



Attestation to use Original Test Reports

To Whom It May Concern:

We, Alltek Marine Electronics Corp., located at 14F-2, No.237, Sec. 1, Datong Rd., Xizhi District, New Taipei City, Taiwan, R.O.C. as the manufacturer of the CAMINO-108:

CAMINO-108 (AIS Class B Transponder) with FCC ID: WZ7AIS-B108

We authorize Navico to re-use the test reports and exhibits of CAMINO-108 as used on C2PC of FCC ID: WZ7AIS-B108 (dated on Jun. 5, 2020) for Navico NAIS-500 filing of FCC ID: RAYNAIS500.

The original test reports as shown below still valid for the test results when GPS module is changed from u-blox AMY-6M to u-blox EVA-M8M because of no change at the entire RF circuit at AIS Main Board. According to GPS module change, the additional reports are shown at table B.

A. Original reports filed at FCC.

Item	Applicable Standards	Test By	Test Report No.
1. Safety			
1.1	IEC 60950-1, EN 60950-1, Safety	Dekra	SN1908014
1.2	EN 62311: 2008-01, Healthy	Quietek	1620048R-SACEP56V00 V2.0
2. EMC			
2.1	EN 301 843-1 & -2, V2.1.1 (2016-03) Conducted emission, Radiated emission, Conductedsusceptibility, Radiated susceptibility, EFT, Power supply failure, ESD, Power supply failure	Quietek	1620048R-RFCEP01V00-A
2.2	IEC 60945:2002, Conducted emission, Radiated emission, Conducted radio frequency disturbance, Radiated radio frequencies, EFT, Power supply failure, ESD, Electromagnetic radio frequency radiation	Quietek	135096R-ITCEP26V01 V2.0
2.3	EN 300 440 V2.1.0 (2016-05), Spurious radiation	Quietek	1620048R-RFCEP10V01
2.4	EN 301 489-1 V2.1.0 (2016-04) & -3 V2.1.0 (2016-09), Conducted emission, Radiated emission, ESD, Radiated susceptibility, EFT, Conducted susceptibility	Quietek	1620048R-RFCEP01V00
2.5	EN 301 489-1 V2.1.0 (2016-04) & -17 V3.1.0 (2016-04), Conducted emission, Radiated emission, ESD, Radiated susceptibility, EFT, Conducted susceptibility	Quietek	1620048R-RFCEP02V00 V2.0
3. Spectrum Usage			
3.1	IEC 62287-1: 2010-11 Clause 11, Annex C.4 TDMA transmitter and receivers, DSC receiver, extreme power supply	Phoenix Testlab	F130840E1
3.2	IEC 62287-1: 2017-04 Clause 11 TDMA transmitter and receivers, Conducted spurious emissions	Phoenix Testlab	F172634E1
3.3	IEC 62287-1: 2010-11 Clause 12, Annex C.3 Specific tests of link layer, DSC functionality tests	BSH	BSH/4542/001/4322516/13
3.4	EN 300 328: V2.1.0 (2016-09), Equivalent isotropic radiated power, peak power density, frequency range, spurious emission, medium access protocol	Quietek	1620048R-RFCEP24V00 V2.0

Alltek Marine Electronics Corp.

◆ 14F-2, No.237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City, Taiwan, 22161 ◆www.alltkemarine.com

Page 1 of 2



4. Additional Maritime Requirements			
4.1	IEC 62287-1: 2010-11 Clause 10, 12, 13, Annex C.3 Operational tests, specific tests of link layer, specific tests of network layer, DSC functionality tests	Phoenix Testlab	F130840E2
5. Environmental			
5.2	IEC 60945:2002, Vibration	SGS Taiwan	HC30037A_2013
5.3	IEC 60945:2002, Corrosion (salt mist)	IST	HS1303150050A-1
5.4	IEC 60945:2002, Compass Safe Distance	BSH	813/1
5.5	IEC 62287-1:2010-11, Undervoltage test (Brown out)	Quietek	SN1307032-A, Rev.2
5.6	IEC 62287-1:2006-03 Clause 9.2, Shock (GPS antenna)	SGS Taiwan	HCD0137A_2009
5.7	IEC 60529:2001-02 -- IPX6, rain and spray (GPS antenna)	SGS Taiwan	HCD0137A_2009
5.8	IEC 60945:2002 Dry heat, damp heat, low temperature, corrosion (GPS antenna, GA-22)	SGS Taiwan	HC20045_2017
5.9	IEC 60945:2002 Vibration (GPS antenna, GA-22)	SGS Taiwan	HHD0021A_2016
5.10	IEC 60529:2013 IP67 (GPS antenna, GA-22)	SGS Taiwan	HHD0021B_2016
5.11	IEC 60529 Rain and spray (GPS antenna, GA-22)	SGS Taiwan	HH40002A_2017
6. FCC 47 CFR Part 15			
6.1	FCC Part 15 Subpart C	CCSRF	T150918S02-RP1
6.2	FCC Part 1, Subpart I, Section 1.1310 FCC Part 2, Subpart J, Section 2.1091	Quietek	T150918S02-RP1-1
6.3	FCC Part 1, Subpart I, Section 1.1310	Quietek	135096R-SAUSP01V00
6.4	FCC Part 15B CAMINO-108W with u-blox EVA-M8M	Dekra	2040566R-E3012110001
6.5	FCC Part 15B CAMINO-108W with u-blox AMY-6M	Dekra	2040613R-E3012110001

B. Update test reports for GPS module changed from u-blox AMY-6M to u-blox EVA-M8M.

Item	Applicable Standards	Test By	Test Report No.
3. Spectrum Usage			
3.5	IEC 61108-1: 2003-07 Clauses 4.2 & 4.3, Built-in GPS receiver	BSH	BSH_4543_001_4143083_16
5. Environmental			
5.1	IEC 60945:2002, Dry heat, damp heat, low temperature	SGS Taiwan	HC50235A_2018
6. FCC 47 CFR Part 15 (Related to CAMINO-108)			
6.6	FCC Part 15B CAMINO-108 with u-blox EVA-M8M	Dekra	2040615R-E3012110001
6.7	FCC Part 15B CAMINO-108 with u-blox AMY-6M	Dekra	2040620R-E3012110001

Authorized Signature by

H.A. Chen

H.A. Chen / President

Dec. 8, 2020

Alltek Marine Electronics Corp.