

Exhibit 12A Antenna Details

29th November 2022



Introduction



This document provides details of the antenna types shown in the table below utilised in the rescueME PLB3 and ResQLink AIS (PLB-450) beacon products:

Antenna Product Summary Table

Ocean Signal Part Number	Antenna Type	Operating Frequency (MHz)	Gain dBi (Max)	Beacon Model
1305-03337	Retractable Monopole	121.5, 162, 406	1, -3, 6	
380-01213	18x18x2mm Ceramic Patch GNSS	1575.42	2	rescueME PLB3, ResQLink AIS (PLB-450)
381-04076	15x15mm -NFC (Near Field Communication)	13.56	N/A	

rescueME PLB3 and ResQLink AIS (PLB-450) Beacon Products: Monopole Antennas Deployed







Operating Frequencies: 121.5MHz 406MHz 162MHz (AIS)

Antenna PCB Spring Contact Details and GNSS Antenna





NFC Antenna Spring Contacts (ANT3, ANT4)



GNSS Ceramic Patch Antenna (ANT1) Monopole Antenna Spring Contact (ANT2)



Monopole Antenna Feed Connection Detail and NFC Antenna Position





Note: The PLB-450 is identical in features and construction to the PLB3

GNSS and NFC Antenna Data Sheets



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Antenna Specification:

1 SCOPE

This specification shall cover the characteristics of the dielectric antenna element with the type A1573M753000L001

2 PART NO.

PART NUMBER	CUSTOMER PART NO	SPECIFICATION NO
A1573M753000L001		

3 OUTLINE DRAWING AND DIMENSIONS

3.1 Appearance: No visible damage and dirt.

3.2 The products conform to the RoHS directive and national environment protection law.

3 3 Dimensions



*: EIAJ Monthly Code

4 ELECTRICAL SPECIFICATIONS

4.1 Performance Characteristics

Items	Content	
Nominal frequency MHz	1575.42 ± 1.023	
*Center frequency (with tape on 20×20mm ground plane)	1568.5±3.0	
Real Part Ω	95±15	

Both GPS and Galileo constellations are utilized for position fixing and RLS functionality respectively.



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Part Number: 1462360151 Status: Active Overview: Near Field Communication (NFC) Antennas Description: Rectangular Near Field Communication (NF		(<u>(NFC) Antennas</u> mmunication (NFC) Antenna, with Ferrite, 15.00mm by	ntenna, with Ferrite, 15.00mm by			
Documents: 3D Model 3D Model (PDF) Drawing (PDF) Product Specification	1462360001-PS (PDF)	Application Specification 1462360001-AS (PDF) Packaging Specification 1462360001-PK (PDF) Datasheet (PDF) RoHS Certificate of Compliance (PDF)		lex 2360051 e - Reference only		
General Product Family		Antennas	EU ELV Not Relevant			
Series Component Type Function Near Field Communica Overview Product Name Protocol Type UPC Physical Length Mounting Style Net Weight Packaging Type Thickness Width	ation	146236 FPC Coil Antenna Signal Yes Near Field Communication (NFC) Antennas NFC Antenna NFC Antenna 193264146413 15.00mm Adhesive 0.198/g PET Film 0.27mm 15.00mm	EU RoHS Compliant REACH SVHC Contained Per - D(2020)9139-DC (1) Jan 2021) 2-methyl-1-(4- methylthiophenyl)-2- morpholinoprop Halogen-Free Status Low-Halogen For more information China ROHS ELV PoHS Phthalates	China RoHS 9 n, please visit <u>Contact US</u> Green Image Not Relevant Not Contained		
Electrical Electrical Connectivity Frequency Inductance Material Info		Copper Flex 13.56 MHz 2.10 µH	Search Parts in t 146236 Series	his Series		
Reference - Drawing Application Specification Packaging Specification Product Specification Sales Drawing	Numbers on on	1462360001-AS 1462360001-PK 1462360001-PS 1462360001-000				

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The beacon products are capable of connection to mobile devices (via a proprietary mobile app) using Near Field Communication (NFC). This enables the user to view limited but useful information about their product.

NFC technology allows communication between two electronic devices over a distance of 4cm (1.5") or less.