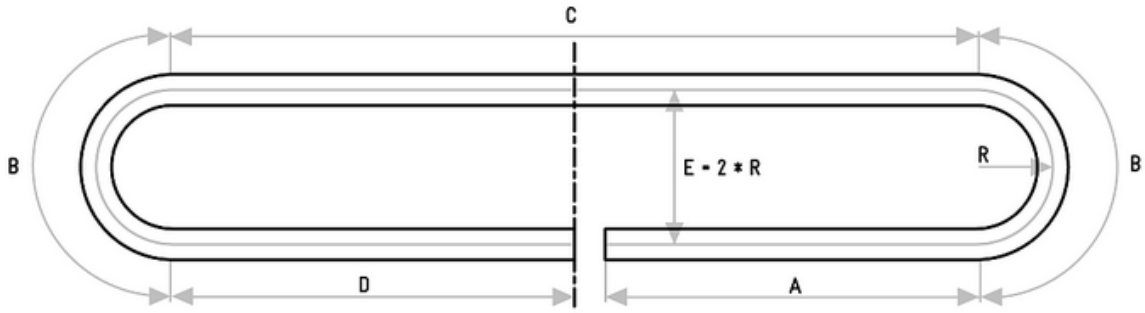
**Yagi za 868MHz**

# Folded Dipole Calculator

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|---|---|---|---|
| Frequency [MHz] | 868 | Length units | mm / inch |
| Length A | 56.3 | Length Gap | 3 |
| Length B | 29.6 | Radius R | 9.4 |
| Length C | 118.4 | Rod Diameter | 1.2 |
| Length D | 59.2 | Total Length | 296.1 |

CALCULATE

https://www.changpuak.ch/electronics/yagi_uda_antenna.php
Javascript Version 12.01.2014, based on Rothammel / DL6WU

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Frequency : 868 MHz
Wavelength : 346 mm
Rod Diameter : 4 mm
Boom Diameter : 15 mm
Boom Length : 882 mm
d/lambda : 0.012 ( min.: 0.002 , max.: 0.01 )
D/lambda : 0.043 ( min.: 0.01 , max.: 0.05 )
Elements : 11
Gain : 12.30 dBd (approx.)

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Reflector Length : 177 mm
Reflector Position : 0 mm

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Dipole Position : 83 mm

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Director #1 Position : 109 mm , Length : 167 mm
Distance Dipole - Dir. #1 : 26 mm

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Director #2 Position : 171 mm , Length : 166 mm
Distance Dir. #1 - Dir. #2 : 62 mm

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Director #3 Position : 245 mm , Length : 164 mm
Distance Dir. #2 - Dir. #3 : 74 mm

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Director #4 Position : 332 mm , Length : 163 mm
Distance Dir. #3 - Dir. #4 : 86 mm

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Director #5 Position : 429 mm , Length : 162 mm
Distance Dir. #4 - Dir. #5 : 97 mm

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Director #6 Position : 532 mm , Length : 161 mm
Distance Dir. #5 - Dir. #6 : 104 mm

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Director #7 Position : 641 mm , Length : 160 mm
Distance Dir. #6 - Dir. #7 : 109 mm

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Director #8 Position : 755 mm , Length : 159 mm
Distance Dir. #7 - Dir. #8 : 114 mm

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Director #9 Position : 874 mm , Length : 158 mm
Distance Dir. #8 - Dir. #9 : 119 mm

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Directors / Parasitics are not isolated.
The length has been increased to compensate for that.