

February 13<sup>th</sup>, 2013

Office of Engineering and Technology Laboratory Division  
Equipment Authorization Branch  
FCC Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

Subject: Application for a Class 2 Permissive Change to the FCC authorized Transceiver with FCC ID: AZ489FT3815 MOTOTRBO VHF (136 –174 MHz), 5W Rated Power, Max Power 6W.

Dear Sir/Madam,

A Class 2 Permissive Change is requested for MOTOTRBO VHF, 136 – 174 MHz, (the subject transceiver) which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

Several components were replaced due to the 'end of life' instances and due to cost reduction efforts from the manufacturing sources. These components were primarily passive components except for the operational amplifier IC in the transmitter section of the radio. All components were identical in specifications and are drop in parts. The PC Board for the FGU was re-laid out to accommodate some of these replacement components. A complete list of the components is provided in Exhibit 10.

We are also adding Emission Designators, 7K60F1D, 7K60F1E, and 7K60F1W via software to be consistent with all other MotoTRBO certifications. Also, please add Rule Part 74 to accommodate special broadcast stations.

B. PERFORMANCE DIFFERENCES:

No degradation was observed on RF Exposure evaluations. However, Tx Radiated Spurious Emission degradation was found when compared to the original filing but is still compliant and within the FCC limits.

C. CONCLUSION:

This radio continues to meet all FCC spurious emissions requirements for which authorization was granted. However, the Radiated Spurious Emission has degraded compared to those originally reported, thus this change meets requirements of a Class-2 Permissive Change.

Sincerely,



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