



$\sqrt{50 \times (200/2)} = 70.71 \Omega$
 $\sqrt{50 \times (228/2)} = 75.5 \Omega$
 $\sqrt{50 \times (273/2)} = 82 \Omega$ $82/75=1.093$
 $(300/432)/4 \times 0.78 = 0.135m$
 $0.135 \times 3 = 0.406m$ 5CFBのみの場合は40cmで50Ωにマッチさせるか
 5CFB0.135mのQマッチを入れて50Ωとして任意長の50Ωを使うか

短縮率	空中線長	取り替え線x部分長	取り替え線全長
100% = $(300/432) \times 1 = 69.4$	$694.4/2 = 347$	$(347-300-15)/2 = 16$	$300 + (16 \times 4) + (15 \times 3.14) = 411.12$
99% = $(300/432) \times 0.99 = 68.75$	$687.5/2 = 344$	$(344-300-15)/2 = 14.5$	$300 + (14.5 \times 4) + (15 \times 3.14) = 405.12$
98% = $(300/432) \times 0.98 = 68.05$	$680.5/2 = 340$	$(340-300-15)/2 = 12.5$	$300 + (12.5 \times 4) + (15 \times 3.14) = 397.12$
97% = $(300/432) \times 0.97 = 67.36$	$673.6/2 = 337$	$(337-300-15)/2 = 11$	$300 + (11 \times 4) + (15 \times 3.14) = 391.12$
95% = $(300/432) \times 0.95 = 65.97$	$659.7/2 = 330$	$(330-300-15)/2 = 7.5$	$300 + (7.5 \times 4) + (15 \times 3.14) = 377.12$
93% = $(300/432) \times 0.93 = 64.58$	$645.8/2 = 323$	$(323-300-15)/2 = 4$	$300 + (4 \times 4) + (15 \times 3.14) = 363.12$

F=140でSWR最小 C F=430以下
 F=140でSWR最小 C F=435 (現用)

