

15.247 (h) Declaration – Bluetooth

Bluetooth devices which want to communicate with other devices must be organized in a structure called the piconet. The piconet consists of maximum of eight Bluetooth devices. One device is called the master and the other seven are the slaves. The function of the master is to co-ordinate frequency occupation in the piconet for all the other slaves' devices. The master determines the hopping sequence and the slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master.

As the master hop sequence is derived from its Bluetooth address which is unique for the Bluetooth device, additional masters intending to establish new piconets will always use different hop sequence.

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