Chelton Avionics, Inc. dba Cobham Aerospace Communications and Wulfsberg Electronics
Communication Products
6400 Wilkinson Drive
Prescott, AZ USA 86301

Date: Aug. 15, 2018

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Reviewing Engineer

Re: Motorola APX Part 90 operation on frequencies in the 150.8-162.0125 MHz, 173.2-173.4 MHz, and/or 421-512 MHz bands

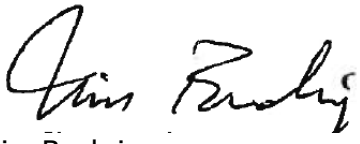
To Whom It May Concern:

This letter serves to define the Motorola Operation in the RT7000 PMR radio - FCC ID (FCC ID: FRWRT7000).

Section 90.203(i)(5) states: Applications for part 90 certification of transmitters designed to operate on frequencies in the 150.8-162.0125 MHz, 173.2-173.4 MHz, and/or 421-512 MHz bands, received on or after January 1, 2011, must include a certification that the equipment meets a spectrum efficiency standard of one voice channel per 6.25 kHz of channel bandwidth. Additionally, if the equipment is capable of transmitting data, has transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

Cobham certifies the Motorola APX is the only module defined to operate in these bands and data rates (150.8-162.0125 MHz, 173.2-173.4 MHz, and/or 421-512 MHz bands). The APX has its own PART 90 certification and FCC license that shows that it meets these operating parameters. It supports the 6.25 kHz voice and data cases. Cobham validated that our implementation did not impact the mask, audio, emissions from the APX, and our repackaging had no detrimental effects in the base APX performance. The Motorola certified radio is the APX8000, FCC ID AZ489FT7061.

Please contact me if you require any additional information.
Sincerely;



Jim Buehring
Certification Manager
Wulfsberg Electronics Division
T: (928)708-1527
F: (928)708-1511
jim.buehring@cobham.com