

Technical Description of Bluetooth transmitter

The Bluetooth circuit consists of a Bluetooth IC (IC1N01), filter (FL1N01), X'tal(X1N01) and antenna(AT1N01).

IC0A01(QSD-8650) supplies transmitter signal to the Bluetooth IC (IC1N01) and controls the Bluetooth IC (IC1N01).

The Bluetooth IC (IC1N01) internally formats the supplied data (from IC0A01) to the signal (Bluetooth format) and modulates it.

The modulated Bluetooth signal from IC1N01 is input to the filter (FL1N01) by which spurious emissions are suppressed.

The output signal from the filter (FL1N01) is supplied to the Bluetooth antenna and transmitted.

The carrier of Bluetooth signal is generated by the PLL inside of the Bluetooth IC (IC1N01) referring to the frequency supplied by X'tal (X1N01).