

Date: 21st August, 2013

Office of Engineering and Technology,
Laboratory Division,
Equipment Authorization Branch,
Federal Communications Commission Laboratory,
7435 Oakland Mills Road,
8000 W. Sunrise Blvd.

Subject: Application for Permissive Change for Class 2 to FCC Authorized Transceiver with
FCC ID: ABZ99FT4093

A permissive change is requested for UHF1 403-470 MHz Mobile (the subject transceiver)
which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

There are several components replaced due to component 'end of life' and to improve radio
performance including SINAD and VSWR. All component changes are passive components.

The lists of changes are as below.

- Codec's attenuation optimized to address VOX issue.
- Fix MAP GPIOs to ensure the output BJT is operated in saturation mode.
- Change in handset audio gain due to bad information about handset.
- Change matching capacitors in the PA lineup due to EOL part and VSWR improvement.
- Replaced RF IC with identical parameters except that the new TCXO has tighter tolerance.

B. PERFORMANCE DIFFERENCES:

No degradation was observed on EME. However, degradation was observed on EMC
performance data which are already on file but is still complaint and within the FCC limits.

C. CONCLUSION:

This radio continues to meet all FCC spurious emissions requirements for which authorization
was granted. However, the 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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