

ABELL INDUSTRIES CO., LTD.
701-702, 7/F, D Bldg, Qianwan Hard Technology Industrial Park, Xixiang Rd., Bao
An Dist., ShenZhen 518054, China

Date: August 20, 2025

FCC ID: TEY-R50

Model Number: R50, R50(10), R50(20)

To: Federal Communication Commission
Office of Engineering and Technology Laboratory Division
Equipment Authorization Branch
Federal Communications Commission Laboratory
7435 Oakland Mills Road Columbia, MD 21046

Subject: Extend Frequencies Justification Original Application **FCC ID: TEY-R50**

Dear Sir or Madam;

This **DMR Digital Repeater** was designed to operate in the frequency bands 400-470MHz; To aid equipment authorization in other countries that accepts the United States FCC Grant for Certification, **ABELL INDUSTRIES CO., LTD.** is requesting that the FCC list the frequencies 400-470MHz under FCC Rule Parts 90 and the Grant note code "EF". For the FCC's Rule Part 90 applications, this radio is used in systems by Federal and Public Safety agencies including Police, Fire, and Emergency Medical Services, etc. as indicated in the table below. Equipment programming is the responsibility of Authorized Service Personal. Also, the radio complies with 47 CFR Part 90.203 (e), in that the operator cannot directly program the transmit frequencies using the normally accessible external controls.

Per the FCC's KDB634817 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.

Frequency Range (MHz)	Part 22	Part 74	Part 80	Part 90	Federal
380-406.1					X
406.1-450				X	
450-454		X		X	
454-456		X			
456-460	X		X	X	
460-462.5375				X	
462.5375-462.7375*					X
462.7375-467.5375			X	X	
467.5375-467.7375			X		
467.7375-470			X	X	

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Should you have any questions or comments regarding this matter, please have my best
attention.

Sincerely,

(Signed)

A handwritten signature in black ink, appearing to read "Wang Bo".

Name / Title: Bo Wang / R&D Director
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