



**MOTOROLA**

FCC ID: AZ489FT4845

5<sup>th</sup> December 2006

Authorization & Evaluation Division  
Federal Communications Commission Laboratory  
7435 Oakland Mills Road  
Columbia, MD 21046

**Subject: APPLICATION FOR CLASS 2 PERMISSIVE CHANGE TO FCC AUTHORIZED Transceiver  
with FCC ID: AZ489FT4845, 450-520 MHz, 1-4.6 Watt Variable Power.**

Dear Sir / Madam,

Motorola requests a Class 2 Permissive Change for the subject Portable transceiver which is marketed in the United States and elsewhere as the UHF Band 2 Portable 2-Way radio.

a. DESCRIPTION OF PRODUCT CHANGES:

- Mechanical design changes to enable the product to comply with the IP67 water sealing and dust intrusion requirements.
- The current antenna nut will be replaced by a SMA antenna connector to enhance water sealing performance.

b. PERFORMANCE DIFFERENCES:

Performance data on radiated spurious emissions was obtained in accordance with 47 CFR 2.1053. All radiated emissions performance measurements were performed at the Motorola Plantation Facility OATS, which is an FCC listed site. Attached results shows that conducted spurious emissions (2Fc) has degraded compared to the original filing but are within the FCC limits and there are several harmonics present compared to those original filing. Attached results also shows that radiated spurious emissions (2Fc) has degraded compared to the original filing but are within FCC limits and there are several harmonics present compared to those original filing.

c. CONCLUSION:

This radio continues to meet all FCC emissions requirements for which authorization was originally granted. However, the radiated and conducted spurious emissions were degraded to those originally reported to the FCC, thus triggering a Class 2 Permissive Change request.

Sincerely,

/s/ Mike Ramnath (signed)

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