

# Bluetooth



# What is Bluetooth ?

- Wireless protocol
- Exchanging data
- Creating personal networks
- Connecting technological devices
- Freehand phoning



# Options for using Bluetooth

- Freehand phoning
- Exchanging data with other devices (other phones, computers,...)
- Bluetooth mice and keyboards
- Bluetooth printers, scanners,.....



# Short history

- 1994
- 1998
- 2002
- 2005

# Versions

## First versions :

- Bluetooth 1.0
- Bluetooth 1.0B

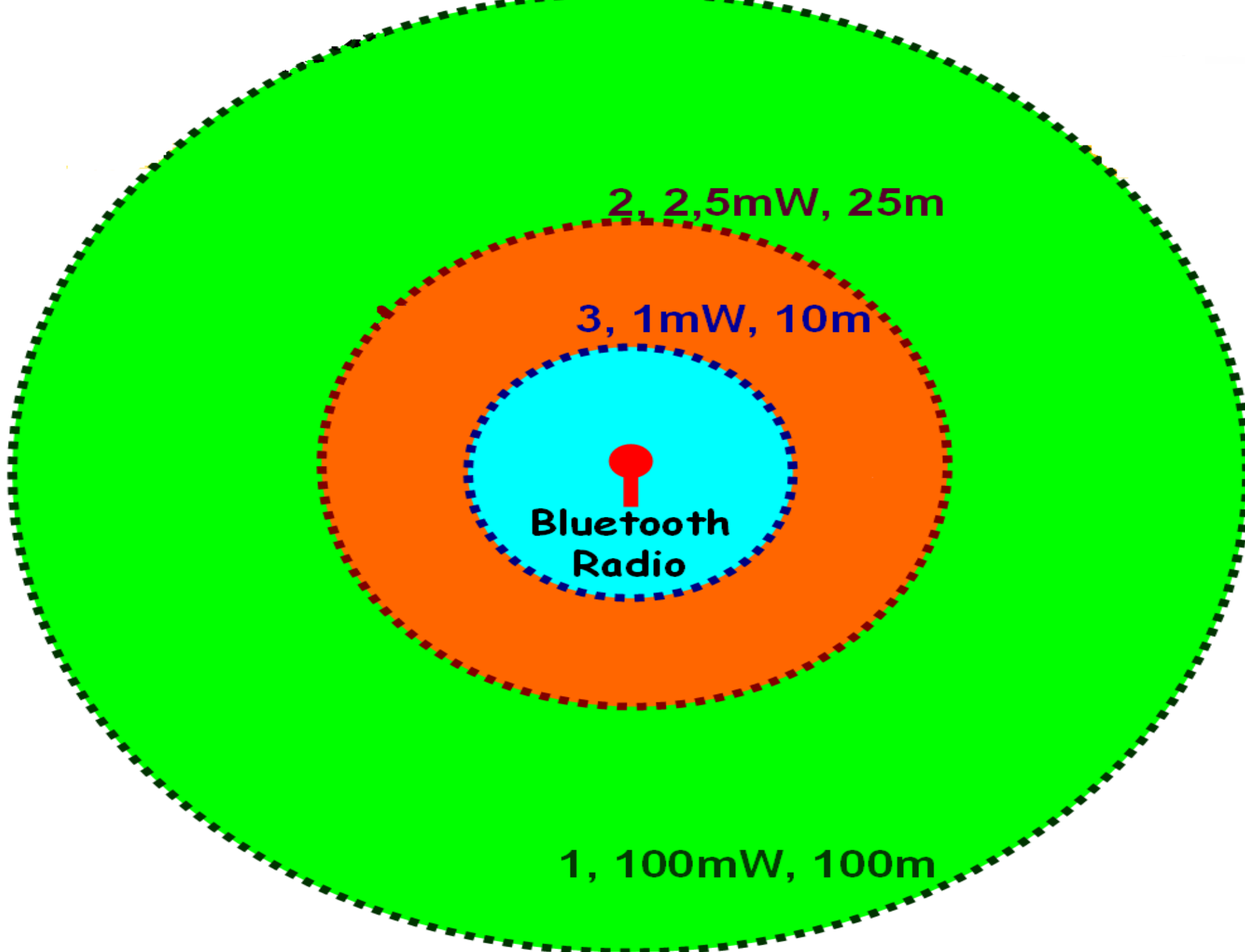
## Later Versions :

- Bluetooth 1.1
- Bluetooth 1.2
- Bluetooth 2.0 + EDR
- Bluetooth 2.1
- Bluetooth 3.0



# Bluetooth classes:

- Class 1 = 100mW (20 dBm), range about 100 m
- Class 2 = 2,5 mW (4 dBm), range about 25 m
- Class 3 = 1mW (0 dBm), range about 10 m



2, 2,5mW, 25m

3, 1mW, 10m

Bluetooth  
Radio

1, 100mW, 100m

# References:

- [www.bluetooth.com](http://www.bluetooth.com)
- [www.bluetooth.org](http://www.bluetooth.org)
- [www.ieee.org](http://www.ieee.org)
- [www.itpapers.com](http://www.itpapers.com)
- [www.ericsson.com/bluetooth.htm](http://www.ericsson.com/bluetooth.htm)



Thanks for your attention □

