

Report to exercise no 2

SUBJECT: Technical and operational parameters of the radar

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	24 Nm range. Determine the position of the echo located furthest by the use of EBL and VRM.	
GEM LD 1804/R6	Which function will you use to eliminate non-synchronous interference? Enter the number of available function levels.	
SIMRAD 83/93	1. 3 Nm range. Using EBL, read the bearing for object 14 and 10. 2. Specify and explain what bearings are measured with EBL.	1. 2.

[illegible]

Questions:

1. Describe the effect of the pulse length on detection at short and long distances.
2. Limitations of the radar detection in vertical plane.
3. Limitations of the radar detection in horizontal plane.

Answers: