



SPECTRA ENGINEERING

RADIO COMMUNICATIONS, RF DESIGN & MANUFACTURING

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Thursday, June 16, 2022

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 400-406 Mhz and 406.1-470 MHz on the Grant of Equipment Authorization under Part 90 for our FCC ID: OKRMX950N5H

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 – 470.0	90		

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
Thursday, June 16, 2022