

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
Komponente A-Ende: **R&M Anschlussmodul Cat.5 (Nr. 925370)**
Tertiärkabel: **90 m UC600 SS223/1 4P**
Komponente E-Ende: **R&M Anschlussmodul Cat.5 (Nr. 925370)**
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 negativ bei 300 MHz.*

Datum: 08.07.2002 Prüflabor: Draka Multimedia Cable
Prüfer: Dr. C. Pfeiler Wohlaue Str. 15
90475 Nürnberg

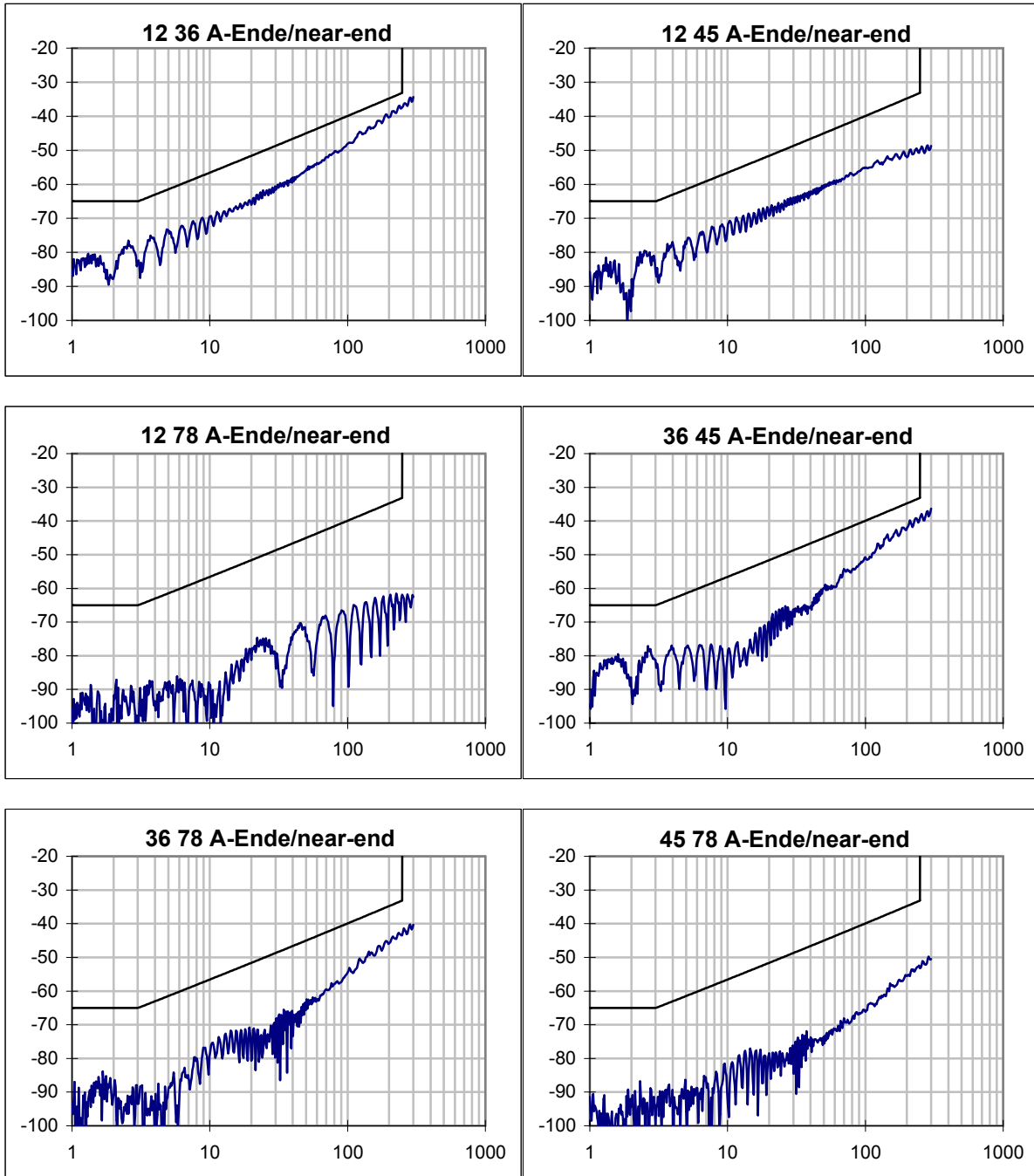
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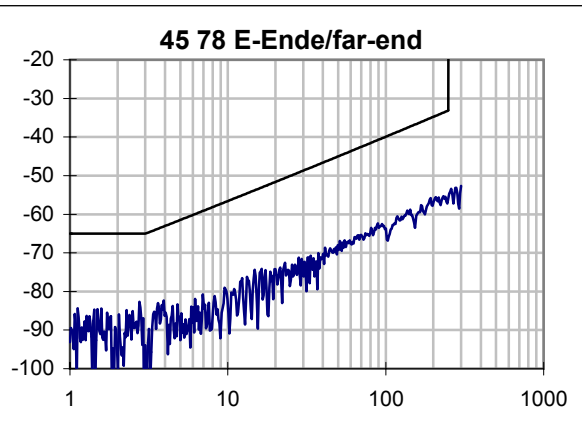
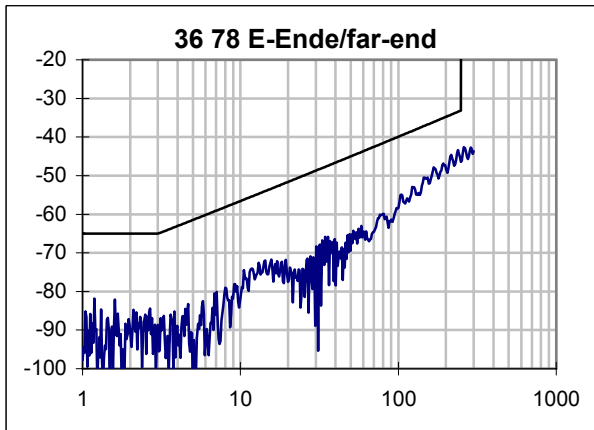
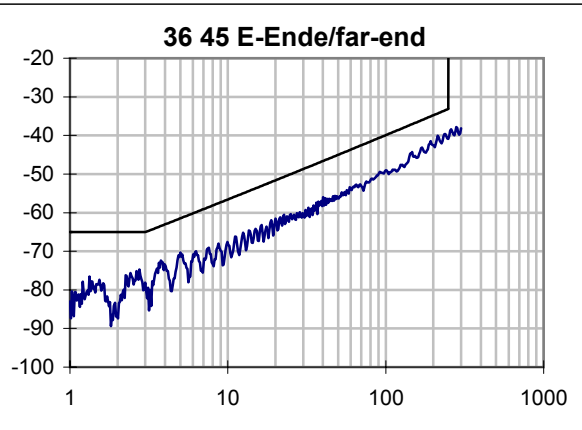
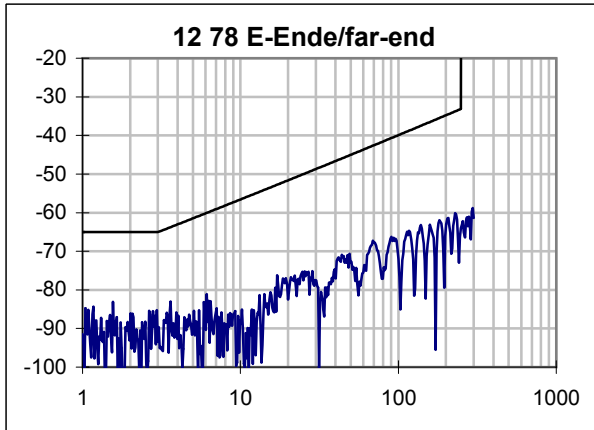
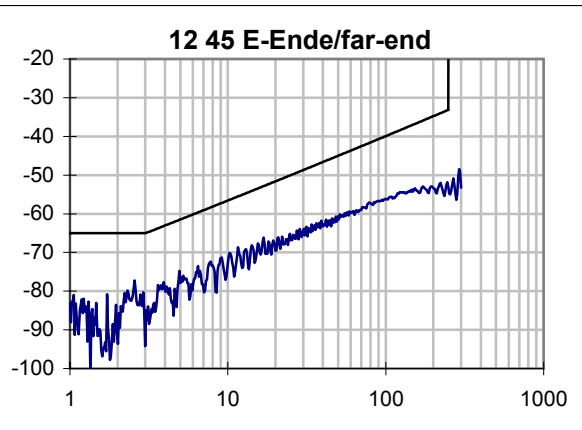
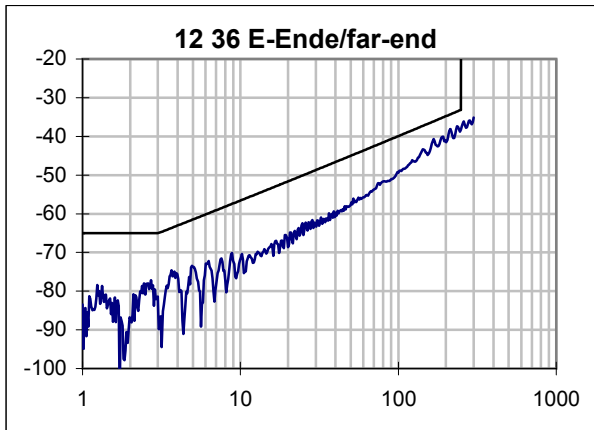
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	461,5	453,1	450,3	454,1		12,2	50
Dämpfung @ 100MHz/dB	20,10	19,57	19,39	19,77	21,7		
Dämpfung @ 250MHz/dB	33,17	32,47	31,99	32,67	35,9		
min PSNEXT-Res. / dB	6,12	3,65	7,83	11,69			
@ f / MHz	235,42	235,42	210,04	235,42			
PSNEXT Gr. / dB	30,61	30,61	31,48	30,61			
PSNEXT @ 100 MHz	48,36	45,96	48,33	57,15	37,1		
PSNEXT @ 250 MHz	38,15	35,98	40,50	45,89	30,2		
min PSELFEXT-Res. / dB	16,08	9,78	10,98	14,84			
@ f / MHz	190,09	1,43	1,49	31,98			
PSELFEXT Gr. / dB	14,68	57,16	56,79	30,16			
PSELFEXT @ 100 MHz	38,10	33,07	35,10	42,30	20,3		
PSELFEXT @ 250 MHz	33,67	27,43	31,24	30,96	12,3		
min PSACR-Reserve / dB	9,3	7,0	10,4	15,7			
@ f / MHz	210,0	210,0	3,8	213,1			
PSACR Grenz. / dB	-1,1	-1,1	56,9	-1,5			
PSACR @ 100 MHz	28,26	26,13	28,67	37,58	15,4		
PSACR @ 250 MHz	4,98	3,09	8,00	13,45	-5,8		
min RL-Reserve / dB	4,5	2,5	5,8	4,1			
@ f / MHz	37,6	36,1	177,4	36,9			
RL Grenzwert / dB	16,1	16,2	9,5	16,2			

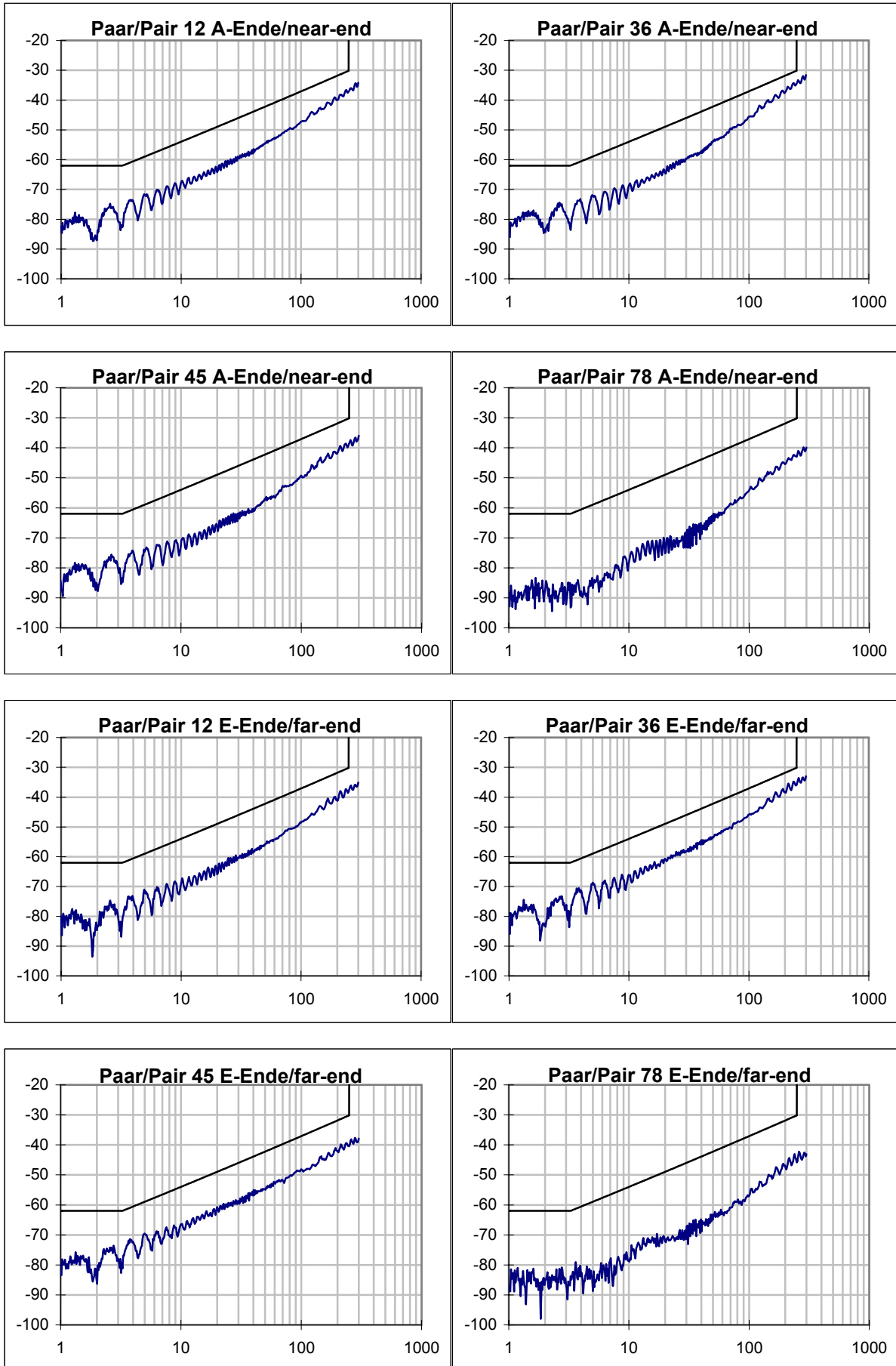
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	3,41	12,29	18,07	5,40	9,14	17,69	
@ f / MHz	235,42	2,56	1,56	210,04	235,42	2,75	
NEXT Grenzw. /dB	33,56	65,00	65,00	34,42	33,56	65,00	
NEXT @ 100 MHz	49,19	56,16	69,49	49,25	58,52	63,89	39,9
NEXT @ 250 MHz	38,31	53,04	64,05	40,88	46,41	55,93	33,1
min ELFEXT-Res. / dB	13,2	19,2	23,7	8,2	12,2	20,4	
@ f / MHz	190,1	1,1	1,1	1,6	32,0	1,4	
ELFEXT Grw. /dB	17,68	62,76	62,27	59,29	33,16	60,28	
ELFEXT @ 100 MHz	38,33	51,12	77,45	35,31	42,87	51,42	23,3
ELFEXT @ 250 MHz	34,45	41,68	55,71	31,77	31,07	47,64	15,3
min ACR-Reserve/ dB	6,5	12,2	18,0	8,9	13,2	17,8	
@ f / MHz	213,1	2,6	1,6	5,0	192,8	2,8	
ACR Grenzw. /dB	1,5	61,6	62,3	56,8	4,0	61,5	
ACR @ 100 MHz	29,09	36,06	49,39	29,68	38,95	44,51	18,2
ACR @ 250 MHz	5,14	19,87	30,88	8,42	13,95	23,95	-2,8

NEXT / dB

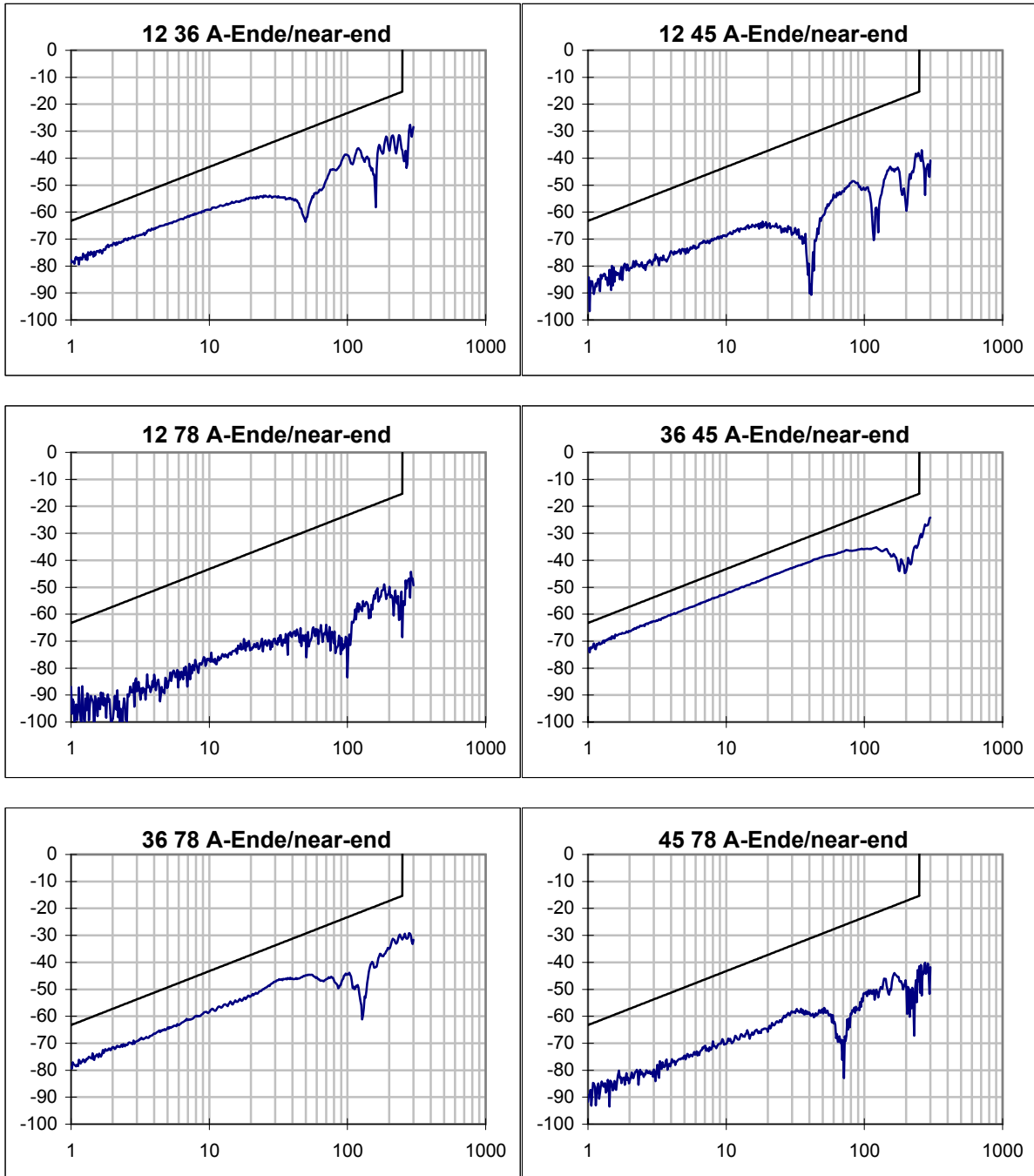


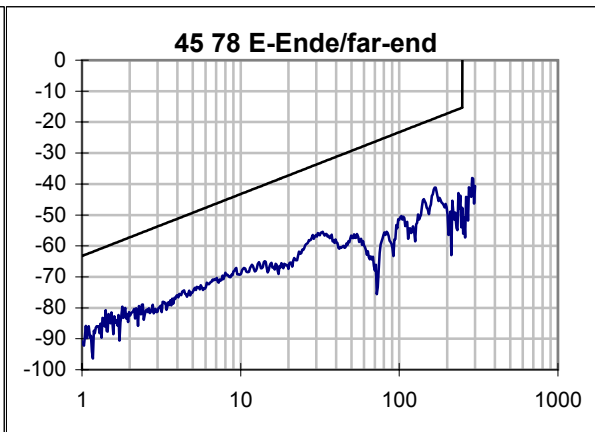
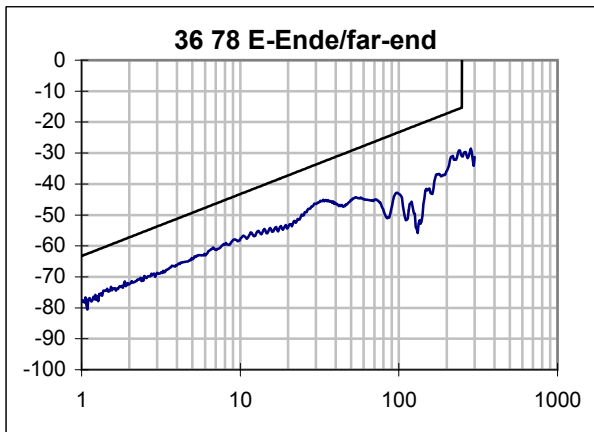
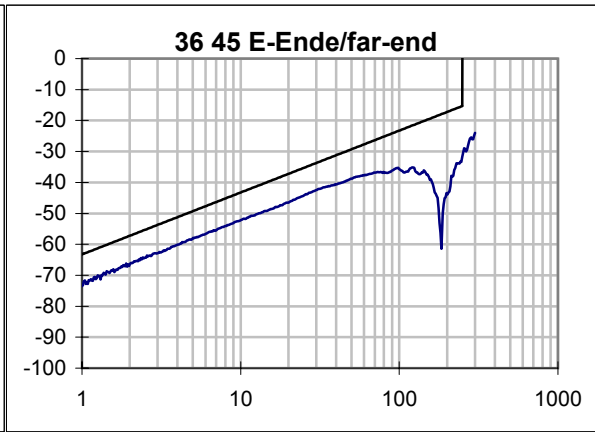
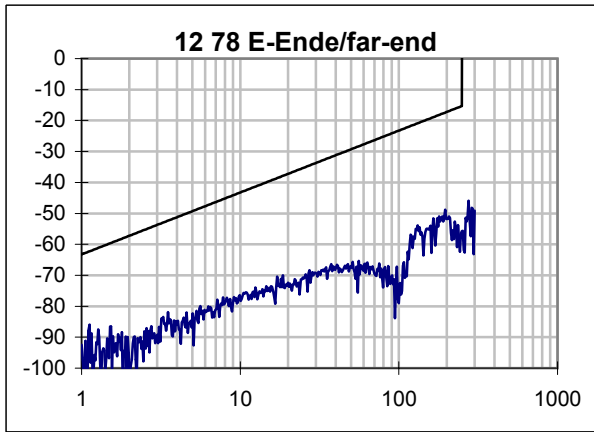
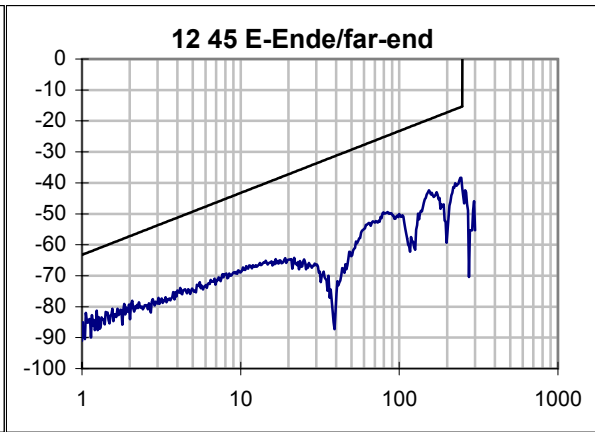
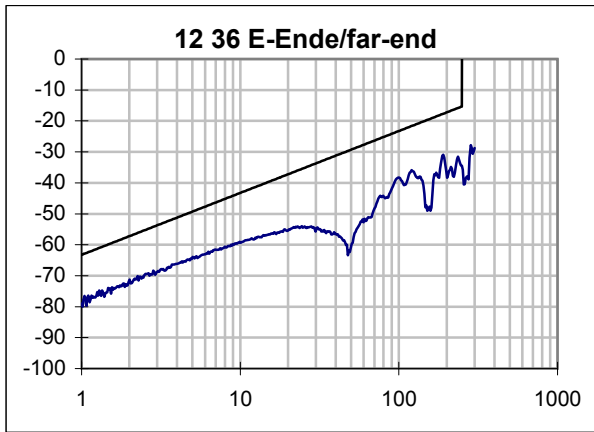


PSNEXT / dB

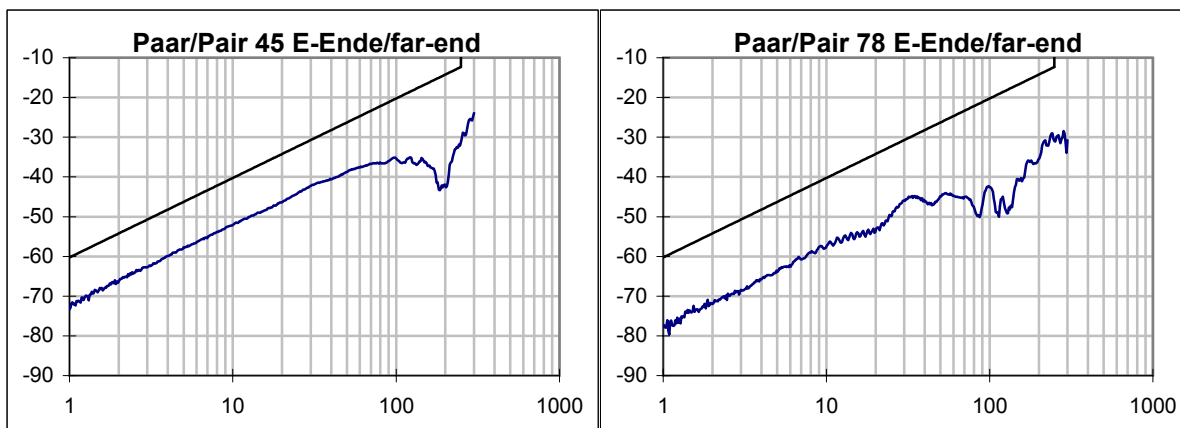
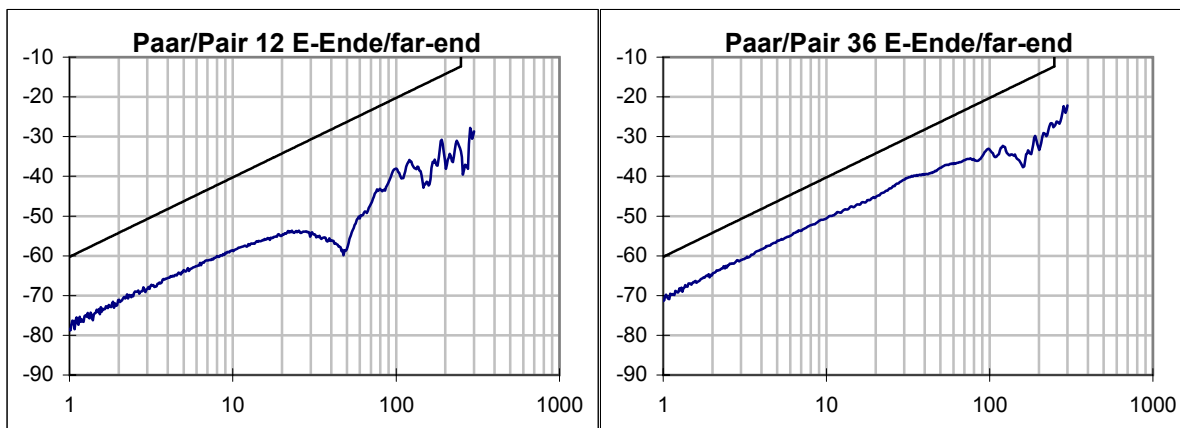
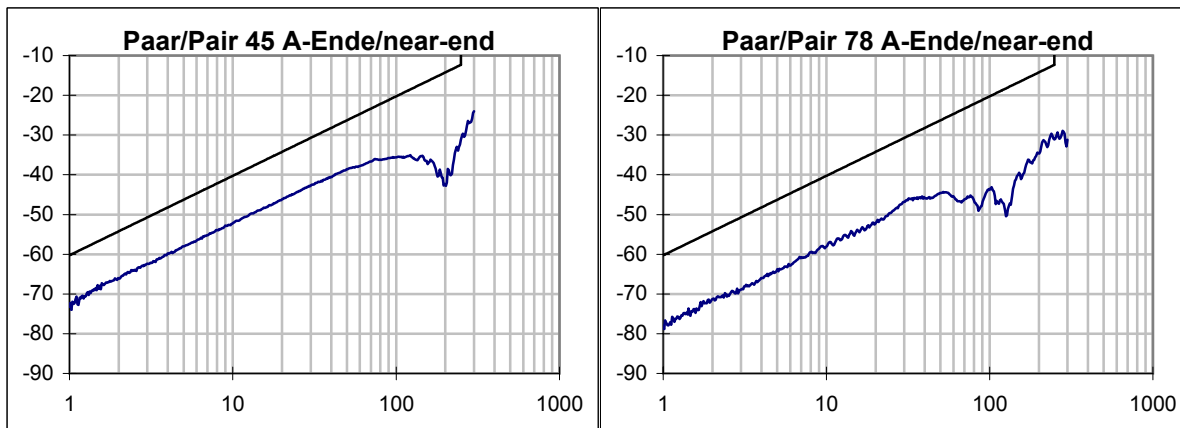
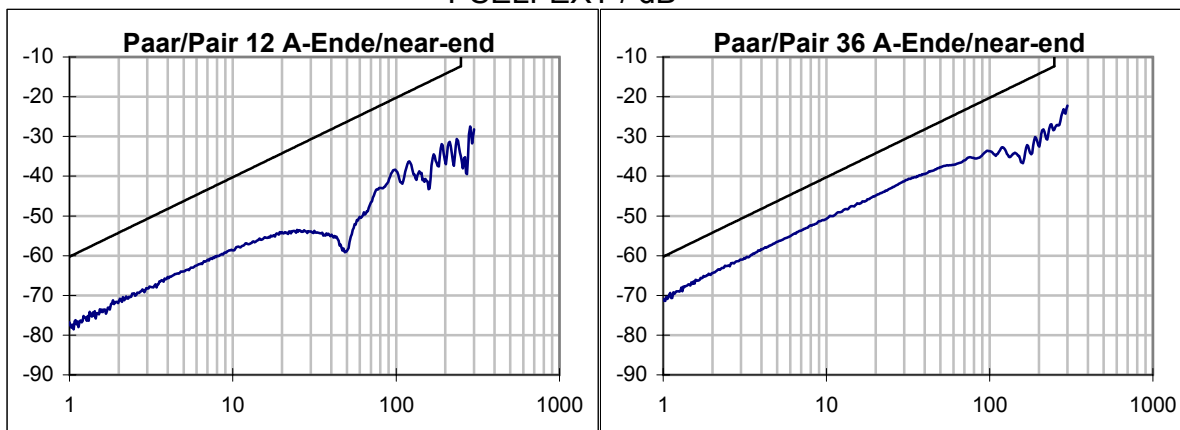


ELFEXT / dB

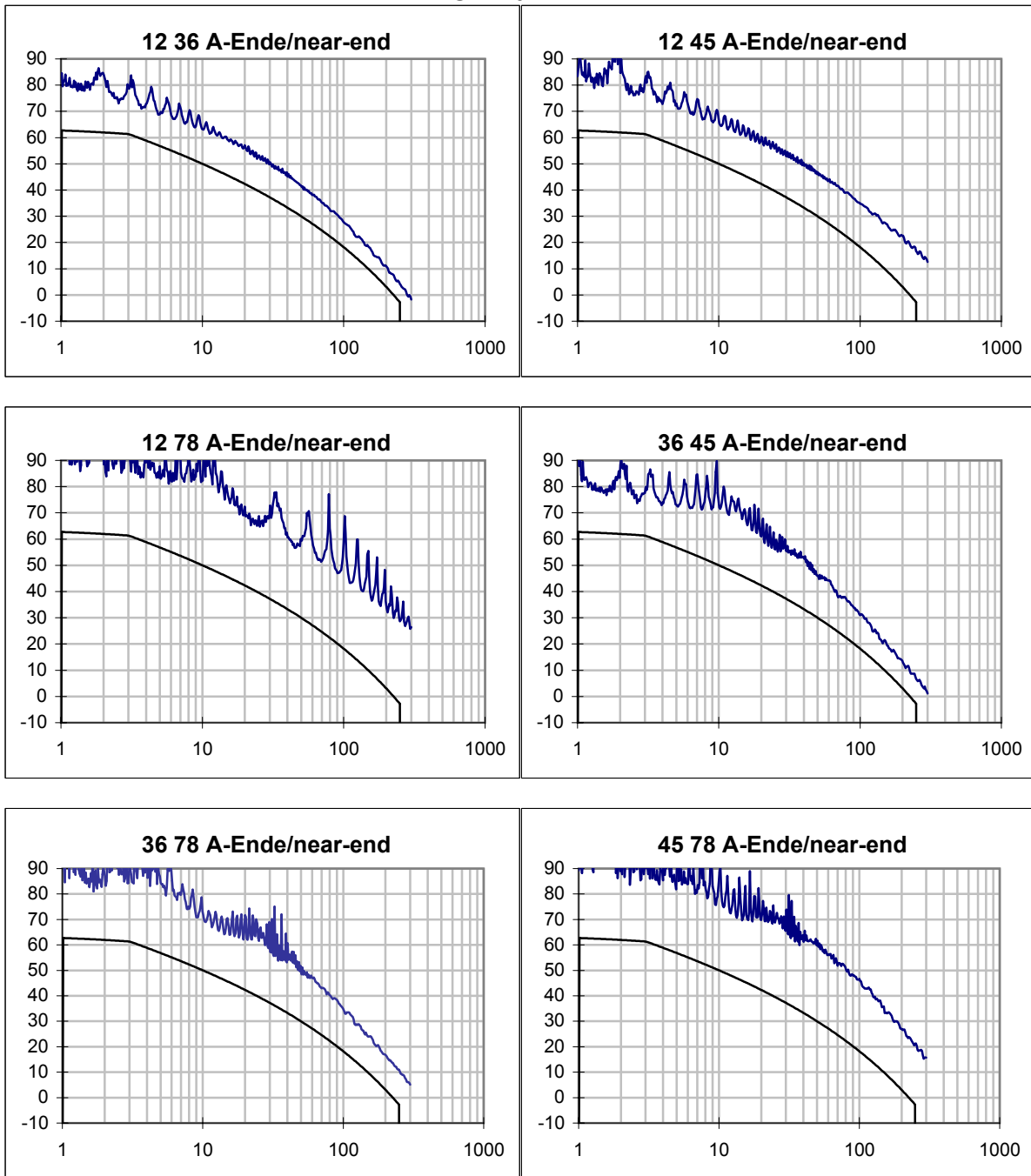


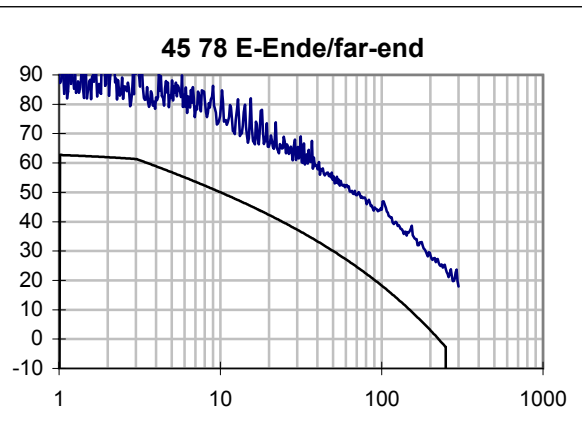
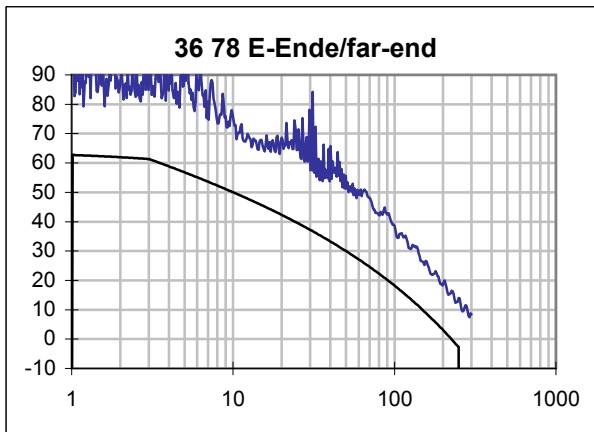
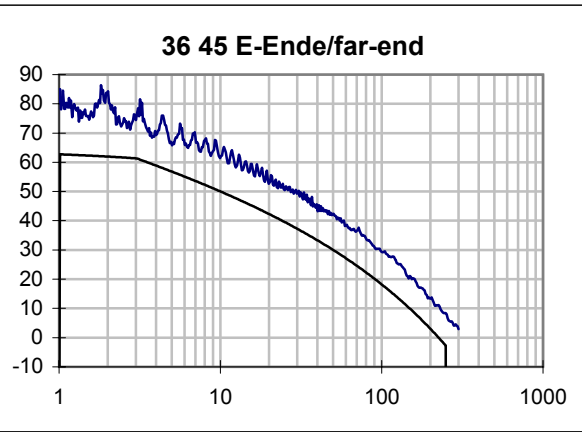
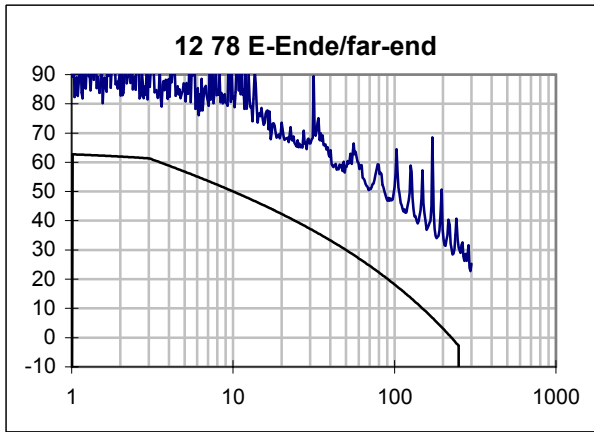
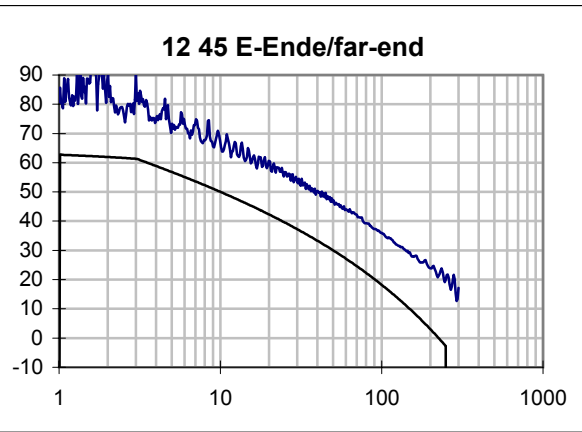
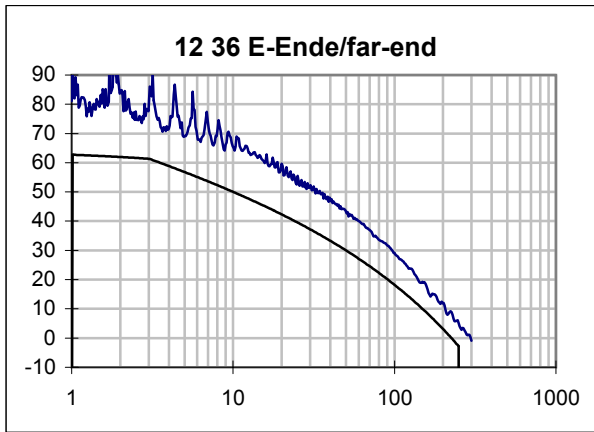


PSELFEXT / dB

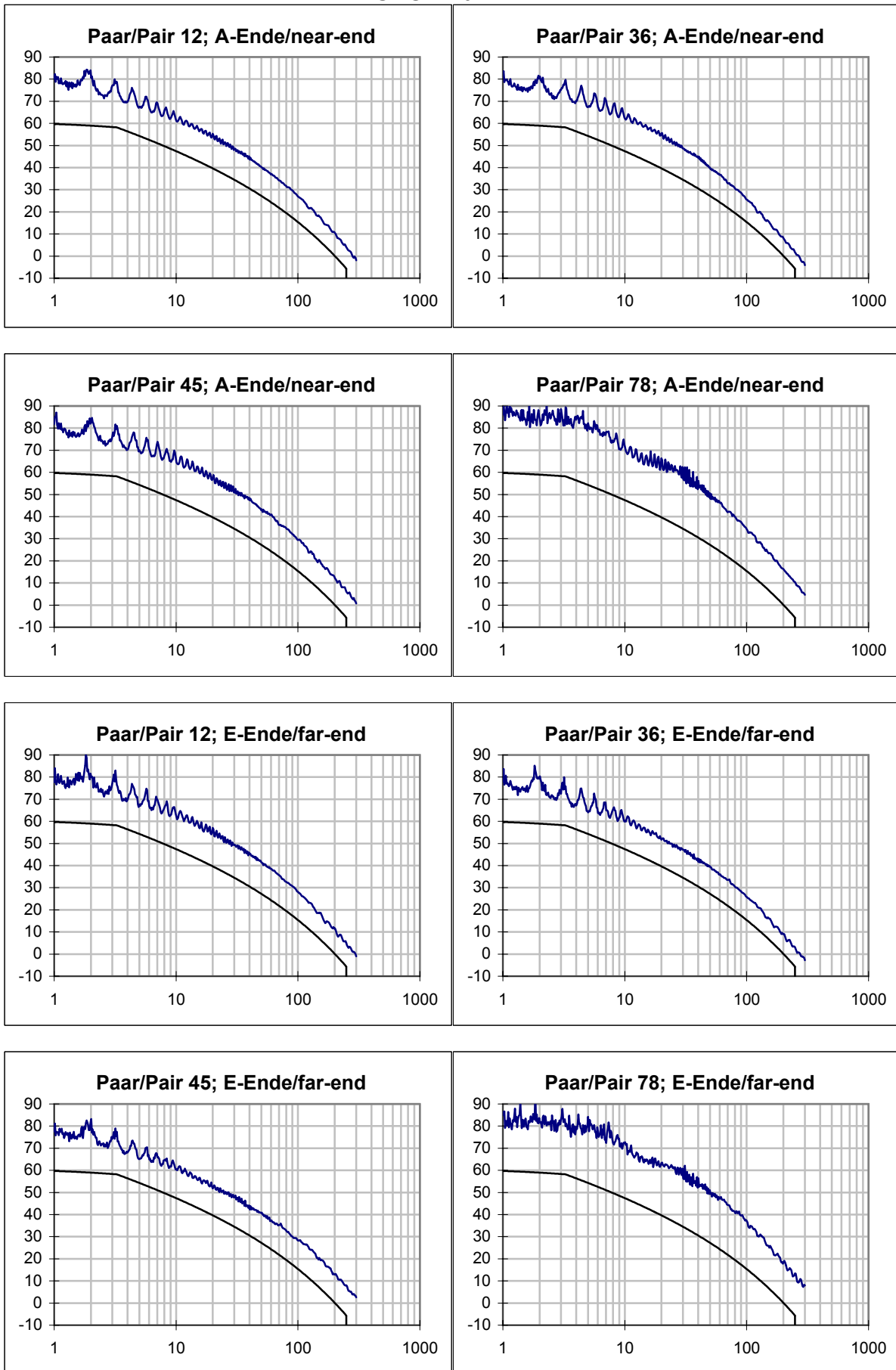


ACR / dB

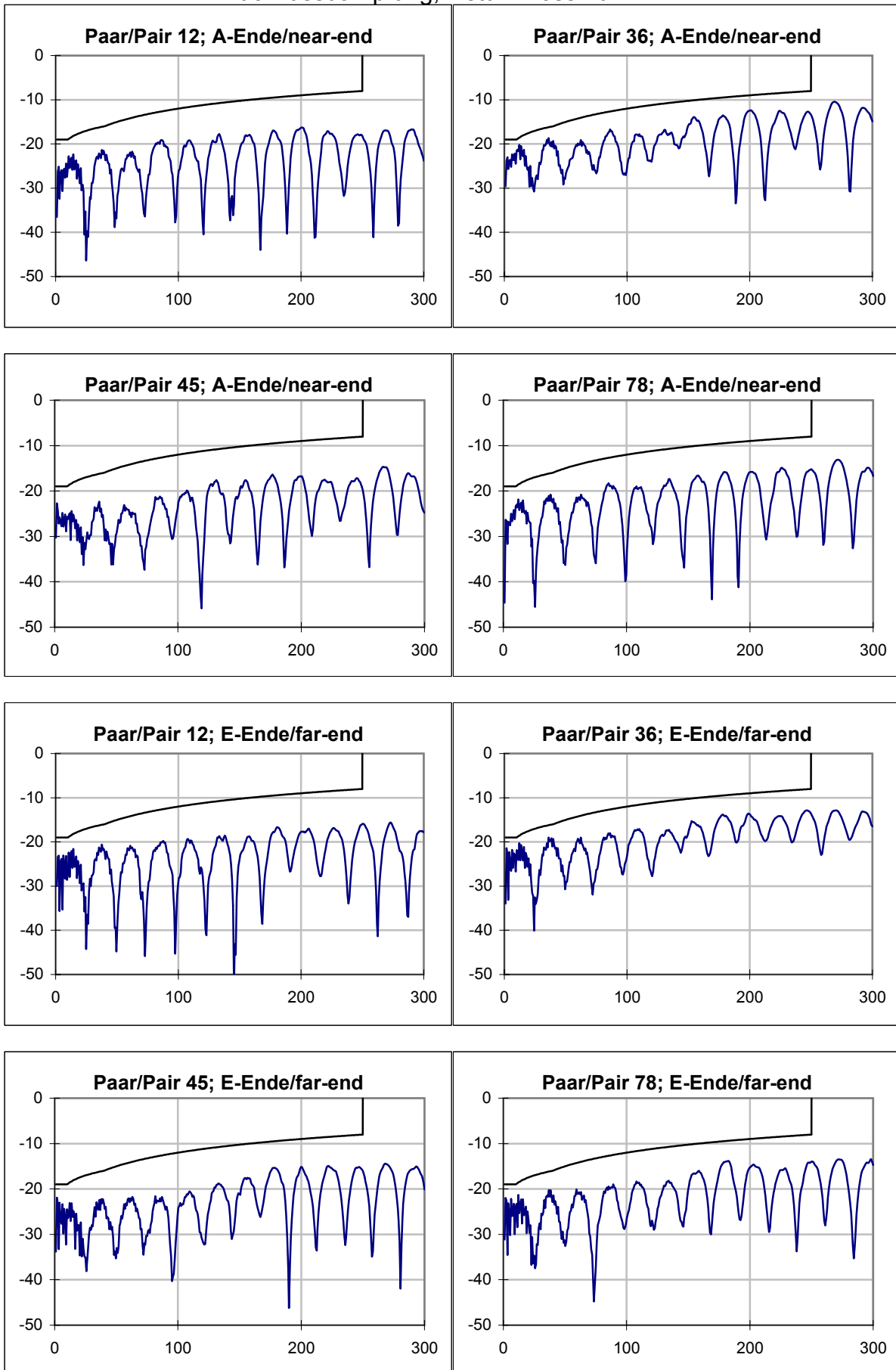




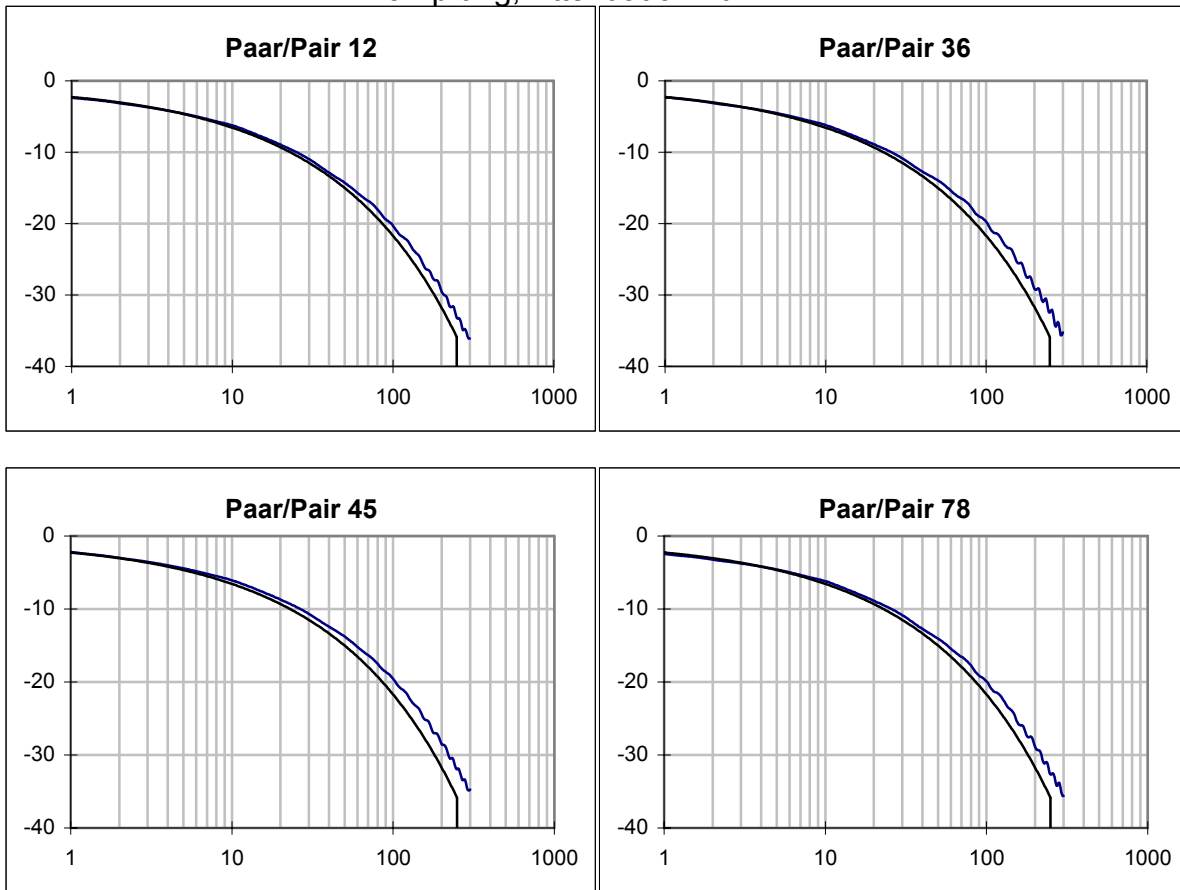
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

