



Navtech Radar Ltd
Unit 16 Home Farm
Ardington
Wantage
Oxfordshire, UK
OX12 8PD

DECLARATION OF SIMILARITY

Tel: +44(0)1235 832419
info@navtechradar.com
www.navtechradar.com

Date: 26th April 2018

Element Materials Technology
Unit E
South Orbital Trading Park
Hedon Road
Hull
HU9 1NJ
UK

RE: Declaration of Similarity
FCC ID: S7Y-BV2

To Whom It May Concern:

Please be advised that Navtech Radar Market a number of product variant based on the HDR200 Series.
At time of writing these are:

HDR251, HDR252, HDR281, HDR282, HDR291, HDR292, SMR200
HDR251-X, HDR252-X, HDR281-X, HDR282-X, HDR291-X, HDR292-X

All models listed are electronically identical, with all RF measurements and test results are exactly the same. The difference between the HDR and SMR variants in the internal and external data processing and the format/application the information is presented including different tracking algorithms.

The HDR Model numbers are made up based on the following format: HDRxyz-X and is defined as follows:

- x: This digit defines the radar series/size, which is determined by the physical size of the internal antenna system. For the S7Y-BV2 application this digit will always be 2.
- y: This is an instrumented range designator. The transmitted power is identical, but the range data reported by the radar is altered in software based on the unit purchased.
- z: This represents rotation speed of the radar, i.e. 2 designates 2Hz (or 120rpm).
- -X: This defines the antenna type fitted to the unit. A unit with a -X a 1°x25° antenna to spread the beam in elevation and a unit without the -X has a 1°x4°.

Thank you for your attention to this matter.

Yours faithfully
Navtech Radar Ltd

A handwritten signature in black ink, appearing to read "R. Poulton".

Mr Richard Poulton