

D) The bandwidth of the rectangular signal B= for $\frac{\tau}{T} = 0,5$
 B= for $\frac{\tau}{T} = 0,25$

E) Triangular signal $f_0 = 200\text{kHz}$

k	1	2	3	4	5	6	7	8	9	10	11	12
f_k [MHz]												
$\frac{A_k}{A_1} \Big _{\text{theoretical}}$												
$\frac{A_k}{A_1} \Big _{\text{theoretical}}$ [dB]												
$\frac{A_k}{A_1} \Big _{\text{exper.}}$ [dB]												
$\frac{A_k}{A_1} \Big _{\text{exper.}}$												

B=

F) Harmonic signal $f_0 = 200\text{kHz}$

$n_1 = 0$ [dBm]
 $\delta =$

k	1	2	3	4	5	6	7	8	9	10
f_k [MHz]										
n_k [dB]										

$n_1 = 15$ [dBm]
 $\delta =$

k	1	2	3	4	5	6	7	8	9	10
f_k [MHz]										
n_k [dB]										

G) Triangular signal $f_0 = 10\text{kHz}$ (oscilloscope)

k	1	2	3	4	5	6	7	8	9	10	11	12
f_k [kHz]												
$\frac{A_k}{A_1} \Big _{\text{teoretic}}$												
$\frac{A_k}{A_1} \Big _{\text{teoretic}}$ [dB]												
$\frac{A_k}{A_1} \Big _{\text{exper.}}$ [dB]												
$\frac{A_k}{A_1} \Big _{\text{exper.}}$												

I) The spectra of theoretical and experimental amplitudes for the rectangular and triangular signals on millimetre paper

J) The power of the rectangular signal

pt. $\frac{\tau}{T} = 0,5$ $E_{01} =$ $E_{02} =$ $P_t =$ $P_e =$ $P_1 =$ $\frac{P_e}{P_t} =$ $\frac{P_1}{P_t} =$
 pt. $\frac{\tau}{T} = 0,25$ $E_{01} =$ $E_{02} =$ $P_t =$ $P_e =$ $P_1 =$ $\frac{P_e}{P_t} =$ $\frac{P_1}{P_t} =$

K) The power of the triangular signal

$E =$ $P_t =$ $P_e =$ $P_1 =$ $\frac{P_e}{P_t} =$ $\frac{P_1}{P_t} =$