



## RADIO COMMUNICATIONS, RF DESIGN & MANUFACTURING

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2nd November 2016

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

Subject: Extended Frequencies Justification

Gentlemen:

We, Spectra Engineering, would like to submit the following justification to show the frequency range 406.1-520 MHz on the Grant of Equipment Authorization under Part 90 for our FCC ID: OKRMXDR4V.

Per the FCC'S KDB 634817 guidance, as an alternative to listing the exact frequencies, we acknowledge that it's a violation of the FCC Rules if this device operates on unauthorized frequencies. This radio is intended for use by federal agencies, public agencies, emergency services, as well as commercial, business, and industrial services. Additionally, it will be used in other countries that accept the FCC Grant of Equipment Authorization. These services account for a majority of users as described in the below table.

Frequencies MHz	Part 90	Federal	ITU Region
406.1 to 410	90		
410-420	90		
420 -450	90		
450-454	90		
454- 456		X	1, 2, 3
456 – 460	90		
460 – 462.5375	90		1, 2, 3
462.5375- 462.7375		X	
462.7375 – 467.5375	90		

467.5375 – 467.7375		X	1, 2, 3
467.7375 - 470	90		
470- 512	90		
512-580		x	2

This radio complies with 47 CFR Part 90.203(e) in that the operator cannot program and transmit on frequencies, other than those programmed by the manufacturer, service or maintenance personnel, using the equipment's external operation controls.

Sincerely,



Gary Jacobs  
Managing Director