

Exercises with Coax Cables

wednesday, 9 feb 2005

Group's Number: ____ (see the number on the tool box)

Group's Name: _____

Coordinator: _____

Members:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____
- 11) _____
- 12) _____

1. Determine the following information for all cables (1 to 16):

external diameter

type of cable

full description of connectors (type, gender, threading)

nominal impedance (from the type)

2. Measure the following characteristics for cables number 2, 3, 7, 9 and 13:

total cable loss

length

attenuation per length unit

3. Measure the following characteristics for cables number 1, 4, 8 and 12:

characteristic impedance

velocity factor

Results

1. Results of first exercise

number	diameter	type of cable	connector 1	connector 2	impedance
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					

Notes on measurements:

Results

Results

2. Results of second exercise

number	total loss	length	attenuation per length unit
02			
03			
07			
09			
13			

Notes on measurements:

Results

3. Results of third exercise

number	impedance	velocity factor
01		
04		
08		
12		

Notes on measurements:

Results

Description of the equipment used for the measurements, of the calibration procedures, of the problems that have been encountered, etc.

Date and signatures:
