Circuit Description

1. The Bluetooth system operates in the 2.4 GHz ISM band. This frequency band is 2400 - 2483.5 MHz. Applications operating in European, Latin American and North American frequency ranges.

2. The requirements stated in this section are given as power levels at the antenna connector of the Bluetooth device. Both the RF-ANT, R1, and module can support several receivers to baseband interface.

3. The receiver input circuit uses a balun circuitry. This balun transforms the single ended 50Ω. source from the bandfilter to the module input.

4. The transmitting output is symmetrical with an open collector output structure, more suitable for power transmission. On this RF module, The symmetrical signal coming out is transformed to an asymmetrical signal using coupling capacitors.The typical output power at this ANT is 7dBm max.