

European Community Declaration of Conformity
Issued in accordance with the
Marine Equipment Directive (MED)

This to certify that in compliance with Council Directive 96/98/EC of 20 December 1996 on marine equipment, as amended by Commission Directives 2011/75/EU of the European Parliament and of the Council:

Kelvin Hughes Ltd
Voltage
Mollison Avenue
Enfield, EN3 7XQ
England

Declares that the products listed in Annex A conform to type as required by the above Directive as evidenced by the Conformity Route below:

EC Type Examination Module B certificate No BAPT-MED001081 issued by Notified Body TÜV SÜD BAPT (No 0168) expires 19th September 2015.

Plus

EC Module D Certificate of Conformity No MED 1100013 issued by Notified Body Lloyds Register (No 0038)

MED Annex A.1	Item No	4.37
	Item Designation	Radar equipment CAT 1H
MED Annex A.1	Item No	4.38c
	Item Designation	Radar equipment CAT 1HC with chart option
Kelvin Hughes Product Description		MantaDigital S & X Band CAT1H Marine Radar and CAT1HC Marine Chart Radar Systems
Standards Applicable		Resolution MSC.191(79), Resolution MSC.192(79), Resolution A694(17) IEC 62388:2007, IEC 60945:2002 IEC 62288:200 IEC 61162-1:2010 IEC 61162-2:1998 ITU Recommendation M.1177-3:2006

Annex A – Product List

Product Identity	Description
CAE-A30-21	10kW X Band Transceiver / Turning Mech (High Speed)
CAE-A30-23	25kW X Band Turning Mech (High Speed)
CTX-A8	25kW X Band Transceiver – Bulkhead Mounting
CTX-A9	Mk 7 30kW Transceiver– Bulkhead Mounting
FSD-A10	Dual DNC Unit
FSD-A13	Network Audio & Video Control Unit
FSD-A198	Serial Interface Module
GTX-A11	Manta Turning Mech
GTX-A16	Manta 30kW Transceiver / Turing Mech
GTX-A24	Drive Control Unit
IT-SM-8x-AV-LCD	NTI Audio & Video Switch Matrix (x channel)
LPA-A1	3.9m S Band Low Profile Antenna
LPA-A13	1.3m X Band Low Profile Antenna
LPA-A19	1.9m X Band Low Profile Antenna
LPA-A25	2.5m X Band Low Profile Antenna
LPA-A3	3.9m S Band Low Profile Antenna
MDD-A100	MantaDigital Trackerball & Pencil Tray
MDD-A101	MantaDigital Trackerball & Keyboard
MDD-A102	MantaDigital Trackerball & Control Panel
MDD-A110	MantaDigital Trackerball
MDD-A12	MantaDigital Radar Interswitch Unit
MDD-A1-26	MantaDigital 26" Pedestal Display and Radar Processor
MDD-A130	MantaDigital Remote Keyboard
MDD-A12	MantaDigital Radar Interswitch Unit
MDD-A20-26	MantaDigital 26" Console Display
MDD-A30-26	MantaDigital 26" Desktop Display (incorporating MDD-A101)
MDD-A9-26	MantaDigital 26" Pedestal Display and Radar Processor inc Trackerball
MDP-A1	MantaDigital Navigation Processor
MDP-A9	MantaDigital Radar Processor
NNR-A18	Ergonomic Trackerball (Ergopod right handed)
NNR-A18-2	Ergonomic Trackerball (Ergopod left handed)
NNR-A66	Transmitter Interface Unit
ZM-2007	Manta Display firmware
ZM-2008	Manta Systems Interface firmware
ZM-2114	Manta Transmitter Interface firmware
ZM-2144	MantaDigital core software
ZM-2160	Manta Transmitter Interface FPGA

Issued for and on behalf of Kelvin Hughes Ltd.

Signed:  on 07-11-2012

N. Richards
Quality Manager