



# SPECTRA ENGINEERING

## RADIO COMMUNICATIONS, RF DESIGN & MANUFACTURING

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July 7, 2021

To:  
Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Rd.  
Columbia, MD 21046

**Subject:** Extended Frequencies Justification

Dear Sir or Madam:

We, Spectra Engineering Pty. Ltd, would like to submit the following justification to show the frequency ranges 380-406 Mhz and 406.1-520 MHz on the Grant of Equipment Authorization under Part 90 for our FCC ID:OKRMXDR4B

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
380.0-406.0		X	1, 2, 3
406.1 to 454	90		
454- 456		X	1, 2, 3
456 – 462.5375	90		
462.5375- 462.7375		X	
462.7375 – 467.5375	90		
467.5375 – 467.7375		X	1, 2, 3
467.7375 – 512.0	90		
512.0-520.0		X	1, 2, 3

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.

Best Regards,

FOR AND ON BEHALF OF SPECTRA ENGINEERING Pty Ltd

**Gary Jacobs**

Managing Director  
Wednesday, July 07, 2021