1.0 General Description

1.1 Product Description

The PM5800 is a 5.8GHz/2.4GHz 40 Channel Analog Modulation Cordless Phone. The unit is capable of either tone or pulse dialing. The internal power supply's isolation is accomplished through a power transformer having an adequate dielectric rating. The circuit wiring is consistent under the requirement of part 68.

The handset unit consists of a keypad with twelve standard keys (0,...9,*,#), four function keys (Mem, Flash, Redial, Mute), and one channel switch key. A Talk key is provided to control pick/release telephone line in a toggle base.

The base unit has a page key, which is used to page the handset unit.

The antennas used in base unit and handset are integral, and the tested sample is a prototype.

The model PM5800 is one of the model PM5800(XXXXX). The suffix, (XXXXX), followed by the model number is represented color code in any alpha character from A to Z. The model numbers with different suffix are identical in electrical, mechanical, and physical design. The difference in suffix of model number serves as marketing strategy.

The circuit description is saved with filename: descri.pdf

Connection between the device and the telephone network is accomplished through the use of USOC RJ11C in the 2-wire loop calling central office line.

1.2 Purpose of Application

The purpose of this application is to report changes in the original certified product for reason of different cosmetic enclosures. The main modifications are PCB layout of base unit main board and handset main board. In addition, some of capacitors are changed for better acoustic performance. All other design including electronic and electrical are identical. The RF modules of base unit and handset are remained the same, and the function is also the same as the original certified product.

This is a single application for Permissive Change Class II of Base Unit of a cordless telephone system. The FCC ID of the associated handset is NYC-GH5877H, and it was subjected to Permissive Change Class I.