

Rayson

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Theory of Operation/Technical Description –

- circuit function:

To build Bluetooth link and provide a transparent data communication through UART.

- signal flow:

Data Input to local device's UART Rx(pin26), RF signals go through PA to Switch and receive from LNA, then data output from remote device's UART Tx(pin27)

- description of Antenna system (Baluns, Multiplexers)

The module provide RF port(pin37) to connect external antenna.

Internal built-in balun filter and RF signals come from chip.

- Description of all modulation schemes used in the product:

1. GFSK
2. $\pi/4$ DQPSK
3. 8 DPSK

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