



# Technisonic Industries Limited

240 Traders Boulevard, Mississauga, Ontario L4Z 1W7

Tel: (905) 890-2113 Fax: (905) 890-5338

www.til.ca

Federal Communications Commission  
Authorization and Evaluation Division  
1435 Oakland Mills Road  
Columbia, MD 21046

Date: 26 June 2016

SUBJECT: Extended Frequencies Justification for Certification of Transmitter of  
FCC ID: IMA-T4000.

Dear Sir or Madam:

The T4000 Transmitter was designed to operate on the following frequency bands:

BAND	FREQUENCY RANGES	FCC RULE PARTS
VHF	136 – 174 MHz	80, & 90
UHF LOW	380 – 470 MHz	80, & 90
UHF HI	450 – 520 MHz	80, & 90
700 MHz	764 – 776, & 794 – 806 MHz	90
800 MHz	806 – 825, & 851 – 870 MHz	90

Technisonic requests that the FCC list the above frequency ranges under rule parts 80 and 90 on the grant to aid equipment authorization in other countries that accept FCC grants for certification.

This RF module is used in airborne radio equipment used by Federal and Public Safety agencies including Police, Fire and Emergency Air Medical operations. Services are indicated in the following table. Authorized service personnel are responsible for equipment programming.

The radio module complies with 47 CFR Part 90.203(e) and 80.203(b), in that the operator cannot directly program the transmit frequencies using normally accessible controls.

Per the FCC's KDB634817 guidance, as an alternative to listing exact frequencies, Technisonic acknowledges that it is a violation of FCC rules if the RF module operates on unauthorized frequencies.

FREQUENCY RANGE (MHz)	FCC PARTS
136 - 150.8*	FEDERAL GOVERNMENT USE
150.8 - 152.855	90
152.855 - 154	90
154 – 156.2475	80, & 90
156.2475 – 157.1875	80
157.1875 – 157.45	80, & 90
157.45 – 161.575	80, & 90
161.575 – 161.625	80
161.775 – 161.9625	80, & 90
161.9625 – 162.025	80
162.025 – 162.0375*	FEDERAL GOVERNMENT USE
162.0375 – 173.4	90
173.4 – 174*	
380 – 406.1	FEDERAL GOVERNMENT USE
406.1 - 450	90
450 - 454	90
456 - 460	80, & 90
460 - 462.5375	90
462.5375 – 462.7375*	FEDERAL GOVERNMENT USE
462.7375 – 467.5375	80, & 90
467.5375 – 467.7375	80
467.7375 - 470	80, & 90
470 - 512	90
512 - 520	FEDERAL GOVERNMENT USE
768 – 769*	
769 - 775	90
799 - 805	90
805 – 806*	
806 - 809	90
809 - 824	90
851 - 854	90
854 - 896	90

NOTE: Frequencies listed with a \* are for use in Canada

Please don't hesitate to contact me if additional information is required.

Regards,



Steve McIntosh  
Engineering Manager  
Tel: (905) 890 2113 x 205  
Email: stevem@til.ca