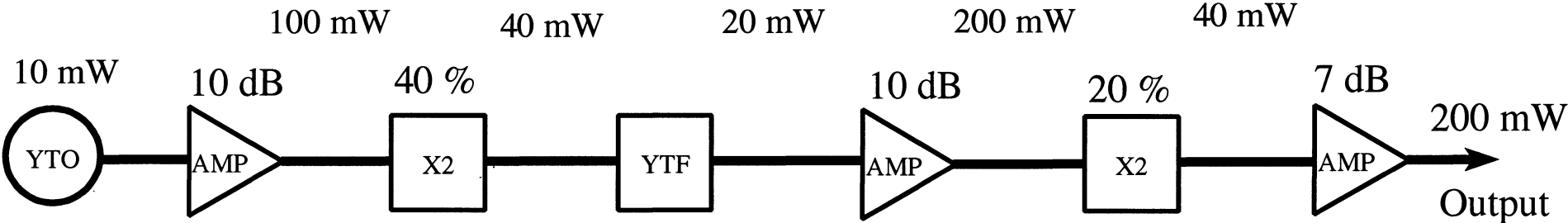


# Proposed MMA LO Sources



- 1) 16.25 - 21.25 GHz
- 2) 18.00 - 23.75 GHz
- 3) 21.75 - 27.00 GHz
- 4) 25.00 - 30.00 GHz

- 1) 32.5 - 42.5 GHz
- 2) 36.0 - 47.5 GHz
- 3) 43.5 - 54.0 GHz
- 4) 50.0 - 60.0 GHz

- 1) 65 - 85 GHz
- 2) 72 - 95 GHz
- 3) 87 - 108 GHz
- 4) 100 - 120 GHz

**NOTE:** The last amplifier in the chain will be made from power combining four 50 mW output MMIC chips.