

**Messprotokoll:**  
**Channel-Messung**



# Draka Multimedia Cable

**Messaufbau:**


Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**  
Komponente A-Ende: **AMP ACO+ ISO-Cat.6 Modul**  
Tertiärkabel: **90 m UC400 HS24 4P**  
Komponente E-Ende: **AMP ACO+ ISO-Cat.6 Modul**  
Patch-Kabel E-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**  
Frequenz: **1-300 MHz (401 Messpunkte)**  
Messgeräte: **HP8753, KRMZ 1200**  
Bewertung gegen Class: **E**

**Resultat:**

*Der Channel entspricht Class E nach ISO/IEC JTC 1/SC 25/WG 3 N739.  
Das ACR wird bis 300 MHz nicht negativ!*

Datum: 13.05.2002  
Prüfer: Dr. C. Pfeiler

Prüflabor: Draka Multimedia Cable  
Wohlauer Str. 15  
90475 Nürnberg

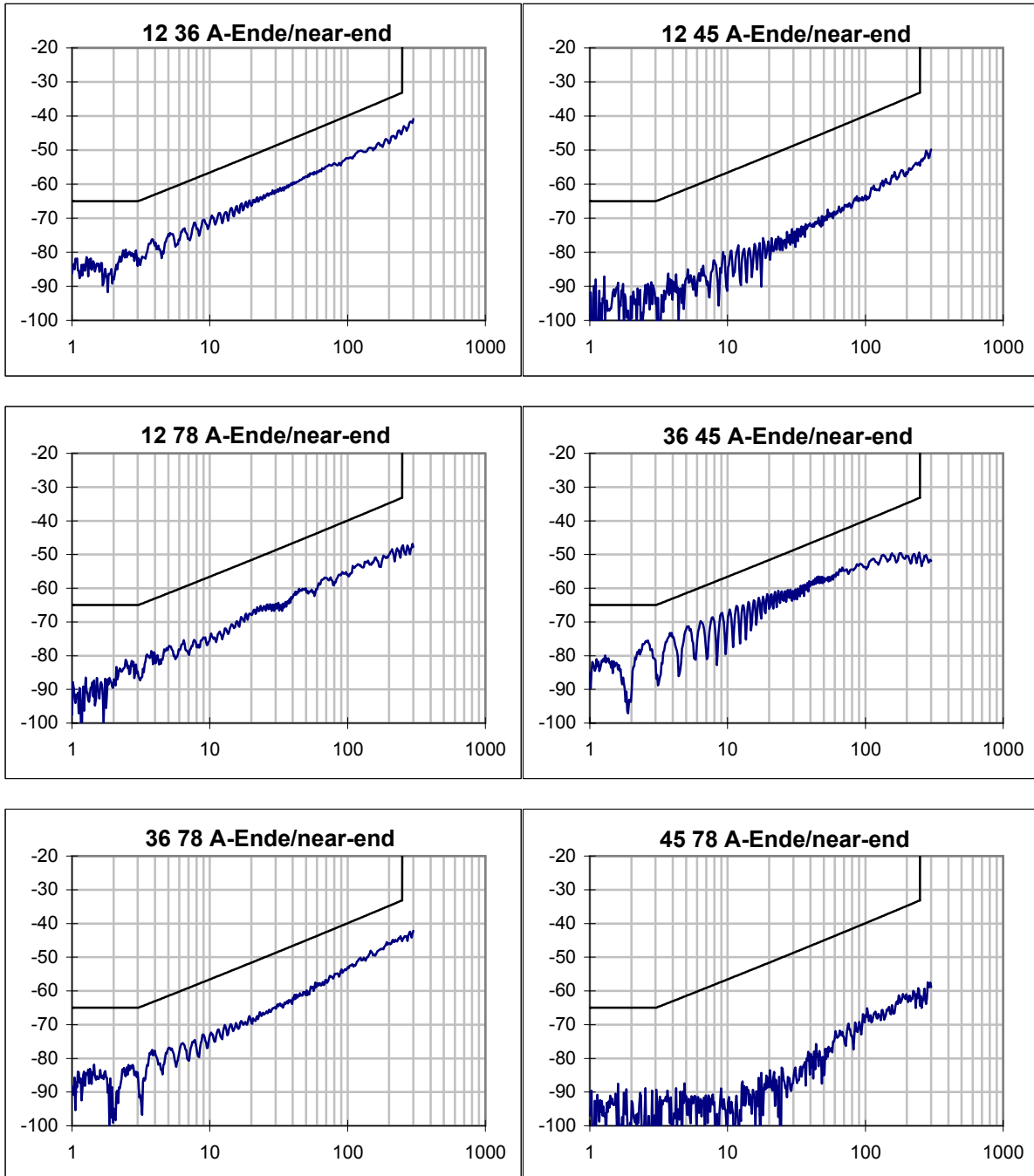
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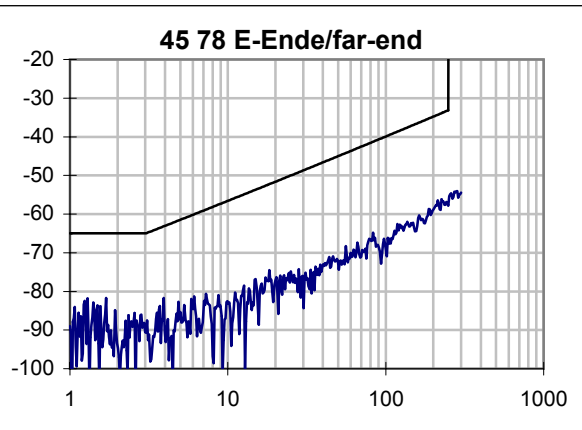
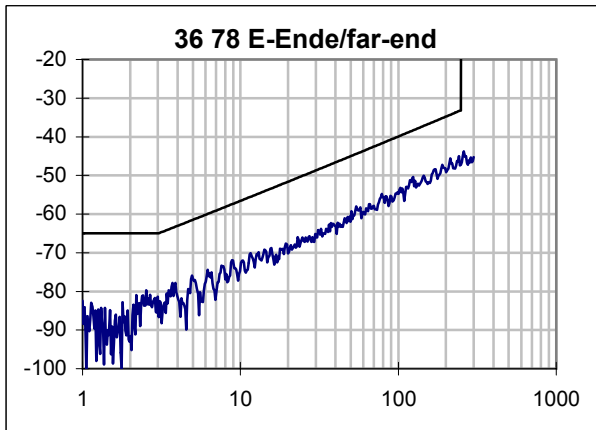
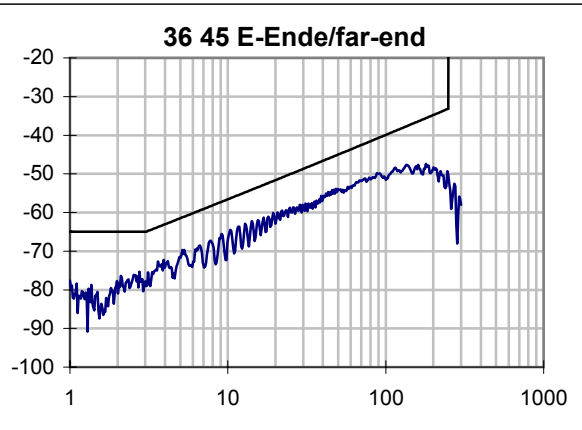
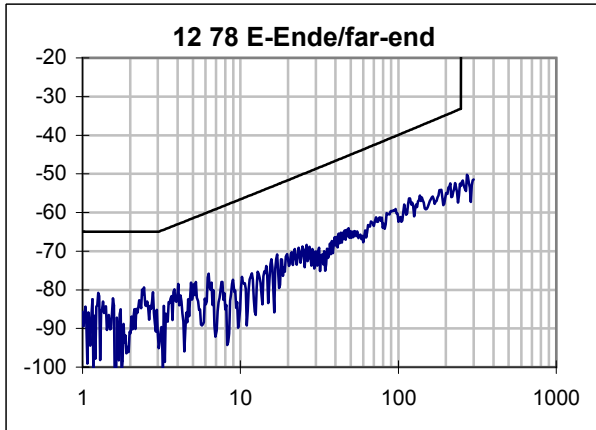
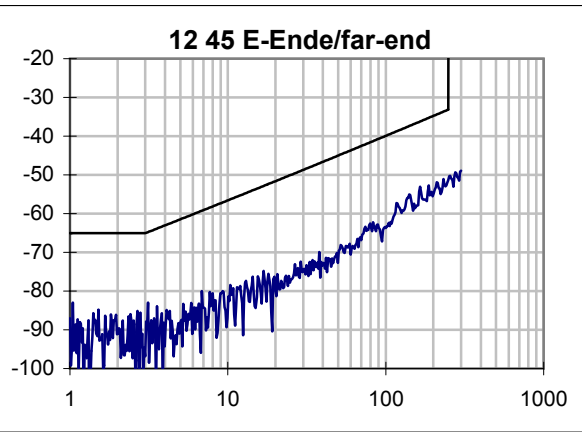
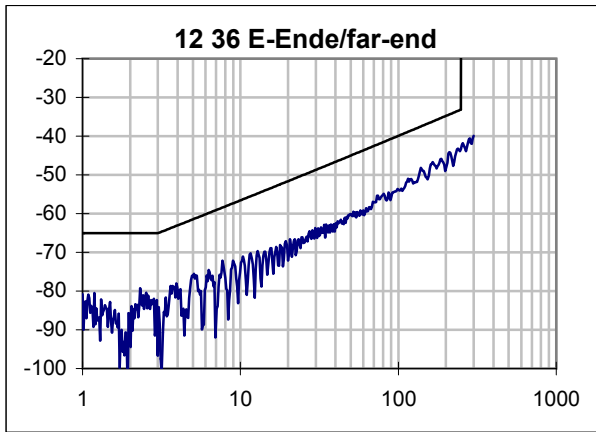
**Übersicht Ergebnisse:**

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	452,1	459,5	452,0	453,8		7,9	50
Dämpfung @ 100MHz/dB	19,31	19,71	19,36	19,00	21,7		
Dämpfung @ 250MHz/dB	31,65	32,07	31,34	31,23	35,9		
min PSNEXT-Res. / dB	11,55	9,21	10,53	11,93			
@ f / MHz	210,04	11,62	10,37	210,04			
PSNEXT Gr. / dB	31,48	52,91	53,73	31,48			
PSNEXT @ 100 MHz	52,44	47,93	50,58	53,19	37,1		
PSNEXT @ 250 MHz	42,35	41,29	47,38	45,94	30,2		
min PSELFEXT-Res. / dB	16,76	12,53	13,42	19,40			
@ f / MHz	1,00	1,00	1,11	1,01			
PSELFEXT Gr. / dB	60,26	60,26	59,39	60,13			
PSELFEXT @ 100 MHz	47,60	39,98	39,79	47,26	20,3		
PSELFEXT @ 250 MHz	34,87	30,49	29,68	35,11	12,3		
min PSACR-Reserve / dB	13,5	9,6	10,9	14,3			
@ f / MHz	3,8	11,6	10,4	3,8			
PSACR Grenz. / dB	56,9	45,8	47,1	56,9			
PSACR @ 100 MHz	33,13	28,32	30,89	33,57	15,4		
PSACR @ 250 MHz	10,70	9,48	15,54	13,99	-5,8		
min RL-Reserve / dB	4,6	4,0	7,5	4,7			
@ f / MHz	36,1	35,4	36,1	36,9			
RL Grenzwert / dB	16,2	16,3	16,2	16,2			

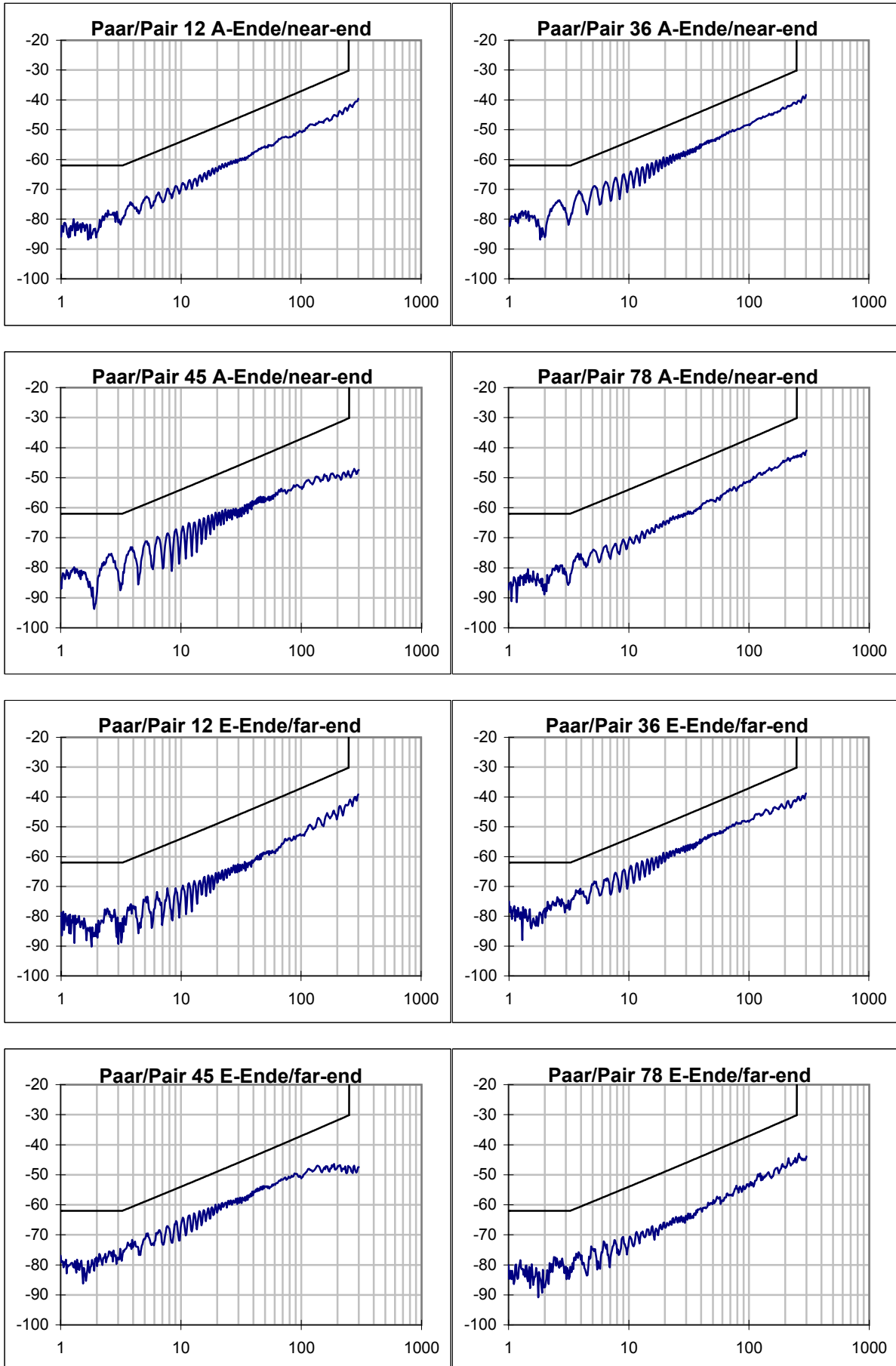
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	9,71	16,81	13,96	8,13	10,46	16,72	
@ f / MHz	210,04	164,82	210,04	12,84	242,23	1,69	
NEXT Grenzw. /dB	34,42	36,22	34,42	54,80	33,35	65,00	
NEXT @ 100 MHz	53,67	63,44	60,25	50,90	54,34	67,56	39,9
NEXT @ 250 MHz	43,37	51,34	53,15	50,33	47,22	57,84	33,1
min ELFEXT-Res. / dB	14,8	17,1	20,6	11,2	22,0	17,5	
@ f / MHz	1,0	1,0	1,0	1,1	169,6	1,7	
ELFEXT Grw. /dB	63,26	63,01	63,01	62,27	18,67	58,43	
ELFEXT @ 100 MHz	50,73	51,38	57,85	40,64	52,42	49,42	23,3
ELFEXT @ 250 MHz	37,91	39,44	42,98	31,43	48,66	36,12	15,3
min ACR-Reserve/ dB	12,9	17,9	14,4	8,5	13,5	16,6	
@ f / MHz	3,8	1,0	2,5	12,8	147,1	1,3	
ACR Grenzw. /dB	59,3	62,7	61,7	47,4	10,3	62,5	
ACR @ 100 MHz	34,36	44,13	40,94	31,19	34,63	48,20	18,2
ACR @ 250 MHz	11,72	19,69	21,50	18,26	15,15	26,50	-2,8

# NEXT / dB

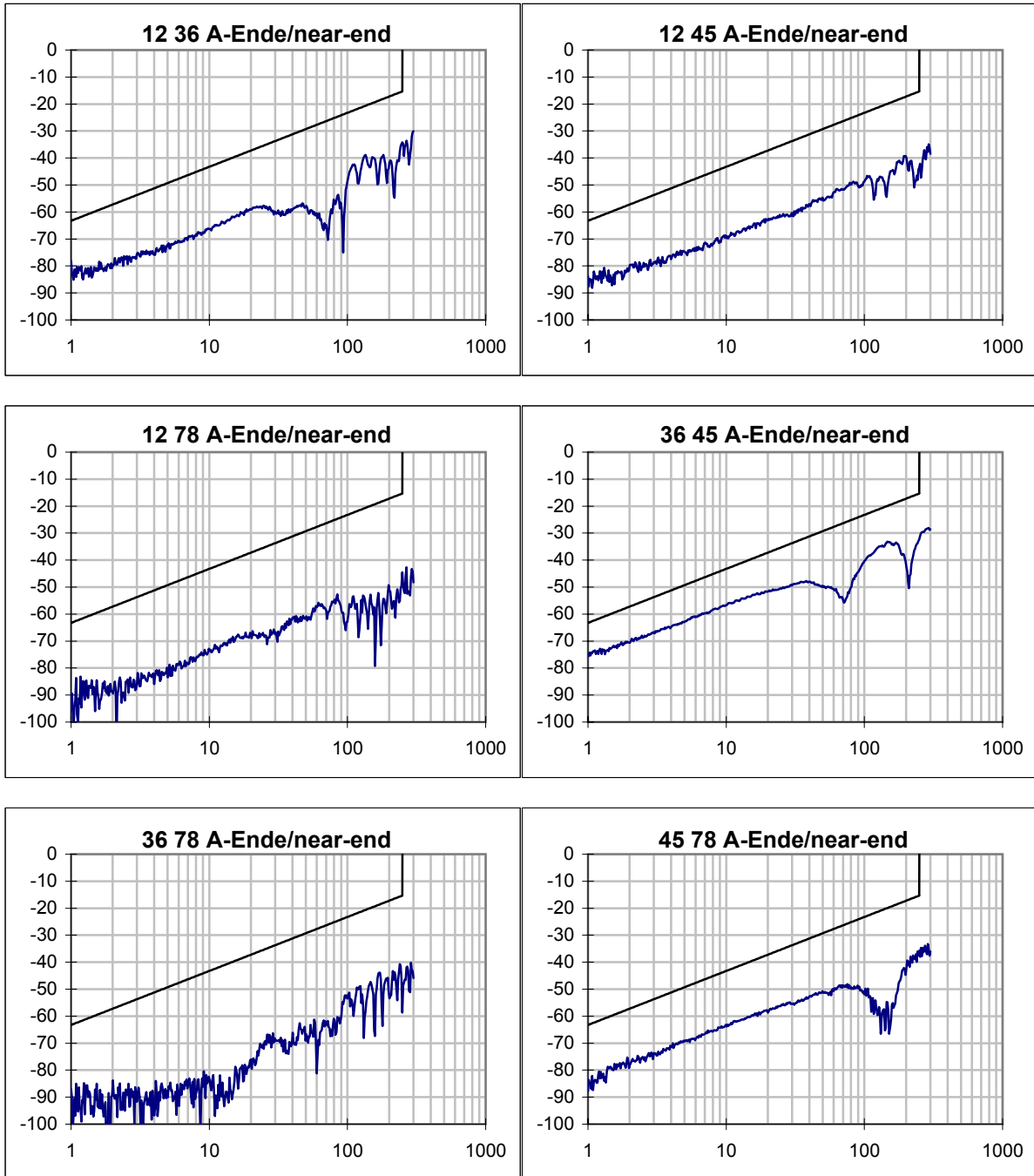


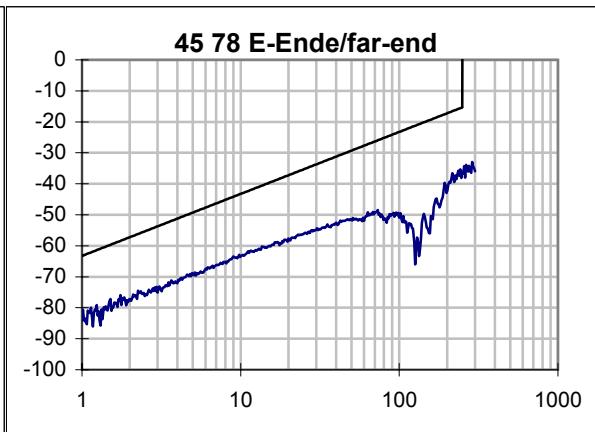
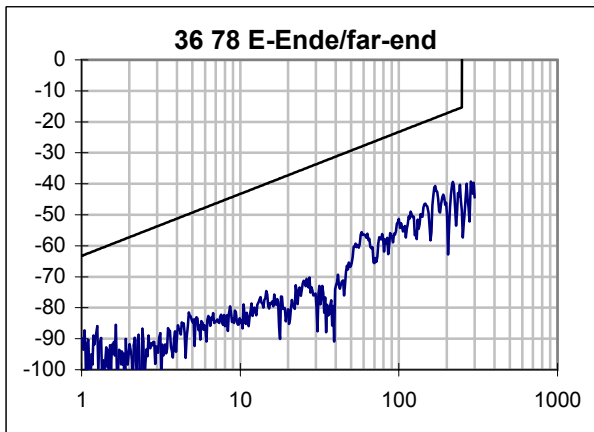
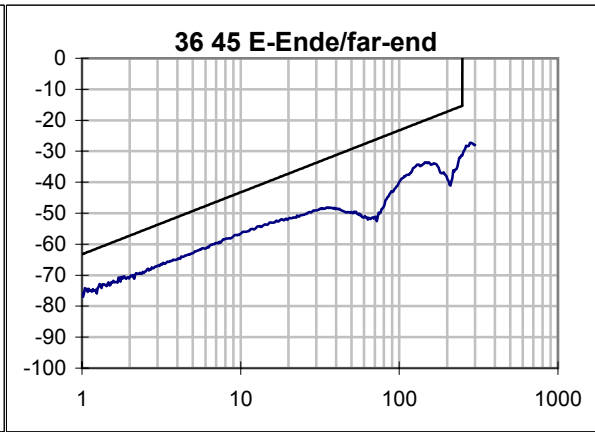
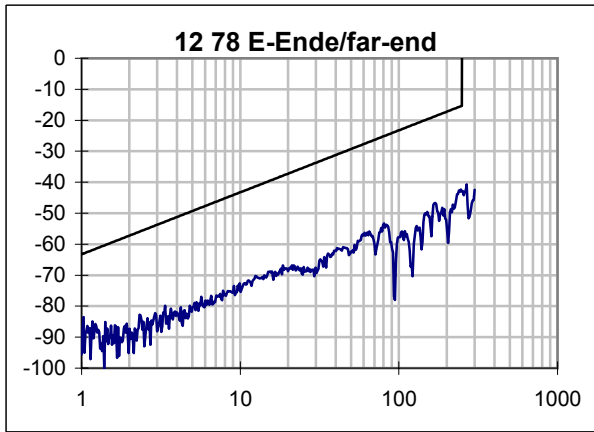
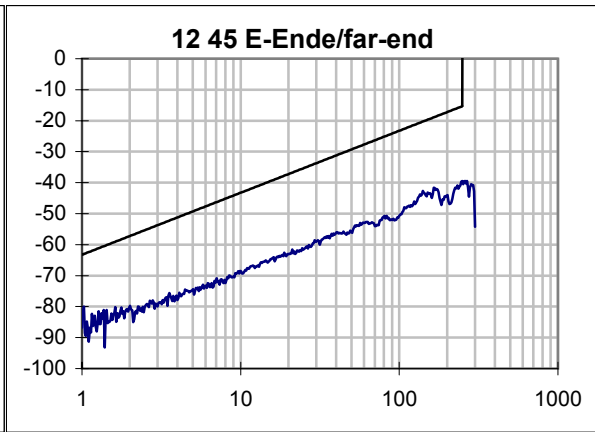
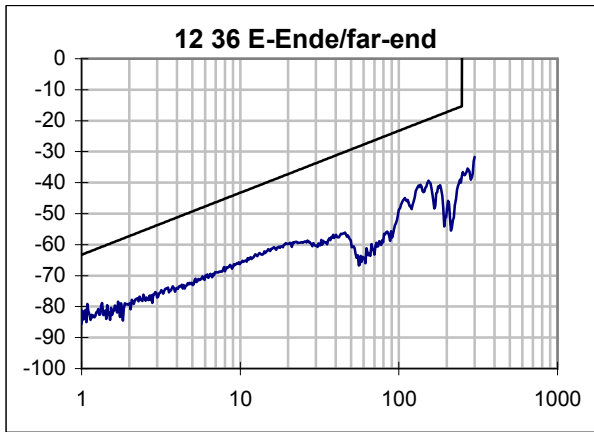


# PSNEXT / dB

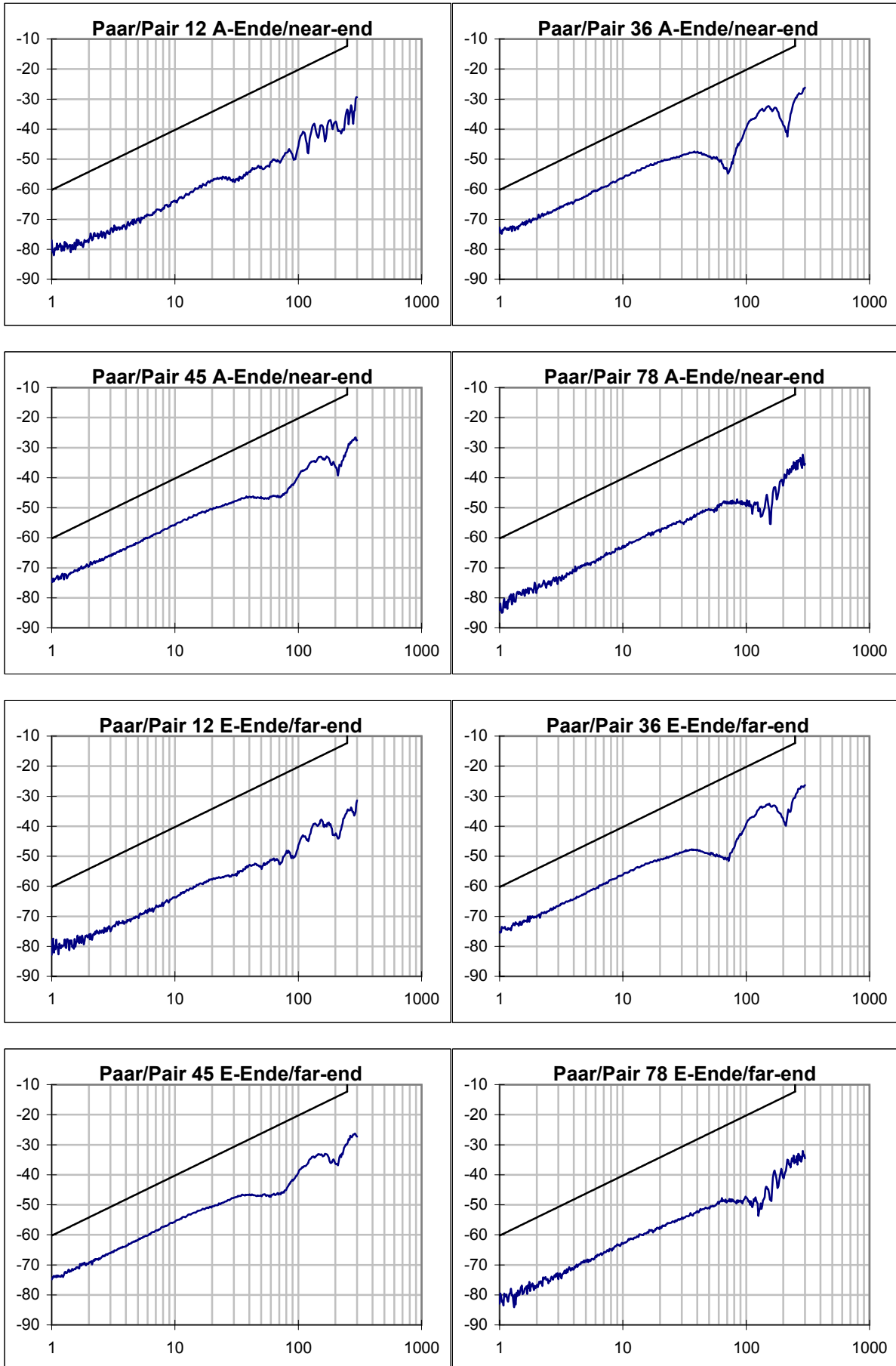


# ELFEXT / dB

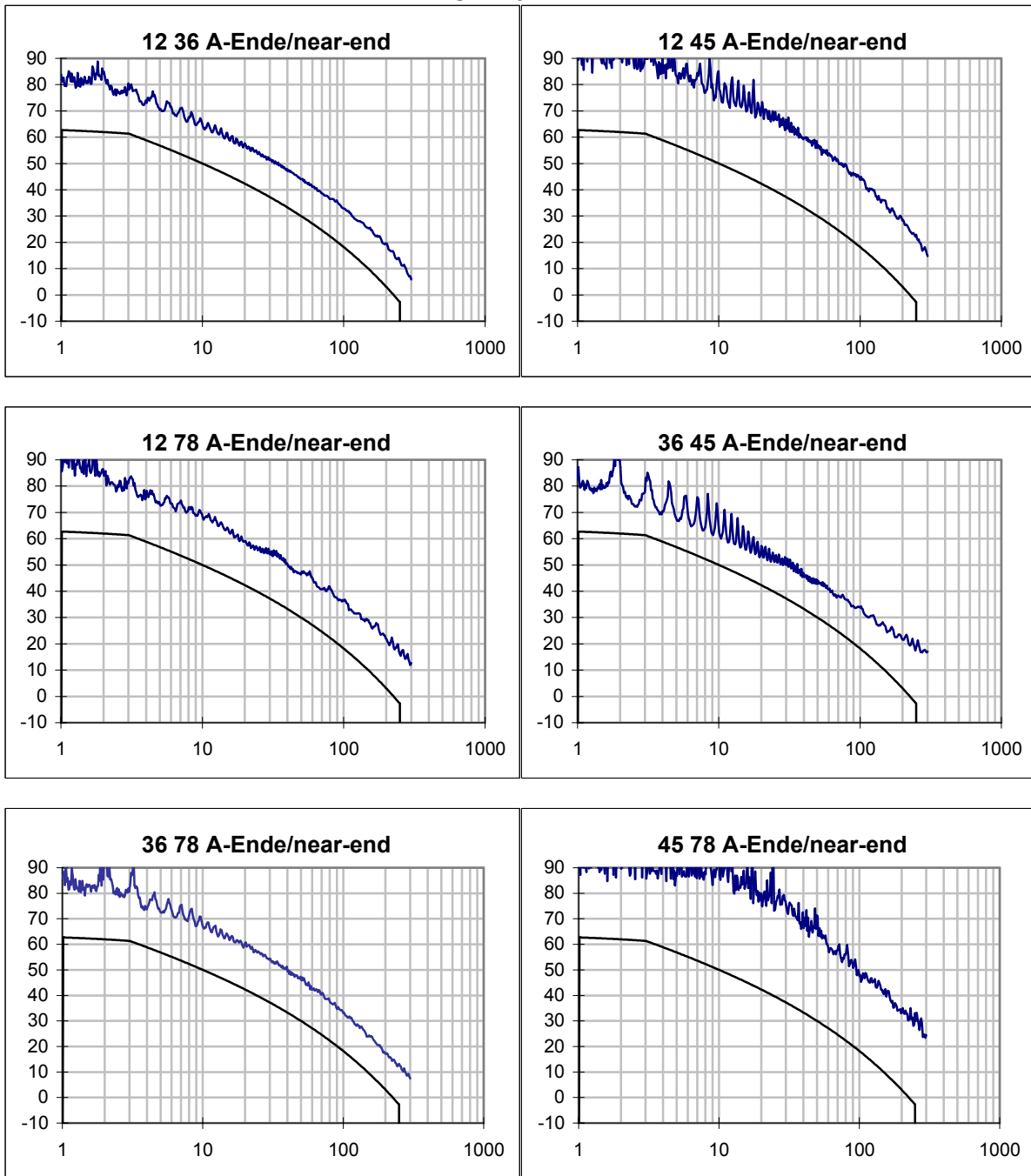




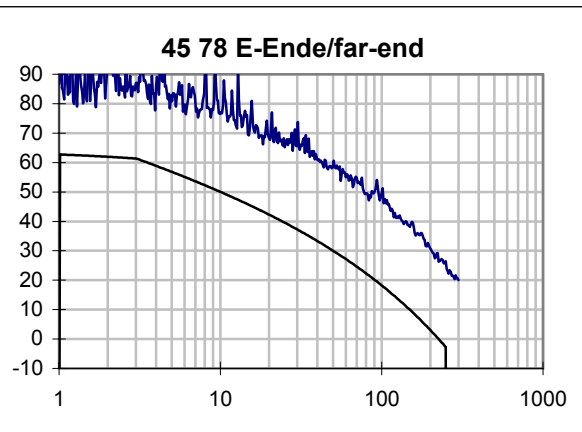
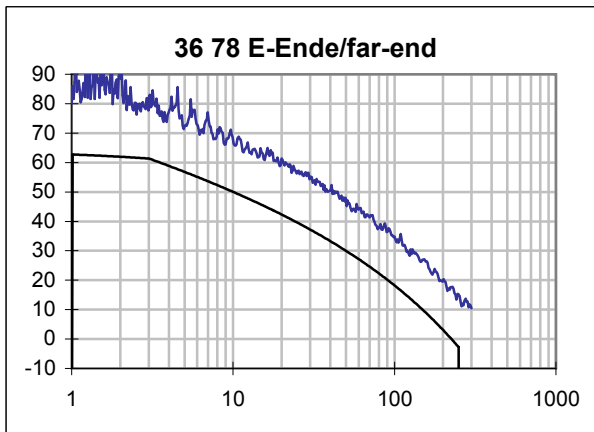
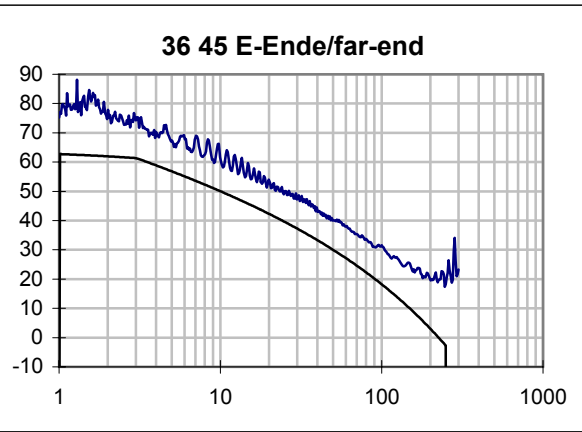
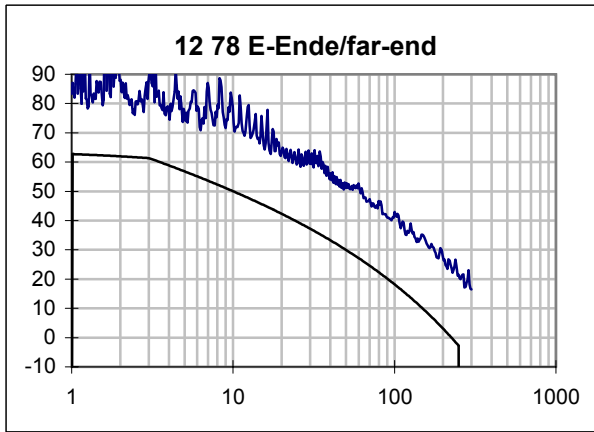
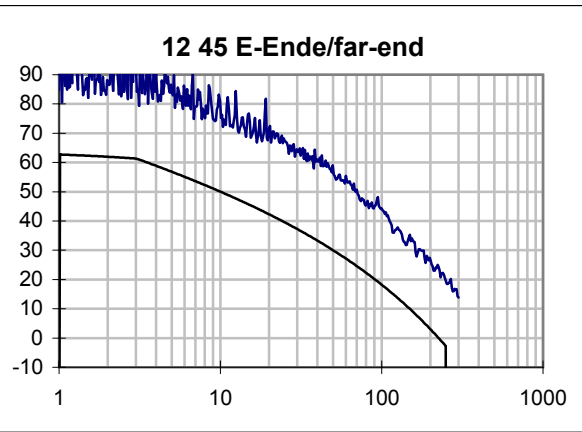
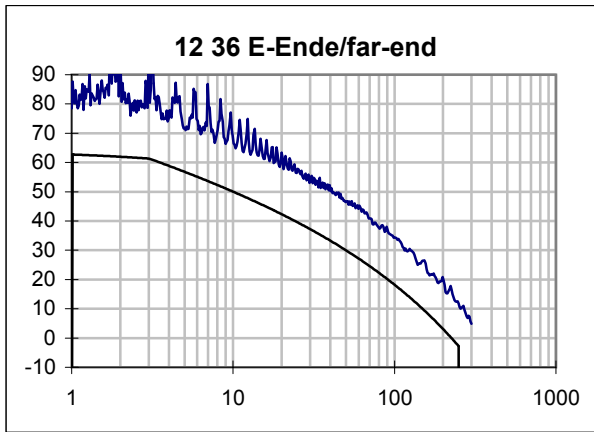
# PSELFEXT / dB



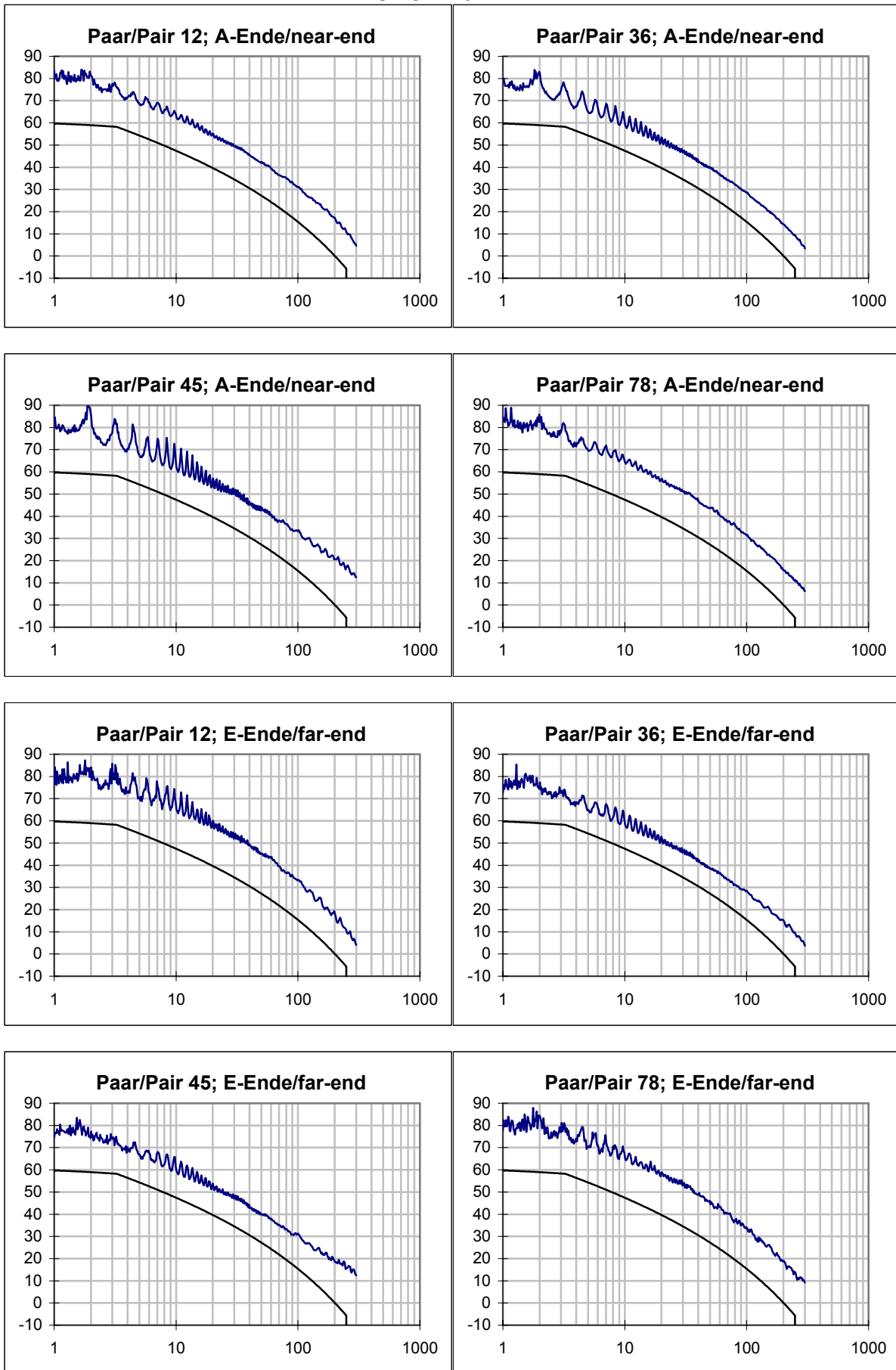
# ACR / dB



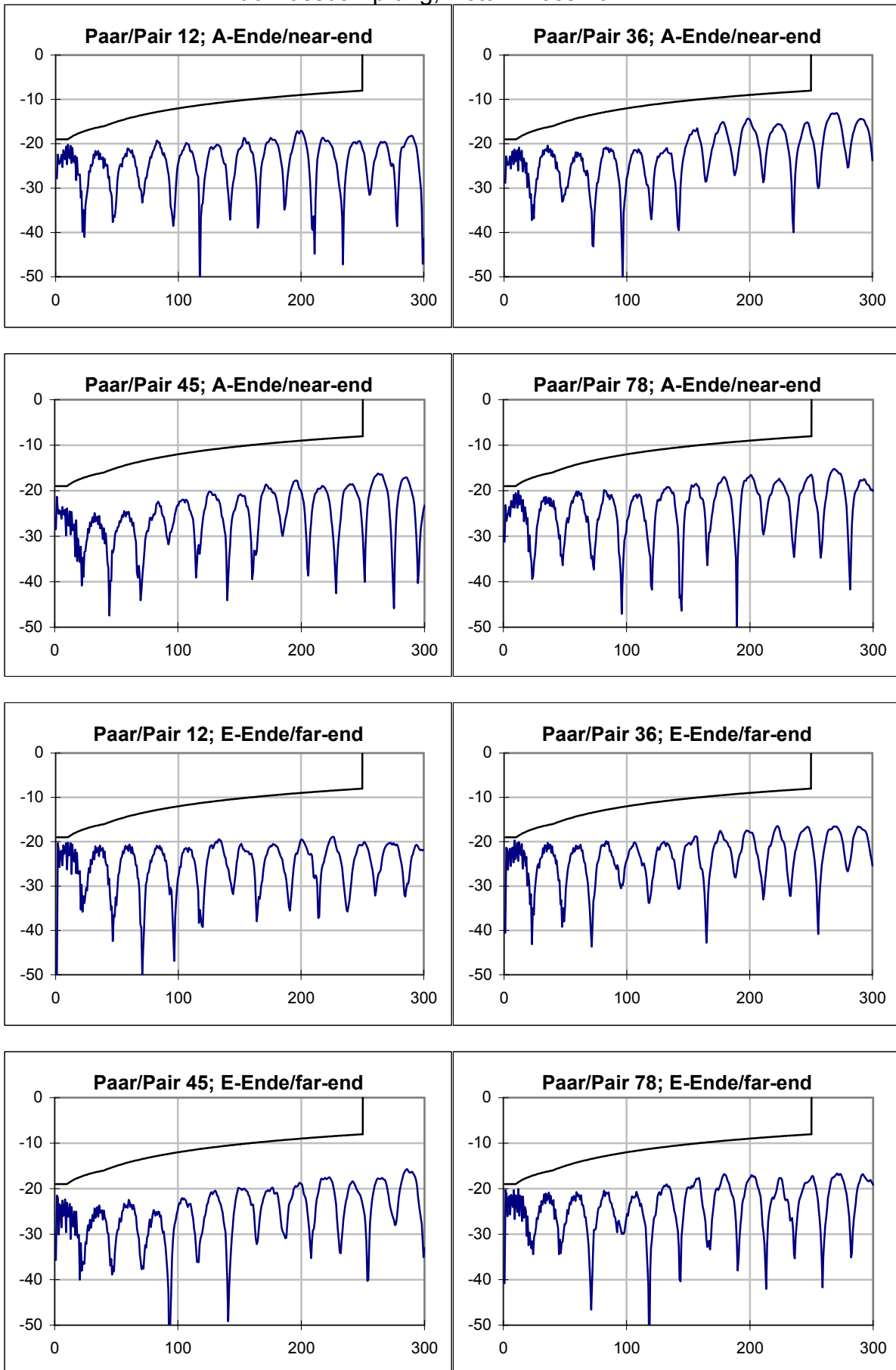




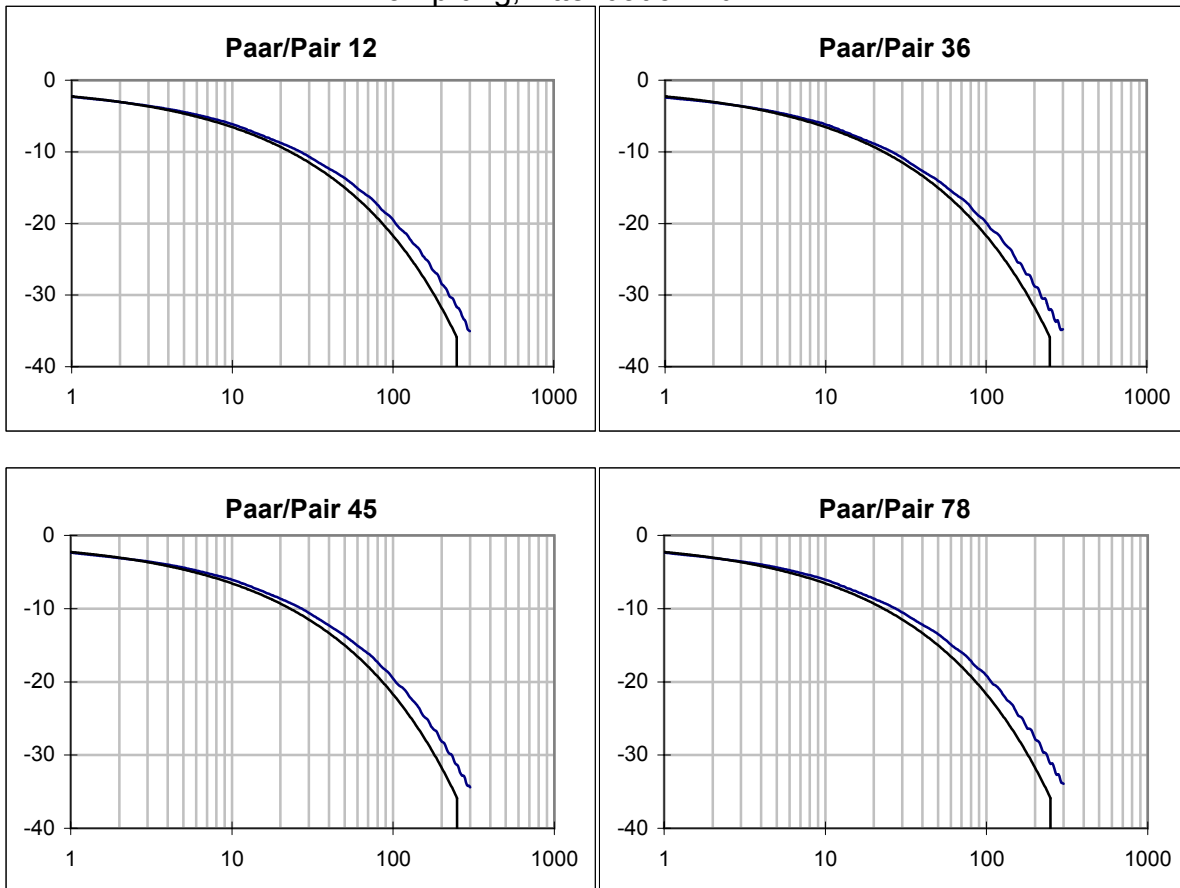
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

