

2 March 2023

## Justification Letter – Extended Frequency Range

FCC ID: CASTPHN0A

To aid equipment authorization in other countries that accept the United States FCC Grant for Certification, Tait International Limited is requesting that the FCC list the frequencies of 136-174MHz, 378-512MHz, 762-870 MHz under FCC Rule Parts 90 and 22, and 757-806 under FCC Rule part 27 on the Grant. Per Federal Communications Commission (FCC) publication, KDB634817 - Frequency Range Listings for Certification Grants, Tait Limited submits the following attestation.

This Handheld Portable Transmitter has:

1. The design capability to operate in the frequency band 136-174 MHz, 136-174MHz, 378-512MHz, 762-870 MHz
2. Complies with 47CFR Part 90.203(e) in that the equipment operator cannot directly program transmit frequencies using the normally accessible external controls.

Frequency band 406 to 406.1 MHz is reserved for use by distress beacons. Transmissions should not be made within this frequency band.

Programming this equipment is the responsibility of Tait International Limited Approved Service Agents

In addition to the following rule parts applied for:

22 90 27

This device may be utilised in systems operated by Federal and Public Safety agencies, as indicated in the table beneath.

The Grant Note ‘EF’ should be appended to the Grant of Authorisation, indicating this operation is required.

Freq. Range (MHz)	Region	Federal	Part
138-144*	2,3	F	
146-148	1,3		
148-149.9*	1, 3	F	
150.05-150.8		F	
150.05-153	1,2,3		
150.8-156.4875*			90
150.8-152.885			22
153-154	1,2,3		
154-156.4875	1,2,3		
156.5625-156.7625*	1,2,3		
156.8375-161.9625*	1,2,3		
157.1875-161.575			90

Freq. Range (MHz)	Region	Federal	Part
157.45-161.775			22
161.775-161.9625			90
161.9625-174	1		
161.9875-162.0125*	2,3		
162.0375-174	2,3		
162.0375-173.2*		F	
162.0375-173.4			90
173.4-174*		F	
378-399.9*	1,2,3	F	
401-406.0*	1,2,3		
406.1-420	1,2,3	F	90
420-430*	1,2,3		90
430-454	1,2,3		90
450-470*	1,2,3		
454-455			22
456-460			22
456-462.5375			90
462.7375-467.5375			90
467.7375-512			90
470-512			22
756-758*	1,2,3		27
758-775*	1,2,3		90R
775-788*	1,2,3		27
788-805*	1,2,3		90R
805-806*	1,2,3		27
806-809*	1,2,3		90S
809-849*	1,2,3		22,90
849-851*	1,2,3		22
851-854*	1,2,3		90S

Freq. Range (MHz)	Region	Federal	Part
854-870*	1,2,3		22,90
896-941	1,2,3		
896-901			90
902-930			90
928-929			22
931-935			22
935-940			90

\* Canada  
F=Federal

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