

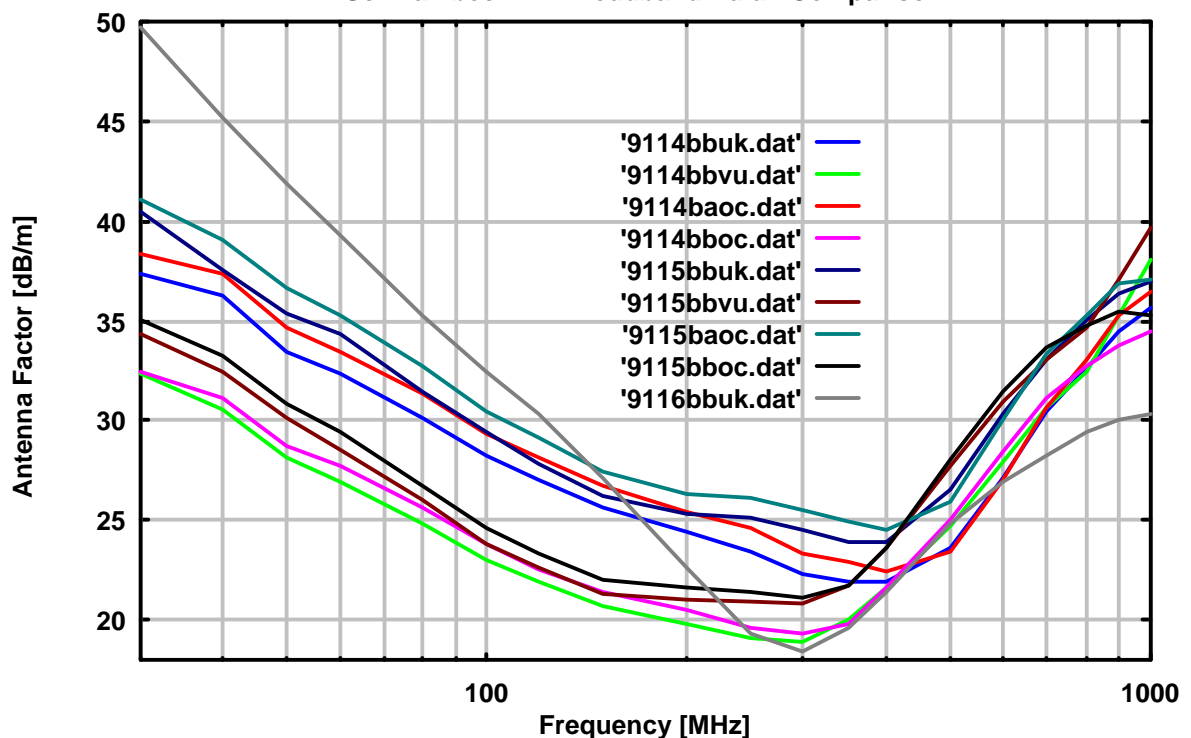
SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

Vergleichstabelle 4:1 Breitband Baluns mit versch. Elementen
Comparison Chart of 4:1 Broadband Baluns with different elements

BALUN ELEMENT Φ	UBAA 9114				UBAA 9115				UBA 9116
	UBAA 9114 BBUK 0.13 m	UBAA 9114 BBVU 0.185 m	UBAA 9114 BAOC 0.15 m	UBAA 9114 BBOC 0.23 m	UBAA 9115 BBUK 0.13 m	UBAA 9115 BBVU 0.185 m	UBAA 9115 BAOC 0.15 m	UBAA 9115 BBOC 0.23 m	UBA 9116 BBUK 0.13 m
Element length total	0.32 m	0.44 m	0.28 m	0.39 m	0.32 m	0.44 m	0.28 m	0.39 m	0.32 m
30 MHz	37.4	32.3	38.4	32.4	40.5	34.4	41.1	35.1	49.7
40 MHz	36.2	30.5	37.4	31.1	37.6	32.4	39.1	33.2	45.2
50 MHz	33.5	28.1	34.7	28.7	35.4	30.1	36.7	30.8	41.9
60 MHz	32.3	26.9	33.5	27.7	34.3	28.5	35.2	29.4	39.3
80 MHz	30.1	24.8	31.3	25.6	31.4	26.0	32.7	26.7	35.2
100 MHz	28.2	23.0	29.3	23.8	29.4	23.8	30.4	24.6	32.4
120 MHz	27.0	21.9	28.1	22.5	27.8	22.6	29.1	23.3	30.3
150 MHz	25.6	20.7	26.7	21.4	26.2	21.3	27.4	22.0	27.1
200 MHz	24.4	19.8	25.4	20.5	25.3	21.0	26.3	21.6	22.6
250 MHz	23.4	19.1	24.6	19.6	25.1	20.9	26.1	21.4	19.3
300 MHz	22.3	18.9	23.3	19.3	24.5	20.8	25.5	21.1	18.4
350 MHz	21.9	20.0	22.9	19.8	23.9	21.7	24.9	21.7	19.6
400 MHz	21.9	21.6	22.4	21.6	23.9	23.6	24.5	23.6	21.4
500 MHz	23.6	24.7	23.4	25.0	26.5	27.7	25.9	28.0	24.8
600 MHz	27.1	27.9	27.0	28.4	30.3	30.9	30.0	31.4	26.9
700 MHz	30.4	30.6	30.6	31.1	33.0	33.1	33.3	33.7	28.2
800 MHz	32.6	32.4	33.1	32.7	35.1	34.7	35.3	34.8	29.4
900 MHz	34.5	35.3	35.2	33.8	36.4	37.1	36.9	35.5	30.0
1000 MHz	35.7	38.1	36.5	34.5	37.0	39.7	37.1	35.3	30.3
Frequency	AF dB/m	AF dB/m	AF dB/m	AF dB/m	AF dB/m	AF dB/m	AF dB/m	AF dB/m	AF dB/m
A	B	C	D	E	F	G	H	J	K
4:1 Balun, low loss					4:1 Balun, high μ, excellent symmetry			1:1 Balun	

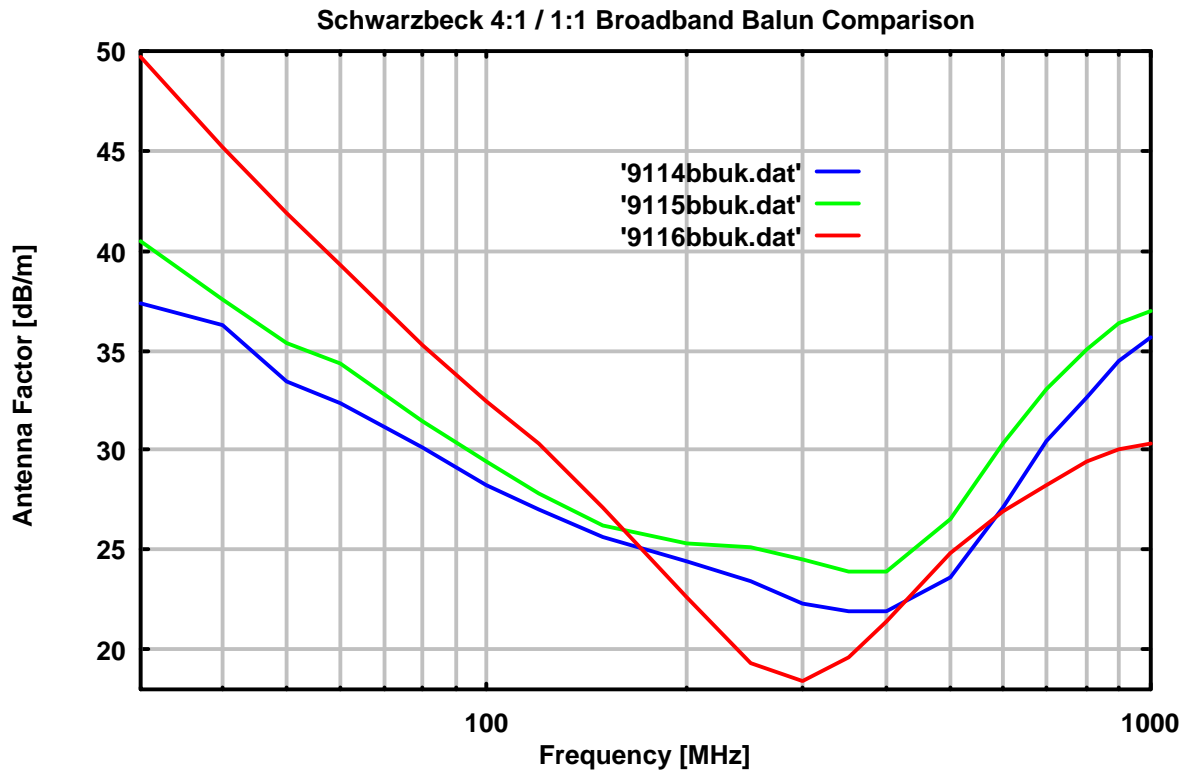
Schwarzbeck 4:1 Broadband Balun Comparison



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Vergleichstabelle 4:1 Breitband Baluns Comparison Chart of 4:1 Broadband Baluns



Einfluß von 1:1 Balun und verschiedenen 4:1 Baluns auf den Antennenfaktor bei identischen kleinen Bikonuselementen BBUK.

Influence of a 1:1 Balun and different 4:1 Baluns on the antenna factor using identical small biconical elements BBUK.

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Vergleich Bikonuselemente - Offene Konuselemente *Comparison of Bicones and Open Cones*

