

Report to exercise no 3

SUBJECT: Radar image distortion and interference

Laboratory Group Number:

Date of the exercise :

Date of submitting the report:

Name and surname:

Teachers signature:

Final evaluation:

<i>RADAR</i>	<i>TASK TO BE PERFORMED</i>	<i>ANSWER</i>
NUCLEUS 5000	Graphically show the changes of the radar image for the settings CORR 0, CORR 1, CORR 2. Explain how to select the appropriate CORR setting.	
GEM LD 1804/R6	Working on the 2 km range, describe the impact of the change of the sounding pulse on the appearance of Grodzka Island echo.	

SIMRAD 83/93	Graphically show the appearance of radar image noise when the IR system is off, and for settings 2 and 4.	
KODEN MDC 1860	Range 1,5 Mm. Describe the influence of various A/C Sea settings on the Grodzka Island echo.	
FURUNO FAR 2815	Range 3 Mm. Present in graphic form angular dimensions of the radar blind sectors.	
FURUNO FR 2115	Explain what the 'echo stretch' function is used for. In which conditions you would avoid using it?	

SIMRAD R3016	Where on the radar screen (apart from the MENU tab) you can observe the setting of the interference reject function? List the possible setting levels.	
KODEN MDC- 7906	How many levels are provided by the 'Expansion' function.	
<p>Questions:</p> <p>1) Describe and draw how the listed below echoes are generated:</p> <ul style="list-style-type: none"> • indirect echo: own (as a result of reflection from own vessel's elements) • external (as result of reflection from external object). <p>2) Describe and draw how multiple echoes occur.</p>		

Answers: