TAC Report Nr. 322-2.1

TAC Number	322	**TAC Date**	23-SEP-2019	**TAC Rev. date**	27-MAR-2020
Beacon Model Name	EPIRB1				
Additional Names	---				
Manufacturer	Ocean Signal Ltd.				
Tx Frequencies	406.040 MHz				
In Production	in production			**Class**	2
Type	Non FF EPIRB			**Tested Life** (hours)	48
Battery	Lithium Manganese Dioxide, Qlite (or Panasonic), 2 x 3 CR123 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**	internal GPS-receiver, manufacturer: Quectel, model: L70		
Separable Antenna	no	**Antenna Model**	manually retractable integral transmitting antenna		
Additional functions	-GNSS self-test mode; - Manual activation				
General comments	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) .				
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) 27-Mar-20: Alternative Battery approved and separate web-report created for manual-only-activation models.				