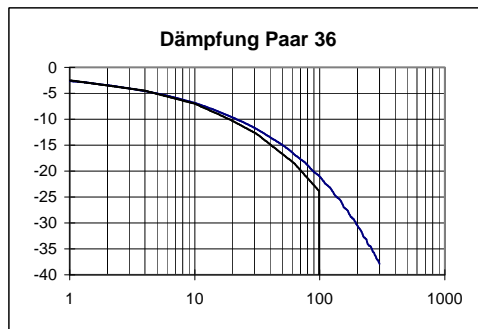
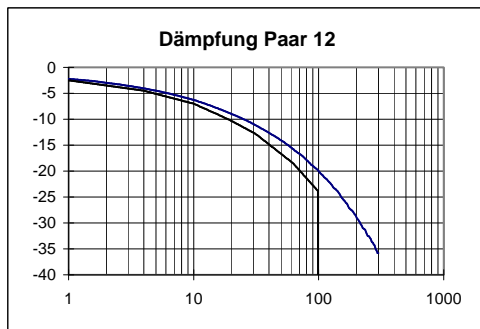
PSACR / dB



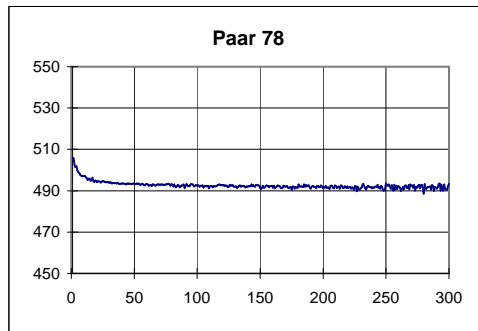
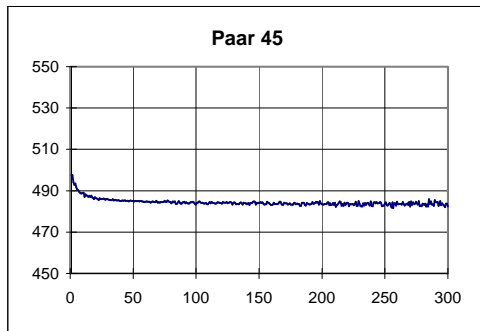
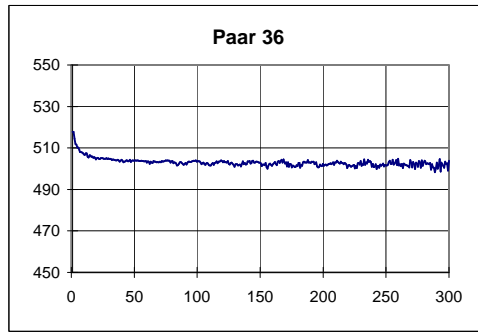
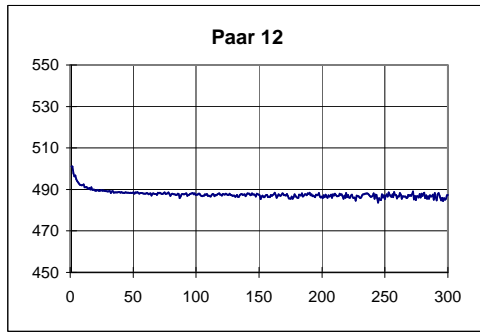
Return Loss / dB



Dämpfung / dB



Laufzeit / ns



Ende des Prüfberichtes