



31<sup>st</sup> May 2006

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

SUBJECT: Application for Class II Permissive Change Request for the previously Certified Transmitter with FCC ID: AZ489FT5804 for the Astro Digital XTS2500, 764-870 MHz, 1-3 Watt Variable Power, Portable Radio.

Dear Sir:

Motorola, 8000 West Sunrise Blvd, Fort Lauderdale, Florida, herein submits its' application for a Class II P/C Certification of the subject transmitter.

DESCRIPTION OF PRODUCT CHANGES:

- On the Controller/Vocon section: The GCAP, Flipper and Audio PA IC parts are replaced with the MAKO IC, as these parts are going end-of-life. The micro-controller Patriot Bravo IC remained the same.
- On the RF section: The Infineon Mixer is replaced by the Triquint Mixer and the Ring PA is replaced by the Mitsubishi PA, as these parts are going end-of-life.
- Sales Model Numbers up-revision from 'A' to 'B'
- Added Immersible Models: The difference between these models and the previously certified models are the front cover, chassis & secondary shields to withstand Immersibility to 1m under water.
- Piece part conversion from non-Environmental Preferred Parts (non-EPP) compliant to Environmental Preferred Parts (EPP) compliant.

Performance data on Radiated Spurious Emissions was obtained in accordance with 47 CFR 2.1047 and 2.1033(c) (13). All Spurious Emissions data for clear communications are within the FCC limits but the Radiated Spurious did not degrade to those in the original filing. See the attached Exhibit 6G and H for more details.

All other data, including RF Exposure, are within the FCC limits and continues to be compliant.

If you have any questions, please email me at the address below or call me at 954-723-5793.

Yours truly,

/s/ Mike Ramnath (signed)

Mike Ramnath

Manager, Regulatory Compliance

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