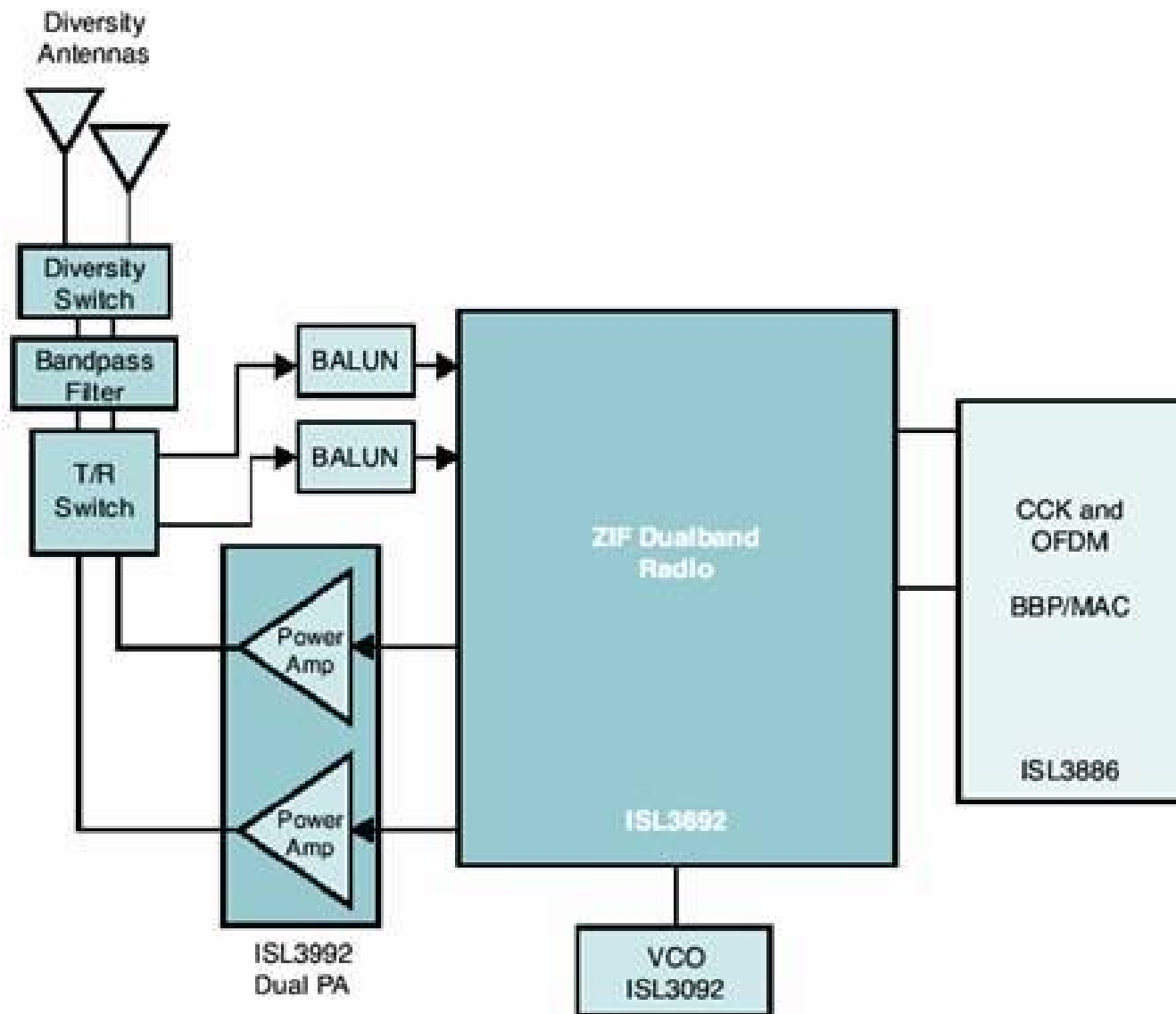




PRISM WorldRadio Block Diagram

Operation description

- » MAC/BB controller(ISL3886),Determine the modulation type(DBPSK,DQPSK,CCK,OFDM).Baseband Processorsend out TXI & TXQ signal.Orthogonal Frequency Division Multiplexing (OFDM) of 52 subcarriers modulated with BPSK, QPSK, 16QAM or 64QAM and a variety of convolutional coding rates provides 8 selectable data rates at 2.4GHz .Differential phase shift keying modulationschemes, DBPSK and DQPSK with data scrambling capability along with Complementary Code Keying provide an additional 4 selectable data rates at 2.4GHz.
- » Radio IC (ISL3892) Mixed TXI & TXQ . Send out transmission signal.RF part (2412-2462MHz) and Power Amplifier (ISL3992) to amplify the signal.BPF Antenna diversity switch Antenna Transmit signal out from Antenna
- » In USA, this device can only operate in 2412-2462MHz, as for other channels will be disable by software before importing.