

TAC Number	346	TAC Date	07-JUL-2021	TAC Rev. date	
Beacon Model Name	EPIRB1 Pro				
Additional Names	---				
Manufacturer	Ocean Signal Ltd.				
Tx Frequencies	406.040 MHz				
In Production	in production	Class	2		
Type	FF / Non FF EPIRB	Tested Life (hours)	48		
Battery	Qlite, Lithium Manganese Dioxide, CR123, 2 x 3 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	97%		
Homer Power	14 -18 dBm				
Strobe Light	yes	Strobe Brightness	N/A (dual high-intensity LED)	Strobe Duty Cycle	20-30 flashes per minute
Nav Device	internal GPS	Nav Device Model	Quectel model "L70"		
Separable Antenna	no	Antenna Model	integral transmitting antenna		
Additional functions	GNSS self-test mode; manual and automatic (via water-switch) activation.				
General comments	Model "EPIRB1 Pro" is a variant of the base model "EPIRB1" fit with an integral fixed (not retractable) transmitting antenna. EPIRB 1 Pro is available in two options: as a Non-Float Free EPIRB with a manual bracket, and as a Float-Free EPIRB with a float-free beacon housing and a hydraulic release unit (HRU). Designed, tested and approved for use in configurations, typical for EPIRBs, i.e. corresponding to beacon floating in water, placed for operation on deck of a vessel, and operating from a safety raft. Approved for message encoding with maritime variants of Standard Location protocol (EPIRB with MMSI and EPIRB with Serial Number) , National Location for EPIRB protocol, and variants of User-Location protocol (Maritime with radio-Call Sign and Radio Call Sign). Capable to update the encoded position data at variable intervals between 30 minutes and 2 hours.				
TAC rev history	1) 03-Nov-14: originally approved with TAC 256; 2) 20-Dec-17: first additional TAC 297 issued; 3) 23-Sep-19: second additional TAC 322 issued; 4) 8-Apr-20: Float Free/ Non-FF model "EPIRB1 PRO" with integral fixed (not re-tractable) antenna approved and added to TAC 322; 5) 13-Oct-20: third additional TAC 332 issued; 6) 7-Jul-21: fourth additional TAC 346 issued.				