# W2IMU DUAL MODE HORN    JA6AHB    2015.02.04.
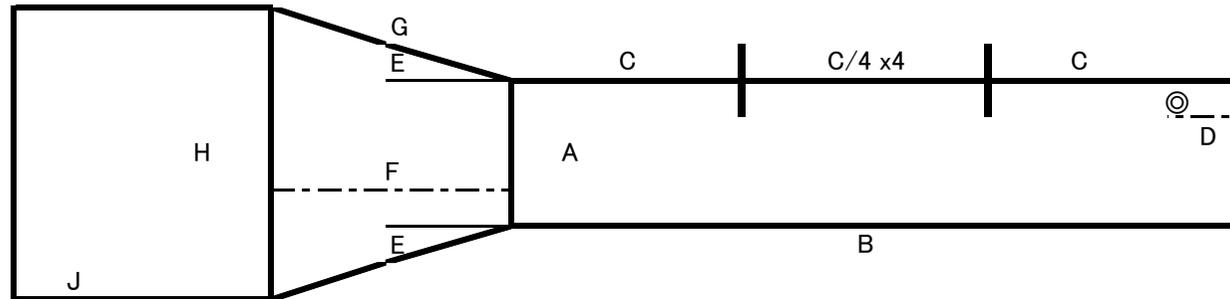


計算は HORNCALCU. EXE （by JA1EPK 大日方悟朗）による

| | | A | B | C | D | F/D | E | F | G | H | J |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G4CCH参考値(23cm) | | 165.00 | 610.00 | 203.00 | 81.00 | 0.50 | 30.00 | 121.00 | 139.72 | 302.00 | 305.00 |
| freq/MHz | λ/mm | 0.713λ | 3C | λg/2 | 0.2λg | | deg. | | F/cosE | | |
| 1296 | 231.48 | 165.05 | 609.00 | 203.00 | 81.20 | 0.56 | 33.80 | 103.90 | 125.03 | 304.60 | 334.20 |
| | | | | | | 0.60 | 31.60 | 131.00 | 153.80 | 326.30 | 425.90 |
| | | | | | | 0.63 | 30.10 | 153.10 | 176.96 | 342.70 | 494.20 |
| | | | | | | 0.70 | 27.10 | 210.70 | 236.68 | 380.70 | 659.50 |
| 2400 | 125.00 | 89.13 | 330.00 | 110.00 | 44.00 | 0.56 | 33.80 | 56.10 | 67.51 | 164.40 | 180.40 |
| | | | | | | 0.60 | 31.60 | 70.80 | 83.13 | 176.20 | 230.00 |
| | | | | | | 0.63 | 30.10 | 82.70 | 95.59 | 185.00 | 266.80 |
| | | | | | | 0.70 | 27.10 | 113.80 | 127.83 | 205.60 | 356.10 |
| 5760 | 52.08 | 37.14 | 138.00 | 46.00 | 18.40 | 0.56 | 33.80 | 23.40 | 28.16 | 68.50 | 75.10 |
| | | | | | | 0.60 | 31.60 | 29.50 | 34.64 | 73.40 | 95.80 |
| | | | | | | 0.63 | 30.10 | 34.50 | 39.88 | 77.10 | 111.20 |
| | | | | | | 0.70 | 27.10 | 47.50 | 53.36 | 85.60 | 148.30 |
| 10450 | 28.71 | 20.47 | 75.00 | 25.00 | 10.00 | 0.56 | 33.80 | 12.80 | 15.40 | 37.70 | 41.40 |
| | | | | | | 0.60 | 31.60 | 16.20 | 19.02 | 40.40 | 52.80 |
| | | | | | | 0.63 | 30.10 | 18.90 | 21.85 | 42.50 | 61.20 |
| | | | | | | 0.70 | 27.10 | 26.00 | 29.21 | 47.20 | 81.70 |

TE11
0.6〜0.75λ

λg(cm)、φd(mm)
$$\lambda g = \lambda o / \{1-[\lambda o/(1.706d)]^2\}^{1/2}$$

TM11
0.92〜1.915λ