

ABELL INDUSTRIES CO., LTD.

701-702, 7/F, D Bldg, Qianwan Hard Technology Industrial Park, Xixiang Rd.,
BaoAn Dist., Shenzhen 518054, China

Date: August 22, 2024

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-AR8000**

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	Other Regions
380-406					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	X
462.7375-467.5375			X	X		
467.5375-467.7375			X			
467.7375-470			X	X		
470-512	X	X		X		
512-520					X	X

Please contact me if you required any additional information.

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Sincerely,

A handwritten signature in dark ink, appearing to read 'Wang Bo', written in a cursive style.

(Signed)

Name/Title: Bo Wang / R&D Director

Company: ABELL INDUSTRIES CO., LTD.

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