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:				

RADAR	TASK TO BE PERFORMED	ANSWER
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	3 Nm range. Using EBL, read the bearing for object 14 and 10.	1.
	2. Specify and explain what bearings are measured with EBL.	2.

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KODEN MDC 1860	24 Nm range.	1.
	Using EBL and VRM	
	determine the furthest	2.
	objects in sectors:	
	1. 000° -090°	3.
	2. 090° -180°	
	3. 180° -270°	4.
	4. 270° -000°	
	276 000	
FURUNO FAR 2115	Range 0,75Nm. Describe	
	the influence of the A/C Rain	
	on the appearance of	
	Grodzka Island.	
	Grouzka isiariu.	
FURUNO FR 2815	Range 0,75Nm. Describe	
	the influence of the A/C Sea	
	on the appearance of	
	Grodzka Island.	
	Grouzka isiariu.	
SIMRAD R3016	48 Nm range.	
	Determine the maximum	
	operating range of A/C Sea	
	using VRM.	
	using vitivi.	
KODEN MDC- 7906	Range 0,5 Mm.	1.
	Describe (or graphically	
	present) the effects of the	
	following setting:	
	1. A/C Sea	
	1	
	2. A/C Rain	
	on the picture of Grodzka	
	Island echo.	
		2.

## 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: