

TAC Number	304	TAC Date	23-JUL-2018	TAC Rev. date	19-DEC-2018
Beacon Model Name	Fastfind PLB 220				
Additional Names	Z423 (Fastfind 220)				
Manufacturer	Orolia Limited				
Tx Frequencies	406.031 MHz				
In Production	in production	Class	2		
Type	PLB	Tested Life (hours)	24		
Battery	Lithium Manganese Dioxide, GP GPCR123A (2/3A size, 4 cells)				
Battery Legend: Battery cell manufacturer, Cell chemistry, Cell model, No. of cells, Cell size.					
Protocols tested	UL - User-Location, SL - Standard Location, NL - National Location.				
Self Test	yes	Self Test RF	yes	Self Test RF (Short/Long)	long
Self Test Format Flag	long	Self Test Consistent with 15 Hex ID			yes
Homer Freq	121.5 MHz	Homer Duty Cycle			99%
Homer Power	19 dBm				
Strobe Light	no	Strobe Brightness	N/A	Strobe Duty Cycle	N/A
Nav Device	Int	Nav Device Model	uBlox model "NEO-M8N"		
Separable Antenna	no	Antenna Model	Integrated antenna		
Additional functions	GNSS Self-test				
General comments	(1) Beacon was tested in PLB configurations only, corresponding to beacon operation while "on ground" and "above ground" (2) Demonstrated full compliance with C/S Standards: C/S T.001 Issue 4 - Rev.2 (February 2018), C/S T.007 Issue 5 - Rev.1 (February 2018). (3) Approved for message encoding with variants of Standard Location Protocol for EPIRB with MMSI, EPIRB with Serial Number, PLB with Serial Number, variants of User Location Protocol for Maritime with MMSI, Maritime with Radio Call Sign, EPIRB Non Float Free with Serial Number, Radio Call Sign, and PLB with Serial Number, and variants of National Location Protocols for EPIRB and PLB.				
TAC rev history	(1) 6-Feb-09: original TAC 194 issued for Signature Industries Ltd.; (2) 5-Aug-09: first extension TAC 200 issued; (3) 18-Nov-09: TAC 200 re-issued in the name of McMurdo Ltd.; (4) 29-Mar-10: second extension TAC 203 issue; (5) 15-Apr-11: third extension TAC 217 issue; (6) 20-MAR-12: Additional names Z421 (Fastfind 220) and Z422 (Fastfind Ranger) added; (7) 1-Apr-12: TAC 217 re-issued in the name of Orolia Limited, UK; (8) 24-May-12: Fourth extension TAC 229 issued; (9) 6-Aug-13: Fifth extension TAC 243 assigned; (10) 10-Apr-15: Sixth extension TAC 263 assigned; (11) 14-Nov-16: Seventh extension TAC 281 assigned; (12) 4-Oct-17: Eighth extension TAC 292 assigned; (13) 13-Oct-17: Replacement of GNSS Chip to UBLOX "LEA 6A" approved; (14) 23-Jul-2018: Change to TAC 292 approved which involved substantial re-design for model Fastfind 220 PLB only and new TAC issued for Z423 variant; (15) 19-Dec-18: Update of firmware related to				

swept tone duty cycle approved.