Applicant: Dongguan Southstar Electronics Limited
FCC ID: X8C-EE10A2

Operation Description

The device uses the 2.4GHz GFSK single chip RF Transceiver nRF24L01 with embedded protocol engine (Enhanced ShockBurst™) . The RF Transceiver is designed for operation in the world wide ISM frequency band at 2.402 - 2.480GHz and is very well suited for ultra low power wireless applications. The RF Transceiver module is configured and operated through the RF transceiver map. This register map is accessed by the High performance MARS MR8980B MCU through a Serial Peripheral interface (SPI). MR8980B can capture video information through the on chip camera sensor interface, it also has audio input channel. Audio and Video are compressed by the on-chip DSP, then the compressed data is packeted by the embedded RF protocol engine (Enhanced ShockBurst™) and transmit to the receiver end.
Antenna is a unique antenna. Common grounding on PCB is not connected to real external ground. Power supply is DC 3.7V by Standard Lithium Battery or DC 6V by adapter.