

Report to exercise no 1

SUBJECT: Influence of radar adjustment on the radar image.

Laboratory Group Number:

Date of the exercise :

Date of submitting the report:

Name and surname:

Teachers signature:

Final evaluation:

RADAR	TASK TO BE PERFORMED	ANSWER
NUCLEUS 5000	Describe the tuning method.	
GEM LD 1804/R6	How the following functions are presented: 1. A/C Rain 2. A/C Sea 3. Switch from standby mode to operation mode.	1. 2. 3.

SIMRAD 83/93	<p>Radar settings:</p> <ul style="list-style-type: none"> - Range: 6 Mm - Fixed range markers switched on <p>1. State the maximum distance from the center to the edge of the radar image.</p> <p>2. What is the maximum distance to the north edge of the radar image when the image is decentralized to the south?</p>	<p>1.</p> <p>2.</p>
KODEN MDC 1860	<p>1. How is the function of changing the pulse length presented ?</p> <p>2. Note possible settings of pulse lengths at 6 Mm range.</p>	<p>1.</p> <p>2.</p>
FURUNO FAR 2815	When changing the radar range, specify the maximum operating range of the A/C Sea.	
FURUNO FR 2115	Describe the general principle of setting the interference rejection and note the possible levels of this setting.	

SIMRAD R3016	Describe how to switch the radar from standby mode to operation mode.	
KODEN MDC- 7906	At which VID setting, 0.5 Nm range, will you achieve the best image of Grodzka Island?	

Questions:

1. Describe the basic and additional radar regulation.
2. IR and its influence on radar image.
3. Explain the purpose of radar image decentralization.

Answers: