

FCC Cross-Reference



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Version History

Version	Date	Comment	Author
1	6.11.2017		

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Introduction

This report provides a cross reference between the standard FCC part 15c and EN 300 328.

Product Family Identification

Products	WatchMate Vision, XB-8000
Trade Name	Vesper Marine Ltd
Model Name	XB9010, XB8010
Intended Users	General Public
Equipment type	Fixed (Not portable), Exposed to Weather
Power Supply	12 – 24V DC
AIS Frequency Range	161.500 – 162.025 MHz Tx 156.025 – 162.025 MHz Rx
AIS Transmit Power	33dBm (2W)
Modulation Technique	FM GMSK
Channel Spacing	25 KHz
Temperature Range	-25 - +55 deg C
GPS Antenna	Internal path antenna (with connection for optional external antenna)
WiFi	802.11 b/g/n
WiFi Antenna	SMT PCB
WiFi Power Output	15 dBm
Enclosure	IPX7
Firmware Version	V5.19
Equipment Category	Exposed

FCC ID: YJDVESPXB8010, YJDVESPXB9010

Model Number: XB9010, XB8010

EN 300 328	FCC Part 15 C
Transmission in the spurious domain EN 300 328 V2.2.1 4.3.2.9	Radiated Emission Limit FCC 47 CFR 15.249, FCC 47 CFR 15.209
Receiver Blocking EN 300 328 V2.2.1 4.3.2.11	N/A

Technical Justification:

The new Wi-Fi module has full modular certification for FCC. The testing done shows that there isn't any degradation in the performance of the module with the change in antenna.

The EN 300 328 4.3.2.9 test covers the FCC 47 CFR 15.249 and 15.209. The tests both look at the RF power over a similar frequency range and with comparable test set ups. As the tests are similar in these ways the EN 300 328 partial test report can be used to cover FCC 47 CFR 15.249 and FCC CFR 15.209.

Date: 11/72017

Name: Henry Chittock

Signature:

