

EU TYPE EXAMINATION CERTIFICATE

Issue Date: 8/26/2019

Applicant:

Shanwei Express Communication & Navigation Company Ltd.
Zhongyang Building, Pu Bian Industrial Zone, Hongcao Town
Shanwei City, Guangdong Province, China

Manufacturer:

Same as Applicant

Model Number/Name: KS-33NT
(Variant: KS-33NT_X)

Product Description: AIS Tracking Buoy

Serial Number: 33NT14101

Hardware version: HV1.0

Software version: SV1.0

Frequency Band(s):

161.975MHz / 162.025MHz for AIS function

1.57542GHz for GPS function

Transmit Power Range(s): Mode1:39dBm, Mode2:25dBm

Modulation Type(s):

VHF for AIS function

BPSK for GPS function

Channel Spacing(s): 25KHz

Duty Cycle: N/A

Microprocessor Model Number(s): STM32F103RBT6

Antenna Type(s) and Gain(s):

DIPOLE Antenna for AIS function

PIFA Antenna for GPS function

2.0dBi

HEADQUARTERS: 914 WEST PATAPSCO AVENUE • BALTIMORE, MARYLAND 21230 • PHONE (410) 354-3300 • FAX (410) 354-3313

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN62368-1:2014+A11:2017	Test Report	Pass
Art. 3.1 (a)	Health	EN 62311:2008	Test Report	Pass
Art. 3.1(b)	EMC	draft ETSI EN 301 489-1 V2.2.1(2019-03); ETSI EN 301 489-19 V2.1.1(2019-04)	Test Report	Pass
Art. 3.2	Radio	ETSI EN301 025 V2.2.1 (2017-03); ETSI EN 303 413V1.1.1(2017-06)	Test Report	Pass

Examination Result: Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.



Tom Zhang
Technical Reviewer
REDCA Program, Eurofins MET Labs

Project Number: 529-8-2019-104805

Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>		
Applied Standards		
EN 62311:2008		
Report or Certificate No.	Issue Date	Issued by
STS1906150H01	06/24/19	Shenzhen STS Test Services Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
EN62368-1:2014+A11:2017		
Report or Certificate No.	Issue Date	Issued by
STS1906150A01	07/09/19	Shenzhen STS Test Services Co., Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards	Version	
draft ETSI EN 301 489-1	V2.2.1(2019-03)	
ETSI EN 301 489-19	V2.1.1(2019-04)	
Report or Certificate No.	Issue Date	Issued by
STS1906150E01	07/17/19	Shenzhen STS Test Services Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards	Version	
ETSI EN301 025	V2.2.1 (2017-03)	
ETSI EN 303 413	V1.1.1(2017-06)	
Report or Certificate No.	Issue Date	Issued by
STS1906150W01	06/24/19	Shenzhen STS Test Services Co., Ltd.
STS1906150W02	08/06/19	Shenzhen STS Test Services Co., Ltd.