ISO 8729-2:2009-06 (E)

Ships and marine technology - Marine radar reflectors - Part 2: Active type

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Construction 3
4.1 General arrangement 3
4.2 Structure and materials 4
4.3 Enclosed size of the reflector 4
4.4 Mass of the reflector 4

5 Performance 4
5.1 Functionality 4
5.2 Reflecting pattern 4
5.3 Time delay and stretching 5
5.4 Polarisation 5
5.5 Stability and self-oscillation 5
5.6 Maximum power 6
5.7 Tolerance to a radar in close proximity 6

6 Environmental requirements 6

7 Inspection and type tests 6
7.1 Inspection 6
7.2 Testing 6
7.3 Performance tests 6
7.4 Environmental tests 12
7.5 Mechanical strength test 13
7.6 Electromagnetic emission tests 13
7.7 Electromagnetic immunity tests 13
7.8 Spurious emissions tests 13

8 Installation 13
8.1 Method 13
8.2 Positioning 13
8.3 Mounting height 14
8.4 Mass 14
8.5 Size 14

9 Manual 14

10 Marking 15

Annex A (normative) Guidance notes for the installation of active radar reflectors 16

Annex B (normative) Test method for unwanted emissions of active radar reflectors 18

Bibliography 23