Operational Description

GSM module is a quad band module which support GSM/GPRS. RF circuit is based on RFMD. It works at quad bands, GSM850, and PCS1900 band.
The PAM RF7161 include RF power amplifier and antenna switch for quad-band (GSM850/PCS1900) GSM/GPRS applications. The device isdesigned for use as the final portion as the transmitter section in a GSM850/ PCS1900 handset and eliminates the need for a PA-toantenna swithch module matching network. The device provides 50ohm matched input and output ports requiring no external matching components.

The PNX4851 PA ramp DAC controls the output power level of the RF PA. The ramps aare stored in the designerd ramp RAM.the RTEC then asserts a strobe to transfer the first ramp to the DAC; Following each strobe,the next ramp profile is loaded, and a subsequent pulse causes the next ramp to transmit, and so on. At the end of a transmit sequence, the first ramp profile is re-selected. PA ramp DAC features include the following:
- Controls PA ramp output power
- Ramp values are preserved until overwritten
- Each ramp has 16 values, interpolated to produce a 64-step ramp over 8.25 bits 10-bit resolution on DAC values