UltraTech
Group of Labs

September 02, 2000

FEDERAL COMMUNICATIONS COMMISSION
7435 Oakland Mills Road
Columbia, MD 21046
USA

Subject: **Compliance with FCC RF Exposure Requirements per FCC Rules 2.1091 and 2.1093**

Product: **Frequency Hopping Spread Spectrum Transceiver Module**
Model No.: **LX2400**
FCC ID: **KQL-LX2400**
731 Confirmation No.: EA98784

Dear Sir/Madam

The above product has been tested and evaluated for compliance with FCC RS Exposure Requirements per FCC Rules 2.1.091 and 2.1093. Please find the attached SAR test report in the RF Exposure Folder for details.

- **Product Approval Overview:**
  The application is for the family of 3 versions of the radios: 2.5 mW, 11 mW and 147.9 mW. These radios are mechanically and electrically identical, the only difference is the power amplifier component.

Family Models	Portable	Mobile	Fixed
LX2400-3	X	X	X
LX2400-10	X	X	X
LX2400-150		X	X

- **Approved Antenna Overview:**

Antenna Model/Part Number	Manufacturer	Type	Gain	Connector Type	Application*	LX2400-3	LX2400-10	LX2400-150
WCP-2400-MMCX	Centurion	¼ Wave Dipole	2dBi	MMCX	P/M/F		X	X
Z986	Maxrad	Patch	2.5dBi	MMCX	F			X
NZH2400-MMCX (External)	AeroComm	Microstrip	1dBi	MMCX	P		X	X
NZH2400-I (Integrated)	AeroComm	Microstrip	1dBi	Integrated	P	X		
S131CL-5-RMM-2450S	Nearson	¼ Wave Dipole	2dBi	MMCX	P/M/F		X	X
S181FL-5-RMM-2450S	Nearson	¼ Wave Dipole	2dBi	MMCX	P/M/F		X	X
S191FL-5-RMM-2450S	Nearson	¾ Wave Dipole	3dBi	MMCX	M/F		X	X

*P=Portable, M=Mobile, F=Fixed/Basestation

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- **Compliance with RF Exposure Requirements**:

  - For the 2.5 mW and 11 mW radios intended for use in any applications (portable, mobile or base), the transmitters comply with FCC 2.1093 and FCCOET Bulletin 65 (August 1997) with maximum 0.4 W/Kg with body tissue at hip position with among optional antennas. Please refer to attached SAR test report.

  - For the 148 mW Radio, the transmitter, only intended for use with a mobile or base system, complies with FCC 2.1091 with the minimum RF safety distance of 30 cm.

If you have any queries, please do not hesitate to contact us.

Yours truly,

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